REPORT

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Quarterly Ground Water Sampling Event Winter 2001

Sullivan's Ledge Superfund Site
New Bedford, Massachusetts

March 2002

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 2001 round of ground water monitoring was conducted at Operable Unit 1 of the Sullivan's Ledge Superfund Site from December 3, 2001 to December 7, 2001. Assisting O'Brien & Gere Engineers, Inc. (O'Brien & Gere) with this program were Mabbett & Associates, Inc. (M&A) and Alpha Analytical Labs (Alpha). M&A provided field sampling services and related consultation while Alpha provided analytical services. Sampling was conducted in accordance with the Final Field Sampling Plan (FSP) submitted to Metcalf & Eddy (M&E) in January 2000, as amended by M&A letters dated March 14 and March 16, 2001 and a USEPA letter dated June 22, 2001. The M&A letters and the USEPA letter are included in Appendix A.

1.2. Deviations from field sampling plan (FSP)

The following deviations from the FSP were made during the Winter 2001 sampling event:

- Based on an O'Brien & Gere request dated May 18, 2001, ground water samples were not analyzed for semi-volatile organic compounds (SVOCs), as confirmed in a USEPA letter to O'Brien & Gere dated June 22, 2001 and a conversation on August 22, 2001. The referenced letters are included in Appendix A. Ground water samples were analyzed for volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and TAL metals.

- Monitoring well MW-12 was not sampled due to the relatively high location of the bladder pump in the well. The well is apparently not plumb, and it has not been possible to either push the bladder pump deeper into the well or to remove it.

- During the Winter 2001 sampling event, the sampling ports in Westbay monitoring well ECJ-3 located at 248 and 283 feet below the top of casing were not sampled due to the presence of a coil of rope observed at 160 feet below the top of casing. Further

information concerning the status of the lower ports of ECJ-3 was presented in a letter from the PMC to USEPA dated November 1, 2001, which is included in Appendix A.

- Monitoring wells MW-10AR and MW-17 were sampled with precleaned disposable bailers. Although the riser on MW-10AR was replaced during construction, attempts to re-install a low-flow pump have been unsuccessful due to an apparent obstruction. Likewise, due to the periodic presence of oil in MW-17, and the use of absorbent socks during the Summer of 2000, a low-flow pump has not been re-installed in MW-17. Prior to sample collection, three well volumes of ground water were bailed from each of these wells.

- Monitoring wells MW-22A and MW-12AR were dry during the sampling period and were not sampled.

- Low-flow sampling wells exhibiting turbidity levels above the desired 5 NTU were purged for approximately 60 minutes, generally allowing stabilization of all other indicator field parameters, prior to the collection of samples. Past experience with these wells indicated that longer purge times would not reduce the turbidity to 5 NTU. This applied to six of eighteen low-flow wells sampled (MW-2, MW-8, MW-8A, MW-10, MW-10B, and MW-24).

- Consistent with previous sampling events, the quantity of water sampled from each Westbay well sampling port was decreased by one liter to streamline the sampling process. One liter of ground water was submitted to the laboratory for PCB analysis.

- In addition to collecting samples from monitoring wells, ground water samples were also collected from the shallow collection trench and six bedrock recovery wells from ports within the ground water treatment plant. Samples were analyzed for VOCs, PCBs, SVOCs, pesticides, and TAL metals.

2. Summary of field activities

2.1. Well locations

The location 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. Quantitative well integrity testing

In accordance with Section 2.3 of the FSP, M&A conducted a series of qualitative well integrity tests in February and March 2001. The purpose of the qualitative well integrity testing was to identify monitoring wells which would require repair prior to monitoring. A letter by M&A dated March 19, 2001 documented the results of the initial well integrity inspections and was included in the Spring 2001 Ground Water Monitoring Report. During the Winter 2001 round, M&A observed individual wells prior to sample collection, and noted no changes since the Spring 2001 ground water sampling event, with the exception that mice had chewed some of the low flow tubing associated with MW-8A. M&A repaired the tubing and proceeded with the sampling.

2.3. Water levels

Water levels were collected on December 4, 2001. A letter by M&A dated December 7, 2001 reporting the measured depths to ground water is included in Appendix B. Ground water contour maps are included as Figures 5 through 8.

2.4. Conventional ground water monitoring wells

Following completion of the qualitative well integrity testing, a total of eighteen conventional ground water monitoring wells were identified, characterized, and sampled in accordance with the FSP and the QAPP through the use of an EPA-approved low-flow bladder pump system dedicated to each well. Additionally, two wells (MW-10AR, MW-17) were sampled using bailers as described in Section 1.2.

Prior to sampling, purged ground water was characterized and tested in a flow-through cell on-site for the parameters described in Section 2.5 of the FSP. Equipment used to perform the characterization was calibrated and used in accordance with the standards and protocols provided in Section 3.6 of the QAPP.

Following characterization, sampling of the conventional wells was completed using procedures described in Section 2.6 of the FSP. Sampling logs are provided in Appendix C of this report.

Samples were packed on ice and sent to Alpha Analytical Labs under a chain-of-custody (COC) for VOCs, PCBs, and TAL metals analyses by methods described in Section 2.1 of the FSP, as amended by the M&A letter dated March 14, 2001 and the USEPA letter dated June 22, 2001, included in Appendix A. Trip 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, including three duplicate samples, one matrix spike (MS) sample, and one matrix spike duplicate (MSD) sample. Duplicate sample #1 was collected on December 3, 2001 from MW-14. Duplicate sample #3 was collected on December 5, 2001 from MW-6A. Duplicate sample #5 was collected on December 6, 2001 from MW-10B. MS/MSD samples were collected from MW-13.

2.5. Westbay monitoring wells

Four Westbay bedrock wells (ECJ-1, ECJ-2, ECJ-3 and ECJ-4) were sampled during the Winter 2001 ground water sampling event. Westbay field sampling logs are provided in Appendix D.

Consistent with Section 2.6 of the FSP, ground water from the Westbay ports was directly sampled without prior characterization. Samples collected from the Westbay bedrock wells were packed on ice and shipped under a COC to Alpha Analytical Labs for VOCs, PCBs, and TAL metals analyses in accordance with the procedures outlined in Section 2.1 of the FSP, as amended by the M&A letter dated March 14, 2001 and the USEPA letter dated June 22, 2001, included in Appendix A. Trip blanks were shipped with coolers submitted to the laboratory in accordance with Section 3.5 of the QAPP.

QA/QC samples from the Westbay sampling were also collected, including two duplicate samples and one MS/MSD sample. Duplicate sample #2 was collected from ECJ-2 (47') and duplicate sample #4 was collected from ECJ-4 (87'). The MS/MSD samples were collected from ECJ-2 (82'). An equipment blank was collected on December 5, 2001.

2.6. Ground water recovery samples

Samples were collected on December 6 and 7, 2001, from the shallow collection trench and six bedrock recovery wells using the installed taps in the ground water treatment plant. Sample duplicate #6 was collected at BEI-3. Samples were packed on ice and shipped under a COC to

Alpha Analytical Labs for VOC, PCB, SVOC and TAL metal analyses. In addition, on December 14, 2001, samples were collected from the taps serving the shallow collection trench and BEI-1, BEI-2, BEI-3, OBG-2, and OBG-3 and submitted for pesticide analysis. OBG-1 was not pumping at the time of the sampling.

2.7. Validated results

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

2.8. Qualitative comparison to historical data

Tables 1 through 3 present the range of detected constituents in the ground water monitoring wells for VOCs, PCBs, and TAL metals, respectively. A review of the tables suggests the following:

- Consistent with previous investigations, the following VOC constituents were detected most frequently: trichloroethene, 1,2 dichloroethene, vinyl chloride, chlorobenzene, benzene, toluene, ethylbenzene and xylene.

- Consistent with previous investigations, PCBs were detected infrequently during the Winter 2001 sampling event.

- The following metals were not detected in any of the 41 ground water samples: antimony, beryllium, cadmium, cobalt, mercury, nickel, selenium, silver, and thallium. The following metals were detected in fewer than 10% of the samples: arsenic, chromium, copper, lead, vanadium, and zinc. Only aluminum, barium, calcium, iron, magnesium, manganese, potassium, and sodium were detected in more than 10% of the samples.

Tables 4 through 7 present the range of detected constituents at the shallow collection trench and the six bedrock recovery wells. A review of the tables suggests the following:

- Consistent with previous investigations, constituents with the highest concentrations continue to be trichloroethene, 1,2-dichloroethene, vinyl chloride, benzene, toluene, and ethyl benzene.

- PCBs were detected in OBG-1 at 512 ug/l. The average concentration in the other bedrock recovery wells was 3.1 ug/l. As discussed below, the results at OBG-1 were higher than typical for that well.

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

- Only three SVOC compounds were detected in the seven recovery points, and in low concentrations relative to VOCs.

Tables 8 and 9 present historical VOC and PCB ground water data from certain wells which span the remedial investigations, pre-design investigations, design investigations, and post-construction investigations. Review of these tables suggests that the concentrations of constituents in the identified wells for the Winter 2001 sampling event were generally similar to concentrations observed during the four previous sampling events.

Table 10 presents ground water recovery point data collected during the Winter 2001 event. Although the results are generally consistent with previous rounds conducted on December 15, 1999, January 27, 2000, June 29, 2000, March 21, 2001, and September 24, 2001, some observations are as follows:

- The concentrations of PCBs in the shallow collection trench and recovery wells has been relatively consistent over time, with the exception of OBG-1, where concentrations appear to be increasing over time. For the Winter 2001 event, the most likely cause for the elevated detection of PCBs in OBG-1, compared to historical results, is particulate matter in the sample.

- For BTEX constituents, results appear to be consistent over time for the shallow collection trench and the bedrock recovery wells, with the exception of an overall increase in concentration in OBG-1 and BEI-1, and an overall decline in BEI-2.

- The concentrations of chlorinated constituents appear to be consistent over time.

- The concentrations of metals in the shallow collection trench and the six bedrock recovery wells have been consistent over time, with the possible exception of a slight increase in iron concentration in some of the bedrock recovery wells (i.e., OBG-1, OBG-3, BEI-3). It should be noted, however, that the concentration of iron observed in the bedrock recovery wells

remains below the concentration observed in the shallow collection trench, the largest source of water to the ground water treatment plant.

A summary of ground water monitoring data for VOCs and PCBs from the Winter 2001 sampling event is presented on Table 11. For comparative purposes, the results from the Winter 1999, Spring 2001, Summer 2001, and Fall 2001 sampling events are also presented. Although the results of the five sampling events are generally consistent, some observations of the data are as follows:

- In the Set A wells, the concentrations of total VOCs detected in 2001 appear consistent over time, but in most instances are lower than the concentrations detected during the Winter 1999 sampling event.

- In the Set B wells, the concentrations of total VOCs in the wells in the south west corner of the Disposal Area (ECJ-3 and MW-16) have been consistently non-detect or close to non-detect. With respect to the four wells nearest to the southern boundary of the site, the concentrations observed in wells MW-2 and MW-14 appear to be declining over time, the concentrations in MW-24 appear consistent over time, and the concentrations in MW-15 could be rising over time. It should be noted, however, that the absolute concentration of total VOCs in this well is relatively low, ranging from 15 to 193 ug/l.

- In the Set C wells, the concentrations of total VOCs detected during the five sampling events tended to be consistent, with the possible exception of ECJ-2 (152), which may be increasing over time.

- In the Set D wells, the concentrations of total VOCs have been consistently non-detect or close to non-detect.

- During Winter 2001, PCBs were detected in only 8 of 16 on-site wells, and 0 of 22 off-site wells.

3. Summary, conclusions, and recommendations

3.1. Summary

A total of twenty conventional wells and twenty-one ports from four Westbay wells were sampled during the Winter 2001 ground water sampling event. Analysis was conducted for VOCs (41 samples), PCBs (38 samples), and TAL metals (41 samples). Samples were also collected from the shallow collection trench and bedrock recovery wells using sample taps in the ground water treatment plant. Analysis was conducted for VOCs (7 samples), PCBs (7 samples), pesticides (6 samples) and TAL metals (7 samples). Analytical results were validated and downloaded into a Microsoft FoxPro relational database management system to facilitate future data management and trend analysis.

3.2 Conclusions

Some conclusions which can be drawn based on the Winter 2001 data are as follows:

VOCs

The number of specific VOC constituents present appears to be limited. A review of Table 1 indicates that only seven constituents were detected in more than 10% of the monitoring well samples: trichloroethene, 1,2-dichloroethene, vinyl chloride, chlorobenzene, benzene, toluene, and ethyl benzene.

As discussed in the Spring 2001 Ground Water Sampling Report, VOCs continue to be a broad indication of ground water contamination, and based on mobility, continue to be a good indicator of potential changes in off-site migration patterns. A review of Table 11 confirms that at no well during either sampling event were PCBs detected without the co-detection of VOCs.

The concentrations of VOCs detected in the shallow collection trench and the bedrock recovery wells have been relatively consistent over the past five sampling events, with the exception of an overall increase in concentration in OBG-1 and BEI-1, and an overall decline in BEI-2.

PCBs

A review of Table 2 confirms that PCBs continue to be detected infrequently and in low concentrations. As indicated in Section 2, PCBs were detected in only 5 of 16 on-site wells, and 0 of 22 off-site wells.

The concentrations of PCBs detected in the shallow collection trench and the bedrock recovery wells have been relatively consistent over the past five sampling events, with the exception of an overall increase in concentration in OBG-1.

SVOCs

Only three SVOCs compounds were detected in the shallow collection trench and six bedrock recovery wells. The concentrations of SVOCs were also low relative to detected VOCs.

Pesticides

Pesticides were not detected in the shallow collection trench or the five bedrock recovery wells which were sampled.

Metals

A comprehensive list of TAL metals were analyzed in Winter 2001, and only 8 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, and sodium.

The concentrations of metals in the shallow collection trench and the six bedrock recovery wells have been consistent over time, with the possible exception of a slight increase in iron concentration in some of the bedrock recovery wells (i.e., OBG-1, OBG-3, BEI-3).

3.3 Recommendations

The Winter 2001 data support the recommendation made in the Spring 2001 Ground water Sampling Report that the results of future monitoring events continue to be evaluated with the intent of identifying potential trends in the data and of focusing the scope of future monitoring events. Specific recommendations for the 2002 ground water sampling program were provided to EPA in a letter dated February 11, 2001, which is provided in Appendix G.

The results of the ground water sampling conducted in 2001 also support a modification to the ground water treatment plant effluent sampling program. Specific recommendations for the effluent sampling program were provided to the City of New Bedford in a letter dated February 5, 2001. In a letter dated February 26, 2002 the City approved the recommended modification to the sampling program. Copies of the correspondence are provided in Appendix H.

Table 1
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Winter 2001 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	41	1	2.5U	13
1,4-Dichlorobenzene	41	2	2.5U	13
4-Methyl-2-pentanone	41	1	5U	820
Benzene	41	11	0.5U	5200
Chlorobenzene	41	16	0.5U	200
Chloroform	41	2	0.75U	1.2
Ethylbenzene	41	10	0.5U	1400
Isopropylbenzene	41	2	0.5U	17
Methyl tert butyl ether	41	1	1U	3.6
Naphthalene	41	1	2.5U	5.6
Styrene	41	1	0.5U	1.0
Toluene	41	6	0.75U	1400
Trichloroethene	41	10	0.5U	3200
Vinyl chloride	41	23	1U	24000
cis-1,2-Dichloroethene	41	26	0.5U	31000
n-Butylbenzene	41	2	0.5U	3.4
n-Propylbenzene	41	2	0.5U	2.6
0-Xylene	41	1	0.5U	1.1
m,p-Xylenes	41	3	0.5U	120
sec-Butlybenzene	41	1	0.5U	1.1

Notes:
1. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 2
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Winter 2001 Monitoring Event
PCBs[1,2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aroclor 1242/1016	38	5	0.459 U	26 J

Notes:

1. A total of 6 PCB compounds analyzed using method 8082B. Only detected compounds shown.
2. Table does not include results for ECJ 1-37, ECJ 1-122, or ECJ 1-148, which were not validated at time of table preparation.

Table 3
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Winter 2001 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (mg/L)	
			Low	High
Aluminum	41	10	0.1U	31
Antimony	41	0	0.05U	0.05U
Arsenic	41	1	0.005U	0.018
Barium	41	35	0.01U	1
Beryllium	41	0	0.005U	0.005U
Cadmium	41	0	0.005U	0.005U
Calcium	41	41	23	130
Chromium (total)	41	4	0.01U	0.04
Cobalt	41	0	0.02U	0.02U
Copper	41	1	0.01U	0.11
Iron	41	36	0.1U	110
Lead	41	1	0.005U	0.503
Magnesium	41	41	4	55
Manganese	41	38	0.01U	10
Mercury	41	0	0.0005U	0.0005U
Molybdenum	0			
Nickel	41	0	0.025U	0.025U
Potassium	41	38	1.0U	11
Selenium	41	0	0.005U	0.01U
Silver	41	0	0.007U	0.007U
Sodium	41	41	14	190
Thallium	41	0	0.005U	0.005U
Vanadium	41	1	0.01U	0.14
Zinc	41	4	0.05U	0.43

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

Table 4
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Volatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,1-Dichloroethane	7	1	75U	0.95
Benzene 1,2,4-trimethyl	7	1	250U	7.5
1,3-Dichlorobenzene	7	1	250U	3.5
1,4-Dichlorobenzene	7	1	250U	12
Benzene	7	4	100U	420
Chlorobenzene	7	3	50U	230
Ethylbenzene	7	5	50 U	1400
Isopropylbenzene	7	1	50U	13
Naphthalene	7	1	250 U	32
Toluene	7	4	75U	1600
Trichloroethene	7	6	50U	20000
Vinyl chloride	7	5	1U	2000
cis-1,2-Dichloroethene	7	7	3.8	26000
n-Butylbenzene	7	1	50U	0.8
n-Propylbenzene	7	1	50U	1.8
o-Xylene	7	1	50U	3.1
p-Isopropyltoluene	7	1	50U	0.74
m,p-Xylenes	7	1	50U	8.5
sec-Butylbenzene	7	1	50U	0.53

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 5
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
PCBs[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aroclor 1242/1016	7	5	0.454U	104.0
Aroclor 1254	7	1	0.454U	408.0

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 6 PCB compounds analyzed using method 8082B. Only detected compounds shown.

Table 6
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Metals[2]

Constituent	Number of Samples	Number of Detects	Range (mg/L)	
			Low	High
Aluminum	7	1	0.1U	0.13
Antimony	7	0	0.05U	0.05U
Arsenic	7	0	0.005U	0.005U
Barium	7	7	0.09	1.8
Beryllium	7	0	0.005U	0.005U
Cadmium	7	0	0.005U	0.005U
Calcium	7	7	62.0	120.0
Chromium (total)	7	0	0.01U	0.01U
Cobalt	7	0	0.02U	0.02U
Copper	7	0	0.01U	0.01U
Iron	7	6	2.4	90.0
Lead	7	0	0.005U	0.005U
Magnesium	7	7	11.0	25.0
Manganese	7	7	2.0	11.0
Mercury	7	0	0.0005U	0.0005U
Molybdenum	7	0	0.05U	0.05U
Nickel	7	0	0.025U	0.025U
Potassium	7	7	3.8	11.0
Selenium	7	0	0.005U	0.005U
Silver	7	0	0.007U	0.007U
Sodium	7	7	26.0	81.0
Thallium	7	0	0.005U	0.005U
Vanadium	7	0	0.01U	0.01U
Zinc	7	1	0.05U	0.05

Notes:
1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 24 metal compounds analyzed using method 6010B/7470A. All analysis shown.

Table 7
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Semivolatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,2,4-Trichlorobenzene	7	2	10U	82
1-Chloronaphthalene	7	1	10U	5.3
Naphthalene	7	4	5U	110

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 99 semivolatile organic compounds analyzed for using method 8270C. Only detected compounds shown.

TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER DEPTH COMPOUND	MW-22A 5 FEB 86	MW-22A 18 MAR 86	MW-22A 24 FEB 88	MW-22A 23 AUG 92	MW-22A 2 DEC 92	MW-22A 11 FEB 93	MW-22A 28 APR 93	MW-22A 21 MAR 95	MW-22A 17 NOV 99	MW-22A 27 MAR 01	MW-22A 18 JUNE 01	MW-22A 27 SEPT 01	MW-22A DEC 01
1,1,1-Trichloroethane	U	U	U	25 U	25 U	50 U	50 U	10 J	12 U	5.0 U	2.5 U	2.5 U	NS
1,1,2,2-Tetrachloroethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
1,1,2-Trichloroethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	7.5 U	3.8 U	3.8 U	NS
1,1-Dichloroethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	7.5 U	3.8 U	3.8 U	NS
1,1-Dichloroethene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	7.5 U	2.5 U	2.5 U	NS
1,2-Dichloroethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
1,2-Dichloroethene (total)	2300	1200	84	16 J	25 U	50 U	3 J	50 U	24 U	5.2	3.8 U	3.8 U	NS
1,2-Dichloropropane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	18 U	8.8 U	8.8 U	NS
2-Butanone	U	U	U	25 U	25 U	50 U	50 U	50 U	250 U	50 U	25 UJ	25 U	NS
2-Hexanone	U	U	U	25 U	25 U	50 U	50 U	50 U	120 U	50 U	25 UJ	25 U	NS
4-Methyl-2-Pentanone	U	U	U	25 U	25 U	50 U	50 U	50 U	120 U	50 U	25 U	25 U	NS
Acetone	U	U	U	25 UJ	25 U	50 U	50 U	50 U	250 U	130	25 UJ	25 UJ	NS
Benzene	120	160	87	190	160	200	230	200	670	120	26	190	NS
Bromodichloromethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Bromoform	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Bromomethane	U	U	U	25 U	25 U	50 U	50 U	50 U	25 U	10 UJ	5 U	5 U	NS
Carbon Disulfide	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	50 U	25 U	25 U	NS
Carbon Tetrachloride	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Chlorobenzene	140	230	340	460	390	430	410	730	42	140	5.1	12	NS
Chloroethane	U	U	U	25 U	25 U	50 U	50 U	50 U	25 U	10 UJ	5 U	5 U	NS
Chloroform	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	7.5 U	3.8 U	3.8 U	NS
Chloromethane	U	U	U	25 U	25 U	50 U	50 U	50 U	25 UJ	50 U	12 U	12 U	NS
cis-1,3-Dichloropropene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Dibromochloromethane	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Ethylbezene	3600	3500	3200	310	330	300	140	59	190	11	2.9	23	NS
Methylene Chloride	81 J	U	U	5 J	25 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	NS
Styrene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Tetrachloroethene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Toluene	93 J	42 J	8	25 U	4 J	50 U	50 U	50 U	240	98	7.3	33	NS
trans-1,3-Dichloropropene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	3.8 U	NS
Trichloroethene	U	U	U	25 U	25 U	50 U	50 U	50 U	12 U	5.0 U	2.5 U	2.5 U	NS
Vinyl Chloride	1800	360	190	23 J	14 J	50 U	50 U	50 U	25 U	10 UJ	5 U	5 U	NS
Xylene (total)	U	U	32	27	25	30 J	30 J	23 J	640	35	32.5	41	NS

Units: ug/L
U = non-detected
J = estimated
NS = not sampled

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TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A
DEPTH													
COMPOUND	17 JAN 85	13 MAR 86	25 FEB 88	21 AUG 92	18 NOV 92	12 FEB 93	28 APR 93	22 MAR 95	17 NOV 99	23 MAR 01	18 JUNE 01	21 SEPT 01	4 DEC 01
1,1,1-Trichloroethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	U	U	90	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	U	97 J	U	10 U	17	8 J	25	72	15.22 J	5.2	0.8	4.9	12
1,2-Dichloropropane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U
2-Butanone	U	U	230 J	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	5 UJ	5 U	5 U
2-Hexanone	U	U	U	10 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5 UJ	5 U	5 U
4-Methyl-2-Pentanone	380	U	U	10 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5 U	5 U	5 U
Acetone	U	U	U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 UJ	5 UJ	5 U	5 U
Benzene	140	120 J	75	10 U	72	67	32	30	0.65	0.5 U	0.5 U	0.81	0.97
Bromodichloromethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	U	U	U	10 U	10 U	10 U	10 U	10 U	1.0 U	1.0 UJ	1 U	1 U	1 U
Carbon Disulfide	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Carbon Tetrachloride	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	110	76 J	54	10 U	47	36	21	16	1.7	1.8 U	0.59	1.7	4
Chloroethane	U	U	U	10 U	10 U	10 U	10 U	10 U	1.0 UJ	1.0 U	1 U	1 U	1 U
Chloroform	80	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	U	U	U	10 U	10 U	10 U	10 U	10 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbezene	U	5.1 J	8	10 U	10 U	1 J	0.4 J	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	470	U	U	10 U	10 U	10 U	10 U	10 U	2.0 U	2.5 U	5 U	5 U	2.5 U
Styrene	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	U	2.7 J	U	10 U	1 J	1 J	10 U	10 U	0.10 J	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	U	U	U	10 U	10 U	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	U	4.4 J	U	10 U	10 U	8 J	10 U	5 J	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	U	64 J	U	10 U	62	23	38	10 U	11	5	1.4	6.9	15
Xylene (total)	U	U	U	10 U	1 J	10 U	10 U	10 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U

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

TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	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	16 NOV 99	20 MAR 01	19 JUNE 01	20 SEPT 01	5 DEC 01
1,1,1-Trichloroethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	290	0.50 U	2.5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
1,1,2-Trichloroethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	3.8 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.96	3.8 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethene	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	4.3	3.8 U	1 U	1 U	1 U
1,2-Dichloroethane	U	U	U	U	U	U	5 J	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	320	360	26	15	490	470	85	98	270 J	260	730	1216	180 J	59	69	120
1,2-Dichloropropane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	8.8 U	3.5 U	3.5 U	3.5 U
2-Butanone	U	U	U	U	U	34 J	10 U	10 U	10 UJ	20 U	50 U	10 U	25 U	10 U	10 U	10 U
2-Hexanone	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	5.0 U	25 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	U	430	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	5.0 U	25 U	10 U	10 U	10 U
Acetone	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	10 U	25 U	10 U	10 U	10 U
Benzene	U	66 J	26	19	36	36	45	34	21 J	19 J	27 J	30	7.5	9.8	10	9.5 J
Bromodichloromethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Bromoform	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Bromomethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	1.0 U	5.0 UJ	2 UJ	2U	2U
Carbon Disulfide	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	25 U	10 U	10 U	10 U
Carbon Tetrachloride	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Chlorobenzene	U	85	30	25	29	28	36	36	24 J	23	30 J	60	27	18	32	52 J
Chloroethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	11	5.0 U	2 UJ	2 U	2 U
Chloroform	67	90	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	3.8 U	1.5 U	1.5 U	1.5 U
Chloromethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	1.0 U	25 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Dibromochloromethane	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Ethylbezene	U	U	U	U	U	U	10 U	10 U	10 UJ	1 J	50 U	0.11 J	2.5 U	1 U	1 U	1 U
Methylene Chloride	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	2.0 U	12 U	10 U	10 U	5 U
Styrene	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Tetrachloroethene	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Toluene	U	U	U	U	U	U	10 U	0.6 J	10 UJ	20 U	50 U	1.6	3.8 U	1.5 U	1.5 U	1.5 U
trans-1,3-Dichloropropene	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	0.50 U	2.5 U	1 U	1 U	1 U
Trichloroethene	U	52	8	U	29	32	8 J	10 U	72 J	63	230	30	2.5 U	1 U	1 U	1 U
Vinyl Chloride	U	U	7	U	200	87	45	24	61 J	75	200	480	100	59	62	150
Xylene (total)	U	U	U	U	U	U	10 U	10 U	10 UJ	20 U	50 U	1.1	2.5 U	1U	1U	1U

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

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TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
DEPTH														
COMPOUND	17 JAN 85	17 JAN 85	13 MAR 86	25 FEB 88	20 AUG 92	2 DEC 92	11 FEB 93	4 MAY 93	22 MAR 95	18 NOV 99	23 MAR 01	14 JUNE 01	SEPT 01	DEC 01
1,1,1-Trichloroethane	U	U	U	150	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	540	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
1,1,2-Trichloroethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
1,1-Dichloroethane	U	U	U	7	200 UJ	500 U	500 U	500 U	1000 U	0.40 J	NS	NS	NS	NS
1,1-Dichloroethene	U	U	U	87	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
1,2-Dichloroethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
1,2-Dichloroethene (total)	120	130	2900	30000	2300 J	6100	15000 J	8000	13000	2.0 U	NS	NS	NS	NS
1,2-Dichloropropane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
2-Butanone	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	20 U	NS	NS	NS	NS
2-Hexanone	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	10 U	NS	NS	NS	NS
4-Methyl-2-Pentanone	170 J	380	U	U	200 UJ	500 U	500 UJ	500 U	1000 U	10 U	NS	NS	NS	NS
Acetone	U	U	U	U	540 J	500 U	500 U	500 U	1000 U	20 U	NS	NS	NS	NS
Benzene	540	600	300	340 J	150 J	99 J	390 J	270 J	320 J	61	NS	NS	NS	NS
Bromodichloromethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Bromoform	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Bromomethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	2.0 U	NS	NS	NS	NS
Carbon Disulfide	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Carbon Tetrachloride	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Chlorobenzene	230	260	110	220 J	64 J	500 U	200 J	120 J	180 J	37	NS	NS	NS	NS
Chloroethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	2.0 UJ	NS	NS	NS	NS
Chloroform	74 J	190 J	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Chloromethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	2.0 U	NS	NS	NS	NS
cis-1,3-Dichloropropene	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Dibromochloromethane	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Ethylbezene	U	56	53 J	290 J	30 J	20 J	500 U	170 J	170 J	1.0 U	NS	NS	NS	NS
Methylene Chloride	480	550	U	U	200 UJ	500 U	500 U	500 U	1000 U	4.0 U	NS	NS	NS	NS
Styrene	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Tetrachloroethene	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Toluene	U	U	40 J	280 J	200 UJ	9 J	160 J	500 U	130 J	0.26 J	NS	NS	NS	NS
trans-1,3-Dichloropropene	U	U	U	U	200 UJ	500 U	500 U	500 U	1000 U	1.0 U	NS	NS	NS	NS
Trichloroethene	U	U	U	U	200 UJ	430 J	390 J	31 J	1000 U	1.0 U	NS	NS	NS	NS
Vinyl Chloride	U	U	620	6400	300 J	520	1900 J	1400	2100	2.0 U	NS	NS	NS	NS
Xylene (total)	U	U	57 J	67	200 UJ	500 U	89 J	31 J	1000 U	5.4	NS	NS	NS	NS
Units: ug/L U = non-detected J = estimated NS= not sampled	2,54	2166	4080	37,841	3384	7178	18129	10,022	15,900	106.1				

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TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER DEPTH COMPOUND	GCA-1 15 JAN 85	GCA-1 15 MAY 85	GCA-1 13 MAR 86	GCA-1 25 FEB 88	GCA-1 25 AUG 92	GCA-1 2 DEC 92	GCA-1 12 FEB 93	GCA-1 28 APR 93	GCA-1 21 MAR 95	GCA-1 18 NOV 99	GCA-1 23 MAR 01	GCA-1 14 JUNE 01	GCA-1 26 SEPT 01	GCA-1 4 DEC 01
1,1,1-Trichloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	45 J	50 U	0.5 U	0.5 U	0.5 U	1 U
1,1,2,2-Tetrachloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U
1,1-Dichloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U
1,1-Dichloroethene	U	U	U	20	200 U	200 U	200 UJ	18 J	250 U	18 J	0.75 U	0.5 U	0.5 U	1 U
1,2-Dichloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethene (total)	2300	8400	3000	4000	2500	3100	3900 J	4800	4500	11052	45	23	50	51
1,2-Dichloropropane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	2.5 U	1.8 U	1.8U	1.5U
2-Butanone	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	1000 U	5.0 U	5 UJ	5 U	10 U
2-Hexanone	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	500 U	5.0 U	5 UJ	5 U	10 UJ
4-Methyl-2-Pentanone	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	500 U	5.0 U	5 U	5 U	10 UJ
Acetone	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	1000 U	5.0 UJ	5 UJ	5 U	10 U
Benzene	210	200	130	100	41 J	31 J	43 J	48 J	77 J	470	56	71	100	100
Bromodichloromethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Bromoform	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Bromomethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	100 U	1.0 UJ	1 U	1 U	2 U
Carbon Disulfide	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	5.0 U	5 U	5 U	10 U
Carbon Tetrachloride	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Chlorobenzene	110	100	69 J	53	25 J	25 J	200 UJ	200 U	36 J	320	40	54	80	65
Chloroethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	100 UJ	5.3	1 U	9.6	2 U
Chloroform	29	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U
Chloromethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	100 U	5.0 U	2.5 U	2.5 U	5 U
cis-1,3-Dichloropropene	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Dibromochloromethane	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Ethylbezene	190	330	72	160	200 U	85 J	98 J	99 J	86 J	93	2.3	2.2	3.6	3.3
Methylene Chloride	790	U	U	U	200 U	200 U	200 UJ	200 U	250 U	200 U	2.5 U	5 U	5 U	5 U
Styrene	U	U	U	23	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Tetrachloroethene	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Toluene	110	190	44 J	130	200 U	40 J	32 J	200 U	250 U	74	0.92	1.2	2.2	1.5 U
trans-1,3-Dichloropropene	U	U	U	U	200 U	200 U	200 UJ	200 U	250 U	50 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	1900	2400	240 J	1800	56 J	1300	1000 J	750	370	160	0.5 U	0.5 U	0.5 U	1 U
Vinyl Chloride	260	430	110 J	92	120 J	150 J	200 J	210	290	1700	19	11	32	24
Xylene (total)	30	U	U	6	66 J	200 U	200 UJ	200 U	250 U	59	4.4	5.6	7.4	5.2

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

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TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1	ECJ-1
DEPTH	72'	72'	72'	72'	72'	72'	72'	250U	72'	72'	72'
COMPOUND	15 MAR 88	20 AUG 92	9 DEC 92	10 FEB 93	4 MAY 93	23 MAR 95	18 DEC 99	24 MAR 01	22 JUNE 01	19 SEPT 01	4 DEC 01
1,1,1-Trichloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
1,1,2,2-Tetrachloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 UJ	250 U
1,1,2-Trichloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	43	300 U	300 U	380 U	380 U
1,1-Dichloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	300 U	300 U	380 U	380 U
1,1-Dichloroethene	U	530 J	450 J	5000 UJ	10000 U	10000 U	480 J	300 U	200 U	250 U	250 U
1,2-Dichloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	15	200 U	200 U	250 U	250 U
1,2-Dichloroethene (total)	6900	77000	67000 J	59000 J	110000	200000	120620 J	21000	27000	26000	31000
1,2-Dichloropropane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	700 U	700 U	880 U	880 U
2-Butanone	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	10 U	2000 U	2000 U	2500 U	2500 U
2-Hexanone	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	5.0 U	2000 U	2000 U	2500 U	2500 U
4-Methyl-2-Pentanone	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	5.0 U	2000 U	2000 U	2500 U	2500 U
Acetone	U	5000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	10 U	2000 UJ	2000 U	2500 U	2500 U
Benzene	U	5000 U	5000 UJ	5000 UJ	450 J	10000 U	140 J	200 U	200 U	250 U	250 U
Bromodichloromethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Bromoform	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Bromomethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	400 UJ	400 U	500 U	500 U
Carbon Disulfide	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	2000 U	2000 U	2500 U	2500 U
Carbon Tetrachloride	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Chlorobenzene	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	2.2	700 U	200 U	250 U	250 U
Chloroethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	1.0 UJ	400 U	400 U	500 U	500 U
Chloroform	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	300 U	300 U	380 U	380 U
Chloromethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	2000 U	1000 U	1200 U	1200 U
cis-1,3-Dichloropropene	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Dibromochloromethane	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Ethylbezene	U	5000 U	670 J	1100 J	5100 J	5100 J	1900	680	790	930	770
Methylene Chloride	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	2.0 U	1000 U	2000 U	2500 U	2500 U
Styrene	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	1.8	200 U	200 U	250 U	250 U
Tetrachloroethene	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	3.1	200 U	200 U	250 U	250 U
Toluene	U	5000 U	440 J	5000 UJ	10000 U	10000 U	360 J	300 U	360	400	380
trans-1,3-Dichloropropene	U	5000 U	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	200 U	200 U	250 U	250 U
Trichloroethene	57000	15000	36000 J	22000 J	100000	10000 U	19000	200 U	200 U	250 U	250 U
Vinyl Chloride	U	3700 J	1400 J	1800 J	3000 J	6200 J	2700	5100	8900	11000	10000
Xylene (total)	U	870 J	5000 UJ	5000 UJ	10000 U	10000 U	72	200 U	200 U	250 U	250 U

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

TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2	ECJ-2
DEPTH	82'	82'	82'	82'	82'	82'	82'	82'	82'	82'	82'	82'
COMPOUND	3 MAR 88	3 MAR 88	31 AUG 92	7 DEC 92	12 FEB 93	7 MAY 93	24 MAR 95	3 JAN 00	28 MAR 01	20 JUNE 01	20 SEPT 01	5 DEC 01
1,1,1-Trichloroethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
1,1,2-Trichloroethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	150 U	300 U	300 U	300 U
1,1-Dichloroethane	U	5	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	150 U	300 U	300 U	300 U
1,1-Dichloroethene	42	53	1000 U	71 J	2000 U	49 J	5000 U	120 U	150 U	200 U	200 U	200 U
1,2-Dichloroethane	U	8	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
1,2-Dichloroethene (total)	10000 J	13000 J	7900	24000 J	21000	27000	51000	922 J	530	200 U	300 U	930
1,2-Dichloropropane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	350 U	700 U	700 U	1000 U
2-Butanone	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	2500 U	1000 U	2000 U	2000 U	2000 U
2-Hexanone	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	1200 U	1000 U	2000 U	2000 U	2000 U
4-Methyl-2-Pentanone	1000	3200	1000 U	2100 J	2000 U	2300	5000 U	1200 U	1000 U	2000 U	2000 U	2000 U
Acetone	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	2500 U	1000 U	2000 U	2000 U	2000 U
Benzene	60	77	1000 U	85 J	2000 U	190 J	5000 U	80 J	100 U	200 U	200 U	200 U
Bromodichloromethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	500 U	200 U	200 U	200 U
Bromoform	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Bromomethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	250 U	200 UJ	400 UJ	400 UJ	400 UJ
Carbon Disulfide	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	1000 U	2000 U	2000 U	2000 U
Carbon Tetrachloride	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Chlorobenzene	17	22	1000 U	4 J	2000 U	1200 U	5000 U	120 U	350 U	200 U	200 U	200 U
Chloroethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	250 UJ	200 UJ	400 U	400 U	400 U
Chloroform	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	150 U	300 U	300 U	300 U
Chloromethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	250 U	1000 U	1000 U	1000 U	1000 U
cis-1,3-Dichloropropene	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Dibromochloromethane	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Ethylbezene	270	410	570 J	990 J	960 J	660 J	1300 J	1000 U	710	990	880	880
Methylene Chloride	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	500 U	500 U	2000 U	2000 U	1000 U
Styrene	220	320	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Tetrachloroethene	14	16	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U
Toluene	580	900	1000 U	1400 J	1500 J	1200 U	2100 J	940	740	1000	860	1000
trans-1,3-Dichloropropene	U	U	1000 U	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	20 U	200 U	200 U
Trichloroethene	9500	14000	1000 U	12000 J	15000	9000	4500 J	120 U	100 U	200 U	200 U	200 U
Vinyl Chloride	560	1000	11000	3600 J	2000 U	5800	13000 J	14000	14000	22000	14000	16000
Xylene (total)	12	14	660 J	1000 UJ	2000 U	1200 U	5000 U	120 U	100 U	200 U	200 U	200 U

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

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TABLE 8

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

VOLATILE ORGANIC COMPOUNDS

WELL NUMBER	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'
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
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
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
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
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
1,1-Dichloroethene	U	2000 UJ	260 J	5000 UJ	10000 U	10000 U	170 J	75 U	50 U	50 U	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
1,2-Dichloroethene (total)	12000	22000 J	110000 J	130000 J	150000 J	140000	62320 J	6500	3500	4800	9100
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
2-Butanone	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	10 U	500 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
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
Acetone	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	10 U	500 UJ	500 U	500 U	500 U
Benzene	U	2000 UJ	5000 UJ	5000 UJ	440 J	10000 U	150 J	290	400	310	160
Bromodichloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	500 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
Bromomethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	100 UJ	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
Carbon Tetrachloride	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 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
Chloroethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 UJ	100 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
Chloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	1.0 U	500 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
Dibromochloromethane	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.50 U	50 U	50 U	50 U	50 U
Ethylbezene	U	2000 UJ	3300 J	4000 J	10000 U	3900 J	2000	450	830	480	150
Methylene Chloride	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	2.0 U	250 U	500 U	500 U	500 U
Styrene	U	2000 UJ	5000 UJ	5000 UJ	10000 U	10000 U	0.91	50 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
Toluene	U	2000 UJ	2400 J	2900 J	10000 U	3100 J	1100	92	110	90	75 U
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
Trichloroethene	74000	5300 J	29000 J	5000 UJ	690 J	10000 U	11	50 U	50 U	140	1200
Vinyl Chloride	U	2000 UJ	2100 J	4700 J	6600 J	13000	6100	1200	3200	690	560
Xylene (total)	U	180 J	96 J	5000 UJ	10000 U	10000 U	46	50 U	50 U	50U	50U

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

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TABLE 9

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

POLYCHLORINATED BIPHENYLS

WELL NUMBER DEPTH COMPOUND	MW-22A 5 FEB 86	MW-22A 18 MAR 86	MW-22A 24 FEB 88	MW-22A 23 AUG 92	MW-22A 2 DEC 92	MW-22A 11 FEB 93	MW-22A 28 APR 93	MW-22A 21 MAR 95	MW-22A 17 NOV 99	MW-22A 27 MAR 01	MW-22A JUN 01	MW-22A SEP 01	MW-22A DEC01
Aroclor-1016	U	U	U	1.0 UJ	500 U	1000 UJ	100.0 U	20 U	2.6 U	-	-	-	-
Aroclor-1221	U	U	U	2.0 UJ	1000 U	2000 UJ	200.0 U	20 U	2.6 U	4.64 U	NS	12.5 U	NS
Aroclor-1232	U	U	U	1.0 UJ	500 U	1000 UJ	100.0 U	20 U	2.6 U	4.64 U	NS	12.5 U	NS
Aroclor-1242	U	U	U	1.0 UJ	500 U	1000 UJ	100.0 U	20 U	22*	-	-	-	-
Aroclor-1242 / 1016	-	-	-	-	-	-	-	-	-	4.64 U	NS	61.2 J	NS
Aroclor-1248	U	U	65.0 J	1.0 UJ	500 U	1000 UJ	100.0 U	20 U	2.6 U	4.64 U	NS	12.5 U	NS
Aroclor-1254	150.0 C	U	93.0 J	1.0 UJ	3100 J	5000 J	410 J	37	2.6 U	4.64 U	NS	12.5 U	NS
Aroclor-1260	U	U	U	1.0 UJ	500 U	1000 UJ	100.0 U	20 U	3.2	4.64 U	NS	12.5 U	NS

Units: ug/L
U= non-detected
J= estimated
NS= not sampled
*= altered 1242 pattern

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TABLE 9

SULLIVAN'S LEDGE SUPERFUND SITE FIRST OPERABLE UNIT
HISTORICAL GROUNDWATER DATA

POLYCHLORINATED BIPHENYLS

WELL NUMBER DEPTH COMPOUND	MW-6A 17 JAN 85	MW-6A 17 JAN 85	MW-6A 21 MAY 85	MW-6A 12 MAR 86	MW-6A 24 FEB 88	MW-6A 24 FEB 88	MW-6A 27 AUG 92	MW-6A 17 NOV 92	MW-6A 17 FEB 93	MW-6A 29 APR 93	MW-6A 24 MAR 95	MW-6A 24 MAR 95	MW-6A 16 NOV 99	MW-6A 20 MAR 01	MW-6A JUN 01	MW-6A SEP 01	MW-6A 5 DEC 01
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	-	-	-	-
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
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
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	-	-	-	-
Aroclor-1242 / 1016	-	-	-	-	-	-	-	-	-	-	-	61.2 J	-	2.5 U	NS	.464 U	.474 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
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
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

Units: ug/L
U = non-detected
J = estimated
NT = not tested

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TABLE 10

SULLIVAN'S LEDGE SUPERFUND SITE

SUMMARY OF GWTP INFLUENT LABORATORY ANALYTICAL RESULTS[1]

	Discharge Limits	GROUND WATER COLLECTION TRENCH						RECOVERY WELL OBG-1					
		Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date		12/15/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	5	2.4	3.2	4.5	LT 0.50	(2)	LT 0.46	3.7	4.9	10	29.6	26.2	512
Benzene (ug/l)	(3)	110	110	140	90	(2)	99	290	360	LT 500	270	300	330
Toluene (ug/l)	(3)	70	190	53	LT 1.5	(2)	4.7	650	620	970	770	1500	1600
E-Benzene (ug/l)	(3)	12	12	21	3.8	(2)	3.7	750	610	920	720	1200	1400
Xylene (ug/l)	(3)	16	16	23	12.1	(2)	11.6	LT 50	LT 50	LT 500	LT 100	LT 200	LT 250
		208	328	237	105.9		119	1690	1590	1890	1760	3000	3330
TCE (ug/l)	(3)	LT 0.5	LT 5.0	LT 5.0	1.4	(2)	4.1	4000	5400	7400	2100	8000	6600
1,2 DCE (ug/l)	(3)	1.9	LT 5.0	LT 5.0	3.1	(2)	3.8	26000	16000	13000	13000	23000	26000
V.Chloride (ug/l)	(3)	LT 1.0	LT 10	LT 10	LT 2.0	(2)	LT 1.0	1200	820	LT 1000	550	900	1200
Chlorobenzene (ug/l)	(3)	100	120	110	72	(2)	90	LT 50	LT 50	LT 500	LT 350	LT 200	LT 250
Chloroform (ug/l)	(3)	LT 0.50	LT 5.0	LT 5.0	LT 1.5	(2)	LT 0.75	LT 50	LT 50	LT 500	LT 150	LT 300	LT 380
	<200*	111.9	120	110	76.5		97.9						
Acetone (ug/l)	(3)	LT 10	LT 100	LT 100	LT 10	(2)	LT 5	LT 1000	LT 1000	LT 10000	LT 1000	LT 2000	LT 2500
Acrolein (ug/l)	4000	NA	NA	LT 5.0	LT 25	(2)	LT 12	NA	NA	LT 500	LT 2500	LT 5000	LT 6200
		309.9	448	347	182.4	—	216.9	31,200	22220	20,400	15,250	31,900	33,800
Arsenic (mg/l)	1.400	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	1.200	LT 0.01	LT 0.01	LT 0.01	LT 0.005	(2)	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	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	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	4.800	LT 0.02	LT 0.01	NA	NA	(2)	NA	LT 0.01	LT 0.01	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	LT 0.01	LT 0.01
Cyanide (mg/l)	1.900	0.09	0.062	NA	NA	(2)	NA	0.16	0.16	NA	NA	NA	NA
Iron (mg/l)	-	NA	86	79	83	(2)	90	NA	41	40	46	54	52
Lead (mg/l)	0.600	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	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	1.8	1.4	1.8	(2)	2.0	NA	9.7	8.6	7.9	8.2	7.5
Mercury (mg/l)	0.010	LT 0.0002	LT 0.0002	NA	LT 0.0005	(2)	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	-	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)		LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	2.100	LT 0.05	LT 0.05	LT 0.05	LT 0.025	(2)	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	0.500	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	3.500	LT 0.01	LT 0.01	0.01	0.07	(2)	LT 0.05	LT 0.01	0.02	0.02	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	(3)	63	70	NA	73.1	(2)	ND	79	55	NA	122.5	NA	110
Pesticides	(4)	NA	NA	ND	NA	(2)	ND	NA	NA	ND	NA	NA	ND

	RECOVERY WELL OBG-2					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/28/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	5.9	7.6	5.3	1.01	6.04	8.4
Benzene (ug/l)	LT 500	LT 500	400	390	570	420
Toluene (ug/l)	LT 500	LT 500	120	140	190	LT 75
E-Benzene (ug/l)	LT 500	LT 500	86	140	180	75
Xylene (ug/l)	LT 500	LT 500	LT 50	42	LT 50	LT 50
	0	0	606	670	940	495
TCE (ug/l)	670	540	350	82	420	LT 50
1,2 DCE (ug/l)	19000	11000	3200	4800	6100	3300
V.Chloride (ug/l)	2300	1100	390	430	610	390
Chlorobenzene (ug/l)	LT 500	LT 500	220	250	340	230
Chloroform (ug/l)	LT 500	LT 500	LT 50	LT 38	LT 75	LT 75
			960			
Acetone (ug/l)	LT 10000	LT 10000	LT 1000	LT 250	LT 500	LT 500
Acrolein (ug/l)	NA	NA	LT 50	LT 620	LT 1200	LT 1200
	21970	12640	4160	5612	7470	3920
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	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
Copper (mg/l)	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
Iron (mg/l)	NA	71	74	73	76	70
Lead (mg/l)	LT 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
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	NA	255	NA	371.3	NA	26
Pesticides	NA	NA	ND	NA	NA	ND

	RECOVERY WELL OBG-3					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	LT 0.50	LT 0.50	LT 0.51	LT 0.50	LT 0.50	LT 0.50
Benzene (ug/l)	LT 500	66	LT 120	56	59	LT 50
Toluene (ug/l)	LT 500	36	LT 120	LT 75	LT 75	LT 75
E-Benzene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50
Xylene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50
	0	102	0	56	59	0
TCE (ug/l)	7100	4300	1800	450	120	96
1,2 DCE (ug/l)	9200	4900	3500	3600	2900	5400
V.Chloride (ug/l)	LT 1000	180	LT 250	180	230	490
Chlorobenzene (ug/l)	LT 500	44	LT 120	LT 180	77	LT 50
Chloroform (ug/l)	LT 500	LT 25	LT 120	LT 75	LT 75	LT 75
Acetone (ug/l)	LT 10000	LT 500	LT 2500	LT 500	LT 500	LT 500
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 1200	LT 1200
	16,300	9424	<300	4230	3327	5986
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	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
Copper (mg/l)	0.02	0.028	NA	NA	NA	NA
Cyanide (mg/l)	LT 0.01	LT 0.01	LT 0.01	0.03	0.01	LT 0.01
Iron (mg/l)	NA	41	53	53	62	60
Lead (mg/l)	LT 0.005	LT 0.005	LT 0.005	0.016	LT 0.005	LT 0.005
Manganese (mg/l)	NA	6.9	9.8	8.3	9.6	11
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	0.026	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	LT 0.01	0.01	LT 0.01	0.15	0.05	0.05
SVOC'S (ug/l)	ND	18	NA	16	NA	46
Pesticides	NA	NA	ND	NA	NA	ND

	RECOVERY WELL BEI-1					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	(2)	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	(2)	2.0	5.2	0.953	6.39	4.2
Benzene (ug/l)	(2)	68	LT 500	LT 100	LT 200	LT 200
Toluene (ug/l)	(2)	360	990	960	1200	1100
E-Benzene (ug/l)	(2)	700	1000	1100	1200	1400
Xylene (ug/l)	(2)	LT 50	LT 500	LT 100	LT 200	LT 200
		1128	1990	2060	2400	2500
TCE (ug/l)	(2)	7500	17000	13000	20000	20000
1,2 DCE (ug/l)	(2)	21000	11000	12000	14000	20000
V.Chloride (ug/l)	(2)	650	LT 1000	490	600	800
Chlorobenzene (ug/l)	(2)	LT 50	LT 500	LT 350	LT 200	LT 200
Chloroform (ug/l)	(2)	LT 50	LT 500	LT 150	LT 300	LT 300
Acetone (ug/l)	(2)	LT 1000	LT 10000	LT 1000	LT 2000	LT 2000
Acrolein (ug/l)	(2)	NA	LT 500	LT 2500	LT 5000	LT 5000
	0	29150	28000	25490	34600	46800
Arsenic (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	(2)	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
Copper (mg/l)	(2)	0.019	NA	NA	NA	NA
Cyanide (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Iron (mg/l)	(2)	26	47	45	60	41
Lead (mg/l)	(2)	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
Mercury (mg/l)	(2)	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	(2)	LT 0.01	LT 0.01	0.06	LT 0.05	LT 0.05
SVOC'S (ug/l)	(2)	68	NA	67.9	NA	82
Pesticides	(2)	NA	ND	NA	NA	ND

	RECOVERY WELL BEI-2					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	8.2	7.8	3.0	LT 0.5	2.586	1.66
Benzene (ug/l)	230	LT 250	LT 120	120	LT 100	140
Toluene (ug/l)	2200	940	240	76	LT 150	220
E-Benzene (ug/l)	4000	1700	430	290	220	480
Xylene (ug/l)	87	LT 250	LT 120	LT 50	LT 100	LT 100
	6430	2640	670	486	220	840
TCE (ug/l)	3800	4200	800	160	300	540
1,2 DCE (ug/l)	77000	30000	8400	7400	5900	14000
V.Chloride (ug/l)	8200	3900	1000	840	850	2000
Chlorobenzene (ug/l)	80	LT 250	LT 120	LT 180	LT 100	100
Chloroform (ug/l)	LT 50	LT 250	LT 120	LT 75	LT 150	LT 150
Acetone (ug/l)	LT 1000	LT 5000	LT 2500	LT 500	LT 1000	LT 1000
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 2500	LT 2500
	89080	38100	10200	8400	7050	16640
Arsenic (mg/l)	LT 0.005	LT 0.005	0.012	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	0.01	LT 0.01	0.01	0.01
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA
Copper (mg/l)	0.01	0.049	NA	NA	NA	NA
Cyanide (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.06	LT 0.01
Iron (mg/l)	210	58	58	55	NA	1.4
Lead (mg/l)	LT 0.005	0.022	0.006	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	9.2	7.9	7.8	7.6	8.6	NA
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	0.06	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.007
Zinc (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	101	72	NA	74.2	NA	66
Pesticides	NA	NA	ND	NA	NA	ND

	RECOVERY WELL BEI-3					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	3.3	3.4	4.5	0.867	4.42	1.26
Benzene (ug/l)		LT 500	LT 250	LT 50	LT 50	LT 100
Toluene (ug/l)	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
E-Benzene (ug/l)	6.7	LT 500	LT 250	LT 50	83	LT 100
Xylene (ug/l)	LT 5.0	LT 500	LT 250	LT 50	LT 50	LT 100
	6.7	0	0	0	83	0
TCE (ug/l)	14000	13000	7200	2600	4600	2400
1,2 DCE (ug/l)	590	1400	2900	3400	6400	7400
V.Chloride (ug/l)	17	LT 1000	LT 500	LT 100	160	LT 200
Chlorobenzene (ug/l)	LT 5.0	LT 500	LT 250	LT 180	LT 50	LT 100
Chloroform (ug/l)	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
Acetone (ug/l)	LT 100	LT 10000	LT 5000	LT 500	LT 500	LT 1000
Acrolein (ug/l)	NA	NA	LT 250	LT 1200	LT 1200	LT 2500
	14607	14400	10,100	6000	11,160	9800
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	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
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA
Iron (mg/l)	NA	1.4	0.86	1.3	2.4	2.4
Lead (mg/l)	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
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	0.01	0.02	0.01	0.14	0.05	0.05
SVOC'S (ug/l)	ND	ND	NA	ND	NA	13.1
Pesticides	NA	NA	ND	NA	NA	ND

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories.
   Samples for events 4 , 5, and 6 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
5. ND = Not Detected
6. NA = Not Analyzed
7. LT = Less Than

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
Winter01Table 10 xls

3/7/02

TABLE 11
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER ANALYSIS
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	Winter 1999	Spring 2001	Summer 2001	Fall 2001	Winter 2001	Winter 1999	Spring 2001
MW - 16	B	Overburden	5.1	ND	ND	ND	0.62	0.90	ND	ND	ND	ND	ND	ND
ECJ-3 (51)	B	Shallow Bedrock	NS	15.0	ND	12	0.64	NS	ND	ND	ND	ND	NS	ND
ECJ-3 (91)	B	Shallow Bedrock	NS	ND	1.0	ND	1.1	NS	ND	ND	ND	ND	NS	ND
ECJ-3 (126)	B	Intermediate Bedrock	NS	ND	0.96	0.86	1.2	NS	ND	ND	ND	ND	NS	ND
ECJ-3 (146)	B	Intermediate Bedrock	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS
MW - 15	B	Overburden	14.5	126.9	125.9	48.8	192.6	1.50	3.70	ND	R	2.24	8.8	6.0
MW - 14	B	Overburden	639.5	965.0	974.0	365.5	117.0	0.83	ND	ND	ND	0.96	91.6	63.1
MW - 24	B	Shallow Bedrock	3843.3	6530.0	3480.0	6370.0	6040.0	47.00	36.70	ND	R	26.0	66.9	39.8
MW - 2	B	Shallow Bedrock	3440.0	2181.0	905.0	1139.0	963.0	17.00	8.61	5.9	R	4.65	134.6	47.5
MW - 13A	A	Overburden	28.8	10.2	4.1	14.3	32.0	0.31	ND	NS	ND	ND	ND	ND
MW-12AR	A	Overburden	NS	205.5	217.3	132.7	NS	NS	ND	ND	2.26	NS	NS	47.9
MW - 22A	A	Overburden	1782.0	539.2	96.1	408.6	NS	25.20	ND	NS	61.2	NS	2231.3	229.7
MW - 13	A	Shallow Bedrock	991.6	7.1	2.1	13.1	26.9	0.26	ND	NS	ND	ND	ND	ND
MW - 17	A	Shallow Bedrock	36.4	1.2	20.2	18.4	28.8	ND	ND	NS	ND	ND	15.0	ND
GCA - 1	A	Shallow Bedrock	13946.0	172.9	229.6	321.9	284.5	14.00	ND	ND	5.83	2.53	247.4	26.6
ECJ 1 (37)	A	Shallow Bedrock	2297.6	109.0	64.0	83.0	64.0	1.10	2.85	2.08 J	1.12	R	36.1	ND
ECJ 1 (62)	A	Shallow Bedrock	72950.1	9410.0	5383.0	3180.0	1860.0	0.52	0.75	ND	R	ND	118.0	ND
ECJ 1 (72)	A	Shallow Bedrock	145337.1	26780.0	37050.0	38330.0	41770.0	ND	ND	ND	ND	ND	152.4	21.0
ECJ 1 (122)	A	Intermediate Bedrock	71911.5	8532.0	8220.0	6670.0	13263.0	ND	ND	1.56	R	R	100.5	188.9
ECJ 1 (148)	A	Intermediate Bedrock	36477.2	74600.0	104600.0	16270.0	18520.0	0.44	ND	ND	R	R	109.4	182.6
ECJ 1 (267)	A	Deep Bedrock	160.5	52.1	39.8	37.5	52.5	ND	ND	ND	ND	ND	5.9	ND
MW - 6A	C	Overburden	1835.1	314.5	158.0	173.0	331.5	0.12	ND	NS	ND	ND	4.6	ND
MW - 4A	C	Overburden	1.8	ND	ND	82.6	3.1	ND	ND	NS	ND	ND	ND	ND
MW - 5A	C	Overburden	ND	ND	2.0	2.2	ND	ND	ND	NS	ND	ND	ND	ND
MW - 6	C	Shallow Bedrock	4837.2	2950.0	3998.0	2137.0	4533.0	ND	ND	NS	ND	ND	5.6	ND
MW - 4	C	Shallow Bedrock	1271.9	1034.2	1113.2	1149.0	753.9	ND	ND	NS	ND	ND	ND	ND
MW - 5	C	Shallow Bedrock	ND	6.8	3.6	3.9	3.6	ND	ND	NS	ND	ND	ND	ND
ECJ 2 (47)	C	Shallow Bedrock	2533.0	1920.0	2468.0	1511.0	2171.0	ND	ND	ND	ND	ND	3.2	ND
ECJ 2 (82)	C	Intermediate Bedrock	15942.0	16080.0	23990.0	15740.0	18810.0	ND	ND	NS	ND	ND	4.4	ND
ECJ 2 (117)	C	Intermediate Bedrock	55380.0	29730.0	51600.0	37600.0	48800.0	ND	ND	ND	ND	ND	8.8	ND
ECJ 2 (152)	C	Intermediate Bedrock	400.4	4594.0	6180.0	11330.0	19570.0	ND	ND	ND	ND	ND	ND	9.0
ECJ 2 (187)	C	Deep Bedrock	3605.8	4440.0	76.4	43460.0	5200.0	ND	ND	NS	ND	ND	2.6	9.8
MW-10A	D	Overburden	NS	8.6	17.9	1.5	ND	NS	ND	NS	ND	ND	NS	ND
MW - 8A	D	Overburden	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	D	Shallow Bedrock	NS	12.9	27.6	22.9	7.1	NS	ND	NS	ND	ND	NS	ND
MW-10B	D	Shallow Bedrock	NS	13.6	33.8	15.0	4.7	NS	ND	NS	ND	ND	NS	ND
MW - 8	D	Shallow Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND	13.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
ECJ 4 (87)	D	Intermediate Bedrock	0.6	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ECJ 4 (132)	D	Intermediate Bedrock	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ECJ 4 (162)	D	Intermediate Bedrock	16.7	11.8	5.9	7.1	7.4	ND	ND	ND	ND	ND	3.5	ND
ECJ 4 (227)	D	Deep Bedrock	7.0	4.3	5.7	4.3	4.9	ND	ND	ND	ND	ND	ND	ND
ECJ 4 (245)	D	Deep Bedrock	15.4	5.1	3.7	3.3	6.8	ND	ND	ND	ND	ND	ND	ND

Notes:

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

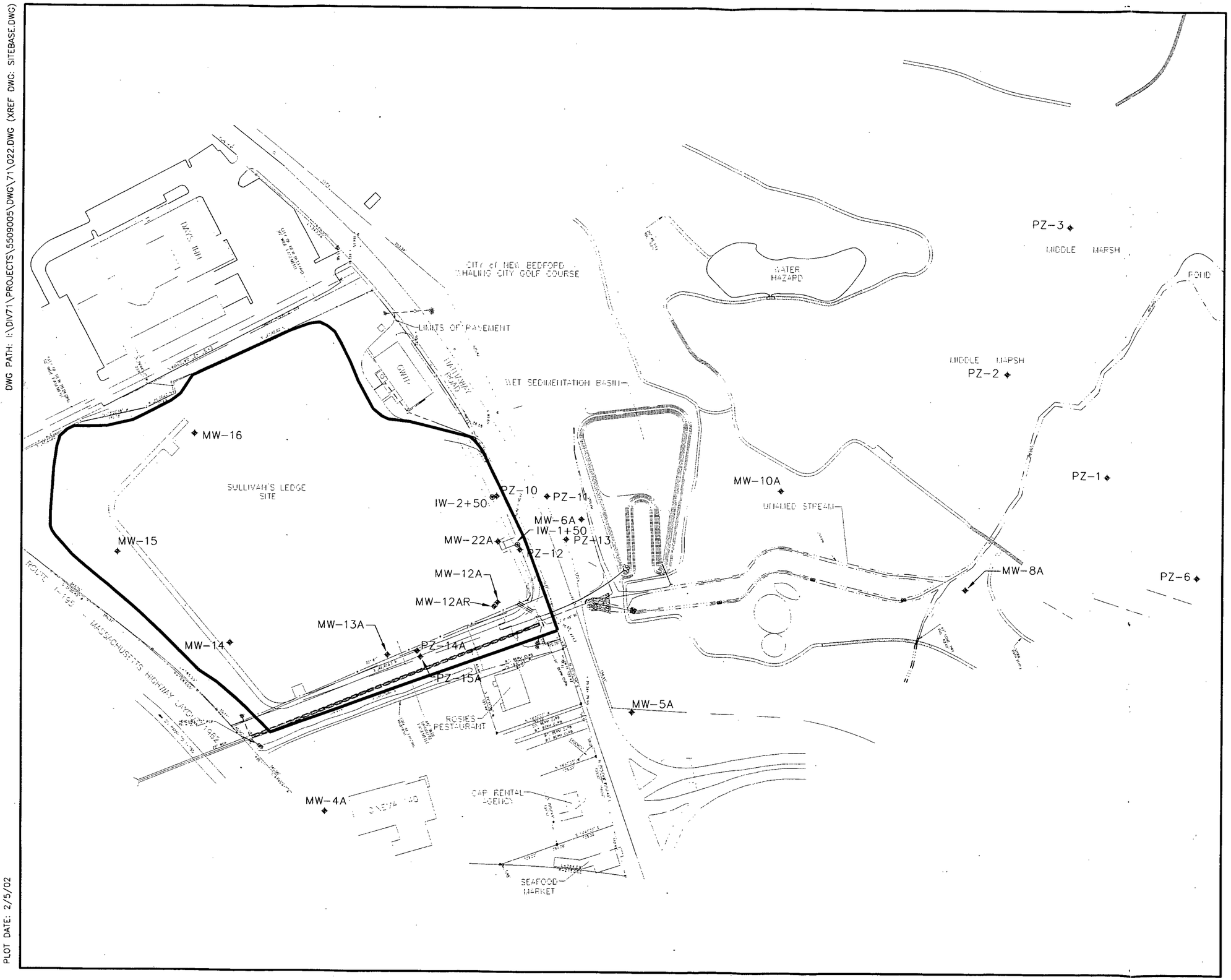
2. Set A = Inside Disposal Area, immediately downgradient of disposal pit.
   Set B = Inside Disposal Area, immediately upgradient of disposal pit.
   Set C = Outside Disposal Area, within 300 feet of Disposal Area.
   Set D = Outside Disposal Area, greater than 300 feet from Disposal Area (downgradient).

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
Winter01 Table 11.xls

3/7/02

FIGURES

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\022.DWG (XREF DWG: SITEBASE.DWG)



FIGURE–1

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. 5509.005–022
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

PLOT DATE: 2/5/02

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\023.DWG (XREF DWG: SITEBASE.DWG)

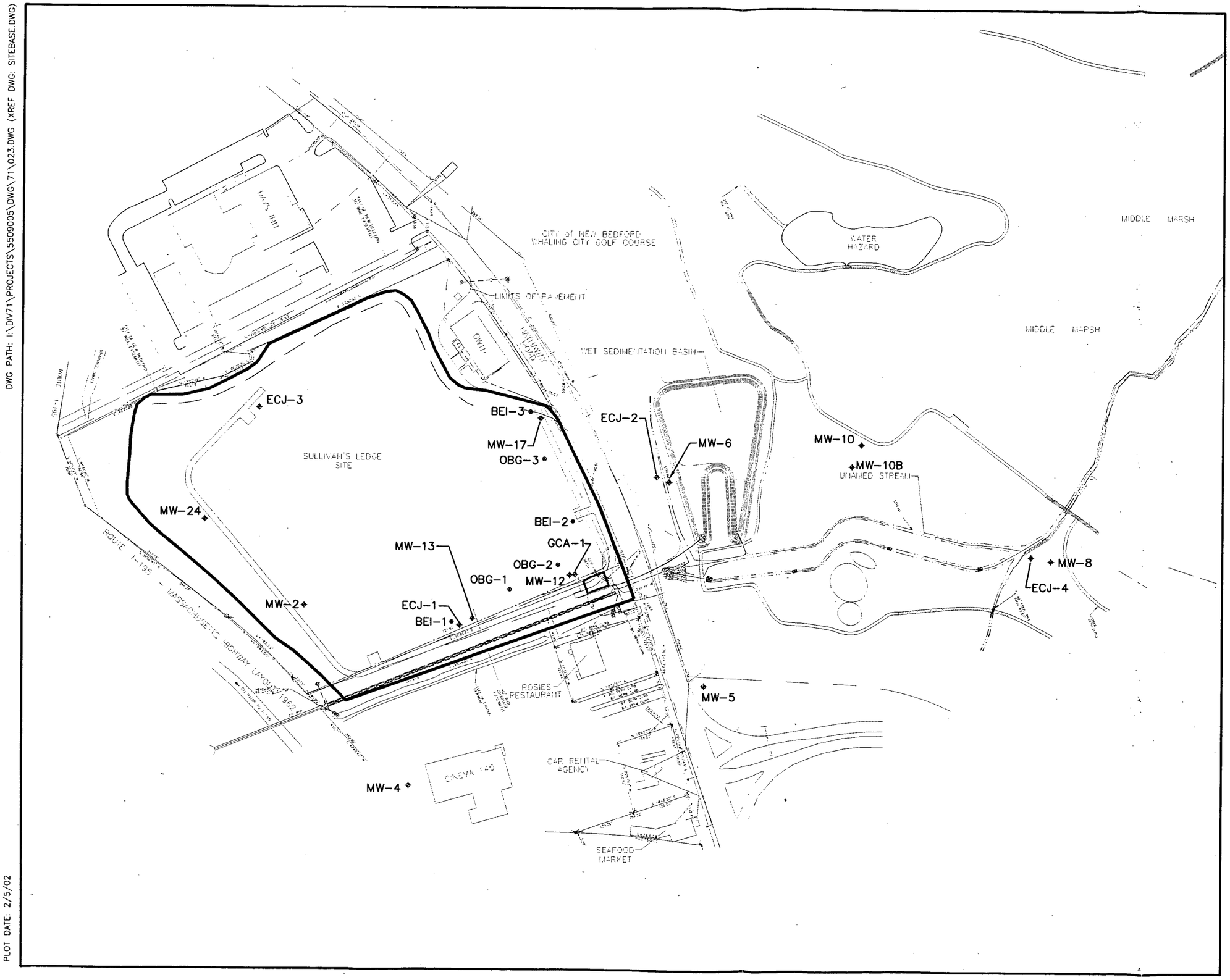


FIGURE-2

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. 5509.005-024

AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

PLOT DATE: 2/5/02

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\024.DWG (XREF DWG: SITEBASE.DWG)

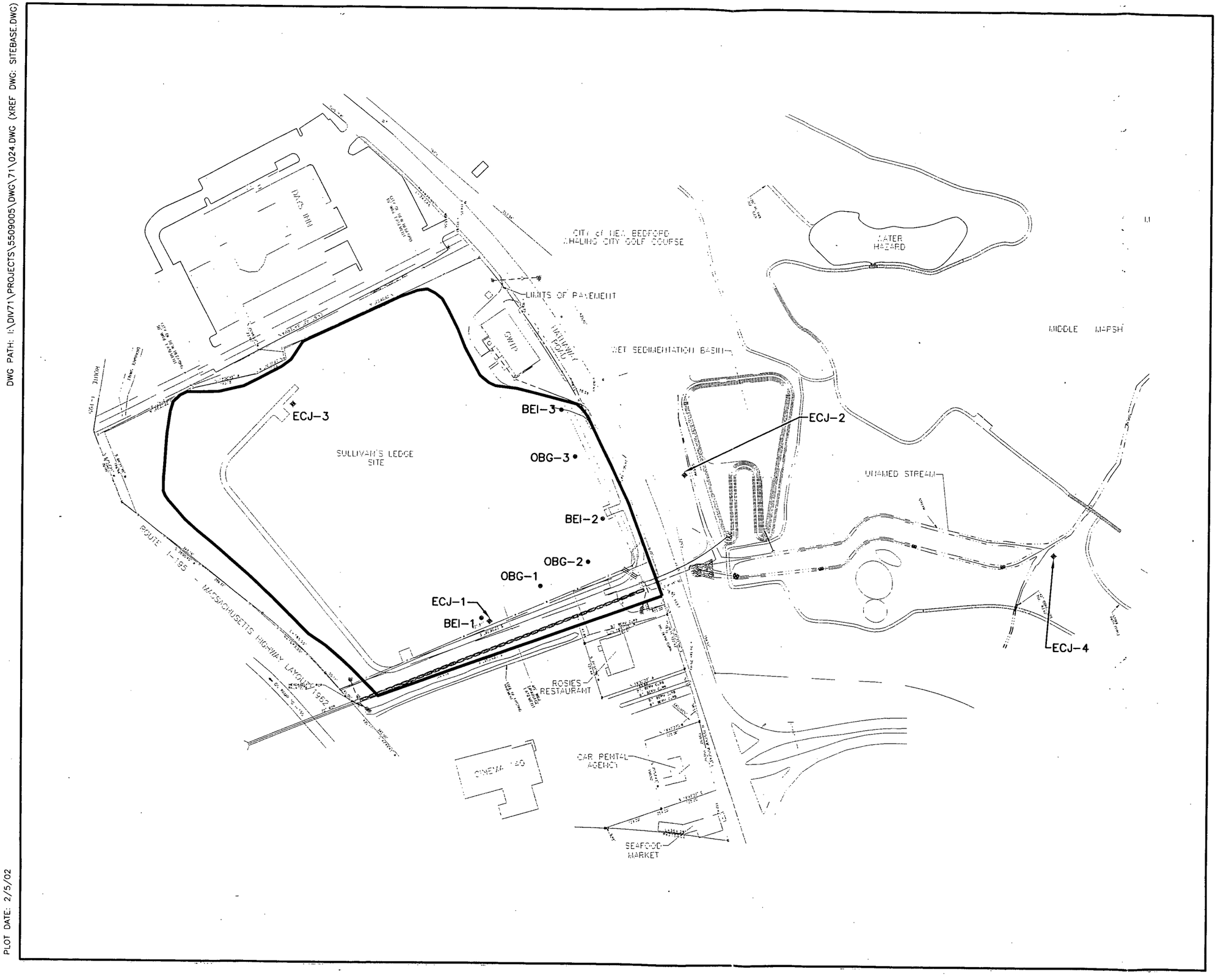


FIGURE-3

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

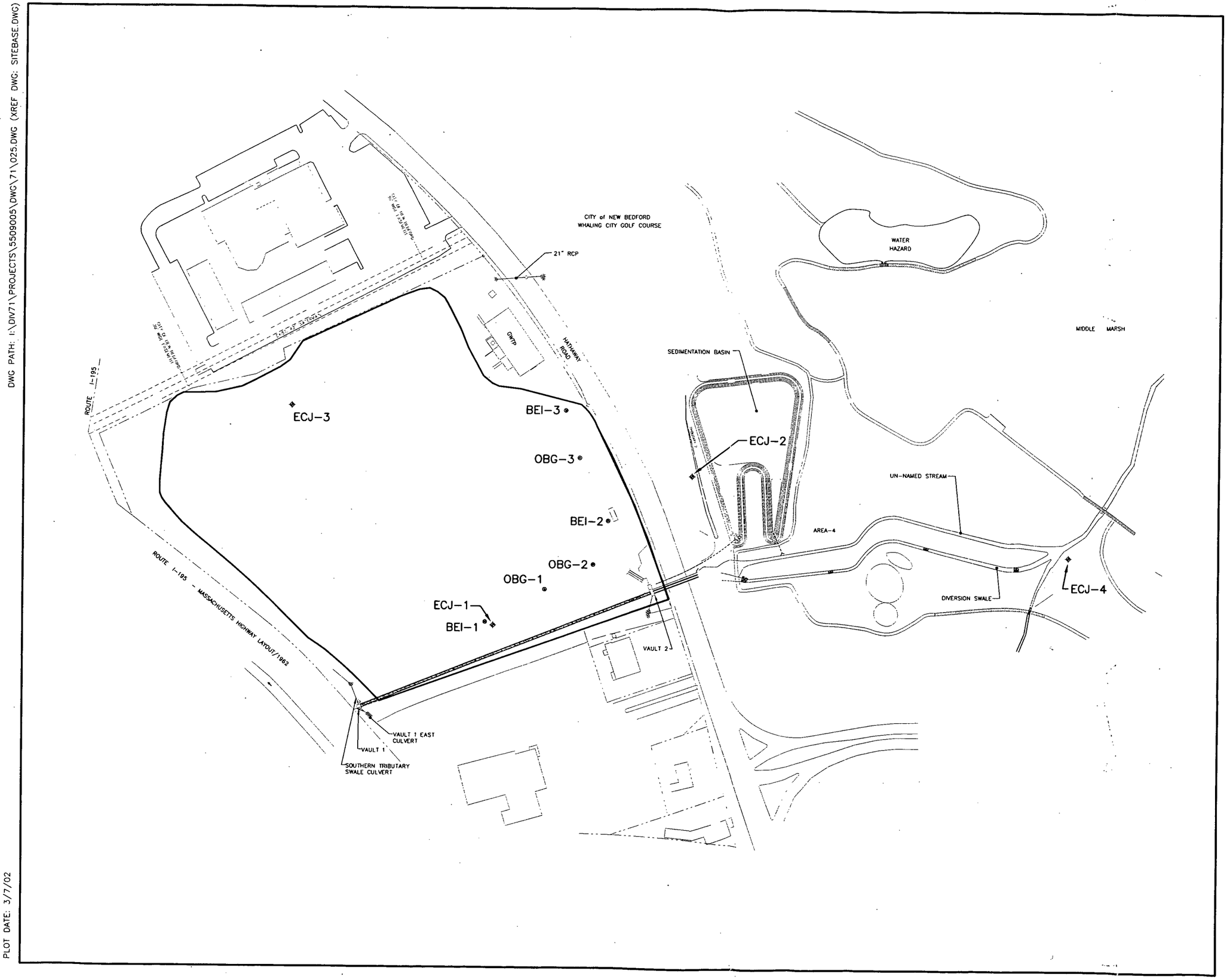
SCALE IN FEET

FILE NO. 5509.005-026
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

PLOT DATE: 2/5/02

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. 5509.005–029
AUGUST 2001

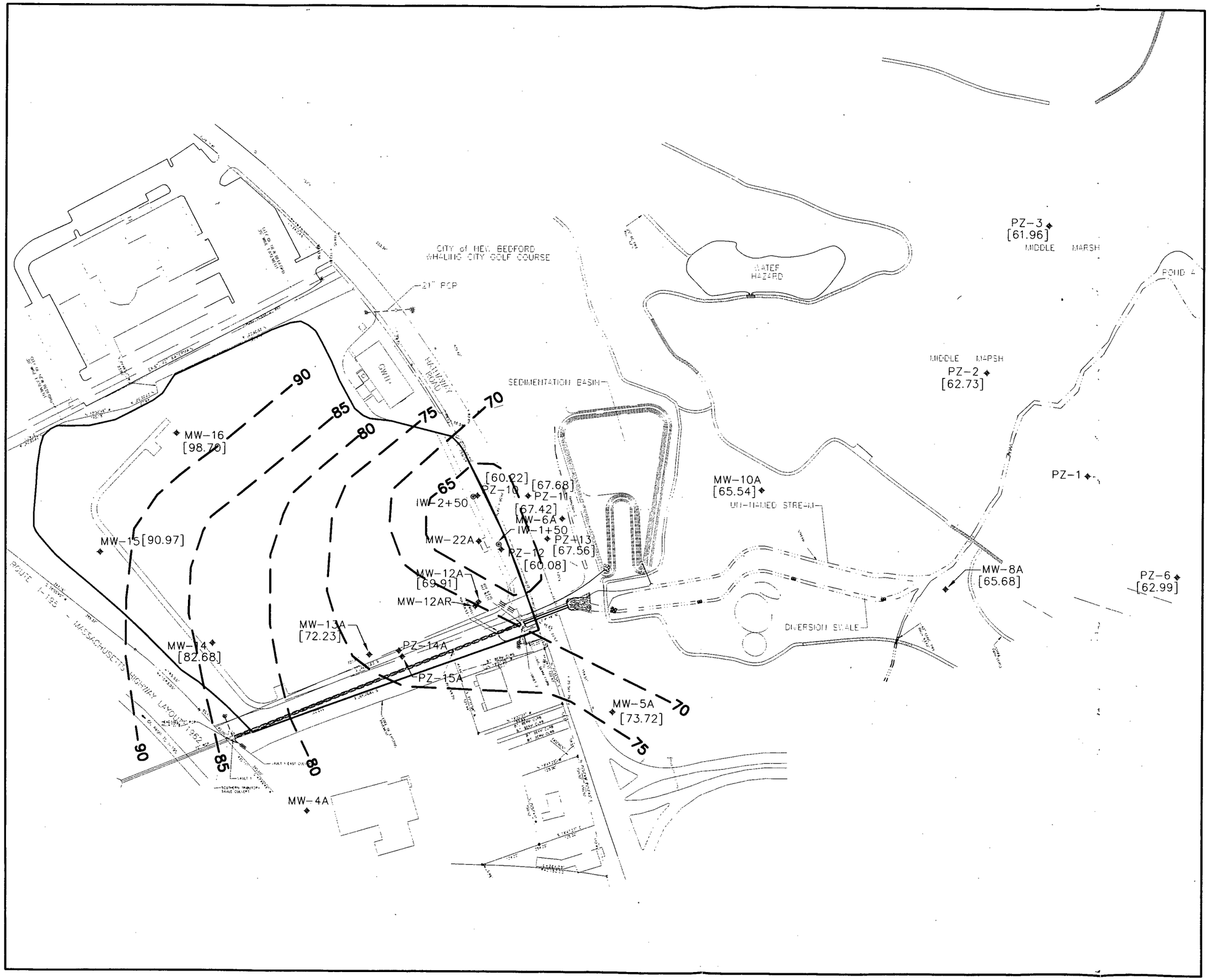
O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\025.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 3/7/02

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\022.DWG (XREF DWG: SITEBASE.DWG)

FIGURE 5



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [61.96] 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 (DECEMBER 2001)

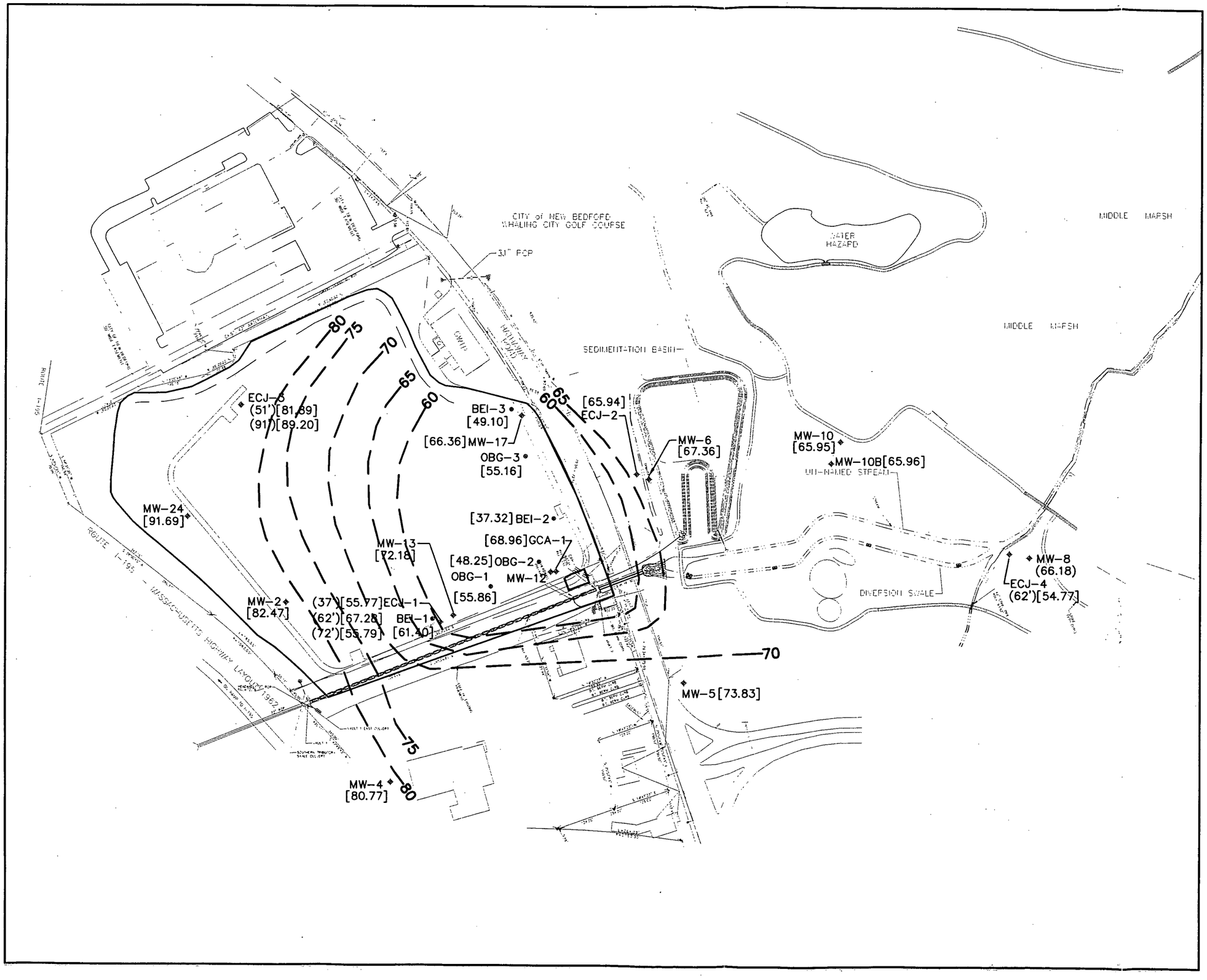
200 0 200
SCALE IN FEET

FILE NO. 5509.005-023
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

PLOT DATE: 2/5/02

FIGURE–6



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- [65.96] 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 2001)

200 0 200

SCALE IN FEET

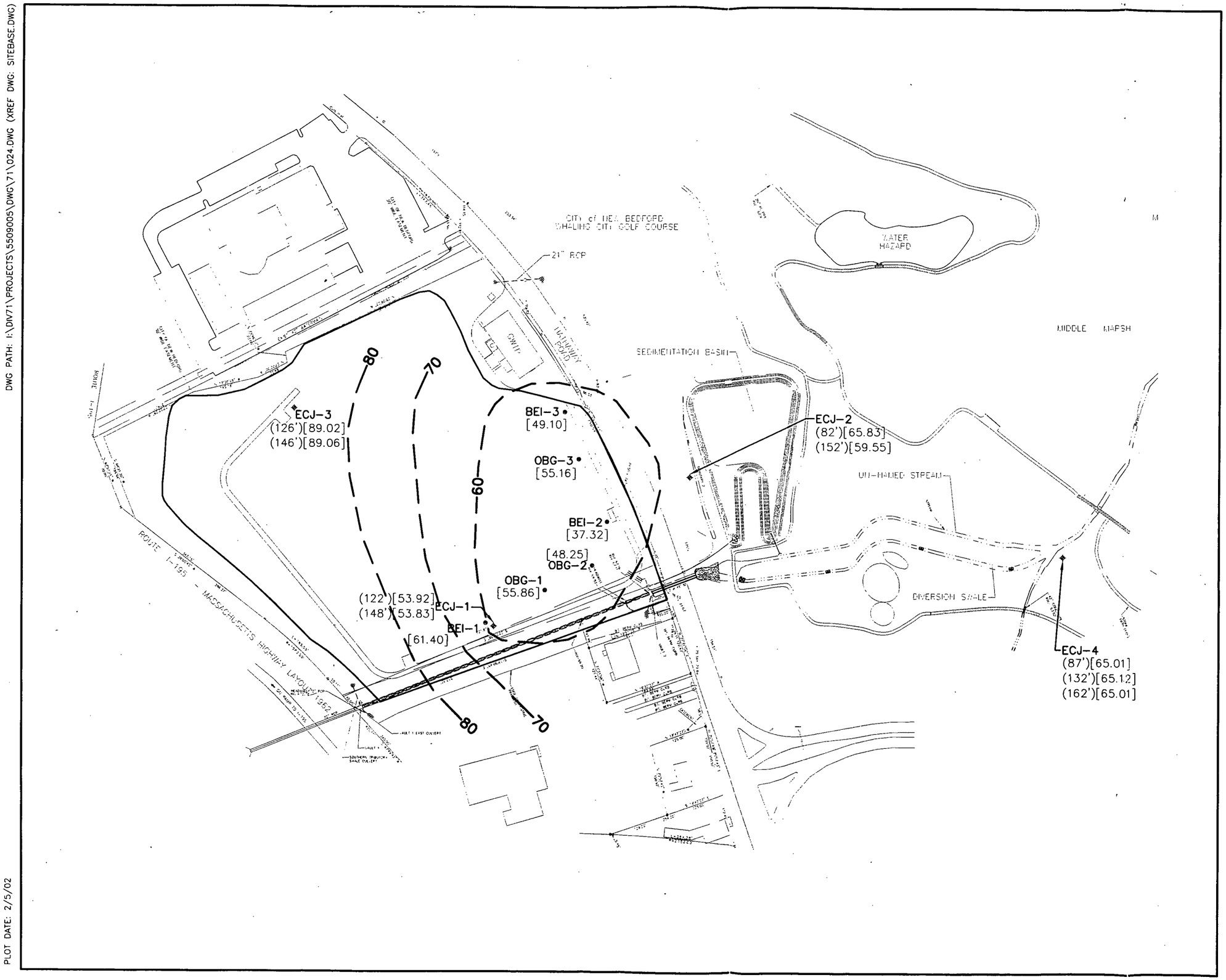
FILE NO. 5509.005–025
AUGUST 2001

O'BRIEN & GERE ENGINEERS, INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\023.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 2/5/02

FIGURE–7



LEGEND

✦	ECJ WELL LOCATION
⊙	RECOVERY WELL LOCATION
[65.01]	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 2001)

200 0 200

SCALE IN FEET

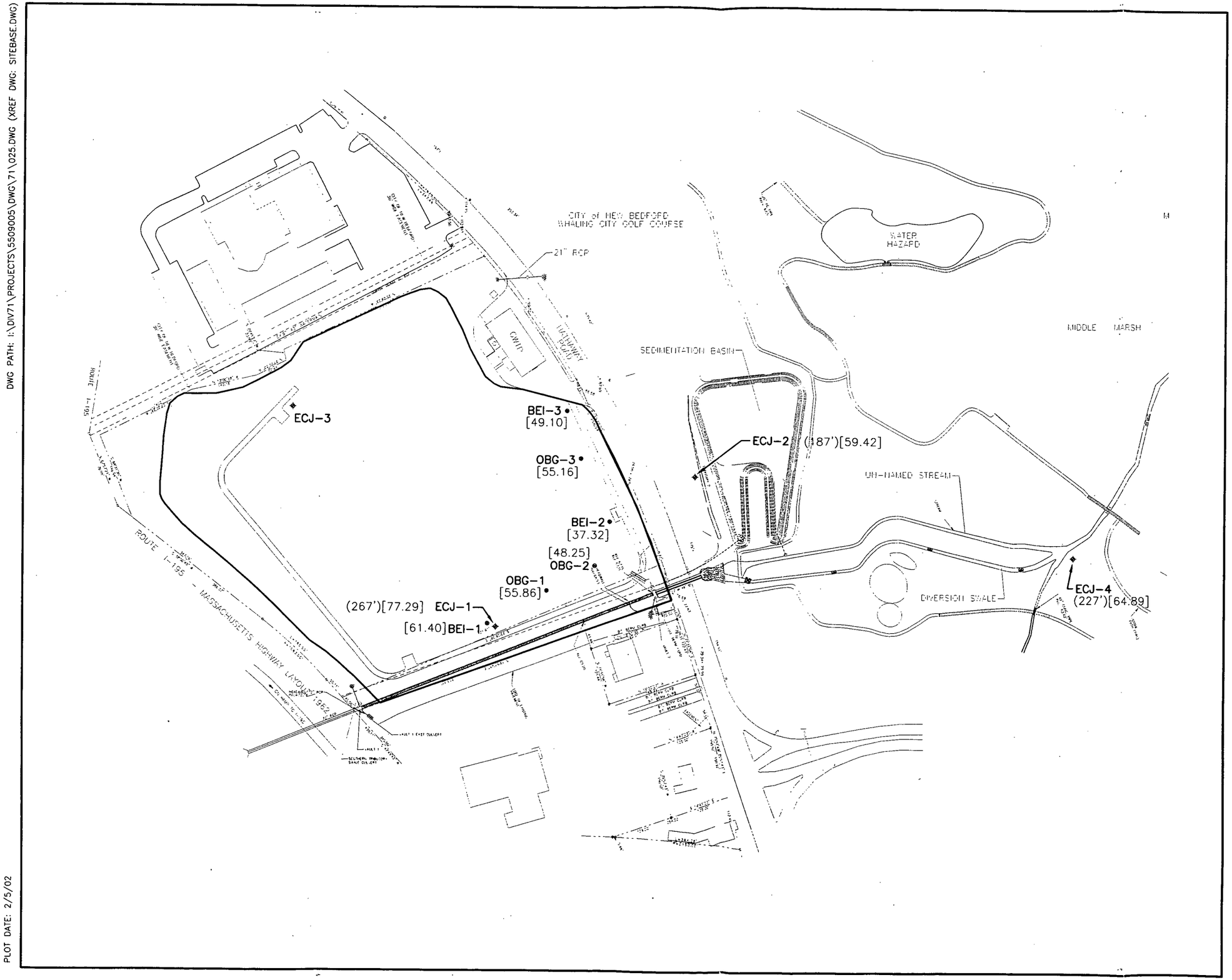
FILE NO. 5509.005–027
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\024.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 2/5/02

FIGURE–8



LEGEND

- ECJ WELL LOCATION
- RECOVERY WELL LOCATION
- [64.89] GROUND WATER ELEVATION
- (267') ECJ MONITORING PORT DEPTH (FT)

ELEVATIONS IN FEET RELATIVE TO MEAN SEA LEVEL

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

DEEP BEDROCK GROUND WATER ELEVATION MAP (DECEMBER 2001)

200 0 200

SCALE IN FEET

FILE NO. 5509.005–028
AUGUST 2001

O'BRIEN & GERE ENGINEERS INC.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\025.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 2/5/02

APPENDICES

Appendix A

Correspondence

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

March 14, 2001

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
Spring 2001 Groundwater Sampling Event
O'Brien & Gere Engineers, Inc.
Syracuse, NY
Project No. 20015.01

Dear Dave:

On behalf of O'Brien & Gere Engineers, Inc., this letter presents clarifications and modifications to the January 2000 Field Sampling Plan for the Spring 2001 groundwater sampling event at the Sullivan's Ledge Superfund Site, and is consistent with my e-mail to you dated February 26, 2001.

Schedule: The Spring 2001 sampling event is scheduled for the weeks of March 19 and March 26, 2001, consistent with O'Brien & Gere's letter to EPA dated June 26, 2000.

Analytical Scope: The analytical scope for the Spring 2001 round will consist of an annual round. Samples from conventional wells and Westbay well ports will be analyzed for VOCs, PCBs, SVOCs, and metals. The scope of the metals analysis will be increased from RCRA 8 metals to TAL metals. The modifications to the program recommended in O'Brien & Gere's June 26, 2000 letter will not be implemented.

Filtering of Samples for Metals: Samples will be collected for total metals analysis only. As we discussed, this approach is consistent with Massachusetts Contingency Plan Guidance. (See MCP Master Q&A 1993-1997 #Q164 "Water to be collected from a tap should not be filtered, nor should water collected with a low flow sampling pump that is designed to minimize turbidity...").

Laboratory: Laboratory analysis for the project will be completed by Alpha Analytical, Inc. (Alpha). On March 12, 2001, O'Brien & Gere forwarded to EPA Alpha's Laboratory Quality Assurance Manual, and a letter from Alpha dated March 7, 2001 which summarizes laboratory reporting limits and standard laboratory control limits.

ECJ-3: ECJ-3 is the upgradient Westbay well. This well was found plugged during the 1999/2000 sampling event. HLA has indicated that it has removed the blockages, but was unable to remove a 50-ft rod which had been used for clearing from the lower portion of the well (approximately 210 ft from top of casing). At a minimum, the rod will preclude sampling the lower two ports of the well. HLA has been requested to videotape the well, to evaluate well integrity and the potential for getting Westbay sampling equipment hung up in the well. Based on the above, ECJ-3 will not be sampled until the well is videotaped and found to be suitable for sampling. We will keep you apprised of the situation.

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Project Organization: Samples will be collected by Mabbett & Associates, Inc. The overall project organization will be as follows:

Title	Name	Firm
Project Coordinator:	James R. Heckathorne, PE	OBG
Project Manager:	James M. O'Loughlin, PE, LSP	M&A
Project Hydrogeologist:	Guy A. Swenson, CPG	OBG
Data Validator:	Melissa S. Listman	OBG
Site Manager:	Melissa A. Smith	M&A
Health & Safety Officer:	Gregory C. Guimond	M&A
Sampling Personnel:	Melissa A. Smith	M&A
	Gregory C. Guimond	M&A
	Darren J. Andrews	M&A
	Ryan E. Hill	M&A
	Theodore A. Nawn	M&A

We appreciated the opportunity to discuss the program with you on March 1, 2001, and look forward to completing it. Please contact Jim Heckathorne or me if we can provide any additional information.

Very truly yours,

MABBETT & ASSOCIATES, INC.

BY:

James M O'Loughlin

James M. O'Loughlin, P.E., LSP
Senior Project Manager

JMO/tw

cc: S. Wood, E. Bertaut, R. Connors, D. Allen, D. Buckley, D. Dwight, R. Carey, J. Johnson, M. Wade, J. Heckathorne, M. Listman, G. Swenson

DJA, GCG, REH , JMO, TAN, MAS, (MF/RF)

df: JEB, DAC, ANM, PDS

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March 16, 2001

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
Health and Safety Plan
O'Brien & Gere Engineers, Inc.
Syracuse, NY
Project No. 20015.01

Dear Dave:

To complete the groundwater, landfill gas, and surface water/sediment sampling at Sullivan's Ledge, Mabbett & Associates, Inc. will be adopting the Health & Safety Plan developed by O'Brien & Gere for that purpose (provided to EPA on July 30, 1999). This plan was reviewed by M&A and found to be acceptable, subject to the following updates and clarifications:

Project Organization (Update to Section 1.4 and Table 1.1)

Title	Name	Telephone
Project Management Committee	Steven B. Wood	401-421-0398
Project Coordinator	James R. Heckathorne, PE	315-437-6100
Project Manager	James M. O'Loughlin, PE	781-275-6050
Technical Director of Environmental Health*	Ronald S. Ratney, Ph.D, CIH	781-275-6050
Site Health and Safety Coordinator	Gregory C. Guimond	781-275-6050
Field Team Leader	Melissa A. Smith	781-275-6050
Field Team Member	Darren J. Andrews	781-275-6050
Field Team Leader	Ryan E. Hill	781-275-6050
Field Team Member	Theodore A. Nawn	781-275-6050

* Will assume duties delineated for Associate for Health and Safety

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Protective Equipment (Modification to Sections 2.2 and 4.2)

Gloves: Nitrile inner gloves will be used in place of latex inner gloves.

Boots: For Level D, Modified Level D, and Modified Level C, footwear will consist of leather steel toe boots with rubber overboots. Because site soils have been remediated, and due to the slip hazard associated with mud and snow, disposable outerboots (i.e., tyvek booties) will not be worn.

Respirators: If the during groundwater sampling the concentration of VOCs in the breathing zone is 25 parts per million (ppm) above background, as measured by a PID, the well will be capped and the Project Manager will be contacted before upgrading to full face air purifying respirators with organic vapor cartridges.

Emergency Telephone Numbers (Update to Table 9-1)

Agency	Phone
Ambulance	911
St Lukes Hospital (General)	(508) 997-1515
St Lukes Hospital (Emergency Room)	(508) 961-5388
New Bedford Fire Department	(508) 991-6100
New Bedford Police Department	(508) 991-6340
New Bedford Public Works Department (Robert Carey, City Project Coordinator)	(508) 979-1527
Sullivan's Ledge Groundwater Treatment Plant	(508) 961-3160
U.S. Environmental Protection Agency (David Lederer, USEPA Project Manager)	(617) 918-1325
Massachusetts Department of Environmental Protection (Dorothy Allen, MADEP Project Manager)	(617) 292-5795
State Poison Center	(800) 682-9211
State Police	(617) 523-1212
State Emergency Response	(888) 304-1133
National Emergency Response	(800) 424-8802
Mabbett & Associates, Inc.	(800) 877-6050

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Map to Hospital (Update to Figure 9-1)

An updated map to St Luke's hospital is attached.

Personal Training (Modification to Section 3.2)

Replace text in Section 3.2 with the following:

On-site management and supervisors directly responsible for or who supervise employees engaged in hazardous waste operations must have completed 40 hours of initial training, three days of supervised field experience, and at least 8 additional hours of specialized training.

Medical Surveillance Program (Modification to Section 5.1)

Replace text in Section 5.1 with the following:

All employees who are or may be exposed to hazardous substances or health hazards at or above the established permissible exposure limit, above the published exposure levels for these substances, without regard to the use of respirators, for 30 days or more a year; who wear a respirator for 30 days or more a year; or are injured, become ill or develop signs or symptoms due to possible overexposure involving hazardous substances or health hazards from an emergency response or hazardous waste operation are subject to the medical surveillance requirements outlined herein.

Medical examinations and consultations shall be made available by the employer to each employee prior to assignment; at least once every twelve months for each employee covered unless the attending physician believes a longer interval (not greater than biennially) is appropriate; at termination of employment or reassignment to an area where the employee would not be covered if the employee has not had an examination within the last six months; as soon as possible upon notification by an employee that the employee has developed signs or symptoms indicating possible overexposure to hazardous substances or health hazards, or that the employee has been injured or exposed above the permissible exposure limits or published exposure levels in an emergency situation; or at more frequent times, if the examining physician determines that an increased frequency of examination is medically necessary.

For employees who may have been injured, received a health impairment, developed signs or symptoms which may have resulted from exposure to hazardous substances resulting from an emergency incident, or exposed during an emergency incident to hazardous substances at concentrations above the permissible exposure limits or the published exposure levels without the necessary personal protective equipment being used, medical examinations and consultations shall be made available as soon as possible following the emergency incident or development of signs or symptoms and at additional times, if the examining physician determines that follow-up examinations or consultations are medically necessary.

Please contact the undersigned if you have any comments or if we can provide any further information.

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Very truly yours,

MABBETT & ASSOCIATES, INC.

BY:

James M O'Loughlin

James M. O'Loughlin, P.E., LSP
Senior Project Manager

JMO/tw

cc: S. Wood, E. Bertaut, R. Connors, D. Allen, D. Buckley, D. Dwight, R. Carey, J. Heckathorne

DJA, GCG, REH , JMO, TAN, RSR, MAS, (MF/RF)

df: JEB, DAC, ANM, PDS

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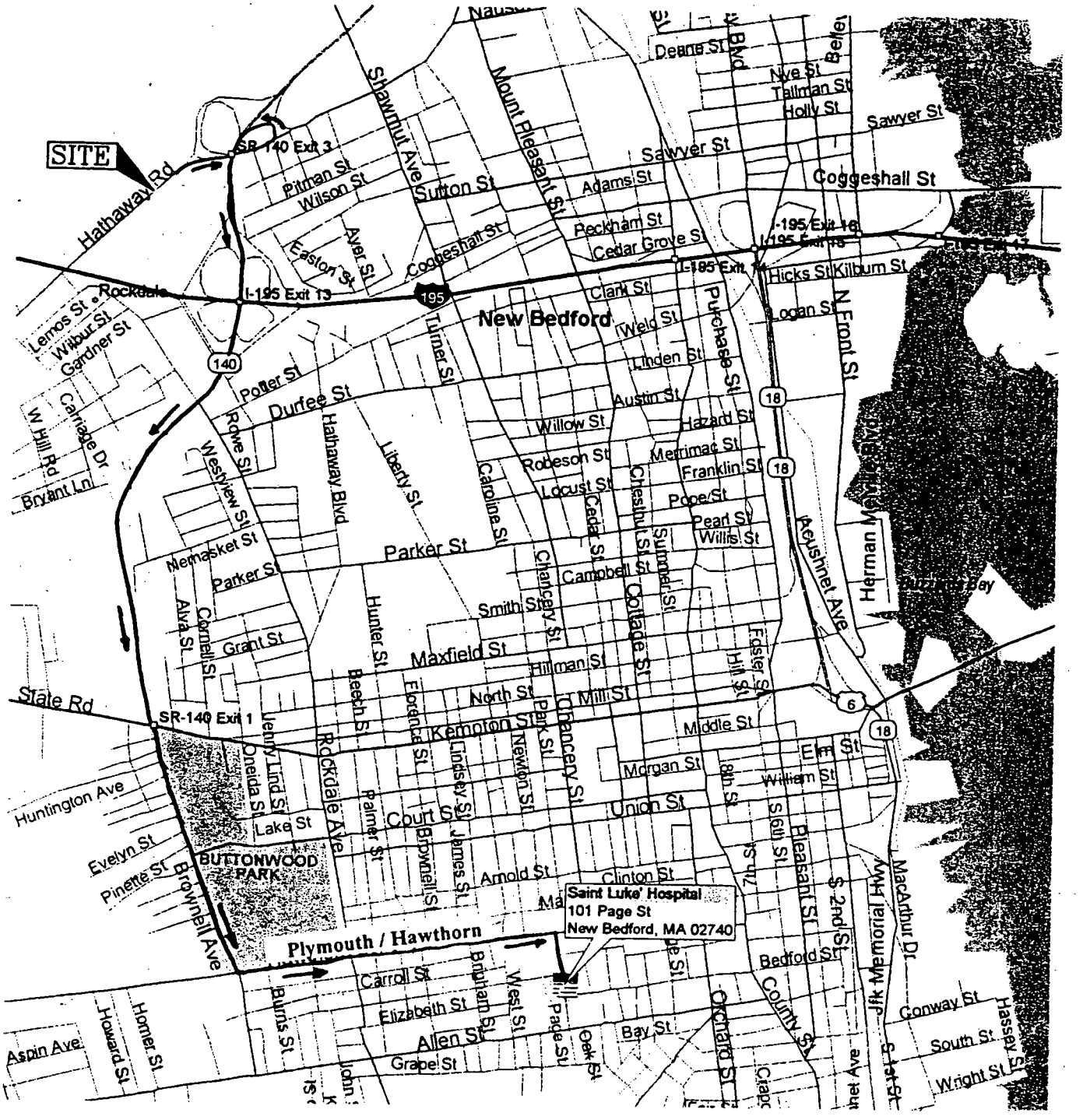

Directions to Saint Luke's Hospital, 101 Page Street, New Bedford, Ma.

Take Route 140 south. Continue straight onto Brownall Avenue, at the 140/Route 6 intersection. Turn left after Buttonwood Park, onto Plymouth. Follow Plymouth for approximately 0.9 miles to Page Street. Turn right onto Page St., and travel 1 1/2 blocks to Saint Luke's Hospital (on your right). The route described also has signs to assist in locating Saint Luke's Hospital.

SULLIVAN'S LEDGE NEW BEDFORD, MASSACHUSETTS	SAINT LUKE'S HOSPITAL DIRECTION MAP	DWG NO. M-1
Mabbett & Associates, Inc. Environmental Consultants & Engineers	SCALE: AS NOTED / DR BY: DJA DATE: 3/15/01 / AP BY: JMO	PROJ NO. 20015.07

O'BRIEN & GERE
ENGINEERS, INC.

May 18, 2001

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
Groundwater Monitoring
File: 5509.005 #2

Dear Dave:

In March 2001, Mabbett & Associates, Inc. (M&A) collected groundwater samples at the Sullivan's Ledge Superfund Site (i.e., Spring 2001 Round). The results of the analysis, performed by Alpha Analytical Labs, were received on May 4, 2001, and will be validated during the last two weeks of May. The purpose of this letter is to provide you with an initial summary of the results, and to recommend the analytical program for the upcoming Summer 2001 Round, which is scheduled for June 2001.

Summary of Results

Collection Trench and Bedrock Recovery Wells

On March 21, 2001, the shallow collection trench and the six bedrock recovery wells were sampled from the groundwater treatment plant taps. The results are summarized on Table 1. Although the results are generally consistent with previous rounds conducted on December 15, 2000, January 27, 2001, and June 29, 2001, some observations of the data are as follows:

- The concentrations of organic constituents appear to be declining in bedrock recovery well BEI-2;
- The concentration of PCBs in the collection trench and four of the recovery wells (i.e., OBG-2, BEI-1, BEI-2, BEI-3) were lower for the March 2001 round than the June 2000 round. There appears, however, to be a gradual increase in PCB concentration in recovery well OBG-1.
- The concentration of TCE appears to be declining in four bedrock recovery wells (i.e., OBG-2, OBG-3, BEI-2, BEI-3).

These observations are primarily provided as points of interest. None of these observations are significant enough to warrant a revision to the recovery strategy, or modification to groundwater treatment plant operation.

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

Groundwater Monitoring Wells

A summary of groundwater monitoring data from the Spring 2001 round is presented on Table 2. For comparative purposes, the results from the Winter 1999 round are also presented. Although the results of the two rounds are generally consistent, some observations of the data are as follows:

- In the Set A and C wells, the concentrations of total VOCs detected during Spring 2001 tended to be lower than those detected during Winter 1999, with the exception of two intermediate bedrock wells.
- In the Set B wells, the concentrations of total VOCs detected in some wells during Spring 2001 tended to be slightly higher than those detected during Winter 1999. The change, however, if present, is slight, and may be due to variability (seasonal or temporal) in the data.
- In the Set D wells, the concentrations of total VOCs detected were consistent between the two events, and were low.
- During Spring 2001, PCBs were detected in only 5 of 20 on-site wells, and 0 of 22 off-site wells. The highest concentrations of PCBs detected continue to be in MW-24.
- Consistent with previous sampling events, SVOCs in Spring 2001 were generally not detected or were detected in very low concentrations relative to VOCs.

As with the recovery data, these observations are primarily provided as points of interest. None of these observations are significant enough to warrant a revision to the recovery strategy, or modification to groundwater treatment plant operation.

Recommended Summer 2001 Program

O'Brien & Gere first proposed modifications to the groundwater monitoring program on June 26, 2000, based on the Winter 1999 baseline round. A copy of this letter is attached for your convenience.

Some of the issues presented in this letter were as follows:

Groundwater Treatment Plant Operability:

Site groundwater quality has bearing on treatment plant operability (i.e., consistency of groundwater quality with the basis of design, and capability of the groundwater treatment plant to meet discharge limitations).

A review of groundwater treatment plant operational logs indicates that between the Winter 1999 Baseline Round and the Spring 2001 Annual Round, the groundwater treatment plant has treated over 18 million gallons of groundwater. Moreover, the

treatment plant has operated relatively continuously since March 2000. Data concerning groundwater treatment plant operation was provided to EPA on August 25, 2000 and in greater detail on April 30, 2001. The conclusions of these evaluations have been that influent groundwater quality is consistent with the basis of design, and that the groundwater treatment plant is capable of meeting discharge limitations. Moreover, no trends in the data have been observed that would change these conclusions.

VOCs as a Broad Indication of Ground Water Contamination

VOCs continue to be broad indication of groundwater contamination, and based on mobility, continue to be a good indicator of potential changes in off-site migration patterns. A review of Table 2 confirms that at no well during either sampling event were PCBs or SVOCs detected without the co-detection of VOCs.

Infrequent Detection of PCBs and SVOCs

A review of Table 2 confirms that PCBs and SVOCs continue to be detected infrequently and in low concentrations relative to VOCs. As indicated above, during the Spring 2001 Round, PCBs were detected in only 5 of 20 on-site wells, and 0 of 22 off-site wells. Similarly, during the Spring 2001 Round, SVOCs were only detected in 12 of 42 wells. Analysis for these constituents on a quarterly basis in every groundwater monitoring well continues to be overly conservative and resultant in data of little pragmatic use.

Metals

A comprehensive list of TAL metals were analyzed in Spring 2001. The results are still being evaluated. None-the-less, metals will continue to factor into remedial decisions only for overburden wells, as they pertain to surface water quality.

In summary, the data collected over the past year corroborates the evaluation and conclusions of the June 26, 2000 letter.

O'Brien & Gere's proposal to modify the groundwater sampling program was discussed during the November 30, 2000 project meeting. At that meeting, USEPA expressed concern that site constituents may become re-distributed as a result of groundwater recovery efforts. A comparative review of the Winter 1999 data to the Spring 2001 data indicates no significant changes in groundwater quality, other than a general potential decline in total VOC concentrations in Sets A and C, and a potential increase in VOC concentration in some Set B wells, despite the fact that over 18 million gallons of groundwater had been extracted over that period.

Based on these observations, O'Brien & Gere proposes that the Summer 2001 round of groundwater sampling be consistent with that proposed in the June 26, 2000 letter, as summarized on Table 2. However, in recognition of the potential increases occurring in some of the Set B wells, as well as the fact that wells 10, 10A, and 10B were not sampled during Winter 1999, O'Brien & Gere proposes augmenting the list, as also shown on Table 2. The proposed program will result in the sampling of 32 wells and Westbay ports, which remains a significant effort.

We appreciate your consideration of this proposal. In order that we may undertake the Summer 2001 Round on or close to schedule, we would also appreciate your prompt review of this letter. Please call me or Jim O'Loughlin of Mabbett & Associates, Inc., if you have any comments on this letter, or if we can provide any additional information.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC

James R. Heckathorne, PE
Vice President

cc:

S. Wood	D. Allen	R. Carey	G. Swenson
E. Bertaut	D. Dwight	M. Wade	J. O'Loughlin
R. Connors			

TABLE 1
SULLIVAN'S LEDGE SUPERFUND SITE
SUMMARY OF INFLUENT LABORATORY ANALYTICAL RESULTS[1]

	GROUND WATER COLLECTION TRENCH				RECOVERY WELL OBG-1				RECOVERY WELL OBG-2				RECOVERY WELL OBG-3			
	Event #1	Event #2	Event #3	Event #4	Event #1	Event #2	Event #3	Event #4	Event #1	Event #2	Event #3	Event #4	Event #1	Event #2	Event #3	Event #4
Sample Date	12/15/99	1/27/00	6/29/00	03/21/01	12/29/99	1/27/00	6/29/00	3/21/01	12/29/99	1/28/00	6/29/00	3/21/01	12/29/99	1/27/00	6/29/00	3/21/01
PCBs (ug/l)	2.4	3.2	4.5	LT 0.50	3.7	4.9	10	29.6	5.9	7.6	5.3	1.01	LT 0.50	LT 0.50	LT 0.51	LT 0.50
Benzene (ug/l)	110	110	140	90	290	360	LT 500	270	LT 500	LT 500	400	390	LT 500	66	LT 120	56
Toluene (ug/l)	70	190	53	LT 1.5	650	620	970	770	LT 500	LT 500	120	140	LT 500	36	LT 120	LT 75
E-Benzene (ug/l)	12	12	21	3.8	750	610	920	720	LT 500	LT 500	86	140	LT 500	LT 25	LT 120	LT 50
Xylene (ug/l)	16	16	23	12.1	LT 50	LT 50	LT 500	LT 100	LT 500	LT 500	LT 50	42	LT 500	LT 25	LT 120	LT 50
TCE (ug/l)	LT 0.5	LT 5.0	LT 5.0	1.4	4000	5400	7400	2100	670	540	350	82	7100	4300	1800	450
1,2 DCE (ug/l)	1.9	LT 5.0	LT 5.0	3.1	26000	16000	13000	13000	19000	11000	3200	4800	9200	4900	3500	3600
V.Chloride (ug/l)	LT 1.0	LT 10	LT 10	LT 2.0	1200	820	LT 1000	550	2300	1100	390	430	LT 1000	180	LT 250	180
Chlorobenzene (ug/l)	100	120	110	72	LT 50	LT 50	LT 500	LT 350	LT 500	LT 500	220	250	LT 500	44	LT 120	LT 180
Chloroform (ug/l)	LT 0.50	LT 5.0	LT 5.0	LT 1.5	LT 50	LT 50	LT 500	LT 150	LT 500	LT 500	LT 50	LT 38	LT 500	LT 25	LT 120	LT 75
Acetone (ug/l)	LT 10	LT 100	LT 100	LT 10	LT 1000	LT 1000	LT 10000	LT 1000	LT 10000	LT 10000	LT 1000	LT 250	LT 10000	LT 500	LT 2500	LT 500
Acrolein (ug/l)	NA	NA	LT 5.0	LT 25	NA	NA	LT 500	LT 2500	NA	NA	LT 50	LT 620	NA	NA	LT 120	LT 1200
Arsenic (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	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.01	LT 0.01	LT 0.01	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	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 0.02	LT 0.01	NA	NA	LT 0.01	LT 0.01	NA	NA	LT 0.01	LT 0.01	NA	NA	LT 0.01	LT 0.01	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	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.03
Cyanide (mg/l)	0.09	0.062	NA	NA	0.16	0.16	NA	NA	0.18	0.12	NA	NA	0.02	0.028	NA	NA
Iron (mg/l)	NA	86	79	83	NA	41	40	46	NA	71	74	73	NA	41	53	53
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	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.016
Manganese (mg/l)	NA	1.8	1.4	1.8	NA	9.7	8.6	7.9	NA	6.9	5.8	6.5	NA	8.9	9.8	8.3
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0002	LT 0.0002	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	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025
Silver (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	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Zinc (mg/l)	LT 0.01	LT 0.01	0.01	0.07	LT 0.01	0.02	0.02	LT 0.05	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.01	0.01	LT 0.01	0.15
SVOC'S (ug/l)	63	70	NA	73.1	79	55	NA	122.5	217	255	NA	371.3	ND	18	NA	16
Pesticides	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA

	RECOVERY WELL BEI-1				RECOVERY WELL BEI-2				RECOVERY WELL BEI-3			
	Event #1	Event #2	Event #3	Event #4	Event #1	Event #2	Event #3	Event #4	Event #1	Event #2	Event #3	Event #4
Sample Date	(2)	1/27/00	6/29/00	3/21/01	12/29/99	1/27/00	6/29/00	3/21/01	12/29/99	1/27/00	6/29/00	3/21/01
PCBs (ug/l)	(2)	2.0	5.2	0.953	8.2	7.8	3.0	LT 0.5	3.3	3.4	4.5	0.867
Benzene (ug/l)	(2)	68	LT 500	LT 100	230	LT 250	LT 120	120	LT 5	LT 500	LT 250	LT 50
Toluene (ug/l)	(2)	360	990	960	2200	940	240	76	LT 5.0	LT 500	LT 250	LT 75
E-Benzene (ug/l)	(2)	700	1000	1100	4000	1700	430	290	6.7	LT 500	LT 250	LT 50
Xylene (ug/l)	(2)	LT 50	LT 500	LT 100	87	LT 250	LT 120	LT 50	LT 5.0	LT 500	LT 250	LT 50
TCE (ug/l)	(2)	7500	17000	13000	3600	4200	800	160	14000	13000	7200	2600
1,2 DCE (ug/l)	(2)	21000	11000	12000	77000	30000	8400	7400	590	1400	2900	3400
V.Chloride (ug/l)	(2)	650	LT 1000	490	8200	3900	1000	840	17	LT 1000	LT 500	LT 100
Chlorobenzene (ug/l)	(2)	LT 50	LT 500	LT 350	80	LT 250	LT 120	LT 180	LT 5.0	LT 500	LT 250	LT 180
Chloroform (ug/l)	(2)	LT 50	LT 500	LT 150	LT 50	LT 250	LT 120	LT 75	LT 5.0	LT 500	LT 250	LT 75
Acetone (ug/l)	(2)	LT 1000	LT 10000	LT 1000	LT 1000	LT 5000	LT 2500	LT 500	LT 100	LT 10000	LT 5000	LT 500
Acrolein (ug/l)	(2)	NA	LT 500	LT 2500	NA	NA	LT 120	LT 1200	NA	NA	LT 250	LT 1200
Arsenic (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.012	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005
Chromium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	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	LT 0.01	LT 0.01	NA	NA	LT 0.01	LT 0.01	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	LT 0.01	LT 0.01
Cyanide (mg/l)	(2)	0.019	NA	NA	0.01	0.049	NA	NA	LT 0.01	LT 0.01	NA	NA
Iron (mg/l)	(2)	26	47	45	NA	55	210	58	NA	1.4	0.88	1.3
Lead (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.022	0.006	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	(2)	4.4	10	10	NA	9.2	7.9	7.8	NA	1.6	3.5	5.3
Mercury (mg/l)	(2)	LT 0.0002	NA	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005
Molybdenum (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	0.06	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.025	LT 0.05	LT 0.05	LT 0.0[illegible]	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025
Silver (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	LT 0.01	LT 0.01
Zinc (mg/l)	(2)	LT 0.01	LT 0.01	0.06	LT 0.01	LT 0.01	LT 0.0[illegible]	LT 0.05	0.01	0.02	0.01	0.14
SVOC'S (ug/l)	(2)	68	NA	67.9	101	72	NA	74.2	ND	ND	NA	ND
Pesticides	(2)	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories.
   Samples for event 4 collected by Mabbett & Associates, Inc. and analyzed by Alpha Analytical Labs
2. Well inoperative on day of sampling
3. TTO less than 2000 ug/l
4. Constituent specific
5. ND = Not Detected
6. NA = Not Analyzed
7. LT = Less Than

Compiled by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc
20015Table 1

6/15/2001

TABLE 2
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER ANALYSIS
ORGANIC COMPOUND SUMMARY[1]
PROPOSED ANALYTICAL PROGRAM FOR SUMMER 2001 ROUND[2]

Monitoring Well	Location		Total Volatile Organic Compounds (ug/l)			Total PCBs (ug/l)			Total Semivolatile Organic Compounds (ug/l)			TAL Metals	
	Set[3]	Group	Winter 1999	Spring 2001	Summer 2001	Winter 1999	Spring 2001	Summer 2001	Winter 1999	Spring 2001	Summer 2001	Spring 2001	Summer 2001
MW - 16	B	Overburden	5.1	ND	XX	0.90	ND	XX	ND	ND		Yes	XX
MW - 15	B	Overburden	14.5	126.9	XX	1.50	3.70	XX	8.8	6.0		Yes	XX
MW - 14	B	Overburden	639.5	965.0	XX	0.83	ND	XX	91.6	63.1		Yes	XX
ECJ-3 (51)	B	Shallow Bedrock	NS	15.0		NS	ND		NS	ND		Yes	
ECJ-3 (91)	B	Shallow Bedrock	NS	ND		NS	ND		NS	ND		Yes	
MW - 24	B	Shallow Bedrock	3843.3	6530.0	X	47.00	36.70	X	66.9	39.8		Yes	
MW - 2	B	Shallow Bedrock	3440.0	2181.0	XX	17.00	8.61	XX	134.6	47.5		Yes	
ECJ-3 (126)	B	Intermed Bedrock	NS	ND		NS	ND		NS	ND		Yes	
MW - 13A	A	Overburden	28.8	10.2	X	0.31	ND		ND	ND		Yes	X
MW-12AR	A	Overburden	NS	205.5	X	NS	ND		NS	47.9		Yes	X
MW - 22A	A	Overburden	1782.0	539.2	X	25.20	ND	X	2231.3	229.7		Yes	X
MW - 13	A	Shallow Bedrock	991.6	7.1	XX	0.26	ND		ND	ND		Yes	
MW - 17	A	Shallow Bedrock	36.4	1.2	X	ND	ND		15.0	ND		Yes	
MW - 12	A	Shallow Bedrock	104.1	NS	X	0.27	NS		25.8	NS		NS	
GCA - 1	A	Shallow Bedrock	13946.0	172.9	X	14.00	ND	X	247.4	26.6		Yes	
ECJ 1 (37)	A	Shallow Bedrock	2297.6	109.0	X	1.10	2.85	XX	36.1	ND		Yes	
ECJ 1 (62)	A	Shallow Bedrock	72950.1	9410.0	X	0.52	0.75	XX	118.0	ND		Yes	
ECJ 1 (72)	A	Shallow Bedrock	145337.1	26780.0	X	ND	ND		152.4	21.0		Yes	
ECJ 1 (122)	A	Intermed Bedrock	71911.5	8532.0	X	ND	ND		100.5	188.9		Yes	
ECJ 1 (148)	A	Intermed Bedrock	36477.2	74600.0	X	0.44	ND		109.4	182.6		Yes	
ECJ 1 (267)	A	Deep Bedrock	160.5	52.1	X	ND	ND		5.9	ND		Yes	
MW - 6A	C	Overburden	1835.1	314.5	X	0.12	ND	X	4.6	ND		Yes	X
MW - 4A	C	Overburden	1.8	ND	X	ND	ND		ND	ND		Yes	X
MW - 5A	C	Overburden	ND	ND	X	ND	ND		ND	ND		Yes	X
MW - 6	C	Shallow Bedrock	4837.2	2950.0	X	ND	ND		5.6	ND		Yes	
ECJ 2 (47)	C	Shallow Bedrock	2533.0	1920.0	X	ND	ND		3.2	ND		Yes	
MW - 4	C	Shallow Bedrock	1271.9	1034.2	X	ND	ND		ND	ND		Yes	
MW - 5	C	Shallow Bedrock	ND	6.8	X	ND	ND		ND	ND		Yes	
ECJ 2 (82)	C	Intermed Bedrock	15942.0	16080.0	X	ND	ND		4.4	ND		Yes	
ECJ 2 (117)	C	Intermed Bedrock	55380.0	29730.0	X	ND	ND		8.8	ND		Yes	
ECJ 2 (152)	C	Intermed Bedrock	400.4	4594.0	X	ND	ND		ND	9.0		Yes	
ECJ 2 (187)	C	Deep Bedrock	3605.8	4440.0	X	ND	ND		2.6	9.8		Yes	
MW-10A	D	Overburden	NS	8.6	XX	NS	ND		NS	ND		Yes	X
MW - 8A	D	Overburden	ND	ND		ND	ND		ND	ND		Yes	
MW-10	D	Shallow Bedrock	NS	12.9	XX	NS	ND		NS	ND		Yes	
MW-10B	D	Shallow Bedrock	NS	13.6	XX	NS	ND		NS	ND		Yes	
MW - 8	D	Shallow Bedrock	ND	ND		ND	ND		ND	ND		Yes	
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND		ND	ND		ND	ND		Yes	
ECJ 4 (87)	D	Intermed Bedrock	0.6	0.7		ND	ND		ND	ND		Yes	
ECJ 4 (132)	D	Intermed Bedrock	1.5	ND		ND	ND		ND	ND		Yes	
ECJ 4 (162)	D	Intermed Bedrock	16.7	11.8		ND	ND		3.5	ND		Yes	
ECJ 4 (227)	D	Deep Bedrock	7.0	4.3		ND	ND		ND	ND		Yes	
ECJ 4 (245)	D	Deep Bedrock	15.4	5.1		ND	ND		ND	ND		Yes	

Notes:

1. Winter 1999 samples collected by O'Brien & Gere Engineers, Inc. and analyzed by OBG Laboratories.
   Spring 2001 samples collected by Mabbett & Associates, Inc. and analyzed by Alpha Analytical, Inc.
2. "X" indicates analysis originally proposed in O'Brien & Gere Engineers, Inc. letter dated June 26, 2000 based on results of Winter 1999 Round.
   "XX" indicates additional proposed analysis.
3. 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).

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
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REGION 1
1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

June 22, 2001

RECEIVED
JUN 2 0 2001
MABBETT & ASSOC., INC.

Mr Jim Heckathorne
O'Brien and Gere Engineers
OU 1 Project Coordinator
Sullivan's Ledge Superfund Site
PO Box 4873
5000 Brittonfield Parkway
Syracuse, NY 13221

Re: Response to May 18, 2001 request to modify Sullivan's Ledge GW Monitoring Program

Dear Jim:

Thank you for your letter dated May 18,2001 in which you requested modification of the groundwater monitoring program for the Sullivan's Ledge Site on behalf of the Sullivan's Ledge group.

I have discussed this matter with both Steve Wood and Jim O'Loughlin and agreed that the semi-volatile constituents can be deleted from this round of sampling (Summer 2001) because they are less mobile than other constituents, have not been found in very high concentrations, and the resulting data are not related to performance standards for operation of the groundwater treatment plant. I have discussed this modification with Bob Carey of the City of New Bedford and he has no objections to this change. EPA, after consultation with the MA DEP has determined that the SVOC sampling for the summer 2001 round is not required per Section V.C.2(h) of the OU I Statement of Work.

However, at this time EPA can not approve the remainder of the proposal to scale back the monitoring protocol as specified in the SOW.

In addition, EPA and DEP would like to discuss the identification of the OU1 and O&M CD points of compliance for groundwater with the Sullivan's Ledge Site Group and the City of New Bedford. Any future plan for modifying the monitoring program should take into consideration these compliance points and the need for determination of eventual compliance with the groundwater performance standards.

Please let me know if you wish to discuss this matter by calling me at 617-918-1325.

Sincerely,

David O. Lederer
Remedial Project Manager

cc: Jim O'Loughlin, Mabbett and Associates
Bob Carey, CNB
Steve Wood, OU I PMC
Dorothy M. Allen, MA DEP
Edgard Bertaut, OU I PMC Chairman
Don Dwight, M&E
Leann Jensen, EPA

Sullivan's Ledge Site Group
Project Management Committee

Stephen Wood
272 West Exchange Street, Suite 101
Providence, RI 02903
Telephone (401) 421-0398 Ext. 130
Fax (401) 421-5731
swood@essgroup.com

November 1, 2001

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

RE: Westbay Monitoring Well ECJ-3

Dear Mr. Lederer:

As you are aware, during the Baseline Groundwater Monitoring sampling conducted in the winter of 1999, monitoring well ECJ-3 was found to be blocked by an obstruction. Harding ESE, at the PMC's request, attempted to ascertain the nature of the blockage and to remove it. As described in the attached memo from Harding ESE dated October 17, 2001, they were able to clear the well to a depth of approximately 221 feet. During the September 2001 sampling event, Mabbett & Associates was able to sound the well to a depth of 235 feet and sample the upper four ports.

O'Brien & Gere, at the request of the PMC, reviewed the information available regarding ECJ-3 and provided the attached letter dated October 18, 2001. Based on their review, O'Brien & Gere has recommended for a number of reasons outlined in their letter, no further action be taken to clear the well and that replacement is not warranted or justified.

After review of the above correspondence from Harding ESE and O'Brien & Gere, the PMC is in agreement with O'Brien & Gere's recommendation and therefore plans no further action to clear monitoring well ECJ-3 or to replace the well.

Please feel free to call me at (401) 421-0398 extension 130 if you have any questions.

Sincerely:

Stephen Wood
Project Management Committee

Attachment

cc: R. Connors - PMC
J. O'Loughlin – M&A
E. Bertaut - PMC
J. Heckathorne - OBG Syracuse
E. Vaughan, DEP
G. Olson, Esq.- P&D

J:\S315-000\EPA\ECJ-3I Transmittal 11-1.doc

O'BRIEN & GERE ENGINEERS, INC.

October 18, 2001

Mr. Stephen B. Wood
Sullivan's Ledge Site Group
c/o ESS
272 West Exchange Street, Suite 101
Providence, RI 02903

Re: Sullivan's Ledge Superfund Site
Westbay Monitoring Well ECJ-3
File: 5509.005 #2

Dear Steve:

We are writing concerning the attached recommendation from Harding-ESE concerning Westbay monitoring well ECJ-3.

As you are aware, ECJ-3 is located in the southwest corner of the Disposal Area, and is an upgradient well. The upper casing of this well was extended by approximately 12 ft during construction of the Disposal Area cap. Historically, six ports in ECJ-3 have been monitored. Approximate port depths, both before and after casing extension, are as follows:

Port Depth (ft)	
Prior to Extension	Current Depth
51	63
91	103
126	138
146	158
236	248
271	283

As discussed in the report entitled "Post-Construction Baseline Ground Water Sampling Event" (O'Brien & Gere, April 2000), it became apparent during the winter of 1999 that ECJ-3 had been blocked by an obstruction. As described in the attached memorandum dated October 17, 2001, Harding-ESE has made multiple attempts to clear the obstruction, with the result that on July 18, 2001, Harding-ESE indicated that ECJ-3 was clear to depth of approximately 221 ft, but that a 50-ft rod with a length of rope remained lodged in the well.

Mabbett & Associates, Inc. (M&A) sounded the well on September 18, 2001, and was able to sound to a depth of approximately 235 ft. Although M&A was able to sample the upper four ports during the Fall 2001 sampling event, the lower two ports of ECJ-3 were not clear for sampling. Note that because a string of Westbay sample bottles can vary in length from 3 to 6 ft, it would be necessary for ECJ-3 to be cleared to a depth of approximately 251 ft to be able to sample the next port.

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

As discussed in Harding-ESE's memorandum, further efforts to clear the well do not appear feasible. Moreover, further efforts to clear the well could result in damage to the well, or in upper ports being blocked if the rod becomes re-lodged higher in the well during removal attempts. As indicated in past correspondence to EPA, because ECJ-3 is an upgradient well, and contains relatively low concentrations of site contaminants, it is unlikely that the data from ECJ-3 will be used to make remedial decisions. Based on these factors, O'Brien & Gere recommends that no further action be taken to clear ECJ-3. Further efforts, even if successful, would result in the generation of data of little, if any value. Likewise, replacement of the well is not warranted or justified.

Please contact me or Jim O'Loughlin (781-275-6050) if we can provide any additional information concerning this issue. Otherwise, please forward this recommendation to EPA.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James R. Heckathorne, PE
Vice President

I:\DIV71\Projects\5509005\2_correspondence\WOOD-201.doc
Attachment

cc: E. Bertaut J. O'Loughlin
R. Connors G. Swenson

Harding ESE

Sullivan's Ledge #C47968
New Bedford MA

October 17, 2001

Memo

To: Jim Heckathorne
O'Brien & Gere

From: R. Travis Canon
Project Engineer R. Travis Canon

Subject: ECJ-3: Unknown Object, Pipe, and Rope in Well

On three different occasions, October 4, 2000, Feb-March 2001, and July 16-17, 2001, Harding ESE attempted to discover and remove an unknown object stuck in well ECJ-3 at 48-49 ft. Below is a bulleted list of these three attempts:

- On the first attempt, Harding mostly poked and prodded on the object with no noticeable effect in moving it. This attempt was mostly exploratory in nature.

- On the second attempt, Harding was successful in dislodging the object and pushing it to the bottom of the well. Techniques and tools used in combination to dislodge this object were down-hole video camera, flushing the well, banging on it, and finally using a ceramic bit welded onto 50 ft of ½-inch, threaded steel pipe used as a drill. Initially the object broke up, sank 20-30 ft, and jammed. With the 50 ft of pipe attached to nylon rope, the field crew chased the object to the bottom of the well. Unfortunately the ½-inch pipe stuck in the well at about 200 ft and again at 250 ft.

  Harding was unsuccessful in moving the pipe up or down and eventually snapped the rope with a backhoe, leaving the 50 ft of pipe and about 100 ft of rope at the bottom of the well. Afterwards, Harding was able to remove about 25 ft of rope in two days before ceasing work. Top of rope was estimated to be at 190-200 ft deep. ECJ-3 was video taped, transmittal T-190, to check for damage and blockages; none were observed.

- On the third attempt, Harding's main objective was to remove more rope in an effort to unblock a sampling port. The crew removed about 25-35 ft of rope, leaving top of rope at about 221 ft down the well. The 50 ft of pipe and about 45 ft of rope remain in the well.

In early October 2001, a Mabbett field crew sounded the well to a depth of approximately 235 ft.

Harding does not believe it is feasible or productive to try to remove the steel pipe. The overlying rope is not strong enough to move it (even an inch), and the rope breaks into 5-8 ft pieces when pulled on by a backhoe. Even if the length of rope were removed, it would be difficult to latch onto the top of the eye bolt at the top of the pipe, due to the knots for the rope. Harding ESE is also concerned about the potential to damage the well by continuing to attempt to physically remove the pipe.

CC: Jim O'Loughlin, Mabbett
Jerry Johnson, Harding
ECJ-3 File

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 7, 2001

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 wells, Westbay wells, and recovery points on December 4, 2001.

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 on October 25, 2001.

Please call me if I can provide any further information, or if you have any questions concerning the collected data.

Very truly yours,

MABBETT & ASSOCIATES, INC.

BY:

James M. O'Loughlin, P.E., LSP
Senior Project Manager

JMO/tw

Enclosure: Table 1 – Groundwater Elevations
Table 2 – Westbay Well Groundwater Elevations
Table 3 – Groundwater Elevations – Recovery Points

cc: S. Wood G. Swenson R. Connors E. Bertaut
JMO, MAS (MF/RF)

df: DAC, PDS

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Table 1
Sullivan's Ledge Superfund Site
Groundwater Elevations - Conventional Wells
December 4, 2001

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	15.10	12/4/2001	68.96	(1)
MW-2	101.81	Plastic Cap	SITEC 08/10/01	19.34	12/4/2001	82.47	(1)
MW-4	90.17	Top pipe	SITEC 08/10/01	9.40	12/4/2001	80.77	
MW-4A	90.10	Top of PVC	SITEC 08/10/01	--	12/4/2001		(5)
MW-5	82.79	Top pipe	SITEC 08/10/01	8.96	12/4/2001	73.83	
MW-5A	82.30	Top of PVC	SITEC 08/10/01	8.58	12/4/2001	73.72	
MW-6	73.81	Top pipe	SITEC 08/10/01	6.45	12/4/2001	67.36	
MW-6A	73.54	Top of PVC	SITEC 08/10/01	6.12	12/4/2001	67.42	
MW-7A	66.91	Top of PVC	SITEC 08/10/01	--			(6)
MW-8	69.97	Top pipe	SITEC 08/10/01	3.79	12/4/2001	66.18	
MW-8A	70.00	Top of PVC	SITEC 08/10/01	4.32	12/4/2001	65.68	
MW-9A	66.53	Top of PVC	SITEC 08/10/01	--			(6)
MW-10	68.20	Top pipe	SITEC 08/10/01	2.25	12/4/2001	65.95	
MW-10A	70.54	Top of PVC	SITEC 08/10/01	5.00	12/4/2001	65.54	
MW-10B	68.35	Top pipe	SITEC 08/10/01	2.39	12/4/2001	65.96	
MW-12	83.91	Top of PVC	SITEC 08/10/01	--			(2)
MW-12A	84.15	Top of PVC	SITEC 08/10/01	14.24	12/4/2001	69.91	
MW-12AR	85.04	Top of PVC	SITEC 08/10/01	--	12/4/2001		(5)
MW-13	89.49	Plastic Cap	SITEC 08/10/01	17.31	12/4/2001	72.18	(1)
MW-13A	89.48	Top of PVC	SITEC 08/10/01	17.25	12/4/2001	72.23	
MW-14	101.46	Top of PVC	SITEC 08/10/01	18.78	12/4/2001	82.68	
MW-15	112.31	Top of PVC	SITEC 08/10/01	21.34	12/4/2001	90.97	
MW-16	120.55	Top of PVC	SITEC 08/10/01	21.85	12/4/2001	98.70	
MW-17	92.56	Top of PVC	SITEC 08/10/01	26.20	12/5/2001	66.36	(4)
MW-22A	85.00	Top of PVC	SITEC 08/10/01	--	12/4/2001		(8)
MW-24	112.23	Plastic Cap	SITEC 08/10/01	20.54	12/4/2001	91.69	(1)
PZ-1	66.73	Top of PVC	SITEC 08/10/01	--			(6)
PZ-2	65.91	Top of PVC	SITEC 08/10/01	3.18	12/4/2001	62.73	(6)
PZ-3	65.91	Top of PVC	SITEC 08/10/01	3.95	12/4/2001	61.96	(6)
PZ-5/WP-5	67.01	Top of PVC	SITEC 08/10/01	--			(6)
PZ-6	68.06	Top of PVC	SITEC 08/10/01	5.07	12/4/2001	62.99	
PZ-10	85.72	Top of PVC	SITEC 08/10/01	25.50	12/4/2001	60.22	
PZ-11	73.79	Top of PVC	SITEC 08/10/01	6.11	12/4/2001	67.68	
PZ-12	82.46	Top of PVC	SITEC 08/10/01	22.38	12/4/2001	60.08	
PZ-13	73.28	Top of PVC	SITEC 08/10/01	5.72	12/4/2001	67.56	
PZ-West (14A)	86.73	Top of PVC	SITEC 08/10/01	--	12/4/2001		(8)
PZ-East (15A)	85.98	Top of PVC	SITEC 08/10/01	--	12/4/2001		(8)
PZ-16 (Shal)				6.09	12/4/2001		(7)
PZ-16 (Inter)				9.64	12/4/2001		(7)
PZ-16 (Deep)				8.10	12/4/2001		(7)
PZ-17 (Shal)				6.84	12/4/2001		(7)
PZ-17 (Inter)				14.52	12/4/2001		(7)
PZ-17 (Deep)				14.94	12/4/2001		(7)
PZ-18 (Shal)				9.00	12/4/2001		(7)
PZ-18 (Inter)				9.50	12/4/2001		(7)
PZ-18 (Deep)				9.03	12/4/2001		(7)
PZ-19	64.89	Top of PVC	HLA 10/25/01	-	12/4/2001		(6)
PZ-20	65.38	Top of PVC	HLA 10/25/01	-	12/4/2001		(6)
PZ-21	65.48	Top of PVC	HLA 10/25/01	2.77	12/4/2001		
PZ-22	67.38	Top of PVC	HLA 10/25/01	4.11	12/4/2001		
ECJ-1		Top of PVC	SITEC 08/10/01	--			(3)
ECJ-2		Top of PVC	SITEC 08/10/01	--			(3)
ECJ-3		Top of PVC	SITEC 08/10/01	--			(3)
ECJ-4		Top of PVC	SITEC 08/10/01	--			(3)

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. See Table 2 for information on Westbay wells.
4. Measurement taken on 12/05/01.
5. Top of pump in well obstructed the depth to groundwater.
6. No measurement taken.
7. Top of casing not surveyed.
8. Well dry.

Table 2
Sullivan's Ledge Superfund Site
Westbay Well Groundwater Elevations
December 4, 2001

Well	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	35	40.4	17.80	18.29	1.13	35.17	34.04	89.81	55.77
ECJ-1	60	65.5	28.77	34.25	12.64	35.17	22.53	89.81	67.28
ECJ-1	70	75.6	33.13	33.63	1.15	35.17	34.02	89.81	55.79
ECJ-1	120	125.6	54.96	54.65	-0.72	35.17	35.89	89.81	53.92
ECJ-1	145	150.1	65.85	65.50	-0.81	35.17	35.98	89.81	53.83
ECJ-1	265	271.0	118.10	127.92	22.65	35.17	12.52	89.81	77.29
ECJ-2	47	47.1	29.56	33.16	8.30	14.67	6.37	72.31	65.94
ECJ-2	82	82.3	44.76	48.31	8.19	14.67	6.48	72.31	65.83
ECJ-2	117	117.1	59.75	NM		14.67		72.31	
ECJ-2	152	152.1	74.21	75.04	1.91	14.67	12.76	72.31	59.55
ECJ-2	187	187.1	88.11	88.88	1.78	14.67	12.89	72.31	59.42
ECJ-3	51	63.1	14.90	29.34	33.31	72.16	38.85	120.74	81.89
ECJ-3	91	103.2	29.01	46.62	40.62	72.16	31.54	120.74	89.20
ECJ-3	126	137.9	44.27	61.80	40.44	72.16	31.72	120.74	89.02
ECJ-3	146	157.8	53.00	70.55	40.48	72.16	31.68	120.74	89.06
ECJ-4	62	61.1	31.89	35.30	7.87	23.69	15.82	70.59	54.77
ECJ-4	87	87.7	43.23	51.08	18.11	23.69	5.58	70.59	65.01
ECJ-4	132	132.6	62.86	70.76	18.22	23.69	5.47	70.59	65.12
ECJ-4	162	162.8	75.91	83.76	18.11	23.69	5.58	70.59	65.01
ECJ-4	227	227.1	103.97	111.77	17.99	23.69	5.70	70.59	64.89
ECJ-4	247	242.0	110.41	NM		23.69		70.59	

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. NM = Not Measured (Unable to latch on to port.)

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 4, 2001

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	30.00	12/4/2001	61.40	(1)
OBG-1	88.96	Top Cover	SITEC 08/10/01	33.10	12/4/2001	55.86	(1)
OBG-2	85.65	Top Cover	SITEC 08/10/01	37.40	12/4/2001	48.25	(1)
BEI-2	88.06	Top Cover	SITEC 08/10/01	50.74	12/4/2001	37.32	(1)
OBG-3	90.56	Top Cover	SITEC 08/10/01	35.40	12/4/2001	55.16	(1)
BEI-3	92.71	Top Cover	SITEC 08/10/01	43.61	12/4/2001	49.10	(1)
SCTPS	86.02	Top, East Side	SITEC 05/10/99	17.35	12/4/2001	68.67	(2)
IW-E	84.32	Top of Casing	SITEC 08/10/01	25.32	12/4/2001	59.00	
IW-W	88.79	Top of Casing	SITEC 08/10/01	28.90	12/4/2001	59.89	

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. SCTPS = Shallow Collection Trench Pump Station

Appendix C

Conventional Low-flow Ground Water Sampling Logs

Low Flow Ground Water Sampling Log

Date	12/4/01	Personnel	MAS/JAD	Weather	sunny
Site Name	Sullivan's	Evacuation Method	Bladder Pump	Well #	GCA-1
Site Location	N. Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 15.05 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	15.28	13.42	6.46	855	-144.7	1.86	4.9	400
5	15.18	13.42	6.45	878	-150.5	1.33	3.6	250
10	15.22	13.4	6.44	869	-150.9	1.20	4.4	375
15	15.22	13.31	6.44	852	-151.0	1.30	3.7	375
20	15.22	13.31	6.44	864	-150.9	1.24	4.0	375
25	15.22	13.31	6.44	862	-150.6	1.07	4.2	375
30	15.22	13.32	6.44	841	-150.9	0.90		375

Water sample:

Time collected: 16:15

Total volume of purged water removed: 3.5 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
as before					
1L	Glass Amber	2	n	n	PCBs
0.5L	Plastic	1	n	HNO3	metals
100mL	Vial	2	n	HCl	VOCs

Notes: Air bubbles in VOA

OVM reading 1.6 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-3-01	Personnel	MAS JAD	Weather	Sunny, Mild
Site Name	Sullivan's Ledge	Evacuation Method	Bladder pump	Well #	MW-3
Site Location	New Bedford	Sampling Method	Low flow	Project #	20014.09

Well information:

Depth of Well * _____ ft.

Depth to Water * 19.35 ft.

Length of Water Column _____ ft.

* Measurements taken from

- [x] PVC casing 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	19.40	12.55	6.97	438	-122.6	4.12	4.38	200
5	19.44	12.88	6.89	823	-134.3	1.60	2.6	200
10	19.45	12.79	6.85	810	-133.1	1.60	2.6	200
15	19.45	12.71	6.87	805	-133.2	1.56	2.6	200
20	19.44	12.73	6.88	804	-133.0	1.65	1.5	200
25	19.44	12.75	6.87	803	-132.5	1.92	5.8	150
30	19.44	12.89	6.87	804	-133.1	1.99	6.7	200
35	19.43	12.68	6.87	800	-134.2	1.66	7.1	200
40	19.43	12.70	6.87	802	-135.1	1.53	4.8	200
45	19.46	12.70	6.87	802	-136	1.45	5.8	200
50	19.46	12.70	6.87	802	-135.4	1.28	4.5	200
55	19.47	12.70	6.87	802	-135.5	1.22	4.8	250
60	19.46	12.71	6.87	802	-135.8	1.18	6.3	200

Water sample:

Time collected: 13:30

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
1.0 L	Glass Amber	2	n	n	PCB's
100 mL	Vial	2	n	HCl	VOC's
0.5	Plastic	1	n	HNO_3	Metals

Notes:

OVM = 1.2 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/5/01	Personnel	MAS / TAD	Weather	Sunny
Site Name	Sullivans	Evacuation Method	Bladder Pump	Well #	~~MW-5~~ MW-4 (MB)
Site Location	N. Bedford	Sampling Method	low flow	Project #	2000015009

Well information:

Depth of Well * _____ ft.

Depth to Water * 9.49 ft.

Length of Water Column _____ ft.

* Measurements taken from

- PVC casing — 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	9.50	13.62	6.65	395	-132.8	2.47	1.50	100
5	9.50	13.65	6.62	441	-139.5	2.31	2.28	100
10	9.50	13.48	6.41	489	-142.4	1.96	0.86	100
15	9.51	13.42	6.62	497	-142.2	2.05	0.66	200
20	9.52	13.04	6.63	463	-138.6	1.46	0.44	200
25	9.53	12.94	6.64	414	-133.7	1.24	0.82	200
30	9.54	12.97	6.65	386	-131.4	1.29	0.66	250
35	9.54	12.98	6.64	370	-129.8	1.30	0.69	250

Water sample:

Time collected: 10:30

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
~~before~~					
100 mL	vial	2	no	HCl	VOC's
1 L	glass amber	2	n	n	PCB's
0.5 L	plastic	1	n	HNO_3	Metals

Notes:

Gvm 0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-5-9	Personnel	DHD MHS	Weather	Sunny, mild
Site Name	Sullivan's Ledge	Evacuation Method	Bladder pump	Well #	~~MW-5A~~ MW-4A
Site Location	New Bedford MA	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * — ft. Obstruction or top of pump in well could not measure depth to water

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		13.34	6.15	817	-79.7	1.57	12.78	350
5		13.39	5.95	846	-90.0	0.92	1.80	300
10		13.38	5.95	855	-93.1	1.45	0.95	300
15		13.44	5.94	854	-93.1	1.07	1.14	300
20		13.44	5.94	855	-93.1	1.09	1.12	300
25		13.50	5.94	856	-92.8	1.11	1.51	300
30		13.55	5.94	85300	-91.9	1.27	1.28	300

Water sample:

Time collected: 9:30

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
40ml	Vial	2	N	HCl	VOC's
500ml	Plastic	1	N	HNO_3	Metals
1 liter	Amber	2	N	none	PCB's

Notes:

OVM - 0.00 ppm
Mouse in well - blood on side!

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-5-01	Personnel	HD. MAS	Weather	Sunny. very mild
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	~~MW-4~~ MW-5 (MAS)
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 8.99 ft.

Length of Water Column _____ ft.

* Measurements taken from

PVC top	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	9.17.	14.43	7.07	1067	-20.0	1.13	24.8	300.
5	9.37.	13.80	7.12	1124	-21.0	0.98	19.7.	300
10	9.56.	13.75	7.13	1127	-18.2	0.85	8.88.	300
15	9.78.	13.72	7.14	1111	-14.8	1.04.	4.38.	250
20	9.95	13.74	7.14	1126	-11.5	0.94	~~[illegible]~~	275 3.68
25	10.09.	13.75	7.14	1124	-8.7	1.05	2.79	275.
30	10.20	13.74	7.14	1118	-6.5	1.04	2.58	250
35	10.34.	13.74	7.14	1124	-4.7	1.03	2.37.	275
40	10.42	13.78	7.13	1120	-3.4	0.88	2.22.	275

Water sample:

Time collected: 12.10

Total volume of purged water removed: 3 g.

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
(illegible) helpers					
1L	Glass Amber	2	n	n	PBS
0.5L	Plastic	1	n	HNO3	metals
100mL	Vial	2	n	HCl	VOCs

Notes:

OVM. 0.0 ppm.

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/5/01	Personnel	MAS/JAD.	Weather	Sunny, very mild
Site Name	Sullivan's Ledge	Evacuation Method	Bladder pump	Well #	~~MW-4A~~ MW-5A
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.09

Well information:

Depth of Well * _____ ft.

Depth to Water * 8.66 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	8.95	14.36	6.85	1041	56.8	5.98	2.66	450
5	8.97	13.76	5.77	1000	121.9	1.64	1.75	400
10	8.96	13.70	5.67	999	136.6	1.42	0.93	400
15	8.99	13.68	5.64	999	143.2	1.38	0.62	400
20	8.99	13.70	5.63	1000	147.0	1.35	0.59	400
25	8.98	13.69	5.62	999	151.2	1.32	0.50	400
30	8.99	13.69	5.62	1000	153.4	1.30	0.53	400

Water sample:

Time collected: 1300

Total volume of purged water removed: 3.5 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
1L	Glass Amber	2	n	n	PCBS
.5L	Plastic	1	n	HNO_3	Metals
100 ml	Vial	2	n	HCl	VOCs

Notes:

0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/5/01	Personnel	MAS/FAD	Weather	Sunny
Site Name	Sullivans Ledge	Evacuation Method	Bladder Pump	Well #	MW-6
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 6.53 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	6.58	13.30	6.90	964	-138.4	3.55	1.19	400
5	6.61	12.25	6.61	878	-119.3	2.00	1.11	400
10	6.63	12.22	6.60	881	-119.7	2.13	1.09	400
15		12.13	6.59	882	-119.3	1.58	0.86	400
20		12.07	6.59	879	-120.3	1.59	0.00	400
25		12.02	6.58	877	-120.5	1.48	0.00	400
30		11.99	6.57	877	-119.7	1.12	0.00	

Water sample:

Time collected: 1600

Total volume of purged water removed: 3.5 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
100ml	Vial	2	N	HCl	VOC's
500ml	Plastic	1	N	HNO3	Metals
1 Litre	Amber	2	N	None	PCB's

Notes:

OVM 0.00 ppm

Westbay Samplers needed depth to water indicator

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/5/01	Personnel	MAS/JAD	Weather	Sunny very mild
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 * 6.89 - steel casing

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	6.96	13.68	6.29	1056.0	-58.5	4.10	19.2	400
5	6.99	13.07	6.23	1021.0	-79.0	1.50	6.9	400
10	6.99	12.99	6.25	1020.0	-82.8	1.38	2.9	400
15	7.00	12.95	6.25	1010.0	-82.5	0.95	2.3	400
20	7.02	12.92	6.26	1022.0	-84.9	1.25	2.1	400
25	7.03	12.91	6.26	1018.0	-86.9	1.18	1.7	400
30	7.04	12.94	6.26	1026.0	-85.9	1.16	1.7	400

Water sample:

Time collected: 15 00

Total volume of purged water removed: 4 g.

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
100 ml	Vial	~~2~~ 4	N	HCl	VOC's
500 ml	Plastic	~~1~~ 2	N	HNO_3	Metals
1 liter	Amber	~~2~~ 4	N	None	PCB's

Notes:

Dup #3 collected here OVM 0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-6-01	Personnel	MAS/TLS	Weather	Cloudy, 50's
Site Name	SULLIVAN'S LEDGE	Evacuation Method	Bladder Pump	Well #	MW-8
Site Location	NEW BEDFORD	Sampling Method	LOW FLOW	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 3.73 ft.

Length of Water Column _____ ft.

* Measurements taken from

PVC cap	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).
0.00	3.72	11.98	7.41	934.00	22.8	1.83	115.6	400.0
5.00	3.75	11.79	6.66	963.00	-29.0	1.16	48.7	400.0
10.00	3.76	11.75	6.57	958.00	-3.0	1.39	51.4	400.0
15.00	3.78	11.75	6.56	956.00	12.1	1.70	78.7	400.0
20.00	3.77	11.76	6.55	956.00	12.0	1.79	135.4	400.0
25.00	3.75	11.75	6.55	952.00	5.9	1.86	2630.0	400.0
30.00	3.75	11.78	6.54	950.00	10.2	17.7	138.5	400.0
35.00	3.77	11.78	6.52	938.00	22.8	2.00	138.4	400.0
40.00	3.75	11.76	6.50	932.00	29.2	2.06	85.3	400.0
45.00	3.75	11.76	6.50	930.00	29.9	19.3	74.3	400.0
50.00	3.75	11.77	6.49	928.00	30.3	19.5	70.0	400.0
55.00	3.75	11.76	6.49	928.00	28.4	2.14	76.0	400.0
60.00	3.75	11.83	6.48	930.00	19.9	2.12	82.6	400.0

Water sample:

Time collected: 9:00

Total volume of purged water removed: ~ 2400 ml / 9 gal

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

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

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1000 ml	AMBER BOTTLE	2	NO	NONE	
500 ml	PLASTIC BOTTLE	1	NO	HNO_3	
40 ml	VIAL	2	NO	HCL	

Notes: OVM 0.0 ppmv @ 8:10 am

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/6/01	Personnel	TLS/MAS	Weather	SUNNY - 50'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 * 7.45 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 (PVC)	Temperature	pH	Conductivity	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0.00	7.45	12.55	6.50	905.0	51.6	1.80	--	400
5.00	9.35	12.54	6.43	906.0	56.8	2.38	184.0	800
10.00	9.05	13.99	6.12	921.0	60.7	2.34	2920.0	350
15.00	8.98	13.5	6.08	924.00	68.5	2.89	179	400
20.00	8.90	13.58	6.08	928.00	67.6	2.62	82.3	350
25.00	8.84	13.49	6.05	928	59.0	2.62	69.2	350
30	8.84	13.37	6.04	925	56.5	2.36	46.3	350
35	8.92	13.45	6.04	927	47.9	2.16	53.3	350
40	8.99	13.43	6.05	924	44.2	2.25	36.8	350
45	8.95	13.31	6.04	923	44.8	2.24	28.7	350
50	8.94	13.31	6.03	924	41.8	2.14	56.1	350
55	8.88	13.36	6.04	926	34.4	2.08	33.5	350
60	8.84	13.46	6.04	930	26.1	2.22	27.8	350

Water sample:

Time collected: 1130

Total volume of purged water removed: 9 gallons

Physical appearance at start
Color: Very Muddy
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
1.0L	Glass amber	2	n	n	PCB's
0.5L	plastic	1	n	HNO3	metals
100 mL	vial	2	n	HCl	VOC's

Notes:

OVM = 0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/6/01	Personnel	MAS/TLS	Weather	CLOUDY, 60'S
Site Name	SULLIVAN'S LEDGE	Evacuation Method	Bladder Pump	Well #	MW-10
Site Location	NEW BEDFORD	Sampling Method	LOW-FLOW	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 2.23 ft.

Length of Water Column _____ ft.

* Measurements taken from

PVC cap	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).
0.00	2.28	11.32	6.39	735.00	-415	3.05	372	350
5.00	2.30	11.7	6.35	849.00	-83.7	2.21	125	(5) ~~40~~ 325
10.00	2.31	11.11	6.37	856.00	-88.3	1.54	61.5	400
15.00	2.31	11.10	6.38	856.00	-89.8	0.63	55.4	400
20.00	2.31	11.08	6.38	854.00	-89.9	0.41	55.2	400
25.00	2.31	11.07	6.38	855.00	-90.2	0.31	50.4	400
30.00	2.31	11.05	6.38	854.00	-90.0	0.35	49.3	400
35.00	2.31	11.04	6.38	854.00	-89.9	0.25	36.3	400
40.00	2.35	11.02	6.38	853.00	-90.9	0.21	39.3	450
45.00	2.33	11.01	6.39	853.00	-91.0	0.18	34.2	500
50.00	2.30	11.00	6.39	853.00	-90.6	0.51	32.5	500
55.00	2.30	11.00	6.39	852.00	-90.1	0.36	32.7	400
60.00	2.35	10.99	6.39	851.00	-90.5	0.54	31.8	500

Water sample:

Time collected: 15:30

Total volume of purged water removed: 9 gallons

Physical appearance at start

Color: brown/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 L	Glass Bottles	2	N	NONE	PCB
500ml	Plastic Bottles	1	N	HNO_3	Metals
100ml	VOA Vials	2	N	HCL	VOC's (8260)

Notes:

OVM - 0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-6-01	Personnel	MAS	Weather	Very mild sunny windy
Site Name	Sullivan's Ledge	Evacuation Method	Bladder pump	Well #	MW-10B
Site Location	New Bedford, MA	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 2.31 ft.

Length of Water Column _____ ft.

* Measurements taken from

Steel casing

	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	2.41	13.00	6.68	850	-100.4	6.02	208	450
5	2.39	12.03	6.50	934	-130.4	1.04	155	400
10	2.41	12.08	6.44	933	-116.0	0.69	127	375
15	2.41	12.03	6.39	930	-103.7	0.65	142	375
20	2.43	11.99	6.35	927	-94.1	0.61	68.8	350
25	2.43	12.05	6.33	927	-88.9	0.77	51.8	350
30	2.43	12.11	6.30	927	-81.0	0.71	20.4	350
35	2.44	12.02	6.27	922	-73.3	0.34	11.8	350
40	2.44	12.00	6.24	920	-65.1	0.64	1.03	350
45	2.44	11.97	6.20	918	-57.1	0.46	7.33	350
50	2.44	11.95	6.19	916	-54.8	0.42	3.73	350
55	2.44	11.92	6.18	914	-53.6	0.49	5.01	350
60	2.44	11.89	6.17	912	-50.3	0.66		350

Water sample:

Time collected: 14:00

Total volume of purged water removed: 8.5 gallons

Physical appearance at start

Color: muddy brown

Odor: none

Sheen/Free Product: ~~none~~ slight sheen

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 L	glass amber	~~2~~ 4	n	n	PCB's
0.5 L	plastic	~~1~~ 2	n	HNO_3	metals
100 ml	glass	~~2~~ 4	n	HCl	VOC's

Notes:

OVM 0.00ppm Dup # 5 collected here

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-5-01	Personnel	MAS, PAD	Weather	Sunny
Site Name	Sullivan's Ledge	Evacuation Method	Bladder Pump	Well #	MW-12AR
Site Location	New Bedford, MA	Sampling Method	Low Flow	Project #	20000150009

Well information:

Depth of Well * _____ ft.

Depth to Water * 15.23 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).

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

Notes:

OVM 0.00 ppm - Could not purge - Water level below the top of pump
0.3' of water in well

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/4/01	Personnel	MAS / JAD	Weather	Warm / Sunny
Site Name	Sullivan	Evacuation Method	Bladder Pump	Well #	MW-13
Site Location	N Bedford	Sampling Method	Low Flow	Project #	200015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 17.36 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	17.32	13.89	6.64	658	-151.3	1.66	1.1	500
5	17.36	13.41	6.11	650	-131.8	1.03	0.6	~~500~~ 325
10	17.37	13.42	5.92	669	-128.9	1.52	0.7	325
15	17.38	13.38	6.06	638	-125.4	1.65	0.6	325
20	17.38	13.59	6.05	650	-123.1	2.18	0.5	325
25	17.38	13.42	6.06	661	-121.9	1.06	0.5	325
30	17.38	13.39	6.06	650	-122.0	0.85	0.5	325

Water sample:

Time collected: 14.00

Total volume of purged water removed: 3.5 g.

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~~
40ml	Vial	2	N	HCl	VOC's
500ml	Plastic	1	N	HNO_3	Metals
1 litre	Amber Glass	2	N	None	PCB's

Notes:

OVM = 1.8ppm

MSD & MS also collected

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/4/01	Personnel	MAS / TAD	Weather	Sunny
Site Name	Sullivans	Evacuation Method	Bladder Pump	Well #	MW-13A
Location	N. Bedford	Sampling Method	Low Flow	Project #	2000015.009

Well information:

Depth of Well * _____ ft.

Depth to Water * 17.21 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	17.21	14.43	6.32	633	-86.3	4.34	4.2	450
5	17.24	14.28	6.10	699	-99.6	1.00	1.0	450
10	17.24	14.24	6.10	696	-103.6	0.69	0.6	450
15	17.24	14.22	6.09	690	-105.9	0.68	0.6	400
20	17.24	14.23	6.09	693	-107.1	0.69	0.6	400
25	17.24	14.22	6.09	692	-108.9	0.75	0.6	400
30	17.24	14.23	6.09	690	-109.6	0.81	0.6	400

Water sample:

Time collected: 15:05

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
40mL	vial	2	n	HCl	VOC's
~~1L~~	~~glass amber~~				
1L	glass amber	2	n	~~[illegible]~~ none	pesticides
0.5L	~~HDPE~~ plastic	1	n	HNO_3	metals

Notes:

TVM - 600 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/3/01	Personnel	MAS / MD	Weather	Sunny
Site Name	Sullivan	Evacuation Method	Bladder Pump	Well #	MW-14
Site Location	New Bedford	Sampling Method	Low Flow	Project #	200015.007

Well information:

Depth of Well * _____ ft.

Depth to Water * 18.83 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	18.84	13.98	6.64	832	-53.9	3.72	3.2	400
5	18.88	13.54	6.39	824	-53.8	1.19	0.6	400
10	18.86	13.81	6.36	827	-55.6	0.68	0.0	400
15	18.88	13.78	6.38	831	-56.7	0.64	0.1	400
20	18.88	13.77	6.37	832	-57.4	0.51	0.6	400
25	18.88	13.73	6.38	827	-58.9	0.50	0.4	400
30	18.88	13.68	6.38	829	-60.2	0.47	0.4	400

Water sample:

Time collected: 1510

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
Overpack					
40mL	vial	2	n	HCl	VOCs
1L	glass amber	2	n	n	PCB's
0.5L	plastic	1	n	HNO_3	metals

Notes:

OVM - 0.0 ppm.

Dup #1 collected here

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/3/01	Personnel	MAS / IAD	Weather	Sunny
Site Name	Sandvault	Evacuation Method	Bladder Pump	Well #	MW-15
Site Location	MW-15	Sampling Method	Low Flow	Project #	2000005.009

Well information:

Depth of Well *		ft.	* Measurements taken from
Depth to Water *	21.40	ft.	PVC — Top of Well Casing
Length of Water Column		ft.	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	21.40	14.06	6.61	801	-36.1	3.55	1.12	400
5	21.41	14.22	6.43	836	-48.4	1.71	0.65	400
10	21.43	14.20	6.43	833	-50.6	1.51	0.17	400
15	21.43	14.20	6.44	832	-51.9	1.39	0.17	400
20	21.42	14.23	6.44	830	-52.8	1.51	0.15	400
25	21.40	14.24	6.45	824	-52.0	1.50	0.00	400
30	21.40	14.27	6.45	830	-51.9	1.22	0.00	400

Water sample:

Time collected: 10:10

Total volume of purged water removed: 4 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear with black particles	Color	clear with black particles
Odor	organic	Odor	organic
Sheen/Free Product	none	Sheen/Free Product	none

Samples collected:

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

Notes:

OVM - 0.00 ppm

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-3-01	Personnel	JMD JMAS	Weather	Sunny mild
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.	* Measurements taken from	
Depth to Water *	21.80	ft.	PVC	Top of Well Casing
Length of Water Column		ft.		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	21.80	14.32	6.41	844.00	64.2	0.63	1.04	400
5	22.00	14.72	6.06	850.00	45.2	0.33	0.35	420
10	21.92	14.72	6.00	851	40.4	0.27	0.21	400
15	22.02	14.76	5.98	852	36.9	0.35	0.24	400
20	22.02	14.82	5.98	853	35.3	0.23	0.02	350
25	22.03	14.85	5.97	854	33.6	0.20	0.05	400
30	22.04	14.81	5.98	853	34.2	0.30	-0.13	400

Water sample:

Time collected: 840

Total volume of purged water removed: 3.5 gallons

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

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
100 mL	Vial	2	n	HCl	VOC's
1 L	glass amber	2	n	None	PCB's
½ 0.5 L	Plastic	1	n	HNO3	Metals

Notes:

OVM meter 0.00 ppm - Strong odor from well

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/3/01	Personnel	MAS/TAD	Weather	Sunny
Site Name	Sullivans	Evacuation Method	Bladder Pump	Well #	MW-24
Site Location	New Bedford	Sampling Method	Low Flow	Project #	2000015-009

Well information:

Depth of Well * 20.59 ft.

Depth to Water * ____ ft.

Length of Water Column ____ ft.

* Measurements taken from

PVC	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	20.79	12.97	6.72	796	-85.4	0.82	16.2	700
5	20.91	12.65	6.64	790	-94.9	0.45	5.9	550
10	20.97	12.79	6.63	768	-97.4	0.39	1.7	450
15	21.06	12.72	6.64	755	-98.9	0.35	2.7	450
20	21.12	12.67	6.64	749	-98.5	0.37	3.7	450
25	21.18	12.65	6.64	765	-97.5	0.34	9.7	450
30	21.23	12.59	6.64	783	-96.0	0.34	9.6	450
35	21.27	12.53	6.64	785	-94.7	0.38	12.3	550
40	21.31	12.57	6.64	773	-94.3	0.38	10.5	500
45	21.34	12.57	6.64	783	-94.2	0.34	10.7	500
50	21.37	12.53	6.64	773	-93.9	0.32	8.8	550
55	21.40	12.51	6.64	778	-94.2	0.41	13.3	550
60	21.43	12.49	6.64	778	-93.3	0.35	13.5	550

Water sample:

Time collected: 1200

Total volume of purged water removed: 8 gallons

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

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

Samples collected:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
1L	glass Amber	2	n	none	PCB's
as before					
0.5L	Plastic	1	n	HNO_3	metals
100mL	Vial	2	n	HCl	VOC's

Notes:

OVM reading 0.7 ppm Many air bubbles in water

April 25, 1997
Form developed by
O'Brien & Gere Engineers, Inc.

Appendix D

Westbay Well Sampling Logs

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/4/01
Monitoring Well No. EJ-1-37' Sampling Zone No. _____ Start Time 15:29 End Time 16:30
Water Level In MP Casing: (start) 35.90 (end) 35. Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	19.51	✓	23.82	✓	23.82	✓	✓	19.54	1L	
2	✓	✓	✓	✓	✓	✓	✓	~~18.95~~	✓	~~19.50~~	✓	23.82	✓	✓	18.51	0.25L	
								18.50 TS	TS	23.82							
3	✓	✓	✓	✓	✓	✓	✓	17.95		23.82	✓	23.81	✓	✓	17.98	0.25L	
																	Total Volume 1.5L

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

Cable depth 41

~~DUPLICATE SAMPLE TAKEN~~ TS

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Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/4/01
Monitoring Well No. ECJ-1-62 Sampling Zone No. _____ Start Time 14:30 End Time ~~14:~~ 15:00
Water Level In MP Casing: (start) 35.82 (end) 35.93 Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	30.49	✓	34.06	✓	34.00	✓	✓	30.49	1L	
2	✓	✓	✓	✓	✓	✓	✓	29.96	✓	34.03	✓	33.94	✓	✓	29.98	0.75L	
																	Total Volume 1.75L

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

Cable depth 66

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Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/4/01
Monitoring Well No. EGI-72 Sampling Zone No. _____ Start Time 13:40 End Time 14:20
Water Level In MP Casing: (start) 35.7 (end) 35.82 Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	34.91	✓	32.84	✓	TLS 32.82 ~~34.91~~	✓	✓	34.91	1L	
2	✓	✓	✓	✓	✓	✓	✓	34.40	✓	32.80	✓	32.69	✓	✓	34.39	0.75L	
																	Total Volume 1.75L

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

Cable depth 76'

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/4/01
Monitoring Well No. ECJ1-122 Sampling Zone No. _____ Start Time 12:35 End Time 13:30
Water Level In MP Casing: (start) 35.5 (end) 35.7 Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	56.78	✓	53.91	✓	53.86	✓	✓	56.82	1L	1L
2	✓	✓	✓	✓	✓	✓	✓	56.26	✓	53.81	✓	53.74	✓	✓	56.27	.75L	
																	Total Volume 1.75

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

cable depth 126 (125.10')

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/4/01
Monitoring Well No. ELJ-1-148 Sampling Zone No. _____ Start Time 12:00 End Time 12:30
Water Level In MP Casing: (start) 35.22' (PVC) (end) 35.5 Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	67.78	~~64.98~~ ✓	64.898	✓	64.89	✓	✓	67.79	1L	
2	✓	✓	✓	✓	✓	✓	✓	67.25	✓	64.89	✓	64.84	✓	✓	67.24	3/4 L	
																	Total Volume 1.75L.

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

Cable depth 152 (150.9)

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Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/3/01
Monitoring Well No. ECJ-1-267 Sampling Zone No. _____ Start Time 14:10 End Time 15:30
Water Level In MP Casing: (start) 34.75 (end) _____ Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	120.19	✓	127.74	✓	127.53	✓	✓	120.27	1L	
2	✓	✓	✓	✓	✓	✓	✓	119.42	✓	127.63	✓	127.39	✓	✓	119.14	1/2L	
																	Total Volume 1.5L

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

Cable depth 272

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/5/07
Monitoring Well No. ECS-2-47 Sampling Zone No. _____ Start Time 13:15 End Time 14:50
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	30.95	✓	33.10	✓	33.11	✓	✓	30.95	1L	
2	✓	✓	✓	✓	✓	✓	✓	30.90	✓	33.09	✓	33.06	✓	✓	30.90	1L	
3	✓	✓	✓	✓	✓	✓	✓	30.84	✓	33.01	✓	33.00	✓	✓	30.86	1L	
4	✓	✓	✓	✓	✓	✓	✓	29.87		33.05	✓	33.02	✓	✓	29.85	0.5L	
																	Total Volume 3.5L

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

*DUPLICATE SAMPLE TAKEN (DUP#2)

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Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE ECJ-2-82 Location NEW BEDFORD Date 12/5/01
Monitoring Well No. ~~ECJ-3-5K~~ Sampling Zone No. _____ Start Time 11:00 End Time 1:10
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN / JLS
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	/	/	/	/	/	/	/	46.29	/	48.18	/	48.03	/	/	45.52	1L	
2	/	/	/	/	/	/	/	46.27	/	48.17	/	48.19	/	/	46.30	1L	
3	/	/	/	/	/	/	/	46.22	/	48.16	/	48.06	/	/	46.25	1L	
4	/	/	/	/	/	/	/	46.21	/	48.18	/	48.12	/	/	46.22	1L	
5	/	/	/	/	/	/	/	46.18	/	48.18	/	47.76	/	/	46.19	1L	
~~6~~ MS																	
																	Total Volume 5L

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

* MS & MSD TAKEN

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Oct. 96

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Groundwater Sampling

Field Data Sheet

ECS-2-117'

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/5/01
Monitoring Well No. ~~ECS-97~~ Sampling Zone No. _____ Start Time 10:15 End Time 11:00
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	61.34	✓	62.24	✓	62.34	✓	✓	61.35	1 L	
2	✓	✓	✓	✓	✓	✓	✓	60.71	✓	62.57	✓	62.57	✓	✓	60.82	0.75 L	
																	Total Volume 1.75 L

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

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

ECJ-2-152

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/5/01
Monitoring Well No. ~~ECJ-2-152~~ Sampling Zone No. _____ Start Time 8:45 End Time 9:50
Water Level In MP Casing: (start) NA * (end) NA* Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	75.95	✓	74.32	✓	73.19	✓	✓	75.95	1L	
2	✓	✓	✓	✓	✓	✓	✓	75.34	✓	74.34	✓	73.20	✓	✓	75.36	.75L	
																	Total Volume 1.75L

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

* PROBE BROKEN (Water level indicator probe)

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

ECJ-2-187

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12/5/01

Monitoring Well No. ~~ECJ-3-116~~ Sampling Zone No. _____ Start Time 7:50 End Time 8:40

Water Level In MP Casing: (start) 26.88 (TOC) (end) _____ Technicians TAN/TLS

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	✓	✓	✓	✓	✓	✓	✓	89.99 ~~87.3~~ (TS)	✓	88.40 ~~89.99~~ (TS)	✓	89.36	✓	✓	89.99	1L	
2	✓	✓	✓	✓	✓	✓	✓	89.41	✓	87.91	✓	86.46	✓	✓	89.43	.75L	
																	Total Volume 1.75 L

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

_____

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12-3-01
Monitoring Well No. ECF3-5I Sampling Zone No. _____ Start Time 11:30 End Time 12:15
Water Level In MP Casing: (start) 72.30 (end) 72.23 Technicians TAN/TLS
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	/	/	/	/	/	/	/	14.81	/	29.29	/	29.29	/	/	14.83	1L	
2	/	/	/	/	/	/	/	14.79	/	29.26	/	29.19	/	/	14.86	0.5L	
																	Total Volume 1.5L

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

[illegible] 14.81 = 64'

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date [illegible]
Monitoring Well No. [illegible] Sampling Zone No. _____ Start Time 10:30 End Time 11:30
Water Level In MP Casing: (start) 71.83 (end) 72.3 Technicians TAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	31.10	~~46.62~~	46.62	✓	~~31.11~~ TLS	✓	✓	31.11	1L	
2	✓	✓	✓	✓	✓	✓	✓					46.62					
								29.95	✓	46.60	✓	46.60	✓	✓	29.96	0.25L	
3	✓	✓	✓	✓	✓	✓	✓	29.93	✓	46.59	✓	46.59			29.94	0.25L	
																	Total Volume 1.5L

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

Tube Diam = 1/4

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Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12-3-01
Monitoring Well No. ECJ-3-126' Sampling Zone No. _____ Start Time 08:53 End Time 10:00
Water Level In MP Casing: (start) 70.18 (end) 71.83 Technicians JAN/TLS
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	✓	✓	✓	✓	✓	✓	✓	47.12	✓	61.82	✓	61.78	✓	✓	47.14	1L	
2	✓	✓	✓	✓	✓	✓	✓	44.91	✓	61.80	✓	61.79	✓	✓	44.91	0.25L	
3	✓	✓	✓	✓	✓	✓	✓	44.90	✓	61.79	✓	61.78	✓	✓	44.90	0.25L	
																	Total Volume 1.5L

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

Hole depth = 159'

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project SULLIVAN'S LEDGE Location NEW BEDFORD Date 12-3-01
Monitoring Well No. ECT-3-146 Sampling Zone No. (TLS) Start Time 07:50 End Time 08:50
Water Level In MP Casing: (start) 70.0 (end) ~~70.57~~ 70.18 Technicians TAN / TLS
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	/	/	/	/	/	/	/	55.88	/	70.57	/	70.58	/	/	55.89	1 L	TOC GW DTW
2	/	/	/	/	/	/	/	55.34		70.53	/	70.48	/	/	55.37	0.95 L	DTW = 70.0' ~~69.18~~ 70.18'
																	Total Volume 1.75

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

Well depth = 159' (158.4)

* 0.0ppmv VOC's measured at top of casing.

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/6/01
Monitoring Well No. CCT-4 Sampling Zone No. 62' Start Time 12:50 End Time 13:30
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAD/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	✓	✓	✓	✓	✓	✓	✓	33.87	✓	40.00	✓	39.97	✓	✓	33.88	1L	
2	✓	✓	✓	✓	✓	✓	✓	33.35	✓	39.99	✓	39.98	✓	✓	33.36	1/2	
																	Total Volume 1.5L

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

13:15 Sample Collected

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/6/01
Monitoring Well No. ECJ-4/ Sampling Zone No. 87' Start Time 11:15 End Time 12:30
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN / TAS 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	✓	✓	✓	✓	✓	✓	✓	44.67	✓	50.94	✓	50.90	✓	✓	44.68	1	
2	✓	✓	✓	✓	✓	✓	✓	44.85	✓	50.88	✓	50.90	✓	✓	44.86	1	
3	✓	✓	✓	✓	✓	✓	✓	44.83	✓	50.89	✓	50.89	✓	✓	44.84	1	
4	✓	✓	✓	✓	✓	✓	✓	43.81	✓	50.90	✓	50.90	✓	✓	43.82	1/2	
																	Total Volume 3.5L

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

Samples Collected 11:45
Dup-4 Collected.

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivan's Ledge Location New Bedford Date 12/6/01
Monitoring Well No. ECJ-4 Sampling Zone No. 132 Start Time 10:20 End Time 11:05
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN/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	✓	✓	✓	✓	✓	✓	✓	64.38	✓	70.58	✓	70.57	✓	✓	64.40	1	
2	✓	✓	✓	✓	✓	✓	✓	63.84	✓	70.58	✓	70.58	✓	✓	63.86	3/4	
																	Total Volume 1.75L

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

Samples Collected 10:45

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/6/01
Monitoring Well No. ECJ-4 Sampling Zone No. 162 Start Time 9.40 End Time 10 10
Water Level In MP Casing: (start) 9.45 (end) _____ Technicians JAN/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 (litres)	
1	✓	✓	✓	✓	✓	✓	✓	77.52	✓	83.58	✓	83.51	✓	✓	77.55	1	
2	✓	✓	✓	✓	✓	✓	✓	76.99	✓	83.59	✓	83.43	✓	✓	77.04	3/4	
																	Total Volume 1.75L

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

Sample collected 10.00

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/6/01
Monitoring Well No. EC-4 Sampling Zone No. 227 Start Time 8:40 End Time 9:25
Water Level In MP Casing: (start)_____ (end)_____ Technicians TAN/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 (Litre)	
1	✓	✓	✓	✓	✓	✓	✓	~~111.47~~ ~~105.67~~ 105.62	✓	111.47	✓	110.76	✓	✓	105.67	1	
2	✓	✓	✓	✓	✓	✓	✓	104.61	✓	111.20	✓	110.78	✓	✓	104.63	1/2	
																	Total Volume 1.5L

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

Sample collected 9.00

MXSAMPLE2.sam
Oct. 96

Westbay Instruments Inc.

Groundwater Sampling

Field Data Sheet

Project Sullivans Ledge Location New Bedford Date 12/6/01
Monitoring Well No. ECJ-4 Sampling Zone No. 245 Start Time 7:55 End Time 8:25
Water Level In MP Casing: (start) 23.83' (end) _____ Technicians TAN / 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 (litres)	
1	✓	✓	✓	✓	✓	✓	✓	114.29	✓	120.09	✓	119.31	✓	✓	114.28	1	Strong Sulphur Smell
2	✓	✓	✓	✓	✓	✓	✓	113.25	✓	119.82	✓	119.32	✓	✓	113.28	1/2	
																	Total Volume 1.5 L

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

247. - OVM Reading 0.0 ppm.
Sample collected 8.00

MXSAMPLE2.sam
Oct. 96

Appendix E

Winter 2001
Data Validation Report

REPORT

SULLIVAN'S LEDGE SUPERFUND SITE GROUND WATER DATA VALIDATION WINTER 2001 ROUND

SULLIVAN'S LEDGE PROJECT MANAGEMENT COMMITTEE

March 2002

5509/28602

REPORT

SULLIVAN'S LEDGE SUPERFUND SITE GROUND WATER DATA VALIDATION WINTER 2001 ROUND

SULLIVAN'S LEDGE PROJECT MANAGEMENT COMMITTEE

James R. Heckathorne, P.E.
Vice President

March 2002

O'BRIEN & GERE ENGINEERS, INC.

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A Validated results

1. Introduction

Data validation was performed for the ground water samples and ground water plant treatment influent samples collected from the Sullivan's Ledge Site in New Bedford, Massachusetts between December 3 and December 14, 2001. Mabbett & Associates (M&A) performed sample collection activities. Samples were validated for volatile organic compounds, polychlorinated biphenyls (PCBs), metals, and organochlorine pesticides. Data validation was performed in accordance with Section 3 of the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) First Operable Unit (O'Brien & Gere Engineers, January 2000), and M&A's letter dated March 14, 2001, presenting modifications and clarifications to the FSP, and Alpha Analytical Laboratory's (Alpha) Quality Manual (QM).

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. Accordingly, this report outlines excursions from 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 and Alpha Analytical Laboratory Quality Manual (Alpha Analytical, October 2000).

- 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 Analyses (USEPA Region I, November 1988).

- USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluation of Inorganic Analyses (USEPA Region I, 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 for selected target compounds 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	8082
Organochlorine pesticides	8081A
Metals (23 target)	6010B
Molybdenum	6010B
Mercury	7470A

Source: O'Brien & Gere Engineers, Inc.

It should be noted that SVOC, pesticide, and molybdenum analyses were only required for the ground water treatment plant influent samples. 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 limits 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 and organochlorine pesticide analyses

- Holding times and sample preservation
- Initial and continuing calibration
- Degradation criteria for 4,4'-DDT and Endrin
- Pesticide resolution requirements
- 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 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 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, if excursions were observed for

volatile, semivolatile, PCB, and pesticide MS/MSD and/or field duplicate samples, qualification of data was limited to the unspiked sample or the field duplicate pair unless otherwise stated.

4. Data quality evaluation

This section summarizes the QA/QC parameters which 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. The laboratory recorded sample identification for ECJ-1-267' incorrectly on laboratory reporting forms (recorded as ECJ-3-267'). The data tables were revised to reflect the correct sample identification.

A total of forty-one ground water locations were sampled. In addition, seven 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 = MW-14 DUP2 = ECJ-2-47' DUP3 = MW-6A DUP4 = ECJ-4-87' DUP5 = MW-10B DUP6= BEI-1	MW-13 ECJ-2-82' INF-BEI-3 DUP3(BEI-1) (VOCs and metals only) INF-BEI-1 (organochlorine pesticides only)	12/5/01	12/3/01 (2) 12/4/01 (2) 12/6/01 (2) 12/7/01 (1)

Table Notes:

1. Trip blanks were identified by date received. A trip blank was present in each sample cooler containing volatile organic samples as required. The number in parenthesis indicates the number of trip blanks that were received.

2. Additional MS/MSD samples were analyzed by the laboratory to meet internal QA/QC batch requirements.

Source: O'Brien & Gere Engineers, Inc.

4.1. Volatile organic analyses

The following QA/QC parameters met validation criteria or did not result in qualification of data:

- GC/MS tuning criteria
- Initial calibration
- Surrogate recovery
- Internal standard performance
- System performance
- Target compound identification and quantitation
- Documentation completeness

Holding times and sample preservation. Several samples were analyzed over the 14 day holding time requirement for samples preserved to pH <2. In addition, several samples had pH values >2. Therefore, the holding time that was used to assess aromatic compounds reported in USEPA Method 8260B was 7 days. Table 4.1 is a summary of the samples that exceeded the holding time requirements and the data that were qualified.

Table 4.2. ***Qualification of volatile data: holding time criteria.***

Sample ID	Date Collected	Date Analyzed	Days Holding Time Exceeded	Action
MW-14 (pH >2)	12/3/01	12/14/01	4	UJ, J aromatic compounds
MW-24 (pH >2)	12/3/01	12/15/01	5	UJ, J aromatic compounds
MW-2 (pH >2)	12/3/01	12/15/01	5	UJ, J aromatic compounds
MW-4A (pH>2)	12/5/01	12/13/01	1	UJ aromatic compounds
DUP2=ECJ-2-47' (pH<2)	12/5/01	12/21/01	2	UJ, J all target VOCs
MW-5 (pH<2)	12/5/01	12/21/01	2	UJ all target VOCs

Source: O'Brien & Gere Engineers, Inc.

Continuing calibration/LCS analysis. It should be noted that the LCS and continuing calibration standards are the same analytical run. Since continuing calibration standards were prepared from a source independent from the initial calibration standards, additional LCS analyses were not required. Continuing calibration percent differences (%Ds) were evaluated in place of LCS recoveries. %D criterion (<25%) was exceeded in several instances. Table 4.3 is a summary of the data qualified. Laboratory corrective actions were not required since method-specified requirements were met for system performance check compounds (SPCCs) and calibration check compounds (CCCs).

Table 4.3. ***Qualification of volatile data: continuing calibration criteria.***

Analysis Date	Compound	%D	Action	Samples Affected
12/13/01 16:02	acrolein	53.9	UJ	ECJ-3-146', ECJ-3-126', ECJ-3-91', ECJ-3-51', ECJ-1-267', MW-4A, MW-16
	acetone	26.7	UJ	
	2-butanone	30.5	UJ	
12/14/01 09:43	acrolein	33.2	UJ	DUP1(MW-14), MW-14, MW-13, MW-4

i:\71\5509\26802\5\SLGW1201.doc

Table 4.3. ***Qualification of volatile data: continuing calibration criteria.***

Analysis Date	Compound	%D	Action	Samples Affected
	4-methyl-2-pentanone	30.7	UJ	
	1,2-dibromo-3-chloropropane	26.0	UJ	
12/14/01 15:55	acrolein	29.3	UJ	MW-13A, MW-5A
	tetrahydrofuran	32.9	UJ	
	trans-1,4-dichloro-2-butene	29.4	UJ	
12/15/01 17:44	acrolein	25.8	UJ	MW-24, MW-2, MW-15, MW-17, MW-8, MW-8A, MW-10, MW-10AR
	4-methyl-2-pentanone	34.3	UJ	
12/16/01 11:06	acrolein	33.7	UJ	GCA-1, MW-10B, DUP5(MW-10B), ECJ-4-62', ECJ-4-87', ECJ-4-132', ECJ-4-162', ECJ-4-227', ECJ-4-245', ECJ-1-148', ECJ-1-122', ECJ-1-72', ECJ-1-62', ECJ-1-37'
	4-methyl-2-pentanone	39.5	UJ	
	2-hexanone	27.9	UJ	
12/17/01 00:08	acrolein	29.7	UJ	ECJ-2-82', INF-BEI-3
	4-methyl-2-pentanone	29.5	UJ	
12/19/01 10:03	dichlorodifluoromethane	46.3	UJ	ECJ-2-152', ECJ-2-187', ECJ-2-117', ECJ-2-47', MW-6A, MW-6, DUP3(MW-6A)
	vinyl acetate	64.0	UJ	
12/21/01 09:47	dichlorodifluoromethane	32.8	UJ	DUP2(ECJ-2-47'), MW-5
	vinyl acetate	68.2	UJ	
	2-hexanone	28.7	UJ	
	1,2-dibromo-3-chloropropane	38.3	UJ	
12/20/01 09:49	dichlorodifluoromethane	59.4	UJ	DUP4(ECJ-4-87'), INF-OBG-3, INF-BEI-2, INF-OBG-2, INF-OBG-1, INF-BEI-1, Collection Trench
	vinyl acetate	70.3	UJ	

Source: O'Brien & Gere Engineers, Inc.

Blank analyses. Cis-1,2-dichloroethene was detected at 0.6 ug/L in the equipment blank associated with the Westbay wells. Detected results for cis-1,2-dichloroethene were qualified as nondetected (U) in samples ECJ-4-162' and ECJ-4-245' based on concentrations that were less than five times the equipment blank value.

MS/MSD analyses. Percent recoveries were outside of laboratory control limits in several instances. Table 4.4 is a summary of the data that required qualification.

Table 4.4. ***Qualification of volatile data: MS/MSD criteria.***

MS/MSD ID	Compound	%Recovery	Action	Samples Affected
MW-13	acetone	25, 25	UJ	MW-13
	2-butanone	35, 34	UJ	
	4-methyl-2-pentanone	52, 54	UJ	
	2-hexanone	31, 33	UJ	
ECJ-2-82'	4-methyl-2-pentanone	58, 55	UJ	ECJ-2-82'
	2-hexanone	56, 55	UJ	
INF-BEI-3	2-hexanone	58, 57	UJ	INF-BEI-3

Source: O'Brien & Gere Engineers, Inc.

Field duplicate analysis. Field duplicate requirements were not met in several instances. Table 4.5 is a summary of the data that required qualification. It should be noted that field duplicate (DUP4) collected

from ECJ-4-87' was not assessed since the field duplicate was analyzed at fifty-fold dilution and the original sample was analyzed undiluted.

Table 4.5. ***Qualification of volatile data: field duplicate criteria.***

Field Duplicate Pairs	Compound	Excursion	Action	Samples Affected
DUP1 and MW-14	chlorobenzene benzene	RPD 55 RPD 57	J J	DUP1 and MW-14
DUP 3 and MW-6A	chlorobenzene benzene	Results not within ± 2xMRL Results not within ± 2xMRL	J J	DUP 3 and MW-6A

Source: O'Brien & Gere Engineers, Inc.

Target compound reporting limits. Elevated reporting limits were reported for 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. Overall, sample dilutions were performed at the appropriate levels. Based on review of the raw data, the following samples should have been reanalyzed undiluted DUP4 (ECJ-4-87'), ECJ-1-37', and DUP3(MW-6A).

Overall data assessment. Volatile analyses and QA/QC procedures were performed in accordance with analytical method and QAPP requirements. Volatile data are useable for qualitative and quantitative purposes. Volatile data were qualified as approximate for several compounds and samples based on minor excursions from holding time, continuing calibration, MS/MSD, and field duplicate criteria. Detected results for cis-1,2-dichloroethene were qualified as nondetected in two samples based on the concentration observed for this compound in the equipment blank.

4.2. Semivolatile organic analyses

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
- MS/MSD analysis
- Field duplicate analysis
- LCS analysis
- System performance
- Target compound identification and quantitation
- Documentation completeness

Continuing calibration. The semivolatile target compounds were contained in three continuing calibration standards. %D criterion (<25%) was exceeded for a minor number of compounds. Table 4.6 is a summary of the data qualified. Laboratory corrective actions were not performed as required when calibration check compound, pentachlorophenol, did not met method criteria.

Table 4.6. ***Qualification of semivolatile data: continuing calibration criteria.***

Analysis Date	Compound	%D	Action	Samples Affected
12/18/01 03:06	benzidine	43.2	UJ	INF-BEI-3
12/22/01 11:34	benzoic acid	179	UJ	INF-OBG-3, INF-BEI-2, INF-OBG-2, INF-OBG-1, INF-BEI-1, DUP6(BEI-1), Collection Trench
	pentachlorophenol	38.0	UJ	
	benzidine	50.1	UJ	
	3,3'-dichlorobenzidine	26.6	UJ	

Source: O'Brien & Gere Engineers, Inc.

Field duplicate analysis. Sample results were outside of requirements (±2xMRL) for 1,2,4-trichlorobenzene in field duplicate pairs DUP 6 and INF-BEI-1. Therefore, nondetected and detected results for 1,2,4-trichlorobenzene were qualified as approximate in these samples.

Target compound reporting limits. Reporting limits were elevated in the majority of the groundwater treatment influent samples based on laboratory dilutions that were performed to minimize matrix interferences from non-target compounds.

Overall data assessment. Overall, semivolatile analyses and QA/QC procedures were performed in accordance with analytical method and QAPP requirements. Semivolatile data are useable for qualitative and quantitative purposes. Minor excursions from continuing calibration and field duplicate requirements resulted in approximation of a minor number of compounds.

4.3. PCB analyses

The following QA/QC parameters met criteria or did not result in qualification of data:

- Sample preservation
- Initial and continuing calibration
- Blank analysis
- Internal standard analysis
- MS/MSD analysis
- Field duplicate analysis
- LCS analysis
- System performance
- Documentation completeness

Holding times. The extraction holding time requirement (7days) was exceeded by seven days for samples MW-8A and MW-10AR. Both these samples were originally extracted within holding times but required re-extraction either because the original extract was lost (MW-8A) or due to surrogate recoveries that were less than ten percent (MW10AR). Since re-extracted data were reported for these samples, the nondetected results for the PCB aroclors were qualified as approximate (UJ) in these samples.

Surrogate recovery. Surrogate recoveries were not within laboratory control limits in several instances. Qualification of data was not required since one of the two surrogates met criteria and percent recoveries were greater than ten percent.

Target compound identification, quantitation, and reporting limits. Based on review of 100% of the data, the laboratory was requested to resubmit laboratory data for the following samples: DUP1(MW-14), MW-14, MW-15, MW-2, MW-24, ECJ-1-122', ECJ-1-148', and ECJ-1-37'. An altered 1016/1242 PCB pattern was observed in these samples.

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 MW-24 and INF-OBG-1. Sample INF-OBG-1 was diluted and reanalyzed. PCB data for INF-OBG-1 were reported from the diluted run. Sample MW-24 was not diluted and reanalyzed, since the concentration was only slightly above the linear range. Detected results were qualified as approximate if the percent difference (%D) was greater than 40% between the reported result and the confirmation result. Table 4.7 is a summary of the data qualified.

Table 4.7. ***Qualification of PCB data: quantitation.***

Sample ID	PCB Aroclor	Comments	Action
MW-24	1242/1016	%D 48%.	J

Source: O'Brien & Gere Engineers, Inc.

Overall data assessment. PCB analyses and QA/QC procedures were performed in accordance with analytical method and QAPP requirements. PCB data are useable for qualitative and quantitative purposes. Nondetected PCB results were qualified as approximate in two samples based on excursions from extraction holding time requirement. Detected PCB results were qualified as approximate in one sample based on minor excursions from quantitation requirements.

4.4. Organochlorine Pesticide analyses

The following QA/QC parameters met criteria or did not result in qualification of data:

- Holding times and sample preservation
- Initial calibration
- Degradation requirements for 4,4'-DDT and Endrin
- Blank analysis
- Internal standard analysis
- Field duplicate analysis
- LCS analysis
- System performance
- Documentation completeness

Continuing calibration. Percent difference requirements (%D<15%) were exceeded for both primary and confirmation columns for endrin (%D= 33.2, 17.8) on December 21, 2001. Therefore, the nondetected results for endrin were qualified as approximate in the following samples: BEI-1, BEI-2, BEI-3, OBG-1, OBG-2, OBG-3, and Collection Trench.

Pesticide resolution requirements. Endosulfan I and 4,4'-DDD were not resolved on pesticide column DB-1701. Qualification of data was not required since these compounds were resolved on secondary column, RTX-5 and these compounds were not detected in the samples.

Surrogate recovery. Surrogate recoveries were not within laboratory control limits in several instances. Qualification of data was not required since one of the two surrogates met criteria and percent recoveries were greater than ten percent.

MS/MSD analysis. Relative percent differences (RPDs) were outside of control limits for MS/MSD sample BEI-1 and percent recoveries were biased low for the majority of compounds in MSD sample BEI-1. This MSD sample also had low surrogate recoveries. Percent recoveries were within laboratory control limits for the MS sample BEI-1 and for the associated LCS. In addition, target pesticides were not detected in the samples. Therefore, qualification of data was not performed.

Overall data assessment. The laboratory performed organochlorine pesticide analyses and QA/QC procedures in accordance with analytical method and QAPP requirements. The organochlorine pesticide data are usable for qualitative and quantitative purposes. Nondetected results for endrin were qualified as approximate in samples collected on December 14, 2001.

4.5. Metal analyses

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
- Laboratory duplicate analysis
- Serial dilution analysis
- LCS analysis
- Field duplicate analysis
- Analyte quantitation
- Documentation completeness

MS analysis. The percent recovery was below laboratory control limits for silver in MS sample ECJ-2-82'. In accordance with EPA Region I guidelines, samples within the same sample delivery group or digestion batch as the MS were qualified. Table 4.8 is a summary of the data affected.

Table 4.8. *Qualification of metals data: MS criteria.*

MS/MSD ID	Analyte	%Recovery	Action	Samples Affected
ECJ-2-82'	silver	71	UJ	ECJ-2-187', ECJ-2-152', ECJ-2-117', ECJ-2-82', ECJ-2-47', DUP2(ECJ-2-47'), MW-5A, MW-4, MW-5, MW-4A, MW-6A, MW-6, DUP3(MW-6A)

Source: O'Brien & Gere Engineers, Inc.

Laboratory reporting limits. The laboratory reporting limits for arsenic (0.010mg/L) and selenium (0.010mg/L) were slightly above project requirements of 0.005 mg/L for thirteen samples collected on December 5, 2001.

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. Nondetected results for silver were qualified as approximate in twelve samples.

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 volatile organic compounds, semivolatile organic compounds, PCBs, organochlorine pesticides, 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, December 1996).

Rejected data resulted from a major excursion from QA/QC criteria and should not be used for either qualitative or quantitative purposes. 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 which 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%. Data were qualified as approximate for the following compounds and samples based on minor excursions from field duplicate criteria:

- benzene and chlorobenzene in field duplicate pairs collected from locations MW-6A and MW-14.

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, matrix spike recovery requirements resulted in approximation of sample data as follows:

- nondetected results for acrolein in the majority of the samples.
- nondetected results for acetone, 2-butanone, 4-methyl-2-pentanone, 1,2-dibromo-3-chloropropane, tetrahydrafuran, trans-1,4-dichloro-2-butene, 2-hexanone, dichlorodifluoromethane, and vinyl acetate in several samples (refer to Table 4.3).
- nondetected results for benzidine, benzoic acid, pentachlorophenol, and 3,3'-dichlorobezidine in several of the ground water treatment influent samples.
- nondetected results for endrin in ground water treatment plant samples collected on December 14, 2001.
- nondetected results for silver in twelve 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%. Nondetected results for cis-1,2-dichloroethene were qualified as nondetected in two Westbay well locations based on equipment blank data. Data were qualified as approximate for the following compounds and samples based on excursions from holding time requirements and compound quantitation requirements:

- volatile aromatic target compounds in samples MW-14, MW-24, MW-2, and MW-4A.
- volatile target compounds in samples MW-5 and DUP2(ECJ-2-47').
- PCB Arcolor data in samples MW-8A and MW-10AR.
- PCB Arcolor 1242/1016 in sample MW-24.

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. The laboratory reporting limits for arsenic (0.010mg/L) and selenium (0.010mg/L) were slightly above project requirements of 0.005 mg/L for thirteen samples collected on December 5, 2001. Laboratory reporting limits were elevated for PCBs in one sample and for volatile organic compounds in twenty-nine samples based on the laboratory dilutions performed to obtain concentrations within the linear calibration range. Overall, sample dilutions were performed in accordance with method requirements and were based on historical data. Laboratory reporting limits were also elevated for semivolatile organic compounds in six samples based on sample dilutions that were performed to minimize sample matrix interferences from non-target compounds.

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

	Sample ID	Collection Trench	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-2-117	ECJ-2-152	ECJ-2-187
	SDG ID	L0111561	L0111395	L0111395	L0111344	L0111395	L0111395	L0111395	L0111491	L0111491	L0111491
	Dilution Factor	1	100	400	1	5	50	500	500	100	100
	Sample Date	12/07/01	12/04/01	12/04/01	12/03/01	12/04/01	12/04/01	12/04/01	12/05/01	12/05/01	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
1,1,1,2-Tetrachloroethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
1,1,1-Trichloroethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
1,1,2,2-Tetrachloroethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
1,1,2-Trichloroethane		0.75 U	75 U	300 U	0.75 U	3.8 U	38 U	380 U	380 U	75 U	75 U
1,1-Dichloroethane		0.95	75 U	300 U	0.75 U	3.8 U	38 U	380 U	380 U	75 U	75 U
1,1-Dichloroethene		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
1,1-Dichloropropene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,2,3-Trichlorobenzene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,2,3-Trichloropropane		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
1,2,4-Trichlorobenzene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Benzene, 1,2,4-trimethyl		7.5	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Dibromochloropropane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,2-Dibromoethane (EDB)		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,2-Dichlorobenzene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,2-Dichloroethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
1,2-Dichloropropane		1.8 U	180 U	700 U	1.8 U	8.8 U	88 U	880 U	880 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,3-Dichlorobenzene		3.5	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,3-Dichloropropane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,4-Dichlorobenzene		12	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
1,4-Dichlorobutane		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
2,2-Dichloropropane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
2-Butanone (MEK)		5 U	500 U	2000 U	5 UJ	25 U	250 U	2500 U	2500 U	500 U	500 U
2-Hexanone		5 U	500 UJ	2000 UJ	5 U	25 UJ	250 UJ	2500 UJ	2500 U	500 U	500 U
4-Methyl-2-pentanone (MIBK)		5 U	500 UJ	2000 UJ	5 U	25 UJ	250 UJ	2500 UJ	2500 U	820	500 U
Acetone		5 U	500 U	2000 U	5 UJ	25 U	250 U	2500 U	2500 U	500 U	500 U
Acrolein		12 U	1200 UJ	5000 UJ	12 UJ	62 UJ	620 UJ	6200 UJ	6200 U	1200 U	1200 U
Acrylonitrile		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
Benzene		99	160	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Bromobenzene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Bromochloromethane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Bromodichloromethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Bromoform		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Bromomethane		1 U	100 U	400 U	1 U	5 U	50 U	500 U	500 U	100 U	100 U
Carbon disulfide		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 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	Collection Trench	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-2-117	ECJ-2-152	ECJ-2-187
	SDG ID	L0111561	L0111395	L0111395	L0111344	L0111395	L0111395	L0111395	L0111491	L0111491	L0111491
	Dilution Factor	1	100	400	1	5	50	500	500	100	100
	Sample Date	12/07/01	12/04/01	12/04/01	12/03/01	12/04/01	12/04/01	12/04/01	12/05/01	12/05/01	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
Carbon tetrachloride		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Chlorobenzene		90	93	200 U	0.5 U	5	25 U	250 U	250 U	50 U	50 U
Chloroethane		1 U	100 U	400 U	1 U	5 U	50 U	500 U	500 U	100 U	100 U
Chloroform		0.75 U	75 U	300 U	0.75 U	3.8 U	38 U	380 U	380 U	75 U	75 U
Chloromethane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Dibromochloromethane		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Dibromomethane		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
Dichlorodifluoromethane		5 UJ	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 UJ	500 UJ	500 UJ
Diethyl ether		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Ethyl methacrylate		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
Ethylbenzene		3.7	150	550	0.88	2.5 U	25 U	770	1400	150	50 U
Hexachlorobutadiene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Methyl iodide		5 U	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 U	500 U	500 U
Isopropylbenzene		13	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Methyl tert butyl ether		1 U	100 U	400 U	1 U	5 U	50 U	500 U	500 U	100 U	100 U
Methylene chloride		2.5 U	500 U	2000 U	2.5 U	25 U	250 U	2500 U	1200 U	250 U	250 U
Naphthalene		32	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Styrene		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Tetrachloroethene		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
Tetrahydrofuran		10 U	1000 U	4000 U	10 U	50 U	500 U	5000 U	5000 U	1000 U	1000 U
Toluene		4.7	75 U	300 U	1.2	3.8 U	38 U	380 U	1400	500	180
Trichloroethene		4.1	3200	1000	40	2.5 U	25 U	250 U	250 U	50 U	50 U
Trichlorofluoromethane		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
Vinyl acetate		5 UJ	500 U	2000 U	5 U	25 U	250 U	2500 U	2500 UJ	500 UJ	500 UJ
Vinyl chloride		1 U	560	970	1.4	13	460	10000	24000	8600	1400
cis-1,2-Dichloroethene		3.8	9100	16000	9	46	1400	31000	22000	9500	3500
cis-1,3-Dichloropropylene		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
n-Butylbenzene		0.8	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
n-Propylbenzene		1.8	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
2-Chlorotoluene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
o-Xylene		3.1	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
4-Chlorotoluene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
p-Isopropyltoluene		0.74	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
m,p-Xylenes		8.5	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	120
sec-Butylbenzene		0.53	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 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	Collection Trench	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-2-117	ECJ-2-152	ECJ-2-187
	SDG ID	L0111561	L0111395	L0111395	L0111344	L0111395	L0111395	L0111395	L0111491	L0111491	L0111491
	Dilution Factor	1	100	400	1	5	50	500	500	100	100
	Sample Date	12/07/01	12/04/01	12/04/01	12/03/01	12/04/01	12/04/01	12/04/01	12/05/01	12/05/01	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		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 U	250 U
trans-1,2-Dichloroethene		0.75 U	75 U	300 U	0.75 U	3.8 U	38 U	380 U	380 U	75 U	75 U
trans-1,3-Dichloropropene		0.5 U	50 U	200 U	0.5 U	2.5 U	25 U	250 U	250 U	50 U	50 U
trans-1,4-Dichloro-2-butene		2.5 U	250 U	1000 U	2.5 U	12 U	120 U	1200 U	1200 U	250 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.

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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	ECJ-2-47	ECJ-2-47 Dup	ECJ-2-82	ECJ-3-126	ECJ-3-146	ECJ-3-51	ECJ-3-91	ECJ-4-132	ECJ-4-162	ECJ-4-227
	SDG ID	L0111491	L0111491	L0111491	L0111344	L0111344	L0111344	L0111344	L0111561	L0111561	L0111561
	Dilution Factor	40	50	400	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/03/01	12/03/01	12/03/01	12/03/01	12/06/01	12/06/01	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
1,1,1,2-Tetrachloroethane		20 U	25 UJ	200 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		20 U	25 UJ	200 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		20 U	25 UJ	200 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		30 U	38 UJ	300 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		30 U	38 UJ	300 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		20 U	25 UJ	200 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		100 U	120 UJ	1000 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		100 U	120 UJ	1000 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		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		100 U	120 UJ	1000 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		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		100 U	120 UJ	1000 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)		100 U	120 UJ	1000 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		100 U	120 UJ	1000 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		20 U	25 UJ	200 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		70 U	88 UJ	700 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-		100 U	120 UJ	1000 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		100 U	120 UJ	1000 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		100 U	120 UJ	1000 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		100 U	120 UJ	1000 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		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		100 U	120 UJ	1000 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)		200 U	250 UJ	2000 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
2-Hexanone		200 U	250 UJ	2000 UJ	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
4-Methyl-2-pentanone (MIBK)		200 U	250 UJ	2000 UJ	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
Acetone		200 U	250 UJ	2000 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
Acrolein		500 U	620 UJ	5000 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ
Acrylonitrile		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane		40 U	50 UJ	400 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		200 U	250 UJ	2000 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.
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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	ECJ-2-47	ECJ-2-47 Dup	ECJ-2-82	ECJ-3-126	ECJ-3-146	ECJ-3-51	ECJ-3-91	ECJ-4-132	ECJ-4-162	ECJ-4-227
	SDG ID	L0111491	L0111491	L0111491	L0111344	L0111344	L0111344	L0111344	L0111561	L0111561	L0111561
	Dilution Factor	40	50	400	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/03/01	12/03/01	12/03/01	12/03/01	12/06/01	12/06/01	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
Carbon tetrachloride		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		21	25 UJ	200 U	0.5 U	0.5 U	0.64	0.5 U	0.5 U	0.89	1.7
Chloroethane		40 U	50 UJ	400 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		30 U	38 UJ	300 U	1.2	0.75 U	0.75 U	1.1	0.75 U	0.75 U	0.75 U
Chloromethane		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		200 UJ	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		20 U	25 UJ	880	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4	1.8
Hexachlorobutadiene		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		200 U	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene		20 U	25 UJ	200 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		40 U	50 UJ	400 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U
Tetrachloroethene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		400 U	500 UJ	4000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene		30 U	38 UJ	1000	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		70	96 J	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		200 UJ	250 UJ	2000 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		280	310 J	16000	1 U	1 U	1 U	1 U	1 U	1.5	1.4
cis-1,2-Dichloroethene		1800	1600 J	930	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.56 U	0.5 U
cis-1,3-Dichloropropylene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		100 U	120 UJ	1000 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		20 U	25 UJ	200 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		20 U	25 UJ	200 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		20 U	25 UJ	200 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.

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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	ECJ-2-47	ECJ-2-47 Dup	ECJ-2-82	ECJ-3-126	ECJ-3-146	ECJ-3-51	ECJ-3-91	ECJ-4-132	ECJ-4-162	ECJ-4-227
	SDG ID	L0111491	L0111491	L0111491	L0111344	L0111344	L0111344	L0111344	L0111561	L0111561	L0111561
	Dilution Factor	40	50	400	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/03/01	12/03/01	12/03/01	12/03/01	12/06/01	12/06/01	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		100 U	120 UJ	1000 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		30 U	38 UJ	300 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		20 U	25 UJ	200 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		100 U	120 UJ	1000 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.
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-4-245	ECJ-4-62	ECJ-4-87	ECJ-4-87 Dup	EQUIPMENT BLANK	GCA-1	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	50	1	2	400	500	200	200
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/05/01	12/04/01	12/06/01	12/06/01	12/06/01	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		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
1,1,1-Trichloroethane		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
1,1,2-Trichloroethane		0.75 U	0.75 U	0.75 U	38 U	0.75 U	1.5 U	300 U	380 U	150 U	150 U
1,1-Dichloroethane		0.75 U	0.75 U	0.75 U	38 U	0.75 U	1.5 U	300 U	380 U	150 U	150 U
1,1-Dichloroethene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
1,1-Dichloropropene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,2,3-Trichloropropane		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Dibromochloropropane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,2-Dichlorobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,2-Dichloroethane		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
1,2-Dichloropropane		1.8 U	1.8 U	1.8 U	88 U	1.8 U	3.5 U	700 U	880 U	350 U	350 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,3-Dichlorobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,3-Dichloropropane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
1,4-Dichlorobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	13	1000 U	1200 U	500 U	500 U
1,4-Dichlorobutane		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
2,2-Dichloropropane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
2-Butanone (MEK)		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
2-Hexanone		5 UJ	5 UJ	5 UJ	250 U	5 U	10 UJ	2000 U	2500 U	1000 U	1000 U
4-Methyl-2-pentanone (MIBK)		5 UJ	5 UJ	5 UJ	250 U	5 U	10 UJ	2000 U	2500 U	1000 U	1000 UJ
Acetone		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
Acrolein		12 UJ	12 UJ	12 UJ	620 U	12 U	25 UJ	5000 U	6200 U	2500 U	2500 UJ
Acrylonitrile		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
Benzene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	100	200 U	250 U	140	100 U
Bromobenzene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Bromodichloromethane		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Bromoform		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Bromomethane		1 U	1 U	1 U	50 U	1 U	2 U	400 U	500 U	200 U	200 U
Carbon disulfide		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U

NOTES: U - not detected, J - estimated value, R - unusable, --- - not analyzed.
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Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	ECJ-4-245	ECJ-4-62	ECJ-4-87	ECJ-4-87 Dup	EQUIPMENT BLANK	GCA-1	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	50	1	2	400	500	200	200
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/05/01	12/04/01	12/06/01	12/06/01	12/06/01	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
Carbon tetrachloride		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Chlorobenzene		1.1	0.5 U	0.5 U	25 U	0.5 U	65	200 U	250 U	100	100 U
Chloroethane		1 U	1 U	1 U	50 U	1 U	2 U	400 U	500 U	200 U	200 U
Chloroform		0.75 U	0.75 U	0.75 U	38 U	0.75 U	1.5 U	300 U	380 U	150 U	150 U
Chloromethane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Dibromomethane		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
Dichlorodifluoromethane		5 U	5 U	5 U	250 UJ	5 U	10 U	2000 UJ	2500 U	1000 UJ	1000 U
Diethyl ether		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Ethyl methacrylate		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
Ethylbenzene		2.8	0.5 U	0.5 U	25 U	0.5 U	3.3	1400	1200	480	100 U
Hexachlorobutadiene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Methyl iodide		5 U	5 U	5 U	250 U	5 U	10 U	2000 U	2500 U	1000 U	1000 U
Isopropylbenzene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	17	200 U	250 U	100 U	100 U
Methyl tert butyl ether		1 U	1 U	1 U	50 U	1 U	2 U	400 U	500 U	200 U	200 U
Methylene chloride		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Naphthalene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Styrene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Tetrachloroethene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
Tetrahydrofuran		10 U	10 U	10 U	500 U	10 U	20 U	4000 U	5000 U	2000 U	2000 U
Toluene		1	0.75 U	0.75 U	38 U	0.75 U	1.5 U	1100	1000	220	150 U
Trichloroethene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	20000	17000	540	2400
Trichlorofluoromethane		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
Vinyl acetate		5 U	5 U	5 U	250 UJ	5 U	10 U	2000 UJ	2500 U	1000 UJ	1000 U
Vinyl chloride		1.9	1 U	1 U	50 U	1 U	24	800	570	2000	200 U
cis-1,2-Dichloroethene		1.6 U	0.5 U	0.5 U	25 U	0.6	51	20000	17000	14000	7400
cis-1,3-Dichloropropylene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	3.4	200 U	250 U	100 U	100 U
n-Propylbenzene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	2.6	200 U	250 U	100 U	100 U
2-Chlorotoluene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
o-Xylene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1.1	200 U	250 U	100 U	100 U
4-Chlorotoluene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
p-Isopropyltoluene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
m,p-Xylenes		0.5 U	0.5 U	0.5 U	25 U	0.5 U	4.1	200 U	250 U	100 U	100 U
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 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	ECJ-4-245	ECJ-4-62	ECJ-4-87	ECJ-4-87 Dup	EQUIPMENT BLANK	GCA-1	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	50	1	2	400	500	200	200
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/05/01	12/04/01	12/06/01	12/06/01	12/06/01	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	120 U	2.5 U	5 U	1000 U	1200 U	500 U	500 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	0.75 U	38 U	0.75 U	1.5 U	300 U	380 U	150 U	150 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	0.5 U	25 U	0.5 U	1 U	200 U	250 U	100 U	100 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	2.5 U	120 U	2.5 U	5 U	1000 U	1200 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

	Sample ID	INF-OBG-1	INF-OBG-2	INF-OBG-3	MW-10	MW-10AR	MW-10B	MW-10B Dup	MW-13	MW-13A	MW-14
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111394	L0111345
	Dilution Factor	500	100	100	1	1	1	1	1	1	5
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/04/01	12/04/01	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
1,1,1,2-Tetrachloroethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,1-Trichloroethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,2,2-Tetrachloroethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,2-Trichloroethane		380 U	75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U
1,1-Dichloroethane		380 U	75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U
1,1-Dichloroethene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1-Dichloropropene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
1,2,3-Trichlorobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
1,2,3-Trichloropropane		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2,4-Trichlorobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
Benzene, 1,2,4-trimethyl		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
Dibromochloropropane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	12 UJ
1,2-Dibromoethane (EDB)		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
1,2-Dichlorobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
1,2-Dichloroethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,2-Dichloropropane		880 U	180 U	180 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	8.8 U
Benzene, 1,3,5-trimethyl-		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
1,3-Dichlorobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
1,3-Dichloropropane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
1,4-Dichlorobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
1,4-Dichlorobutane		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
2,2-Dichloropropane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
2-Butanone (MEK)		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 UJ	5 U	25 U
2-Hexanone		2500 U	500 U	500 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 U	25 U
4-Methyl-2-pentanone (MIBK)		2500 U	500 U	500 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	25 UJ
Acetone		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 UJ	5 U	25 U
Acrolein		6200 U	1200 U	1200 U	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	62 UJ
Acrylonitrile		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Benzene		330	420	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.78	0.97	100 J
Bromobenzene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
Bromochloromethane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Bromodichloromethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Bromoform		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Bromomethane		500 U	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Carbon disulfide		2500 U	500 U	500 U	5 U	5 U	5 U	5 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

	Sample ID	INF-OBG-1	INF-OBG-2	INF-OBG-3	MW-10	MW-10AR	MW-10B	MW-10B Dup	MW-13	MW-13A	MW-14
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111394	L0111345
	Dilution Factor	500	100	100	1	1	1	1	1	1	5
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/04/01	12/04/01	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		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Chlorobenzene		250 U	230	50 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	4	17 J
Chloroethane		500 U	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloroform		380 U	75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U
Chloromethane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Dibromochloromethane		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Dibromomethane		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Dichlorodifluoromethane		2500 UJ	500 UJ	500 UJ	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Diethyl ether		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Ethyl methacrylate		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Ethylbenzene		1400	75	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
Hexachlorobutadiene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Methyl iodide		2500 U	500 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Isopropylbenzene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
Methyl tert butyl ether		500 U	100 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Methylene chloride		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Naphthalene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
Styrene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
Tetrachloroethene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Tetrahydrofuran		5000 U	1000 U	1000 U	10 U	10 U	10 U	10 U	10 U	10 UJ	50 U
Toluene		1600	75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 UJ
Trichloroethene		6600	50 U	96	1.7	0.5 U	1.3	1.4	0.5 U	0.5 U	2.5 U
Trichlorofluoromethane		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 U
Vinyl acetate		2500 UJ	500 UJ	500 UJ	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Vinyl chloride		1200	390	490	1 U	1 U	1 U	1 U	14	15	5 U
cis-1,2-Dichloroethene		26000	3300	5400	5.4	0.5 U	3.4	3.5	9.2	12	2.5 U
cis-1,3-Dichloropropylene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
n-Butylbenzene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
n-Propylbenzene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
2-Chlorotoluene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
o-Xylene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
4-Chlorotoluene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
p-Isopropyltoluene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
m,p-Xylenes		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ
sec-Butylbenzene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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.

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

	Sample ID	INF-OBG-1	INF-OBG-2	INF-OBG-3	MW-10	MW-10AR	MW-10B	MW-10B Dup	MW-13	MW-13A	MW-14
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111394	L0111345
	Dilution Factor	500	100	100	1	1	1	1	1	1	5
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/04/01	12/04/01	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		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12 UJ
trans-1,2-Dichloroethene		380 U	75 U	75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U
trans-1,3-Dichloropropene		250 U	50 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
trans-1,4-Dichloro-2-butene		1200 U	250 U	250 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	12 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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Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data

	Sample ID	MW-14 Dup	MW-15	MW-16	MW-17 12/5	MW-2	MW-24	MW-4	MW-4A	MW-5	MW-5A
	SDG ID	L0111345	L0111345	L0111345	L0111561	L0111345	L0111345	L0111491	L0111491	L0111491	L0111491
	Dilution Factor	5	2	1	1	20	100	10	1	1	1
	Sample Date	12/03/01	12/03/01	12/03/01	12/05/01	12/03/01	12/03/01	12/05/01	12/05/01	12/05/01	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
1,1,1,2-Tetrachloroethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
1,1,1-Trichloroethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
1,1,2,2-Tetrachloroethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
1,1,2-Trichloroethane		3.8 U	1.5 U	0.75 U	0.75 U	15 U	75 U	7.5 U	0.75 U	0.75 UJ	0.75 U
1,1-Dichloroethane		3.8 U	1.5 U	0.75 U	0.75 U	15 U	75 U	7.5 U	0.75 U	0.75 UJ	0.75 U
1,1-Dichloroethene		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
1,1-Dichloropropene		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
1,2,3-Trichlorobenzene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
1,2,3-Trichloropropane		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
1,2,4-Trichlorobenzene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
Benzene, 1,2,4-trimethyl		12 U	13	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
Dibromochloropropane		12 UJ	5 U	2.5 U	2.5 U	50 U	250 U	25 UJ	2.5 U	2.5 UJ	2.5 U
1,2-Dibromoethane (EDB)		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
1,2-Dichlorobenzene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
1,2-Dichloroethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
1,2-Dichloropropane		8.8 U	3.5 U	1.8 U	1.8 U	35 U	180 U	18 U	1.8 U	1.8 UJ	1.8 U
Benzene, 1,3,5-trimethyl-		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
1,3-Dichlorobenzene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
1,3-Dichloropropane		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
1,4-Dichlorobenzene		12 U	11	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
1,4-Dichlorobutane		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
2,2-Dichloropropane		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
2-Butanone (MEK)		25 U	10 U	5 UJ	5 U	100 U	500 U	50 U	5 UJ	5 UJ	5 U
2-Hexanone		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
4-Methyl-2-pentanone (MIBK)		25 UJ	10 UJ	5 U	5 UJ	100 UJ	500 UJ	50 UJ	5 U	5 UJ	5 U
Acetone		25 U	10 U	5 UJ	5 U	100 U	500 U	50 U	5 UJ	5 UJ	5 U
Acrolein		62 UJ	25 UJ	12 UJ	12 UJ	250 UJ	1200 UJ	120 UJ	12 UJ	12 UJ	12 UJ
Acrylonitrile		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Benzene		180 J	130	0.5 U	0.54	470 J	5200 J	5.9	0.5 UJ	0.5 UJ	0.5 U
Bromobenzene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
Bromochloromethane		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Bromodichloromethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
Bromoform		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
Bromomethane		5 U	2 U	1 U	1 U	20 U	100 U	10 U	1 U	1 UJ	1 U
Carbon disulfide		25 U	10 U	5 U	5 U	100 U	500 U	50 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.

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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	MW-14 Dup	MW-15	MW-16	MW-17 12/5	MW-2	MW-24	MW-4	MW-4A	MW-5	MW-5A
	SDG ID	L0111345	L0111345	L0111345	L0111561	L0111345	L0111345	L0111491	L0111491	L0111491	L0111491
	Dilution Factor	5	2	1	1	20	100	10	1	1	1
	Sample Date	12/03/01	12/03/01	12/03/01	12/05/01	12/03/01	12/03/01	12/05/01	12/05/01	12/05/01	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		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
Chlorobenzene		30 J	18	0.62	0.5 U	70 J	200 J	5 U	0.5 UJ	0.5 UJ	0.5 U
Chloroethane		5 U	2 U	1 U	1 U	20 U	100 U	10 U	1 U	1 UJ	1 U
Chloroform		3.8 U	1.5 U	0.75 U	0.75 U	15 U	75 U	7.5 U	0.75 U	0.75 UJ	0.75 U
Chloromethane		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Dibromochloromethane		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
Dibromomethane		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Dichlorodifluoromethane		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Diethyl ether		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Ethyl methacrylate		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Ethylbenzene		2.5 U	1 U	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
Hexachlorobutadiene		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Methyl iodide		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Isopropylbenzene		2.5 U	2.2	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
Methyl tert butyl ether		5 U	2 U	1 U	1 U	20 U	100 U	10 U	1 U	3.6 J	1 U
Methylene chloride		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Naphthalene		12 U	5.6	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
Styrene		2.5 U	1 U	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
Tetrachloroethene		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
Tetrahydrofuran		50 U	20 U	10 U	10 U	200 U	1000 U	100 U	10 U	10 UJ	10 UJ
Toluene		3.8 U	1.5 U	0.75 U	0.75 U	15 UJ	75 UJ	7.5 U	0.75 UJ	0.75 UJ	0.75 U
Trichloroethene		2.5 U	1 U	0.5 U	12	170	140	430	0.5 U	0.5 UJ	0.5 U
Trichlorofluoromethane		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	2.5 UJ	2.5 U
Vinyl acetate		25 U	10 U	5 U	5 U	100 U	500 U	50 U	5 U	5 UJ	5 U
Vinyl chloride		5 U	2 U	1 U	1.3	63	180	18	1 U	1 UJ	1 U
cis-1,2-Dichloroethene		2.5 U	1 U	0.5 U	15	190	320	300	3.1	0.5 UJ	0.5 U
cis-1,3-Dichloropropylene		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
n-Butylbenzene		2.5 U	3.4	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
n-Propylbenzene		2.5 U	2.5	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
2-Chlorotoluene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
o-Xylene		2.5 U	1 U	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
4-Chlorotoluene		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
p-Isopropyltoluene		2.5 U	1 U	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
m,p-Xylenes		2.5 U	5.8	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	0.5 U
sec-Butylbenzene		2.5 U	1.1	0.5 U	0.5 U	10 UJ	50 UJ	5 U	0.5 UJ	0.5 UJ	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	MW-14 Dup	MW-15	MW-16	MW-17 12/5	MW-2	MW-24	MW-4	MW-4A	MW-5	MW-5A
	SDG ID	L0111345	L0111345	L0111345	L0111561	L0111345	L0111345	L0111491	L0111491	L0111491	L0111491
	Dilution Factor	5	2	1	1	20	100	10	1	1	1
	Sample Date	12/03/01	12/03/01	12/03/01	12/05/01	12/03/01	12/03/01	12/05/01	12/05/01	12/05/01	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		12 U	5 U	2.5 U	2.5 U	50 UJ	250 UJ	25 U	2.5 UJ	2.5 UJ	2.5 U
trans-1,2-Dichloroethene		3.8 U	1.5 U	0.75 U	0.75 U	15 U	75 U	7.5 U	0.75 U	0.75 UJ	0.75 U
trans-1,3-Dichloropropene		2.5 U	1 U	0.5 U	0.5 U	10 U	50 U	5 U	0.5 U	0.5 UJ	0.5 U
trans-1,4-Dichloro-2-butene		12 U	5 U	2.5 U	2.5 U	50 U	250 U	25 U	2.5 U	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	MW-6	MW-6A	MW-6A Dup	MW-8	MW-8A	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK 113001
	SDG ID	L0111491	L0111491	L0111491	L0111561	L0111561	L0111345	L0111395	L0111491	L0111491	L0111344
	Dilution Factor	40	2	2	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/06/01	12/06/01	11/30/01	12/03/01	12/04/01	12/05/01	11/30/01
	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	1 U	1 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		20 U	1 U	1 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		20 U	1 U	1 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		30 U	1.5 U	1.5 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		30 U	1.5 U	1.5 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		20 U	1 U	1 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		100 U	5 U	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		100 U	5 U	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		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		100 U	5 U	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		100 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		100 U	5 U	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)		100 U	5 U	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		100 U	5 U	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		20 U	1 U	1 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		70 U	3.5 U	3.5 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-		100 U	5 U	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		100 U	5 U	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		100 U	5 U	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		100 U	5 U	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		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane		100 U	5 U	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)		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		200 U	10 U	10 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U
Acetone		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrolein		500 U	25 U	25 U	12 UJ	12 UJ	12 U	12 U	12 U	12 U	12 U
Acrylonitrile		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene		20 U	9.5 J	1 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene		100 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		100 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane		40 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		200 U	10 U	10 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.
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	MW-6	MW-6A	MW-6A Dup	MW-8	MW-8A	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK 113001
	SDG ID	L0111491	L0111491	L0111491	L0111561	L0111561	L0111345	L0111395	L0111491	L0111491	L0111344
	Dilution Factor	40	2	2	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/06/01	12/06/01	11/30/01	12/03/01	12/04/01	12/05/01	11/30/01
	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	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		33	52 J	1.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		40 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform		30 U	1.5 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		100 U	5 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		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		200 UJ	10 UJ	10 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Diethyl ether		100 U	5 U	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		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		20 U	1 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		100 U	5 U	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		200 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene		20 U	1 U	1 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		40 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride		100 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U
Naphthalene		100 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		400 U	20 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene		30 U	1.5 U	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		100 U	5 U	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		200 UJ	10 UJ	10 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		1200	150	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		3300	120	1 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		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		100 U	5 U	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		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		100 U	5 U	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		20 U	1 U	1 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		20 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		20 U	1 U	1 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.

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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-6	MW-6A	MW-6A Dup	MW-8	MW-8A	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK 113001
	SDG ID	L0111491	L0111491	L0111491	L0111561	L0111561	L0111345	L0111395	L0111491	L0111491	L0111344
	Dilution Factor	40	2	2	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/06/01	12/06/01	11/30/01	12/03/01	12/04/01	12/05/01	11/30/01
	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	5 U	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		30 U	1.5 U	1.5 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		20 U	1 U	1 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		100 U	5 U	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.
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 2
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	Collection Trench	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3	INF-OBG-1	INF-OBG-2	INF-OBG-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	5	5	5	5	1	5	2	5
	Sample Date	12/07/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01
	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
1,2,4,5-Tetrachlorobenzene		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
1,2,4-Trichlorobenzene		25 U	82	25 U	25 U	7.8	25 U	10 U	25 U
1,2-Dichlorobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
1,3-Dichlorobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
1,4-Dichlorobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
1-Chloronaphthalene		25 U	25 U	25 U	25 U	5.3	25 U	10 U	25 U
1-Methylnaphthalene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2,4,5-Trichlorophenol		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2,4,6-Trichlorophenol		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2,4-Dichlorophenol		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
2,4-Dimethylphenol		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
2,4-Dinitrophenol		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
2,4-Dinitrotoluene		30 U	30 U	30 U	30 U	6 U	30 U	12 U	30 U
2,6-Dichlorophenol		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
2,6-Dinitrotoluene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2-Chloronaphthalene		30 U	30 U	30 U	30 U	6 U	30 U	12 U	30 U
2-Chlorophenol		30 U	30 U	30 U	30 U	6 U	30 U	12 U	30 U
2-Methylnaphthalene		40 U	40 U	40 U	40 U	8 U	40 U	16 U	40 U
2-Methylphenol		30 U	30 U	30 U	30 U	6 U	30 U	12 U	30 U
2-Nitroaniline		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2-Nitrophenol		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
2-Picoline		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
3,3-Dichlorobenzidine		250 UJ	250 UJ	250 UJ	250 UJ	50 U	250 UJ	100 UJ	250 UJ
3-Methylcholanthrene		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
3-Methylphenol/4-Methylphenol		30 U	30 U	30 U	30 U	6 U	30 U	12 U	30 U
3-Nitroaniline		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
4,6-Dinitro-2-methylphenol		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
4-Aminobiphenyl		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
4-Bromophenyl phenyl ether		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
4-Chloroaniline		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
4-Chlorophenyl phenyl ether		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
4-Nitroaniline		35 U	35 U	35 U	35 U	7 U	35 U	14 U	35 U
4-Nitrophenol		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
7,12-Dimethylbenz(a)anthracene		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Acenaphthene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	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.
Samples were analyzed undiluted.

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

Compound	Sample ID	Collection Trench	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3	INF-OBG-1	INF-OBG-2	INF-OBG-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	5	5	5	5	1	5	2	5
	Sample Date	12/07/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01
	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
Acenaphthylene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Acetophenone		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
Aniline		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Anthracene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Azobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzidine		250 UJ	250 UJ	250 UJ	250 UJ	50 UJ	250 UJ	100 UJ	250 UJ
Benzo(a)anthracene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzo[a]pyrene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzo(b)fluoranthene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzo(e)pyrene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzo(ghi)perylene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzo(k)fluoranthene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Benzoic acid		250 UJ	250 UJ	250 UJ	250 UJ	50 U	250 UJ	100 UJ	250 UJ
Benzyl alcohol		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Biphenyl		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
bis(2-Chloroethoxy)methane		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
bis(2-Chloroethyl)ether		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
2,2'-oxybis(1-Chloropropane)		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
bis(2-Ethylhexyl)phthalate (BEHP)		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Butyl benzyl phthalate		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Carbazole		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Chlorobenzilate		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
Chrysene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Di-n-butyl phthalate		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Di-n-octyl phthalate		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Dibenzo(a,h)anthracene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Dibenzofuran		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Diethyl phthalate		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Dimethoate		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
Dimethyl phthalate		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Ethyl methanesulfonate		75 U	75 U	75 U	75 U	15 U	75 U	30 U	75 U
Fluoranthene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Fluorene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Hexachlorobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Hexachlorobutadiene		50 U	50 U	50 U	50 U	10 U	50 U	20 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.
Samples were analyzed undiluted.

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

Compound	Sample ID	Collection Trench	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3	INF-OBG-1	INF-OBG-2	INF-OBG-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	5	5	5	5	1	5	2	5
	Sample Date	12/07/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01
	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
Hexachlorocyclopentadiene		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Hexachloroethane		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Hexachloropropene		250 U	250 U	250 U	250 U	50 U	250 U	100 U	250 U
Indeno(1,2,3-cd)pyrene		35 U	35 U	35 U	35 U	7 U	35 U	14 U	35 U
Isodrin		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Isophorone		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Methyl methanesulfonate		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
NDPA/DPA		75 U	75 U	75 U	75 U	15 U	75 U	30 U	75 U
Naphthalene		25 U	25 U	25 U	66	5 U	110	26	46
Nitrobenzene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Nitrosodi-n-butylamine		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Nitrosodipiperidine		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
Pentachlorobenzene		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
PCNB		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Pentachlorophenol		100 UJ	100 UJ	100 UJ	100 UJ	20 U	100 UJ	40 UJ	100 UJ
Perylene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Phenacetin		50 U	50 U	50 U	50 U	10 U	50 U	20 U	50 U
Phenanthrene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Phenol		35 U	35 U	35 U	35 U	7 U	35 U	14 U	35 U
Pronamide		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
Pyrene		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
Pyridine		250 U	250 U	250 U	250 U	50 U	250 U	100 U	250 U
a,a-Dimethylphenethylamine		250 U	250 U	250 U	250 U	50 U	250 U	100 U	250 U
a-Naphthylamine		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
b-Naphthylamine		100 U	100 U	100 U	100 U	20 U	100 U	40 U	100 U
N-Nitrosodipropylamine		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
N-Nitrosodimethylamine		250 U	250 U	250 U	250 U	50 U	250 U	100 U	250 U
4-Chloro-3-methylphenol		25 U	25 U	25 U	25 U	5 U	25 U	10 U	25 U
p-Dimethylaminoazobenzene		50 U	50 U	50 U	50 U	10 U	50 U	20 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.
Samples were analyzed undiluted.

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Table 3
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8081 Pesticide Data

	Sample ID	BEI-1	BEI-2	BEI-3	Collection Trench	OBG-1	OBG-2	OBG-3
	SDG ID	L0111855	L0111855	L0111855	L0111855	L0111855	L0111855	L0111855
	Dilution Factor	1	1	1	1	25	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	0.02 U	0.5 U	0.02 U	0.02 U
4,4'-DDE		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
4,4'-DDT		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Aldrin		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
alpha-BHC		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
beta-BHC		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
Chlordane		0.105 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U
delta-BHC		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
Dieldrin		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Endosulfan I		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
Endosulfan II		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Endosulfan sulfate		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Endrin		0.021 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.5 UJ	0.02 UJ	0.02 UJ
Endrin aldehyde		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Endrin ketone		0.021 U	0.02 U	0.02 U	0.02 U	0.5 U	0.02 U	0.02 U
Heptachlor		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
Heptachlor epoxide		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
gamma-BHC (Lindane)		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
Methoxychlor		0.105 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U
Toxaphene		0.105 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U
a-Chlordane		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U
gamma-Chlordane		0.0105 U	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 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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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data

	Sample ID	Collection Trench	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-2-117	ECJ-2-152	ECJ-2-187
	SDG ID	L0111561	L0111395	L0111395	L0111344	L0111395	L0111395	L0111395	L0111491	L0111491	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/07/01	12/04/01	12/04/01	12/03/01	12/04/01	12/04/01	12/04/01	12/05/01	12/05/01	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		0.459 U	0.459 U	0.459 U	0.489 U	0.459 U	0.459 U	0.5 U	0.5 U	0.5 U	0.479 U
Aroclor 1232		0.459 U	0.459 U	0.459 U	0.489 U	0.459 U	0.459 U	0.5 U	0.5 U	0.5 U	0.479 U
Aroclor 1242/1016		0.459 U	3.27 *	2.60 *	0.489 U	1.82 *	0.459 U	0.5 U	0.5 U	0.5 U	0.479 U
Aroclor 1248		0.459 U	0.459 U	0.459 U	0.489 U	0.459 U	0.459 U	0.5 U	0.5 U	0.5 U	0.479 U
Aroclor 1254		0.459 U	0.459 U	0.459 U	0.489 U	4.29 *	0.459 U	0.5 U	0.5 U	0.5 U	0.479 U
Aroclor 1260		0.459 U	0.459 U	0.459 U	0.489 U	0.459 U	0.459 U	0.5 U	0.5 U	0.5 U	0.479 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	ECJ-2-47	ECJ-2-47 Dup	ECJ-2-82	ECJ-3-126	ECJ-3-146	ECJ-3-51	ECJ-3-91	ECJ-4-132	ECJ-4-162	ECJ-4-227
	SDG ID	L0111491	L0111491	L0111491	L0111344	L0111344	L0111344	L0111344	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/03/01	12/03/01	12/03/01	12/03/01	12/06/01	12/06/01	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		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 U
Aroclor 1232		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 U
Aroclor 1242/1016		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 U
Aroclor 1248		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 U
Aroclor 1254		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 U
Aroclor 1260		0.494 U	0.469 U	0.479 U	0.5 U	0.5 U	0.459 U	0.459 U	2.37 U	0.5 U	0.484 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	ECJ-4-245	ECJ-4-62	ECJ-4-87	ECJ-4-87 Dup	EQUIPMENT BLANK	GCA-1	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/05/01	12/04/01	12/06/01	12/06/01	12/06/01	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		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	0.459 U	0.459 U	0.454 U	0.454 U	0.454 U
Aroclor 1232		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	0.459 U	0.459 U	0.454 U	0.454 U	0.454 U
Aroclor 1242/1016		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	2.53 *	4.2	4.19	1.66	1.26 *
Aroclor 1248		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	0.459 U	0.459 U	0.454 U	0.454 U	0.454 U
Aroclor 1254		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	0.459 U	0.459 U	0.454 U	0.454 U	0.454 U
Aroclor 1260		0.476 U	0.462 U	0.5 U	0.459 U	0.474 U	0.459 U	0.459 U	0.454 U	0.454 U	0.454 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	INF-OBG-1	INF-OBG-2	INF-OBG-3	MW-10	MW-10AR	MW-10B	MW-10B Dup	MW-13	MW-13A	MW-14
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111394	L0111345
	Dilution Factor	50	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/04/01	12/04/01	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		23 U	0.454 U	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.474 U
Aroclor 1232		23 U	0.454 U	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.474 U
Aroclor 1242/1016		104	8.4	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.96*
Aroclor 1248		23 U	0.454 U	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.474 U
Aroclor 1254		408	0.454 U	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.474 U
Aroclor 1260		23 U	0.454 U	0.5 U	0.479 U	0.5 UJ	0.469 U	0.454 U	0.474 U	0.479 U	0.474 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-14 Dup	MW-15	MW-16	MW-17 12/6	MW-2	MW-24	MW-4	MW-4A	MW-5	MW-5A
	SDG ID	L0111345	L0111345	L0111345	L0111561	L0111345	L0111345	L0111491	L0111491	L0111491	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/03/01	12/03/01	12/03/01	12/06/01	12/03/01	12/03/01	12/05/01	12/05/01	12/05/01	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		0.474 U	0.479 U	0.476 U	0.489 U	0.479 U	0.5 U	0.474 U	0.479 U	0.484 U	0.5 U
Aroclor 1232		0.474 U	0.479 U	0.476 U	0.489 U	0.479 U	0.5 U	0.474 U	0.479 U	0.484 U	0.5 U
Aroclor 1242/1016		0.94*	2.24*	0.476 U	0.489 U	4.55*	26* J	0.474 U	0.479 U	0.484 U	0.5 U
Aroclor 1248		0.474 U	0.479 U	0.476 U	0.489 U	0.479 U	0.5 U	0.474 U	0.479 U	0.484 U	0.5 U
Aroclor 1254		0.474 U	0.479 U	0.476 U	0.489 U	0.479 U	0.5 U	0.474 U	0.479 U	0.484 U	0.5 U
Aroclor 1260		0.474 U	0.479 U	0.476 U	0.489 U	0.479 U	0.5 U	0.474 U	0.479 U	0.484 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.
* - Altered PCB Aroclor.

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

	Sample ID	MW-6	MW-6A	MW-6A Dup	MW-8	MW-8A
	SDG ID	L0111491	L0111491	L0111491	L0111561	L0111561
	Dilution Factor	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/06/01	12/06/01
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
Aroclor 1221		0.5 U	0.474 U	0.484 U	0.474 U	0.489 UJ
Aroclor 1232		0.5 U	0.474 U	0.484 U	0.474 U	0.489 UJ
Aroclor 1242/1016		0.5 U	0.474 U	0.484 U	0.474 U	0.489 UJ
Aroclor 1248		0.5 U	0.474 U	0.484 U	0.474 U	0.489 UJ
Aroclor 1254		0.5 U	0.474 U	0.484 U	0.474 U	0.489 UJ
Aroclor 1260		0.5 U	0.474 U	0.484 U	0.474 U	0.489 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.
* - Altered PCB Aroclor.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	Collection Trench	ECJ-1-122	ECJ-1-148	ECJ-1-267	ECJ-1-37	ECJ-1-62	ECJ-1-72	ECJ-2-117	ECJ-2-152	ECJ-2-187
	SDG ID	L0111561	L0111395	L0111395	L0111344	L0111395	L0111395	L0111395	L0111491	L0111491	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/07/01	12/04/01	12/04/01	12/03/01	12/04/01	12/04/01	12/04/01	12/05/01	12/05/01	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		0.13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.13	0.1 U	0.44	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	0.01 U	0.01 U	0.01 U
Barium		0.71	0.74	0.57	0.03	0.38	0.34	0.29	0.02	0.24	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	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		75	88	82	23	54	67	67	92	130	83
Chromium		0.01 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	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		90	40	31	0.28	54	38	29	2	6.4	3.7
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	19	17	3.4	14	18	16	12	11	14
Manganese		2	6.9	5.3	0.22	8	6.6	6.9	0.61	2.2	1.7
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		8.6	6.6	5.3	1 U	7.2	5.8	4.2	2	3.9	2.9
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.01 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 UJ	0.007 UJ	0.007 UJ
Sodium		81	53	46	14	67	61	47	44	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	0.08	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.
Dup - references blind field duplicate sample that was collected. Lab Dup - laboratory duplicate analyses conducted.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

Compound	Sample ID	ECJ-2-47	ECJ-2-47 Dup	ECJ-2-82	ECJ-3-126	ECJ-3-146	ECJ-3-51	ECJ-3-91	ECJ-4-132	ECJ-4-162	ECJ-4-227
	SDG ID	L0111491	L0111491	L0111491	L0111344	L0111344	L0111344	L0111344	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/03/01	12/03/01	12/03/01	12/03/01	12/06/01	12/06/01	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 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		0.01 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
Barium		0.03	0.03	0.01	0.02	0.07	0.06	0.02	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	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		97	97	84	34	36	43	34	130	55	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	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		3.4	3.4	1.2	0.13	0.95	17	0.13	0.16	0.1 U	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		32	32	13	16	9.8	12	17	40	11	4
Manganese		5.5	5.4	0.35	0.02	2.7	0.89	0.01 U	0.17	0.1	0.11
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		4.5	4.5	2.2	5	1.4	5.9	5	3	1.9	1 U
Selenium		0.01 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
Silver		0.007 UJ	0.007 UJ	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		31	32	40	110	19	130	110	37	22	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	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 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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

	Sample ID	ECJ-4-245	ECJ-4-62	ECJ-4-87	ECJ-4-87 Dup	EQUIPMENT BLANK	GCA-1	INF-BEI-1	INF-BEI-1 Dup	INF-BEI-2	INF-BEI-3
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111561	L0111561	L0111561	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/05/01	12/04/01	12/06/01	12/06/01	12/06/01	12/06/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound	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	0.1 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		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1	0.55	0.57	0.68	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	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		39	120	120	120	0.15	77	62	63	92	86
Chromium		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	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		0.12	0.1 U	0.1 U	0.1 U	0.1 U	56	41	42	55	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		3.9	46	44	44	0.1 U	13	15	15	18	11
Manganese		0.09	0.01 U	0.01	0.01	0.01 U	2.3	9.7	9.9	8.6	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
Molybdenum		—	—	—	—	—	—	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	0.025 U	0.025 U	0.025 U
Potassium		1 U	3.1	3	3.1	1 U	9.2	6.6	6.8	6.4	3.8
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		20	44	44	44	1 U	94	54	55	63	26
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	0.1	0.05 U	0.05 U	0.05 U	0.05

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 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

	Sample ID	INF-OBG-1	INF-OBG-2	INF-OBG-3	MW-10	MW-10AR	MW-10B	MW-10B Dup	MW-13	MW-13A	MW-14
	SDG ID	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111561	L0111394	L0111394	L0111345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/06/01	12/04/01	12/04/01	12/03/01
	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		0.1 U	0.1 U	0.1 U	0.1 U	2.4	0.1 U	0.1 U	0.14	0.14	0.12
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		1.3	1.8	0.67	0.02	0.06	0.03	0.03	0.27	0.29	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		83	110	120	95	49	92	93	42	44	77
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		52	70	60	7	23	5.7	5.1	46	40	28
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	25	23	55	17	53	54	10	11	17
Manganese		7.5	5.8	11	0.14	2.9	0.1	0.1	7.1	10	3.8
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
Molybdenum		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	0.025 U	0.025 U	0.025 U
Potassium		8.8	11	6.4	3.5	3.2	3.8	3.8	7.2	7.2	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	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium		61	73	55	28	19	43	42	70	68	93
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 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 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

	Sample ID	MW-14 Dup	MW-15	MW-16	MW-17 12/5	MW-2	MW-24	MW-4	MW-4A	MW-5	MW-5A
	SDG ID	L0111345	L0111345	L0111345	L0111561	L0111345	L0111345	L0111491	L0111491	L0111491	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/03/01	12/03/01	12/03/01	12/05/01	12/03/01	12/03/01	12/05/01	12/05/01	12/05/01	12/05/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Aluminum		0.12	0.1 U	0.11	31	0.1 U	0.1 U	0.1 U	0.17	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	0.018	0.005 U	0.005 U	0.01 U	0.01 U	0.01 U	0.01 U
Barium		0.08	0.14	0.08	0.3	0.09	0.43	0.13	0.06	0.08	0.12
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		76	61	35	52	75	59	43	31	120	28
Chromium		0.01 U	0.01 U	0.01 U	0.04	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	0.11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		28	49	8.1	110	54	53	7.7	30	0.05	0.05 U
Lead		0.005 U	0.005 U	0.005 U	0.503	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		17	10	6.2	11	21	17	8.6	6.9	24	6.9
Manganese		3.9	3.8	1.4	3	4.7	4.5	1.8	3	0.08	0.01
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		11	10	6.2	8.4	8.2	8	1.6	3.2	6.1	5.3
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 UJ	0.007 UJ	0.007 UJ	0.007 UJ
Sodium		94	98	160	24	72	79	27	130	110	190
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	0.14	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	0.08	0.43	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 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data

	Sample ID	MW-6	MW-6A	MW-6A Dup	MW-8	MW-8A
	SDG ID	L0111491	L0111491	L0111491	L0111561	L0111561
	Dilution Factor	1	1	1	1	1
	Sample Date	12/05/01	12/05/01	12/05/01	12/06/01	12/06/01
	Units	mg/L	mg/L	mg/L	mg/L	mg/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
Aluminum		0.1 U	0.1 U	0.1 U	0.1 U	1
Antimony		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic		0.01 U	0.01 U	0.01 U	0.005 U	0.005 U
Barium		0.04	0.08	0.08	0.01	0.04
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	0.005 U	0.005 U
Calcium		100	83	81	110	96
Chromium		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
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		9.4	11	10	7.1	1.8
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		32	25	24	46	49
Manganese		8.5	8.7	8.4	0.01 U	0.03
Mercury		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
Potassium		5.4	11	10	3	4
Selenium		0.01 U	0.01 U	0.01 U	0.005 U	0.005 U
Silver		0.007 UJ	0.007 UJ	0.007 UJ	0.007 U	0.007 U
Sodium		77	120	120	41	45
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
Zinc		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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Appendix F

1999 / 2001
Consolidated Data Tables

Table 1 – VOCs
Table 2 – SVOCs
Table 3 – Pesticides
Table 4 – PCBs
Table 5 - Inorganics

O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477
	Dilution Factor	200	400	400	100	200	200	100	100	200	200
	Sample Date	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001
	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		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U
1,1,1-Trichloroethane		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
1,1,2,2-Tetrachloroethane		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
1,1,2-Trichloroethane		150 U	300 U	300 U	75 U	150 U	150 U	75 U	75 U	150 U	150 U
1,1-Dichloroethane		150 U	300 U	300 U	75 U	150 U	150 U	75 U	75 U	150 U	150 U
1,1-Dichloroethene		150 U	200 U	200 U	75 U	100 U	100 U	75 U	50 U	100 U	150 U
1,1-Dichloropropene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,2,3-Trichlorobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,2,3-Trichloropropane		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
1,2,4-Trichlorobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Benzene, 1,2,4-trimethyl		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Dibromochloropropane		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,2-Dibromoethane (EDB)		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,2-Dichlorobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,2-Dichloroethane		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
1,2-Dichloropropane		350 U	700 U	700 U	180 U	350 U	350 U	180 U	180 U	350 U	350 U
Benzene, 1,3,5-trimethyl-		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,3-Dichlorobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,3-Dichloropropane		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,4-Dichlorobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
1,4-Dichlorobutane		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
2,2-Dichloropropane		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
2-Butanone (MEK)		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
2-Hexanone		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
4-Methyl-2-pentanone (MIBK)		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 UJ	1000 U
Acetone		1000 U	2000 U	2000 U	500 UJ	1000 U	1000 U	500 UJ	500 U	1000 U	1000 U
Acrolein		2500 U	5000 U	5000 U	1200 U	2500 U	2500 U	1200 U	1200 U	2500 UJ	2500 U
Acrylonitrile		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
Benzene		100 U	200 U	200 U	120	100 U	140	50 U	50 U	100 U	270
Bromobenzene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Bromochloromethane		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Bromodichloromethane		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
Bromoform		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
Bromomethane		200 UJ	400 U	400 U	100 UJ	200 U	200 U	100 UJ	100 U	200 U	200 UJ
Carbon disulfide		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477
	Dilution Factor	200	400	400	100	200	200	100	100	200	200
	Sample Date	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001
	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		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
Chlorobenzene		350 U	200 U	200 U	180 U	100 U	100	180 U	50 U	100 U	350 U
Chloroethane		200 U	400 U	400 U	100 U	200 U	200 U	100 U	100 U	200 U	200 U
Chloroform		150 U	300 U	300 U	75 U	150 U	150 U	75 U	75 U	150 U	150 U
Chloromethane		1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	250 U	500 U	1000 U
Dibromochloromethane		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
Dibromomethane		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
Dichlorodifluoromethane		1000 U	2000 U	2000 UJ	500 U	1000 U	1000 UJ	500 U	500 U	1000 U	1000 U
Diethyl ether		2500 U	1000 U	1000 U	1200 U	500 U	500 U	1200 U	250 U	500 U	2500 U
Ethyl methacrylate		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
Ethylbenzene		1100	1200	1400	290	220	480	50 U	83	100 U	720
Hexachlorobutadiene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Methyl iodide		1000 U	2000 U	2000 U	500 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U
Isopropylbenzene		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U
Methyl tert butyl ether		400 U	400 U	400 U	200 U	200 U	200 U	200 U	100 U	200 U	400 U
Methylene chloride		500 U	2000 U	1000 U	250 U	1000 U	500 U	250 U	500 U	500 U	500 U
Naphthalene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
Styrene		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
Tetrachloroethene		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	140
Tetrahydrofuran		2000 U	4000 U	4000 U	1000 U	2000 U	2000 U	1000 U	1000 U	2000 U	2000 U
Toluene		960	1200	1100	76	150 U	220	75 U	75 U	150 U	770
Trichloroethene		13000	20000	20000	160	300	540	2600	4600	2400	2100
Trichlorofluoromethane		500 UJ	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 UJ
Vinyl acetate		1000 U	2000 U	2000 UJ	500 U	1000 U	1000 UJ	500 U	500 U	1000 U	1000 U
Vinyl chloride		490	600	800	840	850	2000	100 U	160	200 U	550
cis-1,2-Dichloroethene		12000	14000	20000	7400	5900	14000	3400	6400	7400	13000
cis-1,3-Dichloropropylene		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
n-Butylbenzene		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U
n-Propylbenzene		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U
2-Chlorotoluene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
o-Xylene		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
4-Chlorotoluene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
p-Isopropyltoluene		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U
m,p-Xylenes		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
sec-Butylbenzene		500 U	200 U	200 U	250 U	100 U	100 U	250 U	50 U	100 U	500 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477
	Dilution Factor	200	400	400	100	200	200	100	100	200	200
	Sample Date	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001
	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	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U
trans-1,2-Dichloroethene		150 U	300 U	300 U	75 U	150 U	150 U	75 U	75 U	150 U	150 U
trans-1,3-Dichloropropene		100 U	200 U	200 U	50 U	100 U	100 U	50 U	50 U	100 U	100 U
trans-1,4-Dichloro-2-butene		500 U	1000 U	1000 U	250 U	500 U	500 U	250 U	250 U	500 U	500 U

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	OBG-1	OBG-1	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	OBG-3	Collection Trench	Collection Trench
	SDG ID	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0111561
	Dilution Factor	400	500	50	100	100	100	100	100	2	1
	Sample Date	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	12/07/2001
	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		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	5.0 U	0.5 U
1,1,1-Trichloroethane		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
1,1,2,2-Tetrachloroethane		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
1,1,2-Trichloroethane		300 U	380 U	38 U	75 U	75 U	75 U	75 U	75 U	1.5 U	0.75 U
1,1-Dichloroethane		300 U	380 U	38 U	75 U	75 U	75 U	75 U	75 U	1.5 U	0.95
1,1-Dichloroethene		200 U	250 U	38 U	50 U	50 U	75 U	50 U	50 U	1.5 U	0.5 U
1,1-Dichloropropene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,2,3-Trichlorobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,2,3-Trichloropropane		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
1,2,4-Trichlorobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
Benzene, 1,2,4-trimethyl		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	11	7.5
Dibromochloropropane		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,2-Dibromoethane (EDB)		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,2-Dichlorobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,2-Dichloroethane		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
1,2-Dichloropropane		700 U	880 U	88 U	180 U	180 U	180 U	180 U	180 U	3.5 U	1.8 U
Benzene, 1,3,5-trimethyl-		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,3-Dichlorobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	3.5
1,3-Dichloropropane		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
1,4-Dichlorobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	10	12
1,4-Dichlorobutane		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
2,2-Dichloropropane		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
2-Butanone (MEK)		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
2-Hexanone		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
4-Methyl-2-pentanone (MIBK)		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
Acetone		2000 U	2500 U	250 U	500 U	500 U	500 UJ	500 U	500 U	10 UJ	5 U
Acrolein		5000 U	6200 U	620 U	1200 U	1200 U	1200 U	1200 U	1200 U	25 U	12 U
Acrylonitrile		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
Benzene		300	330	390	570	420	56	59	50 U	90	99
Bromobenzene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
Bromochloromethane		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
Bromodichloromethane		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
Bromoform		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
Bromomethane		400 U	500 U	50 UJ	100 U	100 U	100 UJ	100 U	100 U	2.0 UJ	1 U
Carbon disulfide		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	OBG-1	OBG-1	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	OBG-3	Collection Trench	Collection Trench
	SDG ID	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0111561
	Dilution Factor	400	500	50	100	100	100	100	100	2	1
	Sample Date	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	12/07/2001
	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	250 U	25 U	50 U	50 U	50 U	50 U	50.U	1.0 U	0.5 U
Chlorobenzene		200 U	250 U	250	340	230	180 U	77	50 U	72	90
Chloroethane		400 U	500 U	50 U	100 U	100 U	100 U	100 U	100 U	12	1 U
Chloroform		300 U	380 U	38 U	75 U	75 U	75 U	75 U	75 U	1.5 U	0.75 U
Chloromethane		1000 U	1200 U	250 U	250 U	250 U	500 U	250 U	250 U	10 U	2.5 U
Dibromochloromethane		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
Dibromomethane		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
Dichlorodifluoromethane		2000 U	2500 UJ	250 U	500 U	500 UJ	500 U	500 U	500 UJ	10 U	5 UJ
Diethyl ether		1000 U	1200 U	620 U	250 U	250 U	1200 U	250 U	250 U	25 U	2.5 U
Ethyl methacrylate		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
Ethylbenzene		1200	1400	140	180	75	50 U	50 U	50 U	3.8	3.7
Hexachlorobutadiene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
Methyl iodide		2000 U	2500 U	250 U	500 U	500 U	500 U	500 U	500 U	10 U	5 U
Isopropylbenzene		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	11	13
Methyl tert butyl ether		400 U	500 U	100 U	100 U	100 U	200 U	100 U	100 U	4.0 U	1 U
Methylene chloride		2000 U	1200 U	120 U	500 U	250 U	250 U	500 U	250 U	5.0 U	2.5 U
Naphthalene		1000 U	1200 U	140	270	250 U	250 U	250 U	250 U	31	32
Styrene		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
Tetrachloroethene		260	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
Tetrahydrofuran		4000 U	5000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U	20 U	10 U
Toluene		1500	1600	140	190	75 U	75 U	75 U	75 U	1.5 U	4.7
Trichloroethene		8000	6600	82	420	50 U	450	120	96	1.4	4.1
Trichlorofluoromethane		1000 U	1200 U	120 UJ	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
Vinyl acetate		2000 U	2500 UJ	250 U	500 U	500 UJ	500 U	500 U	500 UJ	10 U	5 UJ
Vinyl chloride		900	1200	430	610	390	180	230	490	2.0 U	1 U
cis-1,2-Dichloroethene		23000	26000	4800	6100	3300	3600	2900	5400	3.1	3.8
cis-1,3-Dichloropropylene		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
n-Butylbenzene		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	5.0 U	0.8
n-Propylbenzene		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	5.0 U	1.8
2-Chlorotoluene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
o-Xylene		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	2.8	3.1
4-Chlorotoluene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
p-Isopropyltoluene		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	5.0 U	0.74
m,p-Xylenes		200 U	250 U	42	50 U	50 U	50 U	50 U	50 U	9.3	8.5
sec-Butylbenzene		200 U	250 U	120 U	50 U	50 U	250 U	50 U	50 U	5.0 U	0.53

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	OBG-1	OBG-1	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	OBG-3	Collection Trench	Collection Trench
	SDG ID	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0111561
	Dilution Factor	400	500	50	100	100	100	100	100	2	1
	Sample Date	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	12/07/2001
	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	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U
trans-1,2-Dichloroethene		300 U	380 U	38 U	75 U	75 U	75 U	75 U	75 U	1.5 U	0.75 U
trans-1,3-Dichloropropene		200 U	250 U	25 U	50 U	50 U	50 U	50 U	50 U	1.0 U	0.5 U
trans-1,4-Dichloro-2-butene		1000 U	1200 U	120 U	250 U	250 U	250 U	250 U	250 U	5.0 U	2.5 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound 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	3903	L0102408	L0105431	L0108729	L0111345	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	50	20	20	20	20	1	10	10	10	10
	Sample Date	11/12/1999	03/19/2001	06/14/2001	09/19/2001	12/03/2001	11/15/1999	03/26/2001	06/18/2001	09/20/2001	12/05/2001
	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		—	50 U	10 U	10 U	10 U	—	25 U	5 U	5 U	5 U
1,1,1-Trichloroethane		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
1,1,2-Trichloroethane		25 U	15 U	15 U	15 U	15 U	0.50 U	7.5 U	7.5 U	7.5 U	7.5 U
1,1-Dichloroethane		25 U	15 U	15 U	15 U	15 U	0.52	7.5 U	7.5 U	7.5 U	7.5 U
1,1-Dichloroethene		25 U	15 U	10 U	10 U	10 U	2.2	7.5 U	5 U	5 U	5 U
1,1-Dichloropropene		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
1,2,3-Trichlorobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
1,2,3-Trichloropropane		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
Benzene, 1,2,4-trimethyl		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
Dibromochloropropane		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 UJ
1,2-Dibromoethane (EDB)		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
1,2-Dichlorobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
1,2-Dichloroethane		25 U	10 U	10 U	10 U	10 U	0.15 J	5.0 U	5 U	5 U	5 U
1,2-Dichloropropane		25 U	35 U	35 U	35 U	35 U	0.50 U	18 U	18 U	18 U	18 U
Benzene, 1,3,5-trimethyl-		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
1,3-Dichlorobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
1,3-Dichloropropane		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
1,4-Dichlorobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
1,4-Dichlorobutane		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
2,2-Dichloropropane		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
2-Butanone (MEK)		500 U	100 U	100 UJ	100 U	100 U	10 U	50 U	50 UJ	50 U	50 U
2-Hexanone		250 U	100 U	100 UJ	100 U	100 U	5.0 U	50 U	50 UJ	50 U	50 U
4-Methyl-2-pentanone (MIBK)		250 U	100 U	100 U	100 U	100 UJ	5.0 U	50 U	50 U	50 U	50 UJ
Acetone		500 U	100 U	100 UJ	100 U	100 U	10 U	50 U	50 UJ	50 U	50 U
Acrolein		—	250 U	250 U	250 U	250 UJ	—	120 U	120 U	120 U	120 UJ
Acrylonitrile		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
Benzene		32	310	680	650	470 J	9.2	8.2	9.4	9	5.9
Bromobenzene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
Bromochloromethane		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
Bromodichloromethane		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Bromoform		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Bromomethane		50 U	20 UJ	20 U	20 U	20 U	1.0 U	10 UJ	10 U	10 UJ	10 U
Carbon disulfide		25 U	100 U	100 U	100 U	100 U	0.50 U	50 U	50 U	50 U	50 U

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound 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	3903	L0102408	L0105431	L0108729	L0111345	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	50	20	20	20	20	1	10	10	10	10
	Sample Date	11/12/1999	03/19/2001	06/14/2001	09/19/2001	12/03/2001	11/15/1999	03/26/2001	06/18/2001	09/20/2001	12/05/2001
	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		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Chlorobenzene		110	81	78	84	70 J	0.50 U	18 U	5 U	5 U	5 U
Chloroethane		50 U	20 U	20 U	20 U	20 U	1.0 U	10 U	10 U	10 U	10 U
Chloroform		25 U	15 U	15 U	15 U	15 U	0.50 U	7.5 U	7.5 U	7.5 U	7.5 U
Chloromethane		50 U	100 U	50 U	50 U	50 U	1.0 U	50 U	25 U	25 U	25 U
Dibromochloromethane		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Dibromomethane		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
Dichlorodifluoromethane		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
Diethyl ether		—	250 U	50 U	50 U	50 U	—	120 U	25 U	25 U	25 U
Ethyl methacrylate		—	100 U	100 U	100 U	100 U	—	50 U	50 U	50 U	50 U
Ethylbenzene		25 U	10 U	10 U	10 U	10 UJ	0.31 J	5.0 U	5 U	5 U	5 U
Hexachlorobutadiene		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
Methyl iodide		—	100 UJ	100 U	100 U	100 U	—	50 UJ	50 UJ	50 UJ	50 U
Isopropylbenzene		—	50 U	10 U	10 U	10 UJ	—	25 U	5 U	5 U	5 U
Methyl tert butyl ether		—	40 U	20 U	20 U	20 U	—	20 U	10 U	10 U	10 U
Methylene chloride		100 U	50 U	100 U	100 U	50 U	2.0 U	25 U	50 U	50 U	25 U
Naphthalene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
Styrene		25 U	10 U	10 U	10 U	10 UJ	0.50 U	5.0 U	5 U	5 U	5 U
Tetrachloroethene		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
Tetrahydrofuran		—	200 U	200 U	200 U	200 U	—	100 U	100 U	100 U	100 U
Toluene		25 U	15 U	15 U	15 U	15 UJ	0.17 J	7.5 U	7.5 U	7.5 U	7.5 U
Trichloroethene		1700	560	37	140	170	800	650	700	670	430
Trichlorofluoromethane		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U
Vinyl acetate		—	100 U	100 UJ	100 U	100 U	—	50 U	50 UJ	50 U	50 U
Vinyl chloride		180	230	20 U	75	63	30	36	24	40	18
cis-1,2-Dichloroethene		1400	1000	110	190	190	420	340	370	430	300
cis-1,3-Dichloropropylene		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
n-Butylbenzene		—	50 U	10 U	10 U	10 UJ	—	25 U	5 U	5 U	5 U
n-Propylbenzene		—	50 U	10 U	10 U	10 UJ	—	25 U	5 U	5 U	5 U
2-Chlorotoluene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
o-Xylene		—	10 U	10 U	10 U	10 UJ	—	5.0 U	5 U	5 U	5 U
4-Chlorotoluene		—	50 U	50 U	50 U	50 UJ	—	25 U	25 U	25 U	25 U
p-Isopropyltoluene		—	50 U	10 U	10 U	10 UJ	—	25 U	5 U	5 U	5 U
m,p-Xylenes		—	10 U	10 U	10 U	10 UJ	—	5.0 U	5 U	5 U	5 U
sec-Butylbenzene		—	50 U	10 U	10 U	10 UJ	—	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.

DRAFT
Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound 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	3903	L0102408	L0105431	L0108729	L0111345	3930	L0102674	L0105542	L0108767	L0111491
	Dilution Factor	50	20	20	20	20	1	10	10	10	10
	Sample Date	11/12/1999	03/19/2001	06/14/2001	09/19/2001	12/03/2001	11/15/1999	03/26/2001	06/18/2001	09/20/2001	12/05/2001
	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	50 U	50 UJ	—	25 U	25 U	25 U	25 U
trans-1,2-Dichloroethene		18 J	15 U	15 U	15 U	15 U	9.0	7.5 U	9.8	7.5 U	7.5 U
trans-1,3-Dichloropropene		25 U	10 U	10 U	10 U	10 U	0.50 U	5.0 U	5 U	5 U	5 U
trans-1,4-Dichloro-2-butene		—	50 U	50 U	50 U	50 U	—	25 U	25 U	25 U	25 U

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

O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5	MW-5	MW-5	MW-5
	SDG ID	3930	L0102627	L0105542	L0108767	L0111491	3930	L0102630	L0105487	L0108767	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/24/2001	06/18/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001
	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	—	2.5 U	0.5 U	0.5 U	0.5 UJ
1,1,1-Trichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
1,1,2-Trichloroethane		0.50 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 UJ
1,1-Dichloroethane		0.50 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 UJ
1,1-Dichloroethene		0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 UJ
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 UJ
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 UJ
1,2,3-Trichloropropane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
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 UJ
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 UJ
Dibromochloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ
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 UJ
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 UJ
1,2-Dichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
1,2-Dichloropropane		0.50 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 UJ
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 UJ
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 UJ
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 UJ
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 UJ
1,4-Dichlorobutane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
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 UJ
2-Butanone (MEK)		10 U	5.0 U	5 UJ	5 U	5 UJ	10 U	5.0 U	5 UJ	5 U	5 UJ
2-Hexanone		5.0 U	5.0 U	5 UJ	5 U	5 U	5.0 U	5.0 U	5 UJ	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	5.0 U	5 U	5 U	5 UJ
Acetone		10 U	5.0 UJ	5 UJ	5 U	5 UJ	10 U	5.0 UJ	5 UJ	5 U	5 UJ
Acrolein		—	12 U	12 U	12 U	12 UJ	—	12 U	12 U	12 U	12 UJ
Acrylonitrile		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
Benzene		0.50 U	0.50 U	0.5 U	0.84	0.5 UJ	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Bromobenzene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	—	2.5 U	2.5 U	2.5 U	2.5 UJ
Bromochloromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ
Bromodichloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Bromomethane		1.0 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U	1.0 UJ	1 U	1 UJ	1 UJ
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 U	0.50 U	5.0 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.

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

Compound	Sample ID	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5	MW-5	MW-5	MW-5
	SDG ID	3930	L0102627	L0105542	L0108767	L0111491	3930	L0102630	L0105487	L0108767	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/24/2001	06/18/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001
	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	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 UJ	0.50 U	1.8 U	0.5 U	0.5 U	0.5 UJ
Chloroethane		1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	1 UJ
Chloroform		0.50 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 UJ
Chloromethane		1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 UJ
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Dibromomethane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
Dichlorodifluoromethane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U	2.5 UJ
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 UJ
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Hexachlorobutadiene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ
Methyl iodide		—	5.0 UJ	5 UJ	5 UJ	5 U	—	5.0 UJ	5 U	5 UJ	5 UJ
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	—	2.5 U	0.5 U	0.5 U	0.5 UJ
Methyl tert butyl ether		—	2.0 U	1 U	1 U	1 U	—	6.8	3.6	3.9	3.6 J
Methylene chloride		2.0 U	2.5 U	5 U	5 U	2.5 U	2.0 U	2.5 U	5 U	5 U	2.5 UJ
Naphthalene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	—	2.5 U	2.5 U	2.5 U	2.5 UJ
Styrene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Tetrahydrofuran		—	10 U	10 U	10 U	10 U	—	10 U	10 U	10 U	10 UJ
Toluene		0.59	0.75 U	0.75 U	0.75 U	0.75 UJ	0.50 U	0.75 U	0.75 U	0.75 U	0.75 UJ
Trichloroethene		0.50 U	0.50 U	0.5 U	1.2	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
Trichlorofluoromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U	2.5 UJ
Vinyl acetate		—	5.0 U	5 UJ	5 U	5 U	—	5.0 U	5 UJ	5 U	5 UJ
Vinyl chloride		1.0 U	1.0 U	1 U	5.6	1 U	1.0 U	1.0 U	1 U	1 U	1 UJ
cis-1,2-Dichloroethene		1.2	0.50 U	0.5 U	75	3.1	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
cis-1,3-Dichloropropylene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
n-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	—	2.5 U	0.5 U	0.5 U	0.5 UJ
n-Propylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	—	2.5 U	0.5 U	0.5 U	0.5 UJ
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 UJ
o-Xylene		—	0.50 U	0.5 U	0.5 U	0.5 UJ	—	0.50 U	0.5 U	0.5 U	0.5 UJ
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 UJ
p-Isopropyltoluene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	—	2.5 U	0.5 U	0.5 U	0.5 UJ
m,p-Xylenes		—	0.50 U	0.5 U	0.5 U	0.5 UJ	—	0.50 U	0.5 U	0.5 U	0.5 UJ
sec-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 UJ	—	2.5 U	0.5 U	0.5 U	0.5 UJ

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-4A	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5	MW-5	MW-5	MW-5
	SDG ID	3930	L0102627	L0105542	L0108767	L0111491	3930	L0102630	L0105487	L0108767	L0111491
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/24/2001	06/18/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001
	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 UJ
trans-1,2-Dichloroethene		0.50 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 UJ
trans-1,3-Dichloropropene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 UJ
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 UJ

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-5A	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	3970	L0102437	L0105542	L0108838	L0111491
	Dilution Factor	1	1	1	1	1	1	40	40	50	40
	Sample Date	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001	11/17/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001
	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	—	100 U	20 U	25 U	20 U
1,1,1-Trichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
1,1,2-Trichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U
1,1-Dichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U
1,1-Dichloroethene		0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	13	30 U	20 U	25 U	20 U
1,1-Dichloropropene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,2,3-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,2,3-Trichloropropane		—	5.0 U	5 U	5 U	5 U	—	200 U	200 U	250 U	200 U
1,2,4-Trichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Benzene, 1,2,4-trimethyl		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Dibromochloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,2-Dibromoethane (EDB)		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,2-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,2-Dichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	1.1	20 U	20 U	25 U	20 U
1,2-Dichloropropane		0.50 U	1.8 U	1.8 U	1.8 U	1.8 U	0.50 U	70 U	70 U	88 U	70 U
Benzene, 1,3,5-trimethyl-		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,3-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,3-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,4-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
1,4-Dichlorobutane		—	5.0 U	5 U	5 U	5 U	—	200 U	200 U	250 U	200 U
2,2-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
2-Butanone (MEK)		10 UJ	5.0 U	5 UJ	5 UJ	5 U	10 U	200 U	200 UJ	250 U	200 U
2-Hexanone		5.0 UJ	5.0 U	5 UJ	5 UJ	5 U	5.0 U	200 U	200 UJ	250 U	200 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	200 U	200 U	250 U	200 U
Acetone		10 U	5.0 U	5 UJ	5 UJ	5 U	10 U	200 U	200 UJ	250 U	200 U
Acrolein		—	12 U	12 U	12 U	12 UJ	—	500 U	500 U	620 U	500 U
Acrylonitrile		—	5.0 U	5 U	5 U	5 U	—	200 U	200 U	250 U	200 U
Benzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	25	20 U	20 U	25 U	20 U
Bromobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Bromochloromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Bromodichloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
Bromomethane		1.0 U	1.0 UJ	1 U	1 UJ	1 U	1.0 U	40 UJ	40 U	50 U	40 U
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 U	0.50 U	200 U	200 U	250 U	200 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-5A	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	3970	L0102437	L0105542	L0108838	L0111491
	Dilution Factor	1	1	1	1	1	1	40	40	50	40
	Sample Date	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001	11/17/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001
	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	0.50 U	20 U	20 U	25 U	20 U
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	40	70 U	29	27	33
Chloroethane		1.0 U	1.0 U	1 U	1 U	1 U	8.0 J	40 U	40 U	50 U	40 U
Chloroform		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	30 U	30 U	38 U	30 U
Chloromethane		1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	1.0 U	200 U	100 U	120 U	100 U
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
Dibromomethane		—	5.0 U	5 U	5 U	5 U	—	200 U	200 U	250 U	200 U
Dichlorodifluoromethane		—	5.0 U	5 U	5 UJ	5 U	—	200 U	200 U	250 U	200 UJ
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U	—	500 U	100 U	120 U	100 U
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 U	—	200 U	200 U	250 U	200 U
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	10	20 U	20 U	25 U	20 U
Hexachlorobutadiene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Methyl iodide		—	5.0 UJ	5 U	5 UJ	5 U	—	200 UJ	200 UJ	250 U	200 U
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	25 U	20 U
Methyl tert butyl ether		—	2.0 U	2	2.2	1 U	—	80 U	40 U	50 U	40 U
Methylene chloride		2.0 U	2.5 U	5 U	5 U	2.5 U	2.0 U	100 U	200 U	250 U	100 U
Naphthalene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Styrene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
Tetrahydrofuran		—	10 U	10 U	10 U	10 UJ	—	400 U	400 U	500 U	400 U
Toluene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	9.8	30 U	30 U	38 U	30 U
Trichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	53 J	20 U	120	25 U	20 U
Trichlorofluoromethane		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
Vinyl acetate		—	5.0 U	5 UJ	5 U	5 U	—	200 U	200 UJ	250 U	200 UJ
Vinyl chloride		1.0 U	1.0 U	1 U	1 U	1 U	710	750	890	410	1200
cis-1,2-Dichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	3900	2200	2800	1700	3300
cis-1,3-Dichloropropylene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
n-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	25 U	20 U
n-Propylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	25 U	20 U
2-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
o-Xylene		—	0.50 U	0.5 U	0.5 U	0.5 U	—	20 U	20 U	25 U	20 U
4-Chlorotoluene		—	2.5 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	120 U	100 U
p-Isopropyltoluene		—	2.5 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	25 U	20 U
m,p-Xylenes		—	0.50 U	0.5 U	0.5 U	0.5 U	—	20 U	20 U	25 U	20 U
sec-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	25 U	20 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-5A	MW-5A	MW-5A	MW-6	MW-6	MW-6	MW-6	MW-6
	SDG ID	3930	L0102630	L0105487	L0108767	L0111491	3970	L0102437	L0105542	L0108838	L0111491
	Dilution Factor	1	1	1	1	1	1	40	40	50	40
	Sample Date	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001	11/17/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001
	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	—	100 U	100 U	120 U	100 U
trans-1,2-Dichloroethene		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	66 J	30 U	100	38 U	30 U
trans-1,3-Dichloropropene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	20 U	20 U	25 U	20 U
trans-1,4-Dichloro-2-butene		—	2.5 U	2.5 U	2.5 U	2.5 UJ	—	100 U	100 U	120 U	100 U

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O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-8	MW-8	MW-8	MW-8	MW-8
	SDG ID	3930	L0102437	L0105542	L0108838	L0111491	3930	L0102437	L0107373	L0109029	L0111561
	Dilution Factor	1	5	2	2	2	1	1	1	1	1
	Sample Date	11/16/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001
	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		—	12 U	1 U	1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.50 U	3.8 U	1.5 U	1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane		0.96	3.8 U	1.5 U	1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene		4.3	3.8 U	1 U	1 U	1 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane		—	25 U	10 U	10 U	10 U	—	5.0 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		—	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		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane		0.50 U	8.8 U	3.5 U	3.5 U	3.5 U	0.50 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene, 1,3,5-trimethyl-		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		—	25 U	10 U	10 U	10 U	—	5.0 U	5 U	5 U	5 U
2,2-Dichloropropane		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		10 U	25 U	10 U	10 U	10 U	10 U	5.0 U	5 U	5 U	5 U
2-Hexanone		5.0 U	25 U	10 U	10 U	10 U	5.0 U	5.0 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		5.0 U	25 U	10 U	10 U	10 U	5.0 U	5.0 U	5 U	5 U	5 UJ
Acetone		10 U	25 U	10 U	10 U	10 U	10 U	5.0 U	5 U	5 U	5 U
Acrolein		—	62 U	25 U	25 U	25 U	—	12 U	12 U	12 U	12 UJ
Acrylonitrile		—	25 U	10 U	10 U	10 U	—	5.0 U	5 U	5 U	5 U
Benzene		30	7.5	9.3	10	9.5 J	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromobenzene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromoform		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromomethane		1.0 U	5.0 UJ	2 UJ	2 U	2 U	1.0 U	1.0 UJ	1 U	1 U	1 U
Carbon disulfide		0.50 U	25 U	10 U	10 U	10 U	0.50 U	5.0 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.

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

Compound	Sample ID	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-8	MW-8	MW-8	MW-8	MW-8
	SDG ID	3930	L0102437	L0105542	L0108838	L0111491	3930	L0102437	L0107373	L0109029	L0111561
	Dilution Factor	1	5	2	2	2	1	1	1	1	1
	Sample Date	11/16/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001
	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	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		60	27	18	32	52 J	0.50 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroethane		11	5.0 U	2 U	2 U	2 U	1.0 U	1.0 U	1 U	1 U	1 U
Chloroform		0.50 U	3.8 U	1.5 U	1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		1.0 U	25 U	5 U	5 U	5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Dibromomethane		—	25 U	10 U	10 U	10 U	—	5.0 U	5 U	5 U	5 U
Dichlorodifluoromethane		—	25 U	10 U	10 U	10 UJ	—	5.0 U	5 U	5 U	5 U
Diethyl ether		—	62 U	5 U	5 U	5 U	—	12 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		—	25 U	10 U	10 U	10 U	—	5.0 U	5 U	5 U	5 U
Ethylbenzene		0.11 J	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		—	25 UJ	10 UJ	10 U	10 U	—	5.0 UJ	5 U	5 U	5 U
Isopropylbenzene		—	12 U	1 U	1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		—	10 U	2 U	2 U	2 U	—	2.0 U	1 U	1 U	1 U
Methylene chloride		2.0 U	12 U	10 U	10 U	5 U	2.0 U	2.5 U	5 U	5 U	2.5 U
Naphthalene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		—	50 U	20 U	20 U	20 U	—	10 U	10 U	10 U	10 U
Toluene		1.6	3.8 U	1.5 U	1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		30	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		—	25 U	10 U	10 U	10 UJ	—	5.0 U	5 U	5 U	5 U
Vinyl chloride		480	100	55	62	150	1.0 U	1.0 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		1200	180 J	72	69	120	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		—	12 U	1 U	1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene		—	12 U	1 U	1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		—	2.5 U	1 U	1 U	1 U	—	0.50 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene		—	12 U	5 U	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		—	12 U	1 U	1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylenes		—	2.5 U	1 U	1 U	1 U	—	0.50 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		—	12 U	1 U	1 U	1 U	—	2.5 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.

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

	Sample ID	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-8	MW-8	MW-8	MW-8	MW-8
	SDG ID	3930	L0102437	L0105542	L0108838	L0111491	3930	L0102437	L0107373	L0109029	L0111561
	Dilution Factor	1	5	2	2	2	1	1	1	1	1
	Sample Date	11/16/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001
	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	5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene		16	3.8 U	3.7	1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		0.50 U	2.5 U	1 U	1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene		—	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.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-8A	MW-8A	MW-8A	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10AR
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0102479	L0105487	L0109029	L0111561	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001	03/21/2001	06/15/2001	09/27/2001	12/06/2001	03/27/2001
	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		—	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,1-Trichloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2-Trichloroethane		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	0.75 U
1,1-Dichloroethane		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 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	0.75 U	0.5 U	0.5 U	0.5 U	0.75 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		—	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,2-Dichloropropane		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	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		—	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 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)		10 U	5.0 U	5 UJ	5 U	5 U	5.0 U	5 UJ	5 U	5 U	6.7
2-Hexanone		5.0 U	5.0 U	5 UJ	5 U	5 U	5.0 U	5 UJ	5 U	5 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 UJ	5 U	5 UJ	5.0 U	5 U	5 U	5 UJ	5.0 U
Acetone		10 U	5.0 U	5 UJ	5 U	5 U	5.0 UJ	5 UJ	5 UJ	5 U	5.0 U
Acrolein		—	12 U	12 U	12 U	12 UJ	12 U	12 U	12 U	12 UJ	12 U
Acrylonitrile		—	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Benzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromomethane		1.0 U	1.0 UJ	1 U	1 U	1 U	1.0 UJ	1 U	1 U	1 U	1.0 UJ
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-8A	MW-8A	MW-8A	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10AR
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0102479	L0105487	L0109029	L0111561	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001	03/21/2001	06/15/2001	09/27/2001	12/06/2001	03/27/2001
	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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U	1.8 U
Chloroethane		1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U
Chloroform		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	0.75 U
Chloromethane		1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	5.0 U
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Dibromomethane		—	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Dichlorodifluoromethane		—	5.0 U	5 UJ	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	12 U
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 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		—	5.0 UJ	5 UJ	5 U	5 U	5.0 UJ	5 U	5 U	5 U	5.0 UJ
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Methyl tert butyl ether		—	2.0 U	1 U	1 U	1 U	2.0 U	1 U	1 U	1 U	2.0 U
Methylene chloride		2.0 U	2.5 U	5 U	5 U	2.5 U	2.5 U	5 U	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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrahydrofuran		—	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	29
Toluene		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	0.75 U
Trichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	4.1	8.9	6.9	1.7	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	2.5 U
Vinyl acetate		—	5.0 U	5 U	5 U	5 U	5.0 U	5 UJ	5 U	5 U	5.0 U
Vinyl chloride		1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	8.8	18	16	5.4	1.1
cis-1,3-Dichloropropylene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
n-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
n-Propylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 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		—	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 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	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
m,p-Xylenes		—	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
sec-Butylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U	2.5 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.

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

	Sample ID	MW-8A	MW-8A	MW-8A	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10AR
	SDG ID	3930	L0102437	L0107373	L0109029	L0111561	L0102479	L0105487	L0109029	L0111561	L0102674
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001	03/21/2001	06/15/2001	09/27/2001	12/06/2001	03/27/2001
	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		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75	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	0.50 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 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.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-10AR	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-12AR	MW-12AR	MW-12AR
	SDG ID	L0105542	L0108901	L0111561	L0102479	L0105542	L0109029	L0111561	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	06/19/2001	09/24/2001	12/06/2001	03/21/2001	06/19/2001	09/27/2001	12/06/2001	11/18/1999	03/26/2001	06/14/2001
	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	---	5.0 U	1 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	1.0 U	1.0 U	1 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	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	0.5 U	0.75 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 U	5.0 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	0.5 U	0.50 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 U	5.0 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 UJ	5 U	5 U	5.0 U	5 UJ	5 U	5 U	20 U	10 U	10 UJ
2-Hexanone		5 UJ	5 U	5 U	5.0 U	5 UJ	5 U	5 UJ	10 U	10 U	10 UJ
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 UJ	5.0 U	5 U	5 U	5 UJ	10 U	10 U	10 U
Acetone		5 UJ	5 U	5 U	5.0 UJ	5 UJ	5 UJ	5 U	20 U	10 UJ	10 UJ
Acrolein		12 U	12 U	12 UJ	12 U	12 U	12 U	12 UJ	---	25 U	25 U
Acrylonitrile		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	---	10 U	10 U
Benzene		0.5 U	0.5 U	0.5 U	0.50 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	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Bromoform		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Bromomethane		1 U	1 U	1 U	1.0 UJ	1 UJ	1 U	1 U	2.0 U	2.0 UJ	2 U
Carbon disulfide		5 U	5 U	5 U	5.0 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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DRAFT
Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	MW-10AR	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-12AR	MW-12AR	MW-12AR
	SDG ID	L0105542	L0108901	L0111561	L0102479	L0105542	L0109029	L0111561	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	06/19/2001	09/24/2001	12/06/2001	03/21/2001	06/19/2001	09/27/2001	12/06/2001	11/18/1999	03/26/2001	06/14/2001
	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	0.50 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Chlorobenzene		0.63	0.5 U	0.5 U	1.8 U	0.7	0.5 U	0.5 U	37	70	50
Chloroethane		1 U	1 U	1 U	1.0 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	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.0 U	10 U	5 U
Dibromochloromethane		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Dibromomethane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	—	10 U	10 U
Dichlorodifluoromethane		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	—	10 U	10 U
Diethyl ether		2.5 U	2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	—	25 U	5 U
Ethyl methacrylate		5 U	5 U	5 U	5.0 U	5 U	5 U	5 U	—	10 U	10 U
Ethylbenzene		0.5 U	0.5 U	0.5 U	0.50 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 UJ	5 U	5 U	5.0 UJ	5 UJ	5 U	5 U	—	10 UJ	10 U
Isopropylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	—	18	12
Methyl tert butyl ether		1 U	1 U	1 U	2.0 U	1 U	1 U	1 U	—	4.0 U	2 U
Methylene chloride		5 U	5 U	2.5 U	2.5 U	5 U	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	0.5 U	0.50 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	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1 U
Tetrahydrofuran		14	10 U	10 U	10 U	10 U	10 U	10 U	—	20 U	20 U
Toluene		1.8	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	0.5 U	4.4	8.6	5.6	1.3	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 UJ	5 U	5 U	5.0 U	5 U	5 U	5 U	—	10 U	10 UJ
Vinyl chloride		1 U	1 U	1 U	1.0 U	2.5	1 U	1 U	2.0 U	2.0 U	2 U
cis-1,2-Dichloroethene		1.5	1.5	0.5 U	9.2	22	15	3.4	1.0 U	1.0 U	1 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	1.0 U	1.0 U	1 U
n-Butylbenzene		0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	2.5
n-Propylbenzene		0.5 U	0.5 U	0.5 U	2.5 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	0.5 U	0.50 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	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	—	5.0 U	1 U
m,p-Xylenes		0.5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	—	8.4	5.2
sec-Butylbenzene		0.5 U	0.5 U	0.5 U	2.5 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.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-10AR	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-10B	MW-12AR	MW-12AR	MW-12AR
	SDG ID	L0105542	L0108901	L0111561	L0102479	L0105542	L0109029	L0111561	3958	L0102630	L0105431
	Dilution Factor	1	1	1	1	1	1	1	2	2	2
	Sample Date	06/19/2001	09/24/2001	12/06/2001	03/21/2001	06/19/2001	09/27/2001	12/06/2001	11/18/1999	03/26/2001	06/14/2001
	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	—	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	0.5 U	0.50 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 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	—	5.0 U	5 U

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

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DRAFT
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-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	L0109029	3970	L0102597	L0105487	L0109029	L0111394	3970	L0102597	L0105542	L0108838
	Dilution Factor	2	50	1	1	1	1	1	1	1	1
	Sample Date	09/26/2001	11/17/1999	03/23/2001	06/15/2001	09/26/2001	12/04/2001	11/17/1999	03/23/2001	06/18/2001	09/21/2001
	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	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		1 U	0.50 U	0.50 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		1 U	0.50 U	0.50 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		1.5 U	0.50 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		1.5 U	0.50 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		1 U	4.4	0.75 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		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	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 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 UJ	—	2.5 U	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	0.50 U	0.50 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		3.5 U	0.50 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-		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	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U	2.5 U
1,4-Dichlorobutane		10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 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	10 U	5.0 U	5 UJ	5 U	5 UJ	10 U	5.0 U	5 UJ	5 U
2-Hexanone		10 U	5.0 U	5.0 U	5 UJ	5 U	5 UJ	5.0 U	5.0 U	5 UJ	5 U
4-Methyl-2-pentanone (MIBK)		10 U	5.0 U	5.0 U	5 U	5 U	5 UJ	5.0 U	5.0 U	5 U	5 U
Acetone		10 UJ	10 U	5.0 UJ	5 UJ	5 U	5 UJ	10 U	5.0 UJ	5 UJ	5 U
Acrolein		25 U	—	12 U	12 U	12 U	12 UJ	—	12 U	12 U	12 U
Acrylonitrile		10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Benzene		57	2.9	0.50 U	0.5 U	0.76	0.78	0.65	0.50 U	0.5 U	0.81
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	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromoform		1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Bromomethane		2 U	1.0 U	1.0 UJ	1 U	1 U	1 U	1.0 U	1.0 UJ	1 U	1 U
Carbon disulfide		10 U	0.50 U	5.0 U	5 U	5 U	5 U	0.50 U	5.0 U	5 U	5 U

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

	Sample ID	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	L0109029	3970	L0102597	L0105487	L0109029	L0111394	3970	L0102597	L0105542	L0108838
	Dilution Factor	2	50	1	1	1	1	1	1	1	1
	Sample Date	09/26/2001	11/17/1999	03/23/2001	06/15/2001	09/26/2001	12/04/2001	11/17/1999	03/23/2001	06/18/2001	09/21/2001
	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		1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Chlorobenzene		41	1.9	1.8 U	0.5 U	1.1	2.9	1.7	1.8 U	0.59	1.7
Chloroethane		2 U	1.0 UJ	1.0 U	1 U	1 U	1 U	1.0 UJ	1.0 U	1 U	1 U
Chloroform		1.5 U	0.50 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		5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U
Dibromochloromethane		1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Dibromomethane		10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Dichlorodifluoromethane		10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Diethyl ether		5 U	—	12 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U
Ethyl methacrylate		10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U
Ethylbenzene		1 U	3.4	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 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	—	5.0 U	5 UJ	5 U	5 U	—	5.0 U	5 UJ	5 U
Isopropylbenzene		10	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
Methyl tert butyl ether		2 U	—	2.0 U	1	1 U	1 U	—	2.0 U	1.3	1 U
Methylene chloride		10 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.0 U	2.5 U	5 U	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	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrachloroethene		1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
Tetrahydrofuran		20 U	—	10 U	10 U	10 U	10 U	—	10 U	10 U	10 U
Toluene		1.5 U	1.2	0.75 U	0.75 U	0.75 U	0.75 U	0.10 J	0.75 U	0.75 U	0.75 U
Trichloroethene		1 U	18	0.50 U	0.5 U	0.5 U	0.5 U	0.17 J	0.50 U	0.5 U	0.5 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	—	5.0 U	5 UJ	5 U	5 U	—	5.0 U	5 UJ	5 U
Vinyl chloride		2 U	110	3.8	1 U	7.6	14	11	5.0	1.4	6.9
cis-1,2-Dichloroethene		1 U	840	3.3	1.1	3.6	9.2	15	5.2	0.8	4.9
cis-1,3-Dichloropropylene		1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U
n-Butylbenzene		1.4	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
n-Propylbenzene		2.6	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 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	—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 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	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U	0.5 U
m,p-Xylenes		1 U	—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U
sec-Butylbenzene		1 U	—	2.5 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.

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

	Sample ID	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	L0109029	3970	L0102597	L0105487	L0109029	L0111394	3970	L0102597	L0105542	L0108838
	Dilution Factor	2	50	1	1	1	1	1	1	1	1
	Sample Date	09/26/2001	11/17/1999	03/23/2001	06/15/2001	09/26/2001	12/04/2001	11/17/1999	03/23/2001	06/18/2001	09/21/2001
	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	—	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	9.5	0.75 U	0.75 U	0.75 U	0.75 U	0.22 J	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene		1 U	0.50 U	0.50 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		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.

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DRAFT
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-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15
	SDG ID	L0111394	3903	L0102408	L0105431	L0108838	L0108838	L0111345	3886	L0102408	L0105431
	Dilution Factor	1	50	20	20	20	20	5	1	2	2
	Sample Date	12/04/2001	11/12/1999	03/19/2001	06/14/2001	09/20/2001	09/21/2001	12/03/2001	11/10/1999	03/19/2001	06/13/2001
	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	—	50 U	10 U	0.5 U	0.5 U	2.5 U	—	5.0 U	1 U
1,1,1-Trichloroethane		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
1,1,2-Trichloroethane		0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U	0.50 U	1.5 U	1.5 U
1,1-Dichloroethane		0.75 U	25 U	15 U	15 U	1.1	1.1	3.8 U	0.14 J	1.5 U	1.5 U
1,1-Dichloroethene		0.5 U	25 U	15 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.5 U	1 U
1,1-Dichloropropene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
1,2,3-Trichlorobenzene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
1,2,3-Trichloropropane		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
1,2,4-Trichlorobenzene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
Benzene, 1,2,4-trimethyl		2.5 U	—	50 U	50 U	4	2.5 U	12 UJ	—	10	6.6
Dibromochloropropane		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
1,2-Dibromoethane (EDB)		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
1,2-Dichlorobenzene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
1,2-Dichloroethane		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
1,2-Dichloropropane		1.8 U	25 U	35 U	35 U	1.8 U	1.8 U	8.8 U	0.50 U	3.5 U	3.5 U
Benzene, 1,3,5-trimethyl-		2.5 U	—	50 U	50 U	2.8	2.5 U	12 UJ	—	5.0 U	5 U
1,3-Dichlorobenzene		2.5 U	—	50 U	50 U	3.2	2.6	12 UJ	—	5.0 U	5 U
1,3-Dichloropropane		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
1,4-Dichlorobenzene		2.5 U	—	50 U	50 U	11	10	12 UJ	—	5.9	5 U
1,4-Dichlorobutane		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
2,2-Dichloropropane		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
2-Butanone (MEK)		5 U	500 U	100 U	100 UJ	5 U	5 U	25 U	10 U	10 U	10 UJ
2-Hexanone		5 U	250 U	100 U	100 UJ	5 U	5 U	25 U	5.0 U	10 U	10 UJ
4-Methyl-2-pentanone (MIBK)		5 U	250 U	100 U	100 U	5 U	5 U	25 UJ	5.0 U	10 U	10 U
Acetone		5 U	500 U	100 U	100 UJ	5 U	5 U	25 U	10 U	10 U	10 UJ
Acrolein		12 UJ	—	250 U	250 U	12 U	12 U	62 UJ	—	25 U	25 U
Acrylonitrile		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
Benzene		0.97	570	870	880	200	0.5 U	100 J	11	100	87
Bromobenzene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
Bromochloromethane		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
Bromodichloromethane		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Bromoform		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Bromomethane		1 U	50 U	20 UJ	20 U	1 U	1 U	5 U	1.0 UJ	2.0 UJ	2 U
Carbon disulfide		5 U	25 U	100 U	100 U	5 U	5 U	25 U	0.50 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.

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

	Sample ID	MW-13A	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15
	SDG ID	L0111394	3903	L0102408	L0105431	L0108838	L0108838	L0111345	3886	L0102408	L0105431
	Dilution Factor	1	50	20	20	20	20	5	1	2	2
	Sample Date	12/04/2001	11/12/1999	03/19/2001	06/14/2001	09/20/2001	09/21/2001	12/03/2001	11/10/1999	03/19/2001	06/13/2001
	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	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Chlorobenzene		4	45	68	70	51	0.5 U	17 J	3.0	4.3	3
Chloroethane		1 U	50 U	20 U	20 U	10	9.4	5 U	1.0 U	12	2 U
Chloroform		0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U	0.50 U	1.5 U	1.5 U
Chloromethane		2.5 U	50 U	100 U	50 U	2.5 U	2.5 U	12 U	1.0 U	10 U	5 U
Dibromochloromethane		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Dibromomethane		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
Dichlorodifluoromethane		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
Diethyl ether		2.5 U	—	250 U	50 U	2.5 U	2.5 U	12 U	—	25 U	5 U
Ethyl methacrylate		5 U	—	100 U	100 U	5 U	5 U	25 U	—	10 U	10 U
Ethylbenzene		0.5 U	25 U	10 U	10 U	11	0.5 U	2.5 UJ	0.50 U	1.0 U	2.5
Hexachlorobutadiene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
Methyl iodide		5 U	—	100 UJ	100 U	5 U	5 U	25 U	—	10 UJ	10 U
Isopropylbenzene		0.5 U	—	50 U	10 U	3	0.5 U	2.5 UJ	—	5.0 U	1.6
Methyl tert butyl ether		1 U	—	40 U	20 U	1 U	1 U	5 U	—	4.0 U	2 U
Methylene chloride		2.5 U	100 U	50 U	100 U	5 U	5 U	12 U	2.0 U	5.0 U	10 U
Naphthalene		2.5 U	—	93	50 U	37	2.5 U	12 UJ	—	9.7	6.9
Styrene		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 UJ	0.50 U	1.0 U	1 U
Tetrachloroethene		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Tetrahydrofuran		10 UJ	—	200 U	200 U	12	10 U	50 U	—	20 U	20 U
Toluene		0.75 U	25 U	15 U	15 U	1.1	0.75 U	3.8 UJ	0.50 U	1.7	1.5 U
Trichloroethene		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
Trichlorofluoromethane		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U
Vinyl acetate		5 U	—	100 U	100 UJ	5 U	5 U	25 U	—	10 U	10 UJ
Vinyl chloride		15	50 U	20 U	20 U	1 U	1 U	5 U	1.0 U	2.0 U	2 U
cis-1,2-Dichloroethene		12	18 J	10 U	10 U	0.5 U	0.5 U	2.5 U	0.34 J	1.0 U	1 U
cis-1,3-Dichloropropylene		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
n-Butylbenzene		0.5 U	—	50 U	10 U	0.5 U	0.5 U	2.5 UJ	—	5.0 U	1 U
n-Propylbenzene		0.5 U	—	50 U	10 U	2.3	0.5 U	2.5 UJ	—	5.0 U	1.4
2-Chlorotoluene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
o-Xylene		0.5 U	—	10 U	10 U	0.96	0.5 U	2.5 UJ	—	2.4	3.9
4-Chlorotoluene		2.5 U	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
p-Isopropyltoluene		0.5 U	—	50 U	10 U	0.5 U	0.5 U	2.5 UJ	—	5.0 U	1 U
m,p-Xylenes		0.5 U	—	27	24	15	1.5	2.5 UJ	—	6.5	13
sec-Butylbenzene		0.5 U	—	50 U	10 U	0.52	0.5 U	2.5 UJ	—	5.0 U	1 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-13A	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15
	SDG ID	L0111394	3903	L0102408	L0105431	L0108838	L0108838	L0111345	3886	L0102408	L0105431
	Dilution Factor	1	50	20	20	20	20	5	1	2	2
	Sample Date	12/04/2001	11/12/1999	03/19/2001	06/14/2001	09/20/2001	09/21/2001	12/03/2001	11/10/1999	03/19/2001	06/13/2001
	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	—	50 U	50 U	2.5 U	2.5 U	12 UJ	—	5.0 U	5 U
trans-1,2-Dichloroethene		0.75 U	25 U	15 U	15 U	0.75 U	0.75 U	3.8 U	0.50 U	1.5 U	1.5 U
trans-1,3-Dichloropropene		0.5 U	25 U	10 U	10 U	0.5 U	0.5 U	2.5 U	0.50 U	1.0 U	1 U
trans-1,4-Dichloro-2-butene		2.5 UJ	—	50 U	50 U	2.5 U	2.5 U	12 U	—	5.0 U	5 U

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17
	SDG ID	L0108729	L0111345	3886	L0102479	L0105431	L0108729	L0111345	3958	L0102674	L0105542
	Dilution Factor	2	2	1	1	1	1	1	1	1	1
	Sample Date	09/18/2001	12/03/2001	11/11/1999	03/21/2001	06/13/2001	09/18/2001	12/03/2001	11/18/1999	03/27/2001	06/18/2001
	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	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
1,1,1-Trichloroethane		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,1,2,2-Tetrachloroethane		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,1,2-Trichloroethane		1.5 U	1.5 U	0.50 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		1.5 U	1.5 U	0.50 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		1 U	1 U	0.50 U	0.75 U	0.5 U	0.5 U	0.5 U	0.50 U	0.75 U	0.5 U
1,1-Dichloropropene		5 U	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	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	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
1,2,4-Trichlorobenzene		5 U	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		6.1	13	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Dibromochloropropane		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,2-Dibromoethane (EDB)		5 U	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	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	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
1,2-Dichloropropane		3.5 U	3.5 U	0.50 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-		5 U	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	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	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,4-Dichlorobenzene		6.9	11	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
1,4-Dichlorobutane		10 U	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
2,2-Dichloropropane		5 U	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	10 U	10 U	5.0 U	5 UJ	5 U	5 UJ	8.3 J	5.0 U	5 UJ
2-Hexanone		10 U	10 U	5.0 U	5.0 U	5 UJ	5 U	5 U	5.0 U	5.0 U	5 UJ
4-Methyl-2-pentanone (MIBK)		10 U	10 UJ	5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	5.0 U	5 U
Acetone		10 U	10 U	10 U	5.0 U	5 UJ	5 UJ	5 UJ	10 U	5.0 U	5 UJ
Acrolein		25 U	25 UJ	—	12 U	12 U	12 U	12 UJ	—	12 U	12 U
Acrylonitrile		10 U	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
Benzene		110	130	1.7	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.65
Bromobenzene		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Bromochloromethane		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Bromodichloromethane		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Bromoform		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Bromomethane		2 U	2 U	1.0 UJ	1.0 UJ	1 U	1 U	1 U	1.0 U	1.0 UJ	1 U
Carbon disulfide		10 U	10 U	0.50 U	5.0 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.

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DRAFT
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-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17
	SDG ID	L0108729	L0111345	3886	L0102479	L0105431	L0108729	L0111345	3958	L0102674	L0105542
	Dilution Factor	2	2	1	1	1	1	1	1	1	1
	Sample Date	09/18/2001	12/03/2001	11/11/1999	03/21/2001	06/13/2001	09/18/2001	12/03/2001	11/18/1999	03/27/2001	06/18/2001
	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		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Chlorobenzene		3.4	18	0.50 U	1.8 U	0.5 U	0.5 U	0.62	0.50 U	1.8 U	0.5 U
Chloroethane		14	2 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 UJ	1.0 U	1 U
Chloroform		1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
Chloromethane		5 U	5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U
Dibromochloromethane		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Dibromomethane		10 U	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
Dichlorodifluoromethane		10 U	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
Diethyl ether		5 U	5 U	—	12 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U
Ethyl methacrylate		10 U	10 U	—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U
Ethylbenzene		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Hexachlorobutadiene		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Methyl iodide		10 U	10 U	—	5.0 UJ	5 U	5 U	5 U	—	5.0 UJ	5 UJ
Isopropylbenzene		2.3	2.2	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
Methyl tert butyl ether		2 U	2 U	—	2.0 U	1 U	1 U	1 U	—	2.0 U	1 U
Methylene chloride		10 U	5 U	2.0 U	2.5 U	5 U	5 U	2.5 U	2.0 U	2.5 U	5 U
Naphthalene		6.5	5.6	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Styrene		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Tetrachloroethene		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Tetrahydrofuran		20 U	20 U	—	10 U	10 U	10 U	10 U	—	10 U	10 U
Toluene		1.5 U	1.5 U	0.50 U	0.75 U	0.75 U	0.75 U	0.75 U	0.50 U	0.75 U	0.75 U
Trichloroethene		1 U	1 U	0.39 J	0.50 U	0.5 U	0.5 U	0.5 U	26	1.2	9.7
Trichlorofluoromethane		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
Vinyl acetate		10 U	10 U	—	5.0 U	5 UJ	5 U	5 U	—	5.0 U	5 UJ
Vinyl chloride		2 U	2 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene		1 U	1 U	2.8	0.50 U	0.5 U	0.5 U	0.5 U	2.1	0.50 U	9.9
cis-1,3-Dichloropropylene		1 U	1 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
n-Butylbenzene		1 U	3.4	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
n-Propylbenzene		2.2	2.5	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
2-Chlorotoluene		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
o-Xylene		1.6	1 U	—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U
4-Chlorotoluene		5 U	5 U	—	2.5 U	2.5 U	2.5 U	2.5 U	—	2.5 U	2.5 U
p-Isopropyltoluene		1 U	1 U	—	2.5 U	0.5 U	0.5 U	0.5 U	—	2.5 U	0.5 U
m,p-Xylenes		5.8	5.8	—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U
sec-Butylbenzene		1 U	1.1	—	2.5 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.

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17
	SDG ID	L0108729	L0111345	3886	L0102479	L0105431	L0108729	L0111345	3958	L0102674	L0105542
	Dilution Factor	2	2	1	1	1	1	1	1	1	1
	Sample Date	09/18/2001	12/03/2001	11/11/1999	03/21/2001	06/13/2001	09/18/2001	12/03/2001	11/18/1999	03/27/2001	06/18/2001
	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	—	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	1.5 U	0.50 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		1 U	1 U	0.50 U	0.50 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		5 U	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.

DRAFT
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-22A	MW-22A	MW-22A	MW-22A	MW-24	MW-24	MW-24	MW-24
	SDG ID	L0108838	L0111561	3970	L0102674	L0105542	L0109029	3886	L0102408	L0105431	L0108729
	Dilution Factor	1	1	25	10	5	5	100	100	100	100
	Sample Date	09/21/2001	12/05/2001	11/17/1999	03/27/2001	06/18/2001	09/27/2001	11/11/1999	03/19/2001	06/13/2001	09/19/2001
	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	—	25 U	2.5 U	2.5 U	—	250 U	50 U	50 U
1,1,1-Trichloroethane		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
1,1,2,2-Tetrachloroethane		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
1,1,2-Trichloroethane		0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.30 J	75 U	75 U	75 U
1,1-Dichloroethane		0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.50 U	75 U	75 U	75 U
1,1-Dichloroethene		0.5 U	0.5 U	12 U	7.5 U	2.5 U	2.5 U	1.1	75 U	50 U	50 U
1,1-Dichloropropene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,2,3-Trichloropropane		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
1,2,4-Trichlorobenzene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Benzene, 1,2,4-trimethyl		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Dibromochloropropane		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,2-Dibromoethane (EDB)		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,2-Dichlorobenzene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,2-Dichloroethane		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
1,2-Dichloropropane		1.8 U	1.8 U	12 U	18 U	8.8 U	8.8 U	0.50 U	180 U	180 U	180 U
Benzene, 1,3,5-trimethyl-		2.5 U	2.5 U	—	25 U	19	12 U	—	250 U	250 U	250 U
1,3-Dichlorobenzene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,3-Dichloropropane		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
1,4-Dichlorobenzene		2.5 U	2.5 U	—	28	12 U	12 U	—	250 U	250 U	250 U
1,4-Dichlorobutane		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
2,2-Dichloropropane		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
2-Butanone (MEK)		5 U	5 U	250 U	50 U	25 UJ	25 U	10 U	500 U	500 UJ	500 U
2-Hexanone		5 U	5 U	120 U	50 U	25 UJ	25 U	5.0 U	500 U	500 UJ	500 U
4-Methyl-2-pentanone (MIBK)		5 U	5 UJ	120 U	50 U	25 U	25 U	1.5 J	500 U	500 U	500 U
Acetone		5 U	5 U	250 U	130	25 UJ	25 UJ	10 U	500 U	500 UJ	500 U
Acrolein		12 U	12 UJ	—	120 U	62 U	62 U	—	1200 U	1200 U	1200 U
Acrylonitrile		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
Benzene		0.5 U	0.54	670	120	26	190	3100	5700	2400	5400
Bromobenzene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Bromochloromethane		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Bromodichloromethane		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
Bromoform		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
Bromomethane		1 U	1 U	25 U	10 UJ	5 U	5 U	1.0 UJ	100 UJ	100 U	100 U
Carbon disulfide		5 U	5 U	12 U	50 U	25 U	25 U	0.50 U	500 U	500 U	500 U

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-17	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24	MW-24	MW-24	MW-24
	SDG ID	L0108838	L0111561	3970	L0102674	L0105542	L0109029	3886	L0102408	L0105431	L0108729
	Dilution Factor	1	1	25	10	5	5	100	100	100	100
	Sample Date	09/21/2001	12/05/2001	11/17/1999	03/27/2001	06/18/2001	09/27/2001	11/11/1999	03/19/2001	06/13/2001	09/19/2001
	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	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
Chlorobenzene		0.5 U	0.5 U	42	140	5.1	12	95	220	130	270
Chloroethane		1 U	1 U	25 U	10 U	5 U	5 U	11	100 U	100 U	100 U
Chloroform		1.4	0.75 U	12 U	7.5 U	3.8 U	3.8 U	0.50 U	75 U	75 U	75 U
Chloromethane		2.5 U	2.5 U	25 UJ	50 U	12 U	12 U	1.0 U	500 U	250 U	250 U
Dibromochloromethane		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
Dibromomethane		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
Dichlorodifluoromethane		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
Diethyl ether		2.5 U	2.5 U	—	120 U	12 U	12 U	—	1200 U	250 U	250 U
Ethyl methacrylate		5 U	5 U	—	50 U	25 U	25 U	—	500 U	500 U	500 U
Ethylbenzene		0.5 U	0.5 U	190	11	2.9	23	3.1	50 U	50 U	50 U
Hexachlorobutadiene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Methyl iodide		5 U	5 U	—	50 UJ	25 UJ	25 U	—	500 UJ	500 U	500 U
Isopropylbenzene		0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—	250 U	50 U	50 U
Methyl tert butyl ether		1 U	1 U	—	20 U	5 U	5 U	—	200 U	100 U	100 U
Methylene chloride		5 U	2.5 U	50 U	25 U	25 U	25 U	2.0 U	250 U	500 U	500 U
Naphthalene		2.5 U	2.5 U	—	40	12 U	110	—	250 U	250 U	250 U
Styrene		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
Tetrachloroethene		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.11 J	50 U	50 U	50 U
Tetrahydrofuran		10 U	10 U	—	100 U	50 U	50 U	—	1000 U	1000 U	1000 U
Toluene		0.75 U	0.75 U	240	98	7.3	33	5.0	75 U	75 U	75 U
Trichloroethene		8.9	12	12 U	5.0 U	2.5 U	2.5 U	300	150	710	220
Trichlorofluoromethane		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
Vinyl acetate		5 U	5 U	—	50 U	25 UJ	25 U	—	500 U	500 UJ	500 U
Vinyl chloride		1 U	1.3	25 U	10 U	5 U	5 U	93 J	170	100 U	210
cis-1,2-Dichloroethene		8.1	15	12 U	5.2	2.5 U	2.5 U	210	290	240	490
cis-1,3-Dichloropropylene		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
n-Butylbenzene		0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—	250 U	50 U	50 U
n-Propylbenzene		0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—	250 U	50 U	50 U
2-Chlorotoluene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
o-Xylene		0.5 U	0.5 U	—	23	4.5	18	—	50 U	50 U	50 U
4-Chlorotoluene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 U	250 U	250 U
p-Isopropyltoluene		0.5 U	0.5 U	—	25 U	3.3	2.6	—	250 U	50 U	50 U
m,p-Xylenes		0.5 U	0.5 U	—	12	28	20	—	50 U	50 U	50 U
sec-Butylbenzene		0.5 U	0.5 U	—	25 U	2.5 U	2.5 U	—	250 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.

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

	Sample ID	MW-17	MW-17	MW-22A	MW-22A	MW-22A	MW-22A	MW-24	MW-24	MW-24	MW-24
	SDG ID	L0108838	L0111561	3970	L0102674	L0105542	L0109029	3886	L0102408	L0105431	L0108729
	Dilution Factor	1	1	25	10	5	5	100	100	100	100
	Sample Date	09/21/2001	12/05/2001	11/17/1999	03/27/2001	06/18/2001	09/27/2001	11/11/1999	03/19/2001	06/13/2001	09/19/2001
	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	—	25 U	12 U	12 U	—	250 U	250 U	250 U
trans-1,2-Dichloroethene		0.75 U	0.75 U	12 U	7.5 U	3.8 U	3.8 U	16	75 U	75 U	75 U
trans-1,3-Dichloropropene		0.5 U	0.5 U	12 U	5.0 U	2.5 U	2.5 U	0.50 U	50 U	50 U	50 U
trans-1,4-Dichloro-2-butene		2.5 U	2.5 U	—	25 U	12 U	12 U	—	250 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.

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

Compound	Sample ID	MW-24	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37
	SDG ID	L0111345	3958	L0102627	L0105431	L0109029	L0111394	4237	L0102627	L0105697	L0108767
	Dilution Factor	100	100	1	1	1	2	5	20	1	5
	Sample Date	12/03/2001	11/18/1999	03/23/2001	06/14/2001	09/26/2001	12/04/2001	12/19/1999	03/24/2001	06/22/2001	09/19/2001
	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	—	2.5 U	0.5 U	0.5 U	1 U	—	50 U	2.5 U	2.5 U
1,1,1-Trichloroethane		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
1,1,2-Trichloroethane		75 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U	2.5 U	15 U	3.8 U	3.8 U
1,1-Dichloroethane		75 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U	1.8 J	15 U	3.8 U	3.8 U
1,1-Dichloroethene		50 U	18 J	0.75 U	0.5 U	0.5 U	1 U	3.2	15 U	2.5 U	2.5 U
1,1-Dichloropropene		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,2,3-Trichlorobenzene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,2,3-Trichloropropane		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
1,2,4-Trichlorobenzene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
Benzene, 1,2,4-trimethyl		250 UJ	—	2.5 U	14	3.7	5 U	—	50 U	12 U	12 U
Dibromochloropropane		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,2-Dibromoethane (EDB)		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,2-Dichlorobenzene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,2-Dichloroethane		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	0.90 J	10 U	2.5 U	2.5 U
1,2-Dichloropropane		180 U	50 U	1.8 U	1.8 U	1.8 U	3.5 U	2.5 U	35 U	8.8 U	8.8 U
Benzene, 1,3,5-trimethyl-		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,3-Dichlorobenzene		250 UJ	—	2.5 U	3	3.9	5 U	—	50 U	12 U	12 U
1,3-Dichloropropane		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
1,4-Dichlorobenzene		250 UJ	—	7.8	11	14	13	—	50 U	12 U	12 U
1,4-Dichlorobutane		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
2,2-Dichloropropane		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
2-Butanone (MEK)		500 U	1000 U	5.0 U	5 UJ	5 U	10 U	50 U	100 U	25 U	25 U
2-Hexanone		500 U	500 U	5.0 U	5 UJ	5 U	10 UJ	25 U	100 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)		500 UJ	500 U	5.0 U	5 U	5 U	10 UJ	25 U	100 U	25 U	25 U
Acetone		500 U	1000 U	5.0 UJ	5 UJ	5 U	10 U	50 U	100 UJ	25 U	25 U
Acrolein		1200 UJ	—	12 U	12 U	12 U	25 UJ	—	250 U	62 U	62 U
Acrylonitrile		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
Benzene		5200 J	470	56	71	100	100	30	10 U	2.5 U	2.5 U
Bromobenzene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
Bromochloromethane		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
Bromodichloromethane		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
Bromoform		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
Bromomethane		100 U	100 U	1.0 UJ	1 U	1 U	2 U	5.0 U	20 UJ	5 U	5 UJ
Carbon disulfide		500 U	50 U	5.0 U	5 U	5 U	10 U	2.5 U	100 U	25 U	25 U

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

	Sample ID	MW-24	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37
	SDG ID	L0111345	3958	L0102627	L0105431	L0109029	L0111394	4237	L0102627	L0105697	L0108767
	Dilution Factor	100	100	1	1	1	2	5	20	1	5
	Sample Date	12/03/2001	11/18/1999	03/23/2001	06/14/2001	09/26/2001	12/04/2001	12/19/1999	03/24/2001	06/22/2001	09/19/2001
	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		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
Chlorobenzene		200 J	320	40	54	80	65	51	35 U	2.5 U	2.5 U
Chloroethane		100 U	100 UJ	5.3	1 U	9.6	2 U	5.0 UJ	20 U	5 U	5 U
Chloroform		75 U	50 U	0.75 U	0.75 U	0.75 U	1.5 U	2.5 U	15 U	3.8 U	3.8 U
Chloromethane		250 U	100 U	5.0 U	2.5 U	2.5 U	5 U	5.0 U	100 U	12 U	12 U
Dibromochloromethane		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
Dibromomethane		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
Dichlorodifluoromethane		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
Diethyl ether		250 U	—	12 U	2.5 U	2.5 U	5 U	—	250 U	12 U	12 U
Ethyl methacrylate		500 U	—	5.0 U	5 U	5 U	10 U	—	100 U	25 U	25 U
Ethylbenzene		50 UJ	93	2.3	2.2	3.6	3.3	23	10 U	2.5 U	2.5 U
Hexachlorobutadiene		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
Methyl iodide		500 U	—	5.0 UJ	5 U	5 U	10 U	—	100 UJ	25 U	25 UJ
Isopropylbenzene		50 UJ	—	10	15	9.6	17	—	50 U	2.5 U	2.5 U
Methyl tert butyl ether		100 U	—	2.0 U	1 U	1 U	2 U	—	40 U	5 U	5 U
Methylene chloride		250 U	200 U	2.5 U	5 U	5 U	5 U	10 U	50 U	25 U	25 U
Naphthalene		250 UJ	—	2.5 U	13	4.5	5 U	—	50 U	12 U	12 U
Styrene		50 UJ	50 U	0.50 U	0.5 U	0.5 U	1 U	0.90 J	10 U	2.5 U	2.5 U
Tetrachloroethene		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
Tetrahydrofuran		1000 U	—	10 U	10 U	10 U	20 U	—	200 U	50 U	50 U
Toluene		75 UJ	74	0.92	1.2	2.2	1.5 U	23	15 U	3.8 U	3.8 U
Trichloroethene		140	160	0.50 U	0.5 U	0.5 U	1 U	92	10 U	2.5 U	2.5 U
Trichlorofluoromethane		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
Vinyl acetate		500 U	—	5.0 U	5 UJ	5 U	10 U	—	100 U	25 U	25 U
Vinyl chloride		180	1700	19	11	32	24	460	23	15	20
cis-1,2-Dichloroethene		320	11000	45	23	50	51	1600	86	49	63
cis-1,3-Dichloropropylene		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
n-Butylbenzene		50 UJ	—	2.5 U	1.4	0.74	3.4	—	50 U	2.5 U	2.5 U
n-Propylbenzene		50 UJ	—	2.5 U	3.2	0.7	2.6	—	50 U	2.5 U	2.5 U
2-Chlorotoluene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
o-Xylene		50 UJ	—	1.1	1.9	2	1.1	—	10 U	2.5 U	2.5 U
4-Chlorotoluene		250 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
p-Isopropyltoluene		50 UJ	—	2.5 U	0.5 U	0.5 U	1 U	—	50 U	2.5 U	2.5 U
m,p-Xylenes		50 UJ	—	3.3	3.7	5.4	4.1	—	10 U	2.5 U	2.5 U
sec-Butylbenzene		50 UJ	—	2.5 U	1	0.5 U	1 U	—	50 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.

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

	Sample ID	MW-24	GCA-1	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37
	SDG ID	L0111345	3958	L0102627	L0105431	L0109029	L0111394	4237	L0102627	L0105697	L0108767
	Dilution Factor	100	100	1	1	1	2	5	20	1	5
	Sample Date	12/03/2001	11/18/1999	03/23/2001	06/14/2001	09/26/2001	12/04/2001	12/19/1999	03/24/2001	06/22/2001	09/19/2001
	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 UJ	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U
trans-1,2-Dichloroethene		75 U	52	0.75 U	0.75 U	0.75 U	1.5 U	8.8	15 U	3.8 U	3.8 U
trans-1,3-Dichloropropene		50 U	50 U	0.50 U	0.5 U	0.5 U	1 U	2.5 U	10 U	2.5 U	2.5 U
trans-1,4-Dichloro-2-butene		250 U	—	2.5 U	2.5 U	2.5 U	5 U	—	50 U	12 U	12 U

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

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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-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	4237	L0102627	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	5	1	100	10	40	50	2000	400	400	500
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001
	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	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U
1,1,1-Trichloroethane		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
1,1,2,2-Tetrachloroethane		2.5 U	0.50 U	50 U	50 U	20 UJ	25 U	0.50 U	200 U	200 U	250 UJ
1,1,2-Trichloroethane		3.8 U	0.50 U	75 U	75 U	30 U	38 U	43	300 U	300 U	380 U
1,1-Dichloroethane		3.8 U	0.50 U	75 U	75 U	30 U	38 U	0.50 U	300 U	300 U	380 U
1,1-Dichloroethene		2.5 U	86 J	75 U	50 U	20 U	25 U	480 J	300 U	200 U	250 U
1,1-Dichloropropene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,2,3-Trichlorobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,2,3-Trichloropropane		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
1,2,4-Trichlorobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Benzene, 1,2,4-trimethyl		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Dibromochloropropane		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,2-Dibromoethane (EDB)		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,2-Dichlorobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,2-Dichloroethane		2.5 U	7.4	50 U	50 U	20 U	25 U	15	200 U	200 U	250 U
1,2-Dichloropropane		8.8 U	0.50 U	180 U	180 U	70 U	88 U	0.50 U	700 U	700 U	880 U
Benzene, 1,3,5-trimethyl-		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,3-Dichlorobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,3-Dichloropropane		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,4-Dichlorobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
1,4-Dichlorobutane		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
2,2-Dichloropropane		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
2-Butanone (MEK)		25 U	10 U	500 U	500 U	200 U	250 U	10 U	2000 U	2000 U	2500 U
2-Hexanone		25 UJ	5.0 U	500 U	500 U	200 U	250 UJ	5.0 U	2000 U	2000 U	2500 U
4-Methyl-2-pentanone (MIBK)		25 UJ	5.0 U	500 U	500 U	200 U	250 UJ	5.0 U	2000 U	2000 U	2500 U
Acetone		25 U	10 U	500 UJ	500 U	200 U	250 U	10 U	2000 UJ	2000 U	2500 U
Acrolein		62 UJ	—	1200 U	1200 U	500 U	620 UJ	—	5000 U	5000 U	6200 U
Acrylonitrile		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
Benzene		2.5 U	96 J	50 U	50 U	20 U	25 U	140 J	200 U	200 U	250 U
Bromobenzene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Bromochloromethane		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Bromodichloromethane		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
Bromoform		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
Bromomethane		5 U	1.0 U	100 UJ	100 U	40 U	50 U	1.0 U	400 UJ	400 U	500 U
Carbon disulfide		25 U	0.50 U	500 U	500 U	200 U	250 U	0.50 U	2000 U	2000 U	2500 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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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-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	4237	L0102627	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	5	1	100	10	40	50	2000	400	400	500
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001
	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	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
Chlorobenzene		5	7.6	180 U	50 U	20 U	25 U	2.2	700 U	200 U	250 U
Chloroethane		5 U	1.0 UJ	100 U	100 U	40 U	50 U	1.0 UJ	400 U	400 U	500 U
Chloroform		3.8 U	0.50 U	75 U	75 U	30 U	38 U	0.50 U	300 U	300 U	380 U
Chloromethane		12 U	1.0 U	500 U	250 U	100 U	120 U	1.0 U	2000 U	1000 U	1200 U
Dibromochloromethane		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
Dibromomethane		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
Dichlorodifluoromethane		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
Diethyl ether		12 U	—	1200 U	250 U	100 U	120 U	—	5000 U	1000 U	1200 U
Ethyl methacrylate		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
Ethylbenzene		2.5 U	260 J	50 U	50 U	20 U	25 U	1900	680	790	930
Hexachlorobutadiene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Methyl iodide		25 U	—	500 UJ	500 U	200 UJ	250 U	—	2000 UJ	2000 U	2500 UJ
Isopropylbenzene		2.5 U	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U
Methyl tert butyl ether		5 U	—	200 U	100 U	40 U	50 U	—	800 U	400 U	500 U
Methylene chloride		25 U	2.0 U	250 U	500 U	200 U	250 U	2.0 U	1000 U	2000 U	2500 U
Naphthalene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Styrene		2.5 U	2.9	50 U	50 U	20 U	25 U	1.8	200 U	200 U	250 U
Tetrachloroethene		2.5 U	0.50 U	50 U	50 U	20 U	25 U	3.1	200 U	200 U	250 U
Tetrahydrofuran		50 U	—	1000 U	1000 U	400 U	500 U	—	4000 U	4000 U	5000 U
Toluene		3.8 U	120 J	75 U	75 U	30 U	38 U	360 J	300 U	360	400
Trichloroethene		2.5 U	9.2	50 U	50 U	20 U	25 U	19000	200 U	200 U	250 U
Trichlorofluoromethane		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
Vinyl acetate		25 U	—	500 U	500 U	200 U	250 U	—	2000 U	2000 U	2500 U
Vinyl chloride		13	15000	1600	1200	880	460	2700	5100	8900	11000
cis-1,2-Dichloroethene		46	57000	7700	4100	2300 J	1400	120000	21000	27000	26000
cis-1,3-Dichloropropylene		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
n-Butylbenzene		2.5 U	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U
n-Propylbenzene		2.5 U	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U
2-Chlorotoluene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
o-Xylene		2.5 U	—	50 U	50 U	20 U	25 U	—	200 U	200 U	250 U
4-Chlorotoluene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
p-Isopropyltoluene		2.5 U	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U
m,p-Xylenes		2.5 U	—	50 U	50 U	20 U	25 U	—	200 U	200 U	250 U
sec-Butylbenzene		2.5 U	—	250 U	50 U	20 U	25 U	—	1000 U	200 U	250 U

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	ECJ-1-37	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72
	SDG ID	L0111395	4237	L0102627	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	5	1	100	10	40	50	2000	400	400	500
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001
	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	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U
trans-1,2-Dichloroethene		3.8 U	340 J	110	83	30 U	38 U	620 J	300 U	300 U	380 U
trans-1,3-Dichloropropene		2.5 U	0.50 U	50 U	50 U	20 U	25 U	0.50 U	200 U	200 U	250 U
trans-1,4-Dichloro-2-butene		12 U	—	250 U	250 U	100 U	120 U	—	1000 U	1000 U	1200 U

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

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DRAFT
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-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0111395	4237	L0102625	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	500	2000	100	100	100	100	1000	1000	1000	400
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	03/24/2001	06/21/2001	09/19/2001
	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		250 U	—	250 U	50 U	50 U	50 U	—	2500 U	500 U	200 U
1,1,1-Trichloroethane		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
1,1,2,2-Tetrachloroethane		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 UJ
1,1,2-Trichloroethane		380 U	0.50 U	75 U	75 U	75 U	75 U	0.22 J	750 U	750 U	300 U
1,1-Dichloroethane		380 U	0.50 U	75 U	75 U	75 U	75 U	0.50 U	750 U	750 U	300 U
1,1-Dichloroethene		250 U	170 J	75 U	50 U	50 U	50 U	110 J	750 U	500 U	200 U
1,1-Dichloropropene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,2,3-Trichlorobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,2,3-Trichloropropane		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
1,2,4-Trichlorobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Benzene, 1,2,4-trimethyl		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Dibromochloropropane		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,2-Dibromoethane (EDB)		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,2-Dichlorobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,2-Dichloroethane		250 U	11	50 U	50 U	50 U	50 U	2.8	500 U	500 U	200 U
1,2-Dichloropropane		880 U	0.50 U	180 U	180 U	180 U	180 U	0.50 U	1800 U	1800 U	700 U
Benzene, 1,3,5-trimethyl-		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,3-Dichlorobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,3-Dichloropropane		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,4-Dichlorobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
1,4-Dichlorobutane		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
2,2-Dichloropropane		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
2-Butanone (MEK)		2500 U	10 U	500 U	500 U	500 U	500 U	10 U	5000 UJ	5000 U	2000 U
2-Hexanone		2500 UJ	5.0 U	500 U	500 U	500 U	500 UJ	5.0 U	5000 U	5000 U	2000 U
4-Methyl-2-pentanone (MIBK)		2500 UJ	5.0 U	500 U	500 U	500 U	500 UJ	5.0 U	5000 U	5000 U	2000 U
Acetone		2500 U	10 U	500 UJ	500 U	500 U	500 U	10 U	5000 U	5000 U	2000 U
Acrolein		6200 UJ	—	1200 U	1200 U	1200 U	1200 UJ	—	12000 U	12000 U	5000 U
Acrylonitrile		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
Benzene		250 U	150 J	290	400	310	160	45	500 U	500 U	200 U
Bromobenzene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Bromochloromethane		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Bromodichloromethane		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Bromoform		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Bromomethane		500 U	1.0 U	100 UJ	100 U	100 U	100 U	1.0 U	1000 UJ	1000 U	400 U
Carbon disulfide		2500 U	0.50 U	500 U	500 U	500 U	500 U	0.50 U	5000 U	5000 U	2000 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0111395	4237	L0102625	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	500	2000	100	100	100	100	1000	1000	1000	400
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	03/24/2001	06/21/2001	09/19/2001
	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	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Chlorobenzene		250 U	2.6	180 U	180	160	93	1.6	1800 U	500 U	200 U
Chloroethane		500 U	1.0 UJ	100 U	100 U	100 U	100 U	1.0 UJ	1000 U	1000 U	400 U
Chloroform		380 U	0.50 U	75 U	75 U	75 U	75 U	0.50 U	750 U	750 U	300 U
Chloromethane		1200 U	1.0 U	500 U	250 U	250 U	250 U	1.0 U	5000 U	2500 U	1000 U
Dibromochloromethane		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Dibromomethane		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
Dichlorodifluoromethane		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
Diethyl ether		1200 U	—	1200 U	250 U	250 U	250 U	—	12000 U	2500 U	1000 U
Ethyl methacrylate		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
Ethylbenzene		770	2000	450	830	480	150	1500	3200	4100	400
Hexachlorobutadiene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Methyl iodide		2500 U	—	500 UJ	500 U	500 U	500 U	—	5000 U	5000 U	2000 UJ
Isopropylbenzene		250 U	—	250 U	50 U	50 U	50 U	—	2500 U	500 U	200 U
Methyl tert butyl ether		500 U	—	200 U	100 U	100 U	100 U	—	2000 U	1000 U	400 U
Methylene chloride		2500 U	2.0 U	250 U	500 U	500 U	500 U	2.0 U	2500 U	5000 U	2000 U
Naphthalene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Styrene		250 U	0.91	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Tetrachloroethene		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
Tetrahydrofuran		5000 U	—	1000 U	1000 U	1000 U	1000 U	—	10000 U	10000 U	4000 U
Toluene		380 U	1100	92	110	90	75 U	110 J	2700	3900	430
Trichloroethene		250 U	11	50 U	50 U	140	3200	3.6	500 U	500 U	820
Trichlorofluoromethane		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
Vinyl acetate		2500 U	—	500 U	500 U	500 U	500 U	—	5000 U	5000 U	2000 U
Vinyl chloride		10000	6100	1200	3200	690	560	3400	4700	6500	620
cis-1,2-Dichloroethene		31000	62000	6500	3500	4800	9100	31000	64000	88000	14000
cis-1,3-Dichloropropylene		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
n-Butylbenzene		250 U	—	250 U	50 U	50 U	50 U	—	2500 U	500 U	200 U
n-Propylbenzene		250 U	—	250 U	50 U	50 U	50 U	—	2500 U	500 U	200 U
2-Chlorotoluene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
o-Xylene		250 U	—	50 U	50 U	50 U	50 U	—	500 U	500 U	200 U
4-Chlorotoluene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U
p-Isopropyltoluene		250 U	—	250 U	50 U	50 U	50 U	—	2500 U	500 U	200 U
m,p-Xylenes		250 U	—	50 U	50 U	50 U	50 U	—	500 U	500 U	200 U
sec-Butylbenzene		250 U	—	250 U	50 U	50 U	50 U	—	2500 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.

DRAFT
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-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148
	SDG ID	L0111395	4237	L0102625	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	500	2000	100	100	100	100	1000	1000	1000	400
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	03/24/2001	06/21/2001	09/19/2001
	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	250 U	—	2500 U	2500 U	1000 U
trans-1,2-Dichloroethene		380 U	320 J	75 U	75 U	75 U	75 U	290 J	750 U	2100	300 U
trans-1,3-Dichloropropene		250 U	0.50 U	50 U	50 U	50 U	50 U	0.50 U	500 U	500 U	200 U
trans-1,4-Dichloro-2-butene		1200 U	—	250 U	250 U	250 U	250 U	—	2500 U	2500 U	1000 U

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O'BRIEN & GERE ENGINEERS, INC.

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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-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47
	SDG ID	L0111395	4237	L0102597	L0105697	L0108729	L0111344	4345	L0102765	L0105640	L0108838
	Dilution Factor	400	10	2	5	1	1	100	40	40	40
	Sample Date	12/04/2001	12/17/1999	03/23/2001	06/21/2001	09/19/2001	12/03/2001	01/03/2000	03/29/2001	06/20/2001	09/21/2001
	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	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U
1,1,1-Trichloroethane		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane		200 U	0.50 U	1.0 U	0.5 U	0.5 UJ	0.5 U	50 U	20 U	20 U	20 U
1,1,2-Trichloroethane		300 U	0.50 U	1.5 U	0.75 U	0.75 U	0.75 U	50 U	30 U	30 U	30 U
1,1-Dichloroethane		300 U	0.33 J	1.5 U	0.75 U	0.75 U	0.75 U	50 U	30 U	30 U	30 U
1,1-Dichloroethene		200 U	0.1 J	1.5 U	0.5 U	0.5 U	0.5 U	50 U	30 U	20 U	20 U
1,1-Dichloropropene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,2,3-Trichlorobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,2,3-Trichloropropane		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
1,2,4-Trichlorobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Benzene, 1,2,4-trimethyl		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Dibromochloropropane		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,2-Dibromoethane (EDB)		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,2-Dichlorobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,2-Dichloroethane		200 U	0.1 J	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
1,2-Dichloropropane		700 U	0.50 U	3.5 U	1.8 U	1.8 U	1.8 U	50 U	70 U	70 U	70 U
Benzene, 1,3,5-trimethyl-		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,3-Dichlorobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,3-Dichloropropane		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,4-Dichlorobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
1,4-Dichlorobutane		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
2,2-Dichloropropane		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
2-Butanone (MEK)		2000 U	10 U	10 U	5 U	5 U	5 UJ	1000 U	200 U	200 U	200 U
2-Hexanone		2000 UJ	5.0 U	10 U	5 U	5 U	5 U	500 U	200 U	200 U	200 UJ
4-Methyl-2-pentanone (MIBK)		2000 UJ	5.0 U	10 U	5 U	5 U	5 U	500 U	200 U	200 U	200 U
Acetone		2000 U	10 U	10 UJ	5 U	5 U	5 UJ	1000 U	200 UJ	200 U	200 U
Acrolein		5000 UJ	—	25 U	12 U	12 U	12 UJ	—	500 U	500 U	500 U
Acrylonitrile		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
Benzene		200 U	4.2	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Bromobenzene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Bromochloromethane		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Bromodichloromethane		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Bromoform		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Bromomethane		400 U	1.0 U	2.0 UJ	1 U	1 U	1 U	100 U	40 UJ	40 UJ	40 U
Carbon disulfide		2000 U	0.50 U	10 U	5 U	5 U	5 U	50 U	200 U	200 U	200 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47
	SDG ID	L0111395	4237	L0102597	L0105697	L0108729	L0111344	4345	L0102765	L0105640	L0108838
	Dilution Factor	400	10	2	5	1	1	100	40	40	40
	Sample Date	12/04/2001	12/17/1999	03/23/2001	06/21/2001	09/19/2001	12/03/2001	01/03/2000	03/29/2001	06/20/2001	09/21/2001
	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	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Chlorobenzene		200 U	1.0	3.5 U	0.5 U	0.5 U	0.5 U	17 J	70 U	24	21
Chloroethane		400 U	1.0 UJ	2.0 U	1 U	1 U	1 U	100 UJ	40 U	40 U	40 U
Chloroform		300 U	0.50 U	1.5 U	0.75 U	0.75 U	0.75 U	50 U	30 U	30 U	30 U
Chloromethane		1000 U	1.0 U	10 U	2.5 U	2.5 U	2.5 U	100 U	200 U	100 U	100 U
Dibromochloromethane		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Dibromomethane		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
Dichlorodifluoromethane		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
Diethyl ether		1000 U	—	25 U	2.5 U	2.5 U	2.5 U	—	500 U	100 U	100 U
Ethyl methacrylate		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
Ethylbenzene		550	130	2.9	1.2	0.78	0.88	50 U	20 U	20 U	20 U
Hexachlorobutadiene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Methyl iodide		2000 U	—	10 U	5 U	5 UJ	5 U	—	200 UJ	200 UJ	200 U
Isopropylbenzene		200 U	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U
Methyl tert butyl ether		400 U	—	4.0 U	1 U	1 U	1 U	—	80 U	40 U	40 U
Methylene chloride		2000 U	2.0 U	5.0 U	5 U	5 U	2.5 U	200 U	100 U	200 U	200 U
Naphthalene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Styrene		200 U	0.11 J	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Tetrachloroethene		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
Tetrahydrofuran		4000 U	—	20 U	10 U	10 U	10 U	—	400 U	400 U	400 U
Toluene		300 U	4.2	2.2	1	1.1	1.2	50 U	30 U	30 U	30 U
Trichloroethene		1000	3.8	33	29	29	40	21 J	20 J	20 U	20 U
Trichlorofluoromethane		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
Vinyl acetate		2000 U	—	10 U	5 U	5 U	5 U	—	200 U	200 U	200 U
Vinyl chloride		970	1.1	2.0 U	1.5	1 U	1.4	180	200	480	390
cis-1,2-Dichloroethene		16000	13	12	7.1	6.6	9	2300	1700	1700	1100
cis-1,3-Dichloropropylene		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
n-Butylbenzene		200 U	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U
n-Propylbenzene		200 U	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U
2-Chlorotoluene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
o-Xylene		200 U	—	1.0 U	0.5 U	0.5 U	0.5 U	—	20 U	20 U	20 U
4-Chlorotoluene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
p-Isopropyltoluene		200 U	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U
m,p-Xylenes		200 U	—	1.0 U	0.5 U	0.5 U	0.5 U	—	20 U	20 U	20 U
sec-Butylbenzene		200 U	—	5.0 U	0.5 U	0.5 U	0.5 U	—	100 U	20 U	20 U

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

O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	ECJ-1-148	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47
	SDG ID	L0111395	4237	L0102597	L0105697	L0108729	L0111344	4345	L0102765	L0105640	L0108838
	Dilution Factor	400	10	2	5	1	1	100	40	40	40
	Sample Date	12/04/2001	12/17/1999	03/23/2001	06/21/2001	09/19/2001	12/03/2001	01/03/2000	03/29/2001	06/20/2001	09/21/2001
	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	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U
trans-1,2-Dichloroethene		300 U	1.0	1.5 U	0.75 U	0.75 U	0.75 U	15 J	30 U	64	30 U
trans-1,3-Dichloropropene		200 U	0.50 U	1.0 U	0.5 U	0.5 U	0.5 U	50 U	20 U	20 U	20 U
trans-1,4-Dichloro-2-butene		1000 U	—	5.0 U	2.5 U	2.5 U	2.5 U	—	100 U	100 U	100 U

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

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DRAFT
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-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117
	SDG ID	L0111491	4345	L0102727	L0105640	L0108838	L0111491	4345	L0102727	L0105640	L0108838
	Dilution Factor	40	250	200	400	400	400	1000	400	400	400
	Sample Date	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001
	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		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U
1,1,1-Trichloroethane		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
1,1,2,2-Tetrachloroethane		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
1,1,2-Trichloroethane		30 U	120 U	150 U	300 U	300 U	300 U	500 U	300 U	300 U	300 U
1,1-Dichloroethane		30 U	120 U	150 U	300 U	300 U	300 U	500 U	300 U	300 U	300 U
1,1-Dichloroethene		20 U	120 U	150 U	200 U	200 U	200 U	500 U	300 U	200 U	200 U
1,1-Dichloropropene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,2,3-Trichlorobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,2,3-Trichloropropane		200 U	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
1,2,4-Trichlorobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Benzene, 1,2,4-trimethyl		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Dibromochloropropane		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,2-Dibromoethane (EDB)		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,2-Dichlorobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,2-Dichloroethane		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
1,2-Dichloropropane		70 U	120 U	350 U	700 U	700 U	700 U	500 U	700 U	700 U	700 U
Benzene, 1,3,5-trimethyl-		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,3-Dichlorobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,3-Dichloropropane		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,4-Dichlorobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
1,4-Dichlorobutane		200 U	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
2,2-Dichloropropane		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
2-Butanone (MEK)		200 U	2500 U	1000 U	2000 U	2000 U	2000 U	10000 U	2000 U	2000 U	2000 U
2-Hexanone		200 U	1200 U	1000 U	2000 U	2000 U	2000 UJ	5000 U	2000 U	2000 U	2000 U
4-Methyl-2-pentanone (MIBK)		200 U	1200 U	1000 U	2000 U	2000 U	2000 UJ	5000 U	2000 U	2000 U	2000 U
Acetone		200 U	2500 U	1000 U	2000 U	2000 U	2000 U	10000 U	2000 UJ	2000 U	2000 U
Acrolein		500 U	—	2500 U	5000 U	5000 U	5000 UJ	—	5000 U	5000 U	5000 U
Acrylonitrile		200 U	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
Benzene		20 U	80 J	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Bromobenzene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Bromochloromethane		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Bromodichloromethane		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Bromoform		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Bromomethane		40 U	250 U	200 UJ	400 UJ	400 U	400 U	1000 U	400 UJ	400 UJ	400 U
Carbon disulfide		200 U	120 U	1000 U	2000 U	2000 U	2000 U	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.

DRAFT
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-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117
	SDG ID	L0111491	4345	L0102727	L0105640	L0108838	L0111491	4345	L0102727	L0105640	L0108838
	Dilution Factor	40	250	200	400	400	400	1000	400	400	400
	Sample Date	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001
	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		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Chlorobenzene		21	120 U	350 U	200 U	200 U	200 U	500 U	700 U	200 U	200 U
Chloroethane		40 U	250 UJ	200 U	400 U	400 U	400 U	1000 UJ	400 U	400 U	400 U
Chloroform		30 U	120 U	150 U	300 U	300 U	300 U	500 U	300 U	300 U	300 U
Chloromethane		100 U	250 U	1000 U	1000 U	1000 U	1000 U	1000 U	2000 U	1000 U	1000 U
Dibromochloromethane		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Dibromomethane		200 U	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
Dichlorodifluoromethane		200 UJ	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
Diethyl ether		100 U	—	2500 U	1000 U	1000 U	1000 U	—	5000 U	1000 U	1000 U
Ethyl methacrylate		200 U	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
Ethylbenzene		20 U	1000 U	710	990	880	880	1400	850	1700	1400
Hexachlorobutadiene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Methyl iodide		200 U	—	1000 U	2000 UJ	2000 U	2000 U	—	2000 UJ	2000 UJ	2000 U
Isopropylbenzene		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U
Methyl tert butyl ether		40 U	—	400 U	400 U	400 U	400 U	—	800 U	400 U	400 U
Methylene chloride		100 U	500 U	500 U	2000 U	2000 U	1000 U	2000 U	1000 U	2000 U	2000 U
Naphthalene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Styrene		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Tetrachloroethene		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Tetrahydrofuran		400 U	—	2000 U	4000 U	4000 U	4000 U	—	4000 U	4000 U	4000 U
Toluene		30 U	940	740	1000	860	1000	1600	880	1700	1200
Trichloroethene		70	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
Trichlorofluoromethane		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
Vinyl acetate		200 UJ	—	1000 U	2000 U	2000 U	2000 U	—	2000 U	2000 U	2000 U
Vinyl chloride		280	14000	14000	22000	14000	16000	8100	18000	21000	11000
cis-1,2-Dichloroethene		1800	860	530	200 U	200 U	930	44000	10000	26000	24000
cis-1,3-Dichloropropylene		20 U	120 U	100 U	200 U	200 U	200 U	1000 U	200 U	200 U	200 U
n-Butylbenzene		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U
n-Propylbenzene		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U
2-Chlorotoluene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
o-Xylene		20 U	—	100 U	200 U	200 U	200 U	—	200 U	200 U	200 U
4-Chlorotoluene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
p-Isopropyltoluene		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U
m,p-Xylenes		20 U	—	100 U	200 U	200 U	200 U	—	200 U	200 U	200 U
sec-Butylbenzene		20 U	—	500 U	200 U	200 U	200 U	—	1000 U	200 U	200 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117
	SDG ID	L0111491	4345	L0102727	L0105640	L0108838	L0111491	4345	L0102727	L0105640	L0108838
	Dilution Factor	40	250	200	400	400	400	1000	400	400	400
	Sample Date	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001
	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	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U
trans-1,2-Dichloroethene		30 U	62 J	150 U	300 U	300 U	300 U	280 J	300 U	1200	300 U
trans-1,3-Dichloropropene		20 U	120 U	100 U	200 U	200 U	200 U	500 U	200 U	200 U	200 U
trans-1,4-Dichloro-2-butene		100 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	1000 U	1000 U

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

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O'BRIEN & GERE ENGINEERS, INC.

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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-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-2-187
	SDG ID	L0111491	4249	L0102727	L0105640	L0108767	L0111491	4249	L0102727	L0105542	L0108767
	Dilution Factor	500	10	50	100	100	100	100	100	1	1000
	Sample Date	12/05/2001	12/20/1999	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/19/1999	03/28/2001	06/19/2001	09/20/2001
	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		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U
1,1,1-Trichloroethane		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
1,1,2,2-Tetrachloroethane		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
1,1,2-Trichloroethane		380 U	5.0 U	38 U	75 U	75 U	75 U	5.0 U	75 U	0.75 U	750 U
1,1-Dichloroethane		380 U	2.9 J	38 U	75 U	75 U	75 U	1.8 J	75 U	0.75 U	750 U
1,1-Dichloroethene		250 U	5.0 U	38 U	50 U	50 U	50 U	5.0 U	75 U	0.5 U	500 U
1,1-Dichloropropene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,2,3-Trichlorobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,2,3-Trichloropropane		2500 U	—	250 U	500 U	500 U	500 U	—	500 U	5 U	5000 U
1,2,4-Trichlorobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Benzene, 1,2,4-trimethyl		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Dibromochloropropane		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,2-Dibromoethane (EDB)		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,2-Dichlorobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,2-Dichloroethane		250 U	2.6 J	25 U	50 U	50 U	50 U	3.6 J	50 U	0.5 U	500 U
1,2-Dichloropropane		880 U	5.0 U	88 U	180 U	180 U	180 U	5.0 U	180 U	1.8 U	1800 U
Benzene, 1,3,5-trimethyl-		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,3-Dichlorobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,3-Dichloropropane		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,4-Dichlorobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
1,4-Dichlorobutane		2500 U	—	250 U	500 U	500 U	500 U	—	500 U	5 U	5000 U
2,2-Dichloropropane		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
2-Butanone (MEK)		2500 U	100 UJ	250 U	500 U	500 U	500 U	100 U	500 U	5 U	5000 U
2-Hexanone		2500 U	50 U	250 U	500 U	500 U	500 U	50 U	500 U	5 U	5000 U
4-Methyl-2-pentanone (MIBK)		2500 U	50 U	880	920	740	820	50 U	500 U	5 U	5000 U
Acetone		2500 U	100 U	250 UJ	500 U	500 U	500 U	100 U	500 UJ	5 U	5000 U
Acrolein		6200 U	—	620 U	1200 U	1200 U	1200 U	—	1200 U	12 U	12000 U
Acrylonitrile		2500 U	—	250 U	500 U	500 U	500 U	—	500 U	12	5000 U
Benzene		250 U	20	35	50 U	50 U	50 U	21	50 U	1.8	500 U
Bromobenzene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Bromochloromethane		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Bromodichloromethane		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
Bromoform		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
Bromomethane		500 U	10 U	50 UJ	100 UJ	100 UJ	100 U	10 U	100 UJ	1 UJ	1000 U
Carbon disulfide		2500 U	5.0 U	250 U	500 U	500 U	500 U	5.0 U	500 U	5 U	5000 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-2-187
	SDG ID	L0111491	4249	L0102727	L0105640	L0108767	L0111491	4249	L0102727	L0105542	L0108767
	Dilution Factor	500	10	50	100	100	100	100	100	1	1000
	Sample Date	12/05/2001	12/20/1999	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/19/1999	03/28/2001	06/19/2001	09/20/2001
	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		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
Chlorobenzene		250 U	5.0 U	88 U	50 U	50 U	50 U	2.6 J	180 U	0.97	500 U
Chloroethane		500 U	10 UJ	50 U	100 U	100 U	100 U	10 UJ	100 U	1 U	1000 U
Chloroform		380 U	5.0 U	38 U	75 U	75 U	75 U	5.0 U	75 U	0.75 U	750 U
Chloromethane		1200 U	10 U	250 U	250 U	250 U	250 U	10 U	500 U	2.5 U	2500 U
Dibromochloromethane		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
Dibromomethane		2500 U	—	250 U	500 U	500 U	500 U	—	500 U	5 U	5000 U
Dichlorodifluoromethane		2500 UJ	—	250 U	500 U	500 U	500 UJ	—	500 U	5 U	5000 U
Diethyl ether		1200 U	—	620 U	250 U	250 U	250 U	—	1200 U	2.5 U	2500 U
Ethyl methacrylate		2500 U	—	250 U	500 U	500 U	500 U	—	500 U	5 U	5000 U
Ethylbenzene		1400	64	69	100	110	150	170	130	14	1300
Hexachlorobutadiene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Methyl iodide		2500 U	—	250 UJ	500 UJ	500 UJ	500 U	—	500 UJ	5 UJ	5000 UJ
Isopropylbenzene		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U
Methyl tert butyl ether		500 U	—	100 U	100 U	100 U	100 U	—	200 U	1 U	1000 U
Methylene chloride		1200 U	20 U	120 U	500 U	500 U	250 U	20 U	250 U	5 U	5000 U
Naphthalene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Styrene		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	1	500 U
Tetrachloroethene		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
Tetrahydrofuran		5000 U	—	500 U	1000 U	1000 U	1000 U	—	1000 U	10 U	10000 U
Toluene		1400	54	230	320	380	500	180	110	14	1500
Trichloroethene		250 U	2.9 J	25 U	50 U	50 U	50 U	1.8 J	50 U	1.1	560
Trichlorofluoromethane		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
Vinyl acetate		2500 UJ	—	250 U	500 U	500 U	500 UJ	—	500 U	5 U	5000 U
Vinyl chloride		24000	100	3200	4500	5100	8600	1500	1300	16	4100
cis-1,2-Dichloroethene		22000	140	180	340	5000	9500	1700	2900	14	36000
cis-1,3-Dichloropropylene		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
n-Butylbenzene		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U
n-Propylbenzene		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U
2-Chlorotoluene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
o-Xylene		250 U	—	25 U	50 U	50 U	50 U	—	50 U	0.5 U	500 U
4-Chlorotoluene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
p-Isopropyltoluene		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U
m,p-Xylenes		250 U	—	25 U	50 U	50 U	50 U	—	50 U	0.5 U	500 U
sec-Butylbenzene		250 U	—	120 U	50 U	50 U	50 U	—	250 U	0.5 U	500 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-2-187
	SDG ID	L0111491	4249	L0102727	L0105640	L0108767	L0111491	4249	L0102727	L0105542	L0108767
	Dilution Factor	500	10	50	100	100	100	100	100	1	1000
	Sample Date	12/05/2001	12/20/1999	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/19/1999	03/28/2001	06/19/2001	09/20/2001
	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	---	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U
trans-1,2-Dichloroethene		380 U	14	38 U	75 U	75 U	75 U	25	75 U	1.5	750 U
trans-1,3-Dichloropropene		250 U	5.0 U	25 U	50 U	50 U	50 U	5.0 U	50 U	0.5 U	500 U
trans-1,4-Dichloro-2-butene		1200 U	—	120 U	250 U	250 U	250 U	—	250 U	2.5 U	2500 U

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

O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-126
	SDG ID	L0111491	L0102960	L0105697	L0108729	L0111344	L0102960	L0105697	L0108729	L0111344	L0102960
	Dilution Factor	100	10	10	1	1	1	1	1	1	1
	Sample Date	12/05/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001
	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	5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
1,1,1-Trichloroethane		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2,2-Tetrachloroethane		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,1,2-Trichloroethane		75 U	7.5 U	7.5 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		75 U	7.5 U	7.5 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		50 U	7.5 U	5 U	0.5 U	0.5 U	0.75 U	0.5 U	0.5 U	0.5 U	0.75 U
1,1-Dichloropropene		250 U	25 U	25 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		250 U	25 U	25 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		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
1,2,4-Trichlorobenzene		250 U	25 U	25 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		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane		250 U	25 U	25 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)		250 U	25 U	25 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		250 U	25 U	25 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		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
1,2-Dichloropropane		180 U	18 U	18 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-		250 U	25 U	25 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		250 U	25 U	25 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		250 U	25 U	25 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		250 U	25 U	25 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		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
2,2-Dichloropropane		250 U	25 U	25 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)		500 U	50 UJ	50 U	5 U	5 UJ	5.0 UJ	5 U	5 U	5 UJ	5.0 UJ
2-Hexanone		500 U	50 UJ	50 U	5 U	5 U	5.0 UJ	5 U	5 U	5 U	5.0 UJ
4-Methyl-2-pentanone (MIBK)		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Acetone		500 U	50 UJ	50 U	5 U	5 UJ	5.0 UJ	5 U	5 U	5 UJ	5.0 UJ
Acrolein		1200 U	120 UJ	120 U	12 U	12 UJ	12 UJ	12 U	12 U	12 UJ	12 UJ
Acrylonitrile		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Benzene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromobenzene		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromoform		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Bromomethane		100 U	10 UJ	10 U	1 U	1 U	1.0 UJ	1 U	1 U	1 U	1.0 UJ
Carbon disulfide		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U

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

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
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-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-126
	SDG ID	L0111491	L0102960	L0105697	L0108729	L0111344	L0102960	L0105697	L0108729	L0111344	L0102960
	Dilution Factor	100	10	10	1	1	1	1	1	1	1
	Sample Date	12/05/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001
	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		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Chlorobenzene		50 U	18 U	5 U	0.5 U	0.64	1.8 U	0.5 U	0.5 U	0.5 U	1.8 U
Chloroethane		100 U	10 U	10 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U
Chloroform		75 U	15	7.5 U	0.75 U	0.75 U	0.75 U	1	0.75 U	1.1	0.75 U
Chloromethane		250 U	50 U	25 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	5.0 U
Dibromochloromethane		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Dibromomethane		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Dichlorodifluoromethane		500 UJ	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Diethyl ether		250 U	120 U	25 U	2.5 U	2.5 U	12 U	2.5 U	2.5 U	2.5 U	12 U
Ethyl methacrylate		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Ethylbenzene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Hexachlorobutadiene		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		500 U	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Isopropylbenzene		50 U	25 U	5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
Methyl tert butyl ether		100 U	20 U	10 U	1 U	1 U	2.0 U	1 U	1 U	1 U	2.0 U
Methylene chloride		250 U	25 U	50 U	5 U	2.5 U	2.5 U	5 U	5 U	2.5 U	2.5 U
Naphthalene		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrachloroethene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Tetrahydrofuran		1000 U	100 U	100 U	12	10 U	10 U	10 U	10 U	10 U	10 U
Toluene		180	7.5 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
Trichlorofluoromethane		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate		500 UJ	50 U	50 U	5 U	5 U	5.0 U	5 U	5 U	5 U	5.0 U
Vinyl chloride		1400	10 U	10 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene		3500	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
cis-1,3-Dichloropropylene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
n-Butylbenzene		50 U	25 U	5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
n-Propylbenzene		50 U	25 U	5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
2-Chlorotoluene		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
4-Chlorotoluene		250 U	25 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene		50 U	25 U	5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	2.5 U
m,p-Xylenes		120	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
sec-Butylbenzene		50 U	25 U	5 U	0.5 U	0.5 U	2.5 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.

DRAFT
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-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-126
	SDG ID	L0111491	L0102960	L0105697	L0108729	L0111344	L0102960	L0105697	L0108729	L0111344	L0102960
	Dilution Factor	100	10	10	1	1	1	1	1	1	1
	Sample Date	12/05/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001
	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	25 U	25 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		75 U	7.5 U	7.5 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		50 U	5.0 U	5 U	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U
trans-1,4-Dichloro-2-butene		250 U	25 U	25 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.

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O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62
	SDG ID	L0105640	L0108729	L0111344	L0108729	L0111344	4357	L0102730	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/21/2001	09/18/2001	12/03/2001	09/18/2001	12/03/2001	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001
	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	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	0.50 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 UJ	0.5 U	0.50 U	0.50 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		0.5 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	—	5.0 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	0.50 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	—	5.0 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 UJ	5 U	5 UJ	10 U	5.0 U	5 U	5 U	5 U
2-Hexanone		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5 U	5 U	5 UJ
Acetone		5 U	5 U	5 UJ	5 U	5 UJ	10 U	5.0 U	13	5 UJ	5 U
Acrolein		12 U	12 U	12 UJ	12 U	12 UJ	—	12 U	12 U	12 U	12 UJ
Acrylonitrile		5 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Benzene		0.5 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	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	0.50 U	0.5 U	0.5 U	0.5 U
Bromoform		0.5 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	0.5 U
Bromomethane		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 UJ	1 U	1 U	1 U
Carbon disulfide		5 U	5 U	5 U	5 U	5 U	0.50 U	5.0 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.

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

	Sample ID	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62
	SDG ID	L0105640	L0108729	L0111344	L0108729	L0111344	4357	L0102730	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/21/2001	09/18/2001	12/03/2001	09/18/2001	12/03/2001	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001
	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	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.5 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	0.5 U
Chloroethane		1 U	1 U	1 U	1 U	1 U	1.0 UJ	1.0 U	1 U	1 U	1 U
Chloroform		0.96	0.86	1.2	0.75 U	0.75 U	0.50 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	1.0 U	5.0 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	0.50 U	0.5 U	0.5 U	0.5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Diethyl ether		2.5 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	—	5.0 U	5 U	5 U	5 U
Ethylbenzene		0.5 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	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 U	5 U	5 U	5 UJ	5 U	—	5.0 UJ	5 U	5 U	5 U
Isopropylbenzene		0.5 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		1 U	1 U	1 U	1 U	1 U	—	2.0 U	1 U	1 U	1 U
Methylene chloride		5 U	5 U	2.5 U	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		0.5 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	0.5 U
Tetrachloroethene		0.5 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	0.5 U
Tetrahydrofuran		10 U	10 U	10 U	10 U	10 U	—	10 U	10 U	10 U	10 U
Toluene		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.17 J	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	0.50 U	0.50 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	—	5.0 U	5 U	5 U	5 U
Vinyl chloride		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	0.39 J	0.66 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	0.50 U	0.50 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	—	2.5 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	—	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	—	0.50 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	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	—	0.50 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	—	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.

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

	Sample ID	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62
	SDG ID	L0105640	L0108729	L0111344	L0108729	L0111344	4357	L0102730	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/21/2001	09/18/2001	12/03/2001	09/18/2001	12/03/2001	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001
	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	0.50 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

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

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132
	SDG ID	4357	L0102730	L0107373	L0109029	L0111561	4345	L0102674	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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		—	2.5 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 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	0.50 U	0.50 U	0.5 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	0.50 U	0.75 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	0.50 U	0.75 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	0.50 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
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	—	5.0 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 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	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
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	—	5.0 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)		10 U	5.0 U	5 U	5 U	5 U	10 UJ	5.0 U	5 U	5 U	5 U
2-Hexanone		5.0 U	5.0 U	5 U	5 U	5 UJ	5.0 UJ	5.0 U	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5 U	5 U	5 UJ	5.0 U	5.0 U	5 U	5 U	5 UJ
Acetone		10 U	5.0 U	5 U	5 UJ	5 U	10 U	5.0 U	5 U	5 UJ	5 U
Acrolein		—	12 U	12 U	12 U	12 UJ	—	12 U	12 U	12 U	12 UJ
Acrylonitrile		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Benzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromoform		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Bromomethane		1.0 U	1.0 UJ	1 U	1 U	1 U	1.0 U	1.0 UJ	1 U	1 U	1 U
Carbon disulfide		0.50 U	5.0 U	5 U	5 U	5 U	0.50 U	5.0 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.

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

	Sample ID	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132
	SDG ID	4357	L0102730	L0107373	L0109029	L0111561	4345	L0102674	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.50 U	1.8 U	0.5 U	0.5 U	0.5 U	0.50 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroethane		1.0 UJ	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	1 U
Chloroform		0.50 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		1.0 U	5.0 U	2.5 U	2.5 U	2.5 U	1.0 U	5.0 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Dibromomethane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Dichlorodifluoromethane		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U	—	12 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Ethylbenzene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.20 J	0.50 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		—	5.0 UJ	5 U	5 U	5 U	—	5.0 UJ	5 U	5 U	5 U
Isopropylbenzene		—	2.5 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		—	2.0 U	1 U	1 U	1 U	—	2.0 U	1 U	1 U	1 U
Methylene chloride		2.0 U	2.5 U	5 U	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
Styrene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.47 J	0.50 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 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
Toluene		0.18 J	0.75 U	0.75 U	0.75 U	0.75 U	0.20 J	0.75 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	0.50 U	0.50 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		—	5.0 U	5 U	5 U	5 U	—	5.0 U	5 U	5 U	5 U
Vinyl chloride		1.0 U	1.0 U	1 U	1 U	1 U	0.41 J	1.0 U	1 U	1 U	1 U
cis-1,2-Dichloroethene		0.37 J	0.50 U	0.5 U	0.5 U	0.5 U	0.23 J	0.50 U	0.5 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	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene		—	2.5 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	—	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
o-Xylene		—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 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		—	2.5 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		—	0.50 U	0.5 U	0.5 U	0.5 U	—	0.50 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene		—	2.5 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.

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

	Sample ID	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132
	SDG ID	4357	L0102730	L0107373	L0109029	L0111561	4345	L0102674	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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		0.50 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		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 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

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

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

Compound	Sample ID	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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	—	2.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.50 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		0.50 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		0.50 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		0.50 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		0.50 U	0.75 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
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		0.13 J	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		0.50 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
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)		10 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
2-Hexanone		5.0 UJ	5 U	5 U	5 U	5 UJ	5.0 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5.0 U	5 U	5 U	5 U	5 UJ	5.0 U	5 U	5 U	5 U	5 UJ
Acetone		3.5 J	5 UJ	5 U	5 UJ	5 U	10 U	5 UJ	5 U	5 UJ	5 U
Acrolein		—	12 U	12 U	12 U	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
Benzene		0.53	0.52	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
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	0.5 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		0.50 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
Bromomethane		1.0 U	1 UJ	1 U	1 U	1 U	1.0 U	1 UJ	1 U	1 U	1 U
Carbon disulfide		0.50 U	5 U	5 U	5 U	5 U	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.

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

Compound	Sample ID	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.61	1.8 U	0.5 U	0.51	0.89	1.6	1.8 U	1.3	1.4	1.7
Chloroethane		1.0 U	1 U	1 U	1 U	1 U	1.0 UJ	1 U	1 U	1 U	1 U
Chloroform		0.50 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		1.0 U	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		0.50 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
Dichlorodifluoromethane		—	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	—	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
Ethylbenzene		2.4	2.7	1.8	3.9	4	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
Methyl iodide		—	5 UJ	5 U	5 U	5 U	—	5 UJ	5 U	5 U	5 U
Isopropylbenzene		—	2.5 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	—	2 U	1 U	1 U	1 U
Methylene chloride		0.42 J	2.5 U	5 U	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
Styrene		6.1	6	1.6	1.5	1	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.50 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 U	10 U	10 U	10 U
Toluene		0.77	0.75 U	0.75 U	0.75 U	0.75 U	0.94	0.75	0.82	0.75 U	0.75 U
Trichloroethene		0.50 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
Vinyl acetate		—	5 U	5 U	5 U	5 U	—	5 U	5 U	5 U	5 U
Vinyl chloride		1.7	1.7	2.5	1.2	1.5	1.2	1.2	1.2	1.2	1.4
cis-1,2-Dichloroethene		0.39 J	0.92 U	0.5 U	0.5 U	0.56 U	0.58	0.68 U	0.82	0.5 U	0.5 U
cis-1,3-Dichloropropylene		0.50 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	—	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	—	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
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		—	2.5 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
sec-Butylbenzene		—	2.5 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.

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

	Sample ID	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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		0.50 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		0.50 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 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.

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

	Sample ID	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
1,1,1,2-Tetrachloroethane		—	2.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.50 U	0.5 U	0.5 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
1,1-Dichloroethane		0.50 U	0.75 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
1,1-Dichloropropene		—	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
1,2,3-Trichloropropane		—	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene		—	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
Dibromochloropropane		—	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
1,2-Dichlorobenzene		—	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane		0.50 U	0.5 U	0.5 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
Benzene, 1,3,5-trimethyl-		—	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
1,3-Dichloropropane		—	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
1,4-Dichlorobutane		—	5 U	5 U	5 U	5 U
2,2-Dichloropropane		—	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)		10 U	5 U	5 U	5 U	5 U
2-Hexanone		5.0 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-pentanone (MIBK)		5.0 U	5 U	5 U	5 U	5 UJ
Acetone		10 U	5 UJ	5 U	5 UJ	5 U
Acrolein		—	12 U	12 U	12 U	12 UJ
Acrylonitrile		—	5 U	5 U	5 U	5 U
Benzene		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
Bromochloromethane		—	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane		1.0 U	1 UJ	1 U	1 U	1 U
Carbon disulfide		0.85	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.

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

	Sample ID	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
Carbon tetrachloride		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene		0.15 J	1.8 U	0.54	0.61	1.1
Chloroethane		1.0 UJ	1 U	1 U	1 U	1 U
Chloroform		0.50 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane		1.0 U	5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane		—	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		—	5 U	5 U	5 U	5 U
Diethyl ether		—	12 U	2.5 U	2.5 U	2.5 U
Ethyl methacrylate		—	5 U	5 U	5 U	5 U
Ethylbenzene		7.0	2.3	2.1	2.2	2.8
Hexachlorobutadiene		—	2.5 U	2.5 U	2.5 U	2.5 U
Methyl iodide		—	5 UJ	5 U	5 U	5 U
Isopropylbenzene		—	2.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether		—	2 U	1 U	1 U	1 U
Methylene chloride		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
Styrene		1.8	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene		0.50 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran		—	10 U	10 U	10 U	10 U
Toluene		0.68	0.75 U	0.75 U	0.75 U	1
Trichloroethene		0.50 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
Vinyl acetate		—	5 U	5 U	5 U	5 U
Vinyl chloride		3.9	1 U	1.1	1.1	1.9
cis-1,2-Dichloroethene		1.0	2.8 U	0.5 U	0.5 U	1.6 U
cis-1,3-Dichloropropylene		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
n-Propylbenzene		—	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
o-Xylene		—	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
p-Isopropyltoluene		—	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
sec-Butylbenzene		—	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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DRAFT
Table 1
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8260B Volatile Organic Compound Data
Historical Data Summary

	Sample ID	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1
	Sample Date	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Compound	Matrix	WATER	WATER	WATER	WATER	WATER
tert-Butylbenzene		—	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
trans-1,3-Dichloropropene		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

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

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

Compound	Sample ID	BEI-1	BEI-1	BEI-2	BEI-2	BEI-3	BEI-3	OBG-1	OBG-1	OBG-2	OBG-2
	SDG ID	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561
	Dilution Factor	1	5	1	5	1	1	1	5	1	2
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001
	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 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
1,2,4-Trichlorobenzene		44	82	9.3 J	25 U	5.0 U	7.8	21	25 U	8.6 J	10 U
1,2-Dichlorobenzene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
1,3-Dichlorobenzene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	11 J	10 U
1,4-Dichlorobenzene		5.1	25 U	11 J	25 U	5.0 U	5 U	5.0 U	25 U	33 J	10 U
1-Chloronaphthalene		5.0 U	25 U	7.0 J	25 U	5.0 U	5.3	5.8	25 U	25 J	10 U
1-Methylnaphthalene		5.0 U	25 U	9.9 J	25 U	5.0 U	5 U	7.4	25 U	26 J	10 U
2,4,5-Trichlorophenol		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
2,4,6-Trichlorophenol		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
2,4-Dichlorophenol		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
2,4-Dimethylphenol		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
2,4-Dinitrophenol		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
2,4-Dinitrotoluene		5.0 U	30 U	5.0 UJ	30 U	5.0 U	6 U	5.0 U	30 U	4.6 UJ	12 U
2,6-Dichlorophenol		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
2,6-Dinitrotoluene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
2-Chloronaphthalene		5.0 U	30 U	5.0 UJ	30 U	5.0 U	6 U	5.0 U	30 U	4.6 UJ	12 U
2-Chlorophenol		5.0 U	30 U	5.0 UJ	30 U	5.0 U	6 U	5.0 U	30 U	4.6 UJ	12 U
2-Methylnaphthalene		5.0 U	40 U	5.0 UJ	40 U	5.0 U	8 U	5.0 U	40 U	25 J	16 U
2-Methylphenol		5.0 U	30 U	5.0 UJ	30 U	5.0 U	6 U	5.0 U	30 U	4.6 UJ	12 U
2-Nitroaniline		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
2-Nitrophenol		10 U	100 U	10 UJ	100 U	10 U	20 U	10 U	100 U	9.3 UJ	40 U
2-Picoline		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
3,3-Dichlorobenzidine		50 U	250 UJ	50 UJ	250 UJ	50 U	50 U	50 U	250 UJ	46 UJ	100 UJ
3-Methylcholanthrene		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
3-Methylphenol/4-Methylphenol		5.0 U	30 U	5.0 UJ	30 U	5.0 U	6 U	5.0 U	30 U	4.6 UJ	12 U
3-Nitroaniline		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
4,6-Dinitro-2-methylphenol		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
4-Aminobiphenyl		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
4-Bromophenyl phenyl ether		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
4-Chloroaniline		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
4-Chlorophenyl phenyl ether		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
4-Nitroaniline		5.0 U	35 U	5.0 UJ	35 U	5.0 U	7 U	5.0 U	35 U	4.6 UJ	14 U
4-Nitrophenol		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
7,12-Dimethylbenz(a)anthracene		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Acenaphthene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	5.7 J	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.

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

	Sample ID	BEI-1	BEI-1	BEI-2	BEI-2	BEI-3	BEI-3	OBG-1	OBG-1	OBG-2	OBG-2
	SDG ID	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561
	Dilution Factor	1	5	1	5	1	1	1	5	1	2
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001
	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
Acenaphthylene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Acetophenone		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
Aniline		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Anthracene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Azobenzene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzidine		50 U	250 UJ	50 UJ	250 UJ	50 U	50 UJ	50 U	250 UJ	46 UJ	100 UJ
Benzo(a)anthracene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzo[a]pyrene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzo(b)fluoranthene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzo(e)pyrene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzo(ghi)perylene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzo(k)fluoranthene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Benzoic acid		50 U	250 UJ	50 UJ	250 UJ	50 U	50 U	50 U	250 UJ	46 UJ	100 UJ
Benzyl alcohol		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Biphenyl		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
bis(2-Chloroethoxy)methane		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
bis(2-Chloroethyl)ether		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
2,2'-oxybis(1-Chloropropane)		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Butyl benzyl phthalate		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Carbazole		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Chlorobenzilate		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
Chrysene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Di-n-butyl phthalate		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Di-n-octyl phthalate		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Dibenzo(a,h)anthracene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Dibenzofuran		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Diethyl phthalate		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Dimethoate		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
Dimethyl phthalate		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Ethyl methanesulfonate		15 U	75 U	15 UJ	75 U	15 U	15 U	15 U	75 U	14 UJ	30 U
Fluoranthene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Fluorene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Hexachlorobenzene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Hexachlorobutadiene		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 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.

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

	Sample ID	BEI-1	BEI-1	BEI-2	BEI-2	BEI-3	BEI-3	OBG-1	OBG-1	OBG-2	OBG-2
	SDG ID	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561	L0102477	L0111561
	Dilution Factor	1	5	1	5	1	1	1	5	1	2
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001	03/21/2001	12/06/2001
	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		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Hexachloroethane		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Hexachloropropene		50 U	250 U	50 UJ	250 U	50 U	50 U	50 U	250 U	46 UJ	100 U
Indeno(1,2,3-cd)pyrene		5.0 U	35 U	5.0 UJ	35 U	5.0 U	7 U	5.0 U	35 U	4.6 UJ	14 U
Isodrin		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Isophorone		7.8	25 U	5.0 UJ	25 U	5.0 U	5 U	6.6	25 U	4.6 UJ	10 U
Methyl methanesulfonate		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
NDPA/DPA		5.0 U	75 U	11 J	75 U	5.0 U	15 U	8.7	75 U	47 J	30 U
Naphthalene		11	25 U	26 J	66	5.0 U	5 U	73	110	190 J	26
Nitrobenzene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Nitrosodi-n-butylamine		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Nitrosodipiperidine		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
Pentachlorobenzene		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
PCNB		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Pentachlorophenol		20 U	100 UJ	20 UJ	100 UJ	20 U	20 U	20 U	100 UJ	18 UJ	40 UJ
Perylene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Phenacetin		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U
Phenanthrene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Phenol		5.0 U	35 U	5.0 UJ	35 U	5.0 U	7 U	5.0 U	35 U	4.6 UJ	14 U
Pronamide		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
Pyrene		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
Pyridine		50 U	250 U	50 UJ	250 U	50 U	50 U	50 U	250 U	46 UJ	100 U
a,a-Dimethylphenethylamine		50 U	250 U	50 UJ	250 U	50 U	50 U	50 U	250 U	46 UJ	100 U
a-Naphthylamine		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
b-Naphthylamine		20 U	100 U	20 UJ	100 U	20 U	20 U	20 U	100 U	18 UJ	40 U
N-Nitrosodipropylamine		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
N-Nitrosodimethylamine		50 U	250 U	50 UJ	250 U	50 U	50 U	50 U	250 U	46 UJ	100 U
4-Chloro-3-methylphenol		5.0 U	25 U	5.0 UJ	25 U	5.0 U	5 U	5.0 U	25 U	4.6 UJ	10 U
p-Dimethylaminoazobenzene		10 U	50 U	10 UJ	50 U	10 U	10 U	10 U	50 U	9.3 UJ	20 U

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

Samples were analyzed undiluted.

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

	Sample ID	OBG-3	OBG-3	Collection Trench	Collection Trench	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A
	SDG ID	L0102477	L0111561	L0102477	L0111561	3903	L0102408	3930	L0102674	3930	L0102627
	Dilution Factor	1	5	1	5	1	1	1	1	1	1
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/07/2001	11/12/1999	03/19/2001	11/15/1999	03/26/2001	11/15/1999	03/24/2001
	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
1,2,4,5-Tetrachlorobenzene		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
1,2,4-Trichlorobenzene		5.0 U	25 U	4.9 UJ	25 U	53	15	10 U	4.8 U	10 U	5.0 U
1,2-Dichlorobenzene		5.0 U	25 U	4.9 UJ	25 U	2.6 J	5.0 U	10 U	4.8 U	10 U	5.0 U
1,3-Dichlorobenzene		5.0 U	25 U	4.9 UJ	25 U	20	8.5	10 U	4.8 U	10 U	5.0 U
1,4-Dichlorobenzene		5.0 U	25 U	8.6 J	25 U	59	24	10 U	4.8 U	10 U	5.0 U
1-Chloronaphthalene		5.0 U	25 U	6.6 J	25 U	—	5.0 U	—	4.8 U	—	5.0 U
1-Methylnaphthalene		5.0 U	25 U	13 J	25 U	—	5.0 U	—	4.8 U	—	5.0 U
2,4,5-Trichlorophenol		5.0 U	25 U	4.9 UJ	25 U	51 U	5.0 U	50 U	4.8 U	51 U	5.0 U
2,4,6-Trichlorophenol		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2,4-Dichlorophenol		10 U	50 U	9.8 UJ	50 U	10 U	10 U	10 U	9.6 U	10 U	10 U
2,4-Dimethylphenol		10 U	50 U	9.8 UJ	50 U	10 U	10 U	10 U	9.6 U	10 U	10 U
2,4-Dinitrophenol		20 U	100 U	20 UJ	100 U	51 U	20 U	50 U	19 U	51 U	20 U
2,4-Dinitrotoluene		5.0 U	30 U	4.9 UJ	30 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2,6-Dichlorophenol		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
2,6-Dinitrotoluene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2-Chloronaphthalene		5.0 U	30 U	4.9 UJ	30 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2-Chlorophenol		5.0 U	30 U	4.9 UJ	30 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2-Methylnaphthalene		5.0 U	40 U	6.5 J	40 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2-Methylphenol		5.0 U	30 U	4.9 UJ	30 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2-Nitroaniline		5.0 U	25 U	4.9 UJ	25 U	51 U	5.0 U	50 U	4.8 U	51 U	5.0 U
2-Nitrophenol		10 U	100 U	9.8 UJ	100 U	10 U	10 U	10 U	9.6 U	10 U	10 U
2-Picoline		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
3,3-Dichlorobenzidine		50 U	250 UJ	49 UJ	250 UJ	20 U	50 U	20 U	48 U	20 U	50 U
3-Methylcholanthrene		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
3-Methylphenol/4-Methylphenol		5.0 U	30 U	4.9 UJ	30 U	—	5.0 U	—	4.8 U	—	5.0 U
3-Nitroaniline		5.0 U	25 U	4.9 UJ	25 U	51 U	5.0 U	50 U	4.8 U	51 U	5.0 U
4,6-Dinitro-2-methylphenol		20 U	100 U	20 UJ	100 U	51 U	20 U	50 U	19 U	51 U	20 U
4-Aminobiphenyl		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
4-Bromophenyl phenyl ether		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
4-Chloroaniline		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
4-Chlorophenyl phenyl ether		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
4-Nitroaniline		5.0 U	35 U	4.9 UJ	35 U	51 U	5.0 U	50 U	4.8 U	51 U	5.0 U
4-Nitrophenol		10 U	50 U	9.8 UJ	50 U	51 U	10 U	50 U	9.6 U	51 U	10 U
7,12-Dimethylbenz(a)anthracene		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Acenaphthene		5.0 U	25 U	7.4 J	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U

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

Samples were analyzed undiluted.

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

	Sample ID	OBG-3	OBG-3	Collection Trench	Collection Trench	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A
	SDG ID	L0102477	L0111561	L0102477	L0111561	3903	L0102408	3930	L0102674	3930	L0102627
	Dilution Factor	1	5	1	5	1	1	1	1	1	1
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/07/2001	11/12/1999	03/19/2001	11/15/1999	03/26/2001	11/15/1999	03/24/2001
	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
Acenaphthylene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Acetophenone		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
Aniline		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Anthracene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Azobenzene		5.0 U	25 U	4.9 UJ	25 U	—	5.0 U	—	4.8 U	—	5.0 U
Benzidine		50 U	250 UJ	49 UJ	250 UJ	—	50 U	—	48 U	—	50 U
Benzo(a)anthracene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Benzo[a]pyrene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Benzo(b)fluoranthene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Benzo(e)pyrene		5.0 U	25 U	4.9 UJ	25 U	—	5.0 U	—	4.8 U	—	5.0 U
Benzo(ghi)perylene		5.0 U	25 U	4.9 UJ	25 U	10 UJ	5.0 U	10 UJ	4.8 U	10 U	5.0 U
Benzo(k)fluoranthene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Benzoic acid		50 U	250 UJ	49 UJ	250 UJ	—	50 U	—	48 U	—	50 U
Benzyl alcohol		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Biphenyl		5.0 U	25 U	4.9 UJ	25 U	—	5.0 U	—	4.8 U	—	5.0 U
bis(2-Chloroethoxy)methane		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
bis(2-Chloroethyl)ether		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	50 U	9.8 UJ	50 U	10 U	10 U	10 U	9.6 U	10 U	10 U
Butyl benzyl phthalate		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Carbazole		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Chlorobenzilate		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
Chrysene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Di-n-butyl phthalate		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Di-n-octyl phthalate		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Dibenzo(a,h)anthracene		5.0 U	25 U	4.9 UJ	25 U	10 UJ	5.0 U	10 U	4.8 U	10 U	5.0 U
Dibenzofuran		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Diethyl phthalate		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Dimethoate		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
Dimethyl phthalate		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Ethyl methanesulfonate		15 U	75 U	15 UJ	75 U	—	15 U	—	14 U	—	15 U
Fluoranthene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Fluorene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Hexachlorobenzene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Hexachlorobutadiene		10 U	50 U	9.8 UJ	50 U	10 U	10 U	10 U	9.6 U	10 U	10 U

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

Samples were analyzed undiluted.

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

Compound	Sample ID	OBG-3	OBG-3	Collection Trench	Collection Trench	MW-2	MW-2	MW-4	MW-4	MW-4A	MW-4A
	SDG ID	L0102477	L0111561	L0102477	L0111561	3903	L0102408	3930	L0102674	3930	L0102627
	Dilution Factor	1	5	1	5	1	1	1	1	1	1
	Sample Date	03/21/2001	12/06/2001	03/21/2001	12/07/2001	11/12/1999	03/19/2001	11/15/1999	03/26/2001	11/15/1999	03/24/2001
	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	9.8 UJ	50 U	10 U	10 U	10 U	9.6 U	10 U	10 U
Hexachloroethane		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Hexachloropropene		50 U	250 U	49 UJ	250 U	—	50 U	—	48 U	—	50 U
Indeno(1,2,3-cd)pyrene		5.0 U	35 U	4.9 UJ	35 U	10 UJ	5.0 U	10 UJ	4.8 U	10 UJ	5.0 U
Isodrin		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Isophorone		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Methyl methanesulfonate		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
NDPA/DPA		5.0 U	75 U	14 J	75 U	—	5.0 U	—	4.8 U	—	5.0 U
Naphthalene		16	46	17 J	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Nitrobenzene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Nitrosodi-n-butylamine		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Nitrosodipiperidine		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
Pentachlorobenzene		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
PCNB		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Pentachlorophenol		20 U	100 UJ	20 UJ	100 UJ	51 U	20 U	50 U	19 U	51 U	20 U
Perylene		5.0 U	25 U	4.9 UJ	25 U	—	5.0 U	—	4.8 U	—	5.0 U
Phenacetin		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U
Phenanthrene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Phenol		5.0 U	35 U	4.9 UJ	35 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Pronamide		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
Pyrene		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
Pyridine		50 U	250 U	49 UJ	250 U	—	50 U	—	48 U	—	50 U
a,a-Dimethylphenethylamine		50 U	250 U	49 UJ	250 U	—	50 U	—	48 U	—	50 U
a-Naphthylamine		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
b-Naphthylamine		20 U	100 U	20 UJ	100 U	—	20 U	—	19 U	—	20 U
N-Nitrosodipropylamine		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
N-Nitrosodimethylamine		50 U	250 U	49 UJ	250 U	—	50 U	—	48 U	—	50 U
4-Chloro-3-methylphenol		5.0 U	25 U	4.9 UJ	25 U	10 U	5.0 U	10 U	4.8 U	10 U	5.0 U
p-Dimethylaminoazobenzene		10 U	50 U	9.8 UJ	50 U	—	10 U	—	9.6 U	—	10 U

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

Samples were analyzed undiluted.

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

	Sample ID	MW-5	MW-5	MW-5A	MW-5A	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8
	SDG ID	3930	L0102630	3930	L0102630	3970	L0102437	3930	L0102437	3930	L0102437
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/1999	03/26/2001	11/16/1999	03/26/2001	11/17/1999	03/20/2001	11/16/1999	03/20/2001	11/15/1999	03/20/2001
	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
1,2,4,5-Tetrachlorobenzene		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
1,2,4-Trichlorobenzene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
1,2-Dichlorobenzene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
1,3-Dichlorobenzene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
1,4-Dichlorobenzene		10 U	4.3 U	11 U	4.3 U	5.6 J	5.0 U	4.6 J	5.0 U	10 U	5.0 UJ
1-Chloronaphthalene		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
1-Methylnaphthalene		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
2,4,5-Trichlorophenol		50 U	4.3 U	53 U	4.3 U	51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ
2,4,6-Trichlorophenol		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2,4-Dichlorophenol		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ
2,4-Dimethylphenol		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ
2,4-Dinitrophenol		50 U	17 U	53 U	17 U	51 U	20 U	53 U	20 U	50 U	20 UJ
2,4-Dinitrotoluene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2,6-Dichlorophenol		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
2,6-Dinitrotoluene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2-Chloronaphthalene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2-Chlorophenol		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2-Methylnaphthalene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2-Methylphenol		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2-Nitroaniline		50 U	4.3 U	53 U	4.3 U	51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ
2-Nitrophenol		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ
2-Picoline		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
3,3-Dichlorobenzidine		20 U	43 U	21 U	43 U	20 U	50 U	21 U	50 U	20 U	50 UJ
3-Methylcholanthrene		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
3-Methylphenol/4-Methylphenol		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
3-Nitroaniline		50 U	4.3 U	53 U	4.3 U	51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ
4,6-Dinitro-2-methylphenol		50 U	17 U	53 U	17 U	51 U	20 U	53 U	20 U	50 U	20 UJ
4-Aminobiphenyl		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
4-Bromophenyl phenyl ether		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
4-Chloroaniline		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
4-Chlorophenyl phenyl ether		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
4-Nitroaniline		50 U	4.3 U	53 U	4.3 U	51 U	5.0 U	53 U	5.0 U	50 U	5.0 UJ
4-Nitrophenol		50 U	8.7 U	53 U	8.6 U	51 U	10 U	53 U	10 U	50 U	10 UJ
7,12-Dimethylbenz(a)anthracene		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Acenaphthene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ

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

Samples were analyzed undiluted.

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

	Sample ID	MW-5	MW-5	MW-5A	MW-5A	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8
	SDG ID	3930	L0102630	3930	L0102630	3970	L0102437	3930	L0102437	3930	L0102437
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/1999	03/26/2001	11/16/1999	03/26/2001	11/17/1999	03/20/2001	11/16/1999	03/20/2001	11/15/1999	03/20/2001
	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
Acenaphthylene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Acetophenone		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
Aniline		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Anthracene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Azobenzene		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
Benzidine		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
Benzo(a)anthracene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Benzo[a]pyrene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Benzo(b)fluoranthene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Benzo(e)pyrene		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
Benzo(ghi)perylene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Benzo(k)fluoranthene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Benzoic acid		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
Benzyl alcohol		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Biphenyl		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
bis(2-Chloroethoxy)methane		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
bis(2-Chloroethyl)ether		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
2,2'-oxybis(1-Chloropropane)		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ
Butyl benzyl phthalate		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Carbazole		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Chlorobenzilate		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
Chrysene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Di-n-butyl phthalate		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Di-n-octyl phthalate		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Dibenzo(a,h)anthracene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Dibenzofuran		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Diethyl phthalate		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Dimethoate		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
Dimethyl phthalate		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Ethyl methanesulfonate		—	13 U	—	13 U	—	15 U	—	15 U	—	15 UJ
Fluoranthene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Fluorene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Hexachlorobenzene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Hexachlorobutadiene		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ

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

Samples were analyzed undiluted.

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

	Sample ID	MW-5	MW-5	MW-5A	MW-5A	MW-6	MW-6	MW-6A	MW-6A	MW-8	MW-8
	SDG ID	3930	L0102630	3930	L0102630	3970	L0102437	3930	L0102437	3930	L0102437
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/16/1999	03/26/2001	11/16/1999	03/26/2001	11/17/1999	03/20/2001	11/16/1999	03/20/2001	11/15/1999	03/20/2001
	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		10 U	8.7 U	11 U	8.6 U	10 U	10 U	11 U	10 U	10 U	10 UJ
Hexachloroethane		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Hexachloropropene		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
Indeno(1,2,3-cd)pyrene		10 UJ	4.3 U	11 UJ	4.3 U	10 U	5.0 U	11 UJ	5.0 U	10 UJ	5.0 UJ
Isodrin		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Isophorone		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Methyl methanesulfonate		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
NDPA/DPA		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
Naphthalene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Nitrobenzene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Nitrosodi-n-butylamine		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Nitrosodipiperidine		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
Pentachlorobenzene		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
PCNB		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Pentachlorophenol		50 U	17 U	53 U	17 U	51 U	20 U	53 U	20 U	50 U	20 UJ
Perylene		—	4.3 U	—	4.3 U	—	5.0 U	—	5.0 U	—	5.0 UJ
Phenacetin		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ
Phenanthrene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Phenol		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Pronamide		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
Pyrene		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
Pyridine		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
a,a-Dimethylphenethylamine		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
a-Naphthylamine		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
b-Naphthylamine		—	17 U	—	17 U	—	20 U	—	20 U	—	20 UJ
N-Nitrosodipropylamine		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
N-Nitrosodimethylamine		—	43 U	—	43 U	—	50 U	—	50 U	—	50 UJ
4-Chloro-3-methylphenol		10 U	4.3 U	11 U	4.3 U	10 U	5.0 U	11 U	5.0 U	10 U	5.0 UJ
p-Dimethylaminoazobenzene		—	8.7 U	—	8.6 U	—	10 U	—	10 U	—	10 UJ

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

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	MW-8A	MW-8A	MW-10	MW-10AR	MW-10B	MW-12AR	MW-12AR	MW-13	MW-13	MW-13A
	SDG ID	3930	L0102437	L0102479	L0102674	L0102479	3958	L0102630	3970	L0102597	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	03/21/2001	03/27/2001	03/21/2001	11/18/1999	03/26/2001	11/17/1999	03/23/2001	11/17/1999
	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
1,2,4,5-Tetrachlorobenzene		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
1,2,4-Trichlorobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
1,2-Dichlorobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
1,3-Dichlorobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U
1,4-Dichlorobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	5.9 J	6.3	10 U	4.1 U	10 U
1-Chloronaphthalene		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	19	—	4.1 U	—
1-Methylnaphthalene		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	8.6	—	4.1 U	—
2,4,5-Trichlorophenol		51 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U
2,4,6-Trichlorophenol		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2,4-Dichlorophenol		10 U	10 UJ	10 U	9.5 U	9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U
2,4-Dimethylphenol		10 U	10 UJ	10 U	9.5 U	9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U
2,4-Dinitrophenol		51 U	20 UJ	20 U	19 U	18 UJ	51 U	17 U	51 U	16 U	52 U
2,4-Dinitrotoluene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2,6-Dichlorophenol		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
2,6-Dinitrotoluene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2-Chloronaphthalene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	8.6 J	4.2 U	10 U	4.1 U	10 U
2-Chlorophenol		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2-Methylnaphthalene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2-Methylphenol		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2-Nitroaniline		51 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U
2-Nitrophenol		10 U	10 UJ	10 U	9.5 U	9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U
2-Picoline		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
3,3-Dichlorobenzidine		21 U	50 UJ	50 U	47 U	46 UJ	21 U	42 U	20 U	41 U	21 U
3-Methylcholanthrene		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
3-Methylphenol/4-Methylphenol		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	4.2 U	—	4.1 U	—
3-Nitroaniline		51 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U
4,6-Dinitro-2-methylphenol		51 U	20 UJ	20 U	19 U	18 UJ	51 U	17 U	51 U	16 U	52 U
4-Aminobiphenyl		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
4-Bromophenyl phenyl ether		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
4-Chloroaniline		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
4-Chlorophenyl phenyl ether		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
4-Nitroaniline		51 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	51 U	4.2 U	51 U	4.1 U	52 U
4-Nitrophenol		51 U	10 UJ	10 U	9.5 U	9.3 UJ	51 U	8.3 U	51 U	8.2 U	52 U
7,12-Dimethylbenz(a)anthracene		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Acenaphthene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	3.1 J	4.2 U	10 U	4.1 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.

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

	Sample ID	MW-8A	MW-8A	MW-10	MW-10AR	MW-10B	MW-12AR	MW-12AR	MW-13	MW-13	MW-13A
	SDG ID	3930	L0102437	L0102479	L0102674	L0102479	3958	L0102630	3970	L0102597	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	03/21/2001	03/27/2001	03/21/2001	11/18/1999	03/26/2001	11/17/1999	03/23/2001	11/17/1999
	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
Acenaphthylene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Acetophenone		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
Aniline		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Anthracene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Azobenzene		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	4.2 U	—	4.1 U	—
Benzidine		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
Benzo(a)anthracene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Benzo[a]pyrene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Benzo(b)fluoranthene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Benzo(e)pyrene		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	4.2 U	—	4.1 U	—
Benzo(ghi)perylene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U
Benzo(k)fluoranthene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Benzoic acid		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
Benzyl alcohol		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Biphenyl		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	4.2 U	—	4.1 U	—
bis(2-Chloroethoxy)methane		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
bis(2-Chloroethyl)ether		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
2,2'-oxybis(1-Chloropropane)		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	10 UJ	10 U	9.5 U	9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U
Butyl benzyl phthalate		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Carbazole		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Chlorobenzilate		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
Chrysene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Di-n-butyl phthalate		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Di-n-octyl phthalate		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Dibenzo(a,h)anthracene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U
Dibenzofuran		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Diethyl phthalate		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Dimethoate		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
Dimethyl phthalate		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Ethyl methanesulfonate		—	15 UJ	15 U	14 U	14 UJ	—	12 U	—	12 U	—
Fluoranthene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Fluorene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Hexachlorobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Hexachlorobutadiene		10 U	10 UJ	10 U	9.5 U	9.3 UJ	10 UJ	8.3 U	10 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.

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

Compound	Sample ID	MW-8A	MW-8A	MW-10	MW-10AR	MW-10B	MW-12AR	MW-12AR	MW-13	MW-13	MW-13A
	SDG ID	3930	L0102437	L0102479	L0102674	L0102479	3958	L0102630	3970	L0102597	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/15/1999	03/20/2001	03/21/2001	03/27/2001	03/21/2001	11/18/1999	03/26/2001	11/17/1999	03/23/2001	11/17/1999
	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 UJ	10 U	9.5 U	9.3 UJ	10 U	8.3 U	10 U	8.2 U	10 U
Hexachloroethane		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Hexachloropropene		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
Indeno(1,2,3-cd)pyrene		10 UJ	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 UJ	4.2 U	10 U	4.1 U	10 U
Isodrin		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Isophorone		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Methyl methanesulfonate		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
NDPA/DPA		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	14	—	4.1 U	—
Naphthalene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	4.5 J	4.2 U	10 U	4.1 U	10 U
Nitrobenzene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Nitrosodi-n-butylamine		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Nitrosodipiperidine		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
Pentachlorobenzene		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
PCNB		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Pentachlorophenol		51 U	20 UJ	20 U	19 U	18 UJ	51 U	17 U	51 U	16 U	52 U
Perylene		—	5.0 UJ	5.0 U	4.7 U	4.6 UJ	—	4.2 U	—	4.1 U	—
Phenacetin		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—
Phenanthrene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Phenol		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	3.7 J	4.2 U	10 U	4.1 U	10 U
Pronamide		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
Pyrene		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
Pyridine		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
a,a-Dimethylphenethylamine		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
a-Naphthylamine		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
b-Naphthylamine		—	20 UJ	20 U	19 U	18 UJ	—	17 U	—	16 U	—
N-Nitrosodipropylamine		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
N-Nitrosodimethylamine		—	50 UJ	50 U	47 U	46 UJ	—	42 U	—	41 U	—
4-Chloro-3-methylphenol		10 U	5.0 UJ	5.0 U	4.7 U	4.6 UJ	10 U	4.2 U	10 U	4.1 U	10 U
p-Dimethylaminoazobenzene		—	10 UJ	10 U	9.5 U	9.3 UJ	—	8.3 U	—	8.2 U	—

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

Samples were analyzed undiluted.

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

	Sample ID	MW-13A	MW-14	MW-14	MW-15	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A
	SDG ID	L0102597	3903	L0102408	3886	L0102408	3886	L0102479	3958	L0102674	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	10
	Sample Date	03/23/2001	11/12/1999	03/19/2001	11/10/1999	03/19/2001	11/11/1999	03/21/2001	11/18/1999	03/27/2001	11/17/1999
	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
1,2,4,5-Tetrachlorobenzene		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
1,2,4-Trichlorobenzene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
1,2-Dichlorobenzene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
1,3-Dichlorobenzene		4.1 U	4.8 J	5.0 U	11 U	5.0 U	11 U	5.0 U	10 UJ	4.7 U	4.3 J
1,4-Dichlorobenzene		4.1 U	17	8.1	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	12
1-Chloronaphthalene		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
1-Methylnaphthalene		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
2,4,5-Trichlorophenol		4.1 U	52 U	5.0 U	53 U	5.0 U	53 U	5.0 U	52 U	4.7 U	53 U
2,4,6-Trichlorophenol		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
2,4-Dichlorophenol		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	10 U	9.4 U	11 U
2,4-Dimethylphenol		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	10 U	9.4 U	140
2,4-Dinitrophenol		16 U	52 U	20 U	53 U	20 U	53 U	20 U	52 U	19 U	53 U
2,4-Dinitrotoluene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
2,6-Dichlorophenol		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
2,6-Dinitrotoluene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
2-Chloronaphthalene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	270
2-Chlorophenol		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
2-Methylnaphthalene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	100
2-Methylphenol		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	36
2-Nitroaniline		4.1 U	52 U	5.0 U	53 U	5.0 U	53 U	5.0 U	52 U	4.7 U	53 U
2-Nitrophenol		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	10 U	9.4 U	11 U
2-Picoline		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
3,3-Dichlorobenzidine		41 U	21 U	50 U	21 U	50 U	21 U	50 U	21 U	47 U	21 U
3-Methylcholanthrene		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
3-Methylphenol/4-Methylphenol		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
3-Nitroaniline		4.1 U	52 U	5.0 U	53 U	5.0 U	53 U	5.0 U	52 U	4.7 U	53 U
4,6-Dinitro-2-methylphenol		16 U	52 U	20 U	53 U	20 U	53 U	20 U	52 U	19 U	53 U
4-Aminobiphenyl		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
4-Bromophenyl phenyl ether		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
4-Chloroaniline		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
4-Chlorophenyl phenyl ether		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
4-Nitroaniline		4.1 U	52 U	5.0 U	53 U	5.0 U	53 U	5.0 U	52 U	4.7 U	53 U
4-Nitrophenol		8.2 U	52 U	10 U	53 U	10 U	53 U	10 U	52 U	9.4 U	53 U
7,12-Dimethylbenz(a)anthracene		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Acenaphthene		4.1 U	2.8 J	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	16

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

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	MW-13A	MW-14	MW-14	MW-15	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A
	SDG ID	L0102597	3903	L0102408	3886	L0102408	3886	L0102479	3958	L0102674	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	10
	Sample Date	03/23/2001	11/12/1999	03/19/2001	11/10/1999	03/19/2001	11/11/1999	03/21/2001	11/18/1999	03/27/2001	11/17/1999
	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		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	3.1 J
Acetophenone		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
Aniline		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Anthracene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	2.1 J
Azobenzene		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
Benzidine		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
Benzo(a)anthracene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Benzo[a]pyrene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ
Benzo(b)fluoranthene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ
Benzo(e)pyrene		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
Benzo(ghi)perylene		4.1 U	10 UJ	5.0 U	11 UJ	5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ
Benzo(k)fluoranthene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 UJ
Benzoic acid		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
Benzyl alcohol		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Biphenyl		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
bis(2-Chloroethoxy)methane		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
bis(2-Chloroethyl)ether		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	26
2,2'-oxybis(1-Chloropropane)		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	63
bis(2-Ethylhexyl)phthalate (BEHP)		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	15	9.4 U	11 U
Butyl benzyl phthalate		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Carbazole		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	8.6 J
Chlorobenzilate		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
Chrysene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Di-n-butyl phthalate		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Di-n-octyl phthalate		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Dibenzo(a,h)anthracene		4.1 U	10 U	5.0 U	11 UJ	5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ
Dibenzofuran		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Diethyl phthalate		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Dimethoate		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
Dimethyl phthalate		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Ethyl methanesulfonate		12 U	—	15 U	—	15 U	—	15 U	—	14 U	—
Fluoranthene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Fluorene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	5.5 J
Hexachlorobenzene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Hexachlorobutadiene		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	10 UJ	9.4 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.

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

	Sample ID	MW-13A	MW-14	MW-14	MW-15	MW-15	MW-16	MW-16	MW-17	MW-17	MW-22A
	SDG ID	L0102597	3903	L0102408	3886	L0102408	3886	L0102479	3958	L0102674	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	10
	Sample Date	03/23/2001	11/12/1999	03/19/2001	11/10/1999	03/19/2001	11/11/1999	03/21/2001	11/18/1999	03/27/2001	11/17/1999
	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		8.2 U	10 U	10 U	11 U	10 U	11 U	10 U	10 U	9.4 U	11 U
Hexachloroethane		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Hexachloropropene		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
Indeno(1,2,3-cd)pyrene		4.1 U	10 UJ	5.0 U	11 UJ	5.0 U	11 UJ	5.0 U	10 UJ	4.7 U	11 UJ
Isodrin		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Isophorone		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Methyl methanesulfonate		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
NDPA/DPA		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
Naphthalene		4.1 U	40	55	11 U	6.0	11 U	5.0 U	10 U	4.7 U	1200
Nitrobenzene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Nitrosodi-n-butylamine		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Nitrosodipiperidine		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
Pentachlorobenzene		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
PCNB		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Pentachlorophenol		16 U	52 U	20 U	53 U	20 U	53 U	20 U	52 U	19 U	53 U
Perylene		4.1 U	—	5.0 U	—	5.0 U	—	5.0 U	—	4.7 U	—
Phenacetin		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 U	—
Phenanthrene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	4.7 J
Phenol		4.1 U	27	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	200
Pronamide		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
Pyrene		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
Pyridine		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
a,a-Dimethylphenethylamine		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
a-Naphthylamine		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
b-Naphthylamine		16 U	—	20 U	—	20 U	—	20 U	—	19 U	—
N-Nitrosodipropylamine		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
N-Nitrosodimethylamine		41 U	—	50 U	—	50 U	—	50 U	—	47 U	—
4-Chloro-3-methylphenol		4.1 U	10 U	5.0 U	11 U	5.0 U	11 U	5.0 U	10 U	4.7 U	11 U
p-Dimethylaminoazobenzene		8.2 U	—	10 U	—	10 U	—	10 U	—	9.4 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.

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

	Sample ID	MW-22A	MW-24	MW-24	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-62	ECJ-1-72
	SDG ID	L0102674	3886	L0102408	3958	L0102627	4237	L0102627	4237	L0102627	4237
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/27/2001	11/11/1999	03/19/2001	11/18/1999	03/23/2001	12/19/1999	03/24/2001	12/18/1999	03/24/2001	12/18/1999
	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
1,2,4,5-Tetrachlorobenzene		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
1,2,4-Trichlorobenzene		4.6 U	10 U	5.0 U	4.1 J	4.0 U	12	4.0 U	74	4.3 U	90
1,2-Dichlorobenzene		4.6 U	10 U	5.0 U	3.7 J	4.0 U	10 U	4.0 U	7.2 J	4.3 U	10 J
1,3-Dichlorobenzene		4.6 U	3.2 J	5.0 U	12 J	4.0 U	6.0 J	4.0 U	21 J	4.3 U	17 J
1,4-Dichlorobenzene		17	11	9.8	36	4.0 U	12	4.0 U	12	4.3 U	9.8 J
1-Chloronaphthalene		4.6 U	—	5.0 U	—	13	—	4.0 U	—	4.3 U	—
1-Methylnaphthalene		4.6 U	—	5.0 U	—	5.2	—	4.0 U	—	4.3 U	—
2,4,5-Trichlorophenol		4.6 U	52 U	5.0 U	53 U	4.0 U	52 U	4.0 U	55 U	4.3 U	54 U
2,4,6-Trichlorophenol		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2,4-Dichlorophenol		9.3 U	10 U	10 U	11 U	8.0 U	10 U	8.1 U	11 U	8.7 U	11 U
2,4-Dimethylphenol		21	10 U	10 U	11 U	8.0 U	10 U	8.1 U	11 U	8.7 U	11 U
2,4-Dinitrophenol		18 U	52 U	20 U	53 U	16 U	52 U	16 U	55 U	17 U	54 U
2,4-Dinitrotoluene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2,6-Dichlorophenol		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
2,6-Dinitrotoluene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2-Chloronaphthalene		4.6 U	10 U	5.0 U	29	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2-Chlorophenol		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2-Methylnaphthalene		4.6 U	10 U	5.0 U	15	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2-Methylphenol		24	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2-Nitroaniline		4.6 U	52 U	5.0 U	53 U	4.0 U	52 U	4.0 U	55 U	4.3 U	54 U
2-Nitrophenol		9.3 U	10 U	10 U	11 U	8.0 U	10 U	8.1 U	11 U	8.7 U	11 U
2-Picoline		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
3,3-Dichlorobenzidine		46 U	21 U	50 U	21 U	40 U	21 U	40 U	22 U	43 U	22 U
3-Methylcholanthrene		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
3-Methylphenol/4-Methylphenol		46	—	5.0 U	—	4.0 U	—	4.0 U	—	4.3 U	—
3-Nitroaniline		4.6 U	52 U	5.0 U	53 U	4.0 U	52 U	4.0 U	55 U	4.3 U	54 U
4,6-Dinitro-2-methylphenol		18 U	52 U	20 U	53 U	16 U	52 U	16 U	55 U	17 U	54 U
4-Aminobiphenyl		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
4-Bromophenyl phenyl ether		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
4-Chloroaniline		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
4-Chlorophenyl phenyl ether		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
4-Nitroaniline		4.6 U	52 U	5.0 U	53 U	4.0 U	52 U	4.0 U	55 U	4.3 U	54 U
4-Nitrophenol		9.3 U	52 U	10 U	53 U	8.0 U	52 U	8.1 U	55 U	8.7 U	54 U
7,12-Dimethylbenz(a)anthracene		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Acenaphthene		9.1	10 U	5.0 U	3.9 J	4.0 U	10 U	4.0 U	11 U	4.3 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.

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

Compound	Sample ID	MW-22A	MW-24	MW-24	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-62	ECJ-1-72
	SDG ID	L0102674	3886	L0102408	3958	L0102627	4237	L0102627	4237	L0102627	4237
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/27/2001	11/11/1999	03/19/2001	11/18/1999	03/23/2001	12/19/1999	03/24/2001	12/18/1999	03/24/2001	12/18/1999
	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 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Acetophenone		20	—	20 U	—	16 U	—	16 U	—	17 U	—
Aniline		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Anthracene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Azobenzene		4.6 U	—	5.0 U	—	4.0 U	—	4.0 U	—	4.3 U	—
Benzidine		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
Benzo(a)anthracene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Benzo[a]pyrene		4.6 U	10 U	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Benzo(b)fluoranthene		4.6 U	10 U	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Benzo(e)pyrene		4.6 U	—	5.0 U	—	4.0 U	—	4.0 U	—	4.3 U	—
Benzo(ghi)perylene		4.6 U	10 UJ	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Benzo(k)fluoranthene		4.6 U	10 U	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Benzoic acid		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
Benzyl alcohol		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Biphenyl		4.6 U	—	5.0 U	—	4.0 U	—	4.0 U	—	4.3 U	—
bis(2-Chloroethoxy)methane		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
bis(2-Chloroethyl)ether		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
2,2'-oxybis(1-Chloropropane)		53	10 U	5.0 U	11 U	4.0 U	10 UJ	4.0 U	11 UJ	4.3 U	11 UJ
bis(2-Ethylhexyl)phthalate (BEHP)		9.3 U	10 U	10 U	11 U	8.0 U	10 U	8.1 U	11 U	8.7 U	11 U
Butyl benzyl phthalate		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Carbazole		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Chlorobenzilate		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
Chrysene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Di-n-butyl phthalate		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Di-n-octyl phthalate		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Dibenzo(a,h)anthracene		4.6 U	10 UJ	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Dibenzofuran		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Diethyl phthalate		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	3.7 J
Dimethoate		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
Dimethyl phthalate		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Ethyl methanesulfonate		14 U	—	15 U	—	12 U	—	12 U	—	13 U	—
Fluoranthene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Fluorene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Hexachlorobenzene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Hexachlorobutadiene		9.3 U	10 U	10 U	11 UJ	8.0 U	10 UJ	8.1 U	11 UJ	8.7 U	11 UJ

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

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	MW-22A	MW-24	MW-24	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-62	ECJ-1-72
	SDG ID	L0102674	3886	L0102408	3958	L0102627	4237	L0102627	4237	L0102627	4237
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/27/2001	11/11/1999	03/19/2001	11/18/1999	03/23/2001	12/19/1999	03/24/2001	12/18/1999	03/24/2001	12/18/1999
	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		9.3 U	10 U	10 U	11 U	8.0 U	10 U	8.1 U	11 U	8.7 U	11 U
Hexachloroethane		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Hexachloropropene		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
Indeno(1,2,3-cd)pyrene		4.6 U	10 UJ	5.0 U	11 UJ	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Isodrin		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Isophorone		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	6.9 J
Methyl methanesulfonate		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
NDPA/DPA		4.6 U	—	5.0 U	—	8.4	—	4.0 U	—	4.3 U	—
Naphthalene		5.6	3.0 J	16	100	4.0 U	10 U	4.0 U	3.8 J	4.3 U	15
Nitrobenzene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Nitrosodi-n-butylamine		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Nitrosodipiperidine		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
Pentachlorobenzene		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
PCNB		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Pentachlorophenol		18 U	52 U	20 U	53 U	16 U	52 U	16 U	55 U	17 U	54 U
Perylene		4.6 U	—	5.0 U	—	4.0 U	—	4.0 U	—	4.3 U	—
Phenacetin		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—
Phenanthrene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Phenol		34	45	14	5.7 J	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Pronamide		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
Pyrene		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
Pyridine		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
a,a-Dimethylphenethylamine		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
a-Naphthylamine		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
b-Naphthylamine		18 U	—	20 U	—	16 U	—	16 U	—	17 U	—
N-Nitrosodipropylamine		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
N-Nitrosodimethylamine		46 U	—	50 U	—	40 U	—	40 U	—	43 U	—
4-Chloro-3-methylphenol		4.6 U	10 U	5.0 U	11 U	4.0 U	10 U	4.0 U	11 U	4.3 U	11 U
p-Dimethylaminoazobenzene		9.3 U	—	10 U	—	8.0 U	—	8.1 U	—	8.7 U	—

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

Samples were analyzed undiluted.

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

	Sample ID	ECJ-1-72	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-82
	SDG ID	L0102625	4237	L0102625	4237	L0102625	4237	L0102597	4345	L0102765	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/24/2001	12/18/1999	03/24/2001	12/17/1999	03/23/2001	12/17/1999	03/23/2001	01/03/2000	03/29/2001	01/03/2000
	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
1,2,4,5-Tetrachlorobenzene		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
1,2,4-Trichlorobenzene		4.6 U	3.1 J	4.2 U	65	62	11 U	3.8 U	11 U	4.8 U	11 U
1,2-Dichlorobenzene		4.6 U	5.9 J	4.2 U	6.7 J	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
1,3-Dichlorobenzene		4.6 U	18 J	9.4	24 J	17	11 UJ	3.8 U	11 U	4.8 U	2.2 J
1,4-Dichlorobenzene		21	50	33	7.4 J	29	5.9 J	3.8 U	3.2 J	4.8 U	2.2 J
1-Chloronaphthalene		4.6 U	—	4.2 U	—	4.0 U	—	3.8 U	—	4.8 U	—
1-Methylnaphthalene		4.6 U	—	6.5	—	4.0 U	—	3.8 U	—	4.8 U	—
2,4,5-Trichlorophenol		4.6 U	52 UJ	4.2 U	56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	53 U
2,4,6-Trichlorophenol		4.6 U	10 UJ	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2,4-Dichlorophenol		9.2 U	10 UJ	8.4 U	11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	11 U
2,4-Dimethylphenol		9.2 U	10 UJ	8.4 U	11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	11 U
2,4-Dinitrophenol		18 U	52 UJ	17 U	56 U	16 U	55 U	15 U	R	19 U	R
2,4-Dinitrotoluene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2,6-Dichlorophenol		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
2,6-Dinitrotoluene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2-Chloronaphthalene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2-Chlorophenol		4.6 U	10 UJ	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2-Methylnaphthalene		4.6 U	10 U	6.0	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2-Methylphenol		4.6 U	2.2 J	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2-Nitroaniline		4.6 U	52 U	4.2 U	56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	53 U
2-Nitrophenol		9.2 U	10 UJ	8.4 U	11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	11 U
2-Picoline		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
3,3-Dichlorobenzidine		46 U	21 U	42 U	22 U	40 U	22 U	38 U	21 U	48 U	21 U
3-Methylcholanthrene		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
3-Methylphenol/4-Methylphenol		4.6 U	—	4.2 U	—	4.6	—	3.8 U	—	4.8 U	—
3-Nitroaniline		4.6 U	52 U	4.2 U	56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	53 U
4,6-Dinitro-2-methylphenol		18 U	52 UJ	17 U	56 U	16 U	55 U	15 U	53 UJ	19 U	53 UJ
4-Aminobiphenyl		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
4-Bromophenyl phenyl ether		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
4-Chloroaniline		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
4-Chlorophenyl phenyl ether		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
4-Nitroaniline		4.6 U	52 U	4.2 U	56 U	4.0 U	55 U	3.8 U	53 U	4.8 U	53 U
4-Nitrophenol		9.2 U	52 UJ	8.4 U	56 U	8.1 U	55 U	7.5 U	53 UJ	9.7 U	53 UJ
7,12-Dimethylbenz(a)anthracene		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Acenaphthene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U

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

Samples were analyzed undiluted.

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

	Sample ID	ECJ-1-72	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-82
	SDG ID	L0102625	4237	L0102625	4237	L0102625	4237	L0102597	4345	L0102765	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/24/2001	12/18/1999	03/24/2001	12/17/1999	03/23/2001	12/17/1999	03/23/2001	01/03/2000	03/29/2001	01/03/2000
	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
Acenaphthylene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Acetophenone		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
Aniline		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Anthracene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Azobenzene		4.6 U	—	4.2 U	—	4.0 U	—	3.8 U	—	4.8 U	—
Benzidine		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
Benzo(a)anthracene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Benzo[a]pyrene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Benzo(b)fluoranthene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Benzo(e)pyrene		4.6 U	—	4.2 U	—	4.0 U	—	3.8 U	—	4.8 U	—
Benzo(ghi)perylene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	11 UJ
Benzo(k)fluoranthene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Benzoic acid		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
Benzyl alcohol		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Biphenyl		4.6 U	—	4.2 U	—	4.0 U	—	3.8 U	—	4.8 U	—
bis(2-Chloroethoxy)methane		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
bis(2-Chloroethyl)ether		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
2,2'-oxybis(1-Chloropropane)		4.6 U	10 UJ	4.2 U	11 UJ	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
bis(2-Ethylhexyl)phthalate (BEHP)		9.2 U	10 U	8.4 U	11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	11 U
Butyl benzyl phthalate		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Carbazole		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Chlorobenzilate		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
Chrysene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Di-n-butyl phthalate		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Di-n-octyl phthalate		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Dibenzo(a,h)anthracene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	11 UJ
Dibenzofuran		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Diethyl phthalate		4.6 U	2.7 J	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Dimethoate		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
Dimethyl phthalate		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Ethyl methanesulfonate		14 U	—	12 U	—	12 U	—	11 U	—	14 U	—
Fluoranthene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Fluorene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Hexachlorobenzene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Hexachlorobutadiene		9.2 U	10 UJ	8.4 U	11 UJ	8.1 U	11 UJ	7.5 U	11 U	9.7 U	11 U

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

Samples were analyzed undiluted.

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

	Sample ID	ECJ-1-72	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-82
	SDG ID	L0102625	4237	L0102625	4237	L0102625	4237	L0102597	4345	L0102765	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/24/2001	12/18/1999	03/24/2001	12/17/1999	03/23/2001	12/17/1999	03/23/2001	01/03/2000	03/29/2001	01/03/2000
	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		9.2 U	10 U	8.4 U	11 U	8.1 U	11 U	7.5 U	11 U	9.7 U	11 U
Hexachloroethane		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Hexachloropropene		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
Indeno(1,2,3-cd)pyrene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 UJ	4.8 U	11 UJ
Isodrin		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Isophorone		4.6 U	3.6 J	4.2 U	11 U	43	11 U	3.8 U	11 U	4.8 U	11 U
Methyl methanesulfonate		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
NDPA/DPA		4.6 U	—	14	—	4.0 U	—	3.8 U	—	4.8 U	—
Naphthalene		4.6 U	15	120	6.3 J	27	11 U	3.8 U	11 U	4.8 U	11 U
Nitrobenzene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Nitrosodi-n-butylamine		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Nitrosodipiperidine		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
Pentachlorobenzene		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
PCNB		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Pentachlorophenol		18 U	52 UJ	17 U	56 U	16 U	55 U	15 U	53 U	19 U	53 U
Perylene		4.6 U	—	4.2 U	—	4.0 U	—	3.8 U	—	4.8 U	—
Phenacetin		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 U	—
Phenanthrene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Phenol		4.6 U	10 UJ	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Pronamide		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
Pyrene		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
Pyridine		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
a,a-Dimethylphenethylamine		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
a-Naphthylamine		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
b-Naphthylamine		18 U	—	17 U	—	16 U	—	15 U	—	19 U	—
N-Nitrosodipropylamine		4.6 U	10 U	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
N-Nitrosodimethylamine		46 U	—	42 U	—	40 U	—	38 U	—	48 U	—
4-Chloro-3-methylphenol		4.6 U	10 UJ	4.2 U	11 U	4.0 U	11 U	3.8 U	11 U	4.8 U	11 U
p-Dimethylaminoazobenzene		9.2 U	—	8.4 U	—	8.1 U	—	7.5 U	—	9.7 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.

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

	Sample ID	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126
	SDG ID	L0102727	4345	L0102727	4249	L0102727	4249	L0102727	L0102960	L0102960	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/28/2001	01/03/2000	03/28/2001	12/20/1999	03/28/2001	12/19/1999	03/28/2001	04/03/2001	04/03/2001	04/03/2001
	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
1,2,4,5-Tetrachlorobenzene		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
1,2,4-Trichlorobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
1,2-Dichlorobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
1,3-Dichlorobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
1,4-Dichlorobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
1-Chloronaphthalene		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
1-Methylnaphthalene		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
2,4,5-Trichlorophenol		4.7 U	53 U	4.5 U	60 U	4.9 U	52 U	4.9 U	4.9 U	4.5 U	4.5 U
2,4,6-Trichlorophenol		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2,4-Dichlorophenol		9.4 U	11 U	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U
2,4-Dimethylphenol		9.4 U	3.9 J	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U
2,4-Dinitrophenol		19 U	R	18 U	60 U	20 U	52 U	20 U	20 U	18 U	18 U
2,4-Dinitrotoluene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2,6-Dichlorophenol		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
2,6-Dinitrotoluene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2-Chloronaphthalene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2-Chlorophenol		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2-Methylnaphthalene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2-Methylphenol		4.7 U	4.9 J	4.5 U	12 U	4.9 U	2.6 J	4.9 U	4.9 U	4.5 U	4.5 U
2-Nitroaniline		4.7 U	53 U	4.5 U	60 U	4.9 U	52 U	4.9 U	4.9 U	4.5 U	4.5 U
2-Nitrophenol		9.4 U	11 U	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U
2-Picoline		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
3,3-Dichlorobenzidine		47 U	21 UJ	45 U	24 U	49 U	21 U	49 U	49 U	45 U	45 U
3-Methylcholanthrene		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
3-Methylphenol/4-Methylphenol		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
3-Nitroaniline		4.7 U	53 U	4.5 U	60 U	4.9 U	52 U	4.9 U	4.9 U	4.5 U	4.5 U
4,6-Dinitro-2-methylphenol		19 U	53 UJ	18 U	60 U	20 U	52 U	20 U	20 U	18 U	18 U
4-Aminobiphenyl		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
4-Bromophenyl phenyl ether		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
4-Chloroaniline		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
4-Chlorophenyl phenyl ether		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
4-Nitroaniline		4.7 U	53 U	4.5 U	60 U	4.9 U	52 U	4.9 U	4.9 U	4.5 U	4.5 U
4-Nitrophenol		9.4 U	53 UJ	9.1 U	60 U	9.8 U	52 U	9.8 U	9.8 U	9.1 U	9.0 U
7,12-Dimethylbenz(a)anthracene		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Acenaphthene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 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.

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

Compound	Sample ID	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126
	SDG ID	L0102727	4345	L0102727	4249	L0102727	4249	L0102727	L0102960	L0102960	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/28/2001	01/03/2000	03/28/2001	12/20/1999	03/28/2001	12/19/1999	03/28/2001	04/03/2001	04/03/2001	04/03/2001
	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		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Acetophenone		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
Aniline		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Anthracene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Azobenzene		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
Benzidine		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
Benzo(a)anthracene		4.7 U	11 UJ	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Benzo[a]pyrene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Benzo(b)fluoranthene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Benzo(e)pyrene		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
Benzo(ghi)perylene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Benzo(k)fluoranthene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Benzoic acid		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
Benzyl alcohol		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Biphenyl		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
bis(2-Chloroethoxy)methane		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
bis(2-Chloroethyl)ether		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
2,2'-oxybis(1-Chloropropane)		4.7 U	11 U	4.5 U	12 UJ	4.9 U	10 UJ	4.9 U	4.9 U	4.5 U	4.5 U
bis(2-Ethylhexyl)phthalate (BEHP)		9.4 U	11 UJ	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U
Butyl benzyl phthalate		4.7 U	11 UJ	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Carbazole		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Chlorobenzilate		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
Chrysene		4.7 U	11 UJ	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Di-n-butyl phthalate		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Di-n-octyl phthalate		4.7 U	11 UJ	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Dibenzo(a,h)anthracene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Dibenzofuran		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Diethyl phthalate		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Dimethoate		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
Dimethyl phthalate		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Ethyl methanesulfonate		14 U	—	14 U	—	15 U	—	15 U	15 U	14 U	13 U
Fluoranthene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Fluorene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Hexachlorobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Hexachlorobutadiene		9.4 U	11 U	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U

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

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

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

Compound	Sample ID	ECJ-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187	ECJ-3-51	ECJ-3-91	ECJ-3-126
	SDG ID	L0102727	4345	L0102727	4249	L0102727	4249	L0102727	L0102960	L0102960	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/28/2001	01/03/2000	03/28/2001	12/20/1999	03/28/2001	12/19/1999	03/28/2001	04/03/2001	04/03/2001	04/03/2001
	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		9.4 U	11 U	9.1 U	12 U	9.8 U	10 U	9.8 U	9.8 U	9.1 U	9.0 U
Hexachloroethane		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Hexachloropropene		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
Indeno(1,2,3-cd)pyrene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Isodrin		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Isophorone		4.7 U	11 U	4.5 U	12 U	9.0	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Methyl methanesulfonate		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
NDPA/DPA		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
Naphthalene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Nitrobenzene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Nitrosodi-n-butylamine		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Nitrosodipiperidine		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
Pentachlorobenzene		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
PCNB		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Pentachlorophenol		19 U	53 U	18 U	60 U	20 U	52 U	20 U	20 U	18 U	18 U
Perylene		4.7 U	—	4.5 U	—	4.9 U	—	4.9 U	4.9 U	4.5 U	4.5 U
Phenacetin		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U
Phenanthrene		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Phenol		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Pronamide		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
Pyrene		4.7 U	11 UJ	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
Pyridine		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
a,a-Dimethylphenethylamine		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
a-Naphthylamine		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
b-Naphthylamine		19 U	—	18 U	—	20 U	—	20 U	20 U	18 U	18 U
N-Nitrosodipropylamine		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
N-Nitrosodimethylamine		47 U	—	45 U	—	49 U	—	49 U	49 U	45 U	45 U
4-Chloro-3-methylphenol		4.7 U	11 U	4.5 U	12 U	4.9 U	10 U	4.9 U	4.9 U	4.5 U	4.5 U
p-Dimethylaminoazobenzene		9.4 U	—	9.1 U	—	9.8 U	—	9.8 U	9.8 U	9.1 U	9.0 U

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

Samples were analyzed undiluted.

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

	Sample ID	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227
	SDG ID	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	01/05/2000	03/27/2001	01/04/2000	03/26/2001	01/04/2000	04/03/2001	01/04/2000	04/03/2001
	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
1,2,4,5-Tetrachlorobenzene		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
1,2,4-Trichlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
1,2-Dichlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
1,3-Dichlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
1,4-Dichlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
1-Chloronaphthalene		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
1-Methylnaphthalene		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
2,4,5-Trichlorophenol		52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	R	4.2 U	53 U	4 U
2,4,6-Trichlorophenol		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2,4-Dichlorophenol		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U
2,4-Dimethylphenol		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U
2,4-Dinitrophenol		52 U	20 U	51 U	19 U	R	19 U	53 U	17 U	R	16 U
2,4-Dinitrotoluene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2,6-Dichlorophenol		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
2,6-Dinitrotoluene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2-Chloronaphthalene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2-Chlorophenol		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2-Methylnaphthalene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2-Methylphenol		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2-Nitroaniline		52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U	53 U	4 U
2-Nitrophenol		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U
2-Picoline		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
3,3-Dichlorobenzidine		21 U	50 U	20 U	48 U	20 U	47 U	21 U	42 U	21 U	40 U
3-Methylcholanthrene		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
3-Methylphenol/4-Methylphenol		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
3-Nitroaniline		52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U	53 U	4 U
4,6-Dinitro-2-methylphenol		52 U	20 U	51 U	19 U	51 UJ	19 U	53 UJ	17 U	53 UJ	16 U
4-Aminobiphenyl		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
4-Bromophenyl phenyl ether		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
4-Chloroaniline		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
4-Chlorophenyl phenyl ether		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
4-Nitroaniline		52 U	5.0 U	51 U	4.8 U	51 U	4.7 U	53 U	4.2 U	53 U	4 U
4-Nitrophenol		52 U	10 U	51 U	9.6 U	51 UJ	9.5 U	53 UJ	8.4 U	53 UJ	8.1 U
7,12-Dimethylbenz(a)anthracene		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Acenaphthene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U

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

Samples were analyzed undiluted.

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

Compound	Sample ID	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227
	SDG ID	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	01/05/2000	03/27/2001	01/04/2000	03/26/2001	01/04/2000	04/03/2001	01/04/2000	04/03/2001
	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	4.7 U	11 U	4.2 U	11 U	4 U
Acetophenone		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
Aniline		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Anthracene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Azobenzene		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
Benzidine		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
Benzo(a)anthracene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Benzo[a]pyrene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 UJ	4 U
Benzo(b)fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 UJ	4 U
Benzo(e)pyrene		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
Benzo(ghi)perylene		10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U	11 UJ	4 U
Benzo(k)fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 UJ	4 U
Benzoic acid		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
Benzyl alcohol		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Biphenyl		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
bis(2-Chloroethoxy)methane		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
bis(2-Chloroethyl)ether		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
2,2'-oxybis(1-Chloropropane)		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
bis(2-Ethylhexyl)phthalate (BEHP)		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U
Butyl benzyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Carbazole		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Chlorobenzilate		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
Chrysene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 UJ	4.2 U	11 U	4 U
Di-n-butyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Di-n-octyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Dibenzo(a,h)anthracene		10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U	11 UJ	4 U
Dibenzofuran		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Diethyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Dimethoate		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
Dimethyl phthalate		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Ethyl methanesulfonate		—	15 U	—	14 U	—	14 U	—	13 U	—	12 U
Fluoranthene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Fluorene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Hexachlorobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Hexachlorobutadiene		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U

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

Samples were analyzed undiluted.

O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227
	SDG ID	4357	L0102730	4357	L0102730	4345	L0102674	4345	L0102629	4345	L0102629
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	01/05/2000	03/27/2001	01/05/2000	03/27/2001	01/04/2000	03/26/2001	01/04/2000	04/03/2001	01/04/2000	04/03/2001
	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		10 U	10 U	10 U	9.6 U	10 U	9.5 U	11 U	8.4 U	11 U	8.1 U
Hexachloroethane		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Hexachloropropene		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
Indeno(1,2,3-cd)pyrene		10 U	5.0 U	10 U	4.8 U	10 UJ	4.7 U	11 U	4.2 U	11 UJ	4 U
Isodrin		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Isophorone		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Methyl methanesulfonate		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
NDPA/DPA		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
Naphthalene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Nitrobenzene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Nitrosodi-n-butylamine		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Nitrosodipiperidine		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
Pentachlorobenzene		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
PCNB		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Pentachlorophenol		52 U	20 U	51 U	19 U	51 U	19 U	53 U	17 U	53 U	16 U
Perylene		—	5.0 U	—	4.8 U	—	4.7 U	—	4.2 U	—	4 U
Phenacetin		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 U
Phenanthrene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Phenol		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Pronamide		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
Pyrene		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
Pyridine		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
a,a-Dimethylphenethylamine		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
a-Naphthylamine		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
b-Naphthylamine		—	20 U	—	19 U	—	19 U	—	17 U	—	16 U
N-Nitrosodipropylamine		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
N-Nitrosodimethylamine		—	50 U	—	48 U	—	47 U	—	42 U	—	40 U
4-Chloro-3-methylphenol		10 U	5.0 U	10 U	4.8 U	10 U	4.7 U	11 U	4.2 U	11 U	4 U
p-Dimethylaminoazobenzene		—	10 U	—	9.6 U	—	9.5 U	—	8.4 U	—	8.1 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.

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

	Sample ID	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629
	Dilution Factor	1	1
	Sample Date	01/04/2000	04/03/2001
	Units	ug/L	ug/L
Compound	Matrix	WATER	WATER
1,2,4,5-Tetrachlorobenzene		—	R
1,2,4-Trichlorobenzene		11 U	R
1,2-Dichlorobenzene		11 U	R
1,3-Dichlorobenzene		11 U	R
1,4-Dichlorobenzene		11 U	R
1-Chloronaphthalene		—	R
1-Methylnaphthalene		—	R
2,4,5-Trichlorophenol		53 U	R
2,4,6-Trichlorophenol		11 U	R
2,4-Dichlorophenol		11 U	R
2,4-Dimethylphenol		11 U	R
2,4-Dinitrophenol		R	R
2,4-Dinitrotoluene		11 U	R
2,6-Dichlorophenol		—	R
2,6-Dinitrotoluene		11 U	R
2-Chloronaphthalene		11 U	R
2-Chlorophenol		11 U	R
2-Methylnaphthalene		11 U	R
2-Methylphenol		11 U	R
2-Nitroaniline		53 U	R
2-Nitrophenol		11 U	R
2-Picoline		—	R
3,3-Dichlorobenzidine		21 U	R
3-Methylcholanthrene		—	R
3-Methylphenol/4-Methylphenol		—	R
3-Nitroaniline		53 U	R
4,6-Dinitro-2-methylphenol		53 UJ	R
4-Aminobiphenyl		—	R
4-Bromophenyl phenyl ether		11 U	R
4-Chloroaniline		11 U	R
4-Chlorophenyl phenyl ether		11 U	R
4-Nitroaniline		53 U	R
4-Nitrophenol		53 UJ	R
7,12-Dimethylbenz(a)anthracene		—	R
Acenaphthene		11 U	R

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

Samples were analyzed undiluted.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629
	Dilution Factor	1	1
	Sample Date	01/04/2000	04/03/2001
	Units	ug/L	ug/L
Compound	Matrix	WATER	WATER
Acenaphthylene		11 U	R
Acetophenone		—	R
Aniline		—	R
Anthracene		11 U	R
Azobenzene		—	R
Benzidine		—	R
Benzo(a)anthracene		11 U	R
Benzo[a]pyrene		11 UJ	R
Benzo(b)fluoranthene		11 UJ	R
Benzo(e)pyrene		—	R
Benzo(ghi)perylene		11 UJ	R
Benzo(k)fluoranthene		11 UJ	R
Benzoic acid		—	R
Benzyl alcohol		—	R
Biphenyl		—	R
bis(2-Chloroethoxy)methane		11 U	R
bis(2-Chloroethyl)ether		11 U	R
2,2'-oxybis(1-Chloropropane)		11 U	R
bis(2-Ethylhexyl)phthalate (BEHP)		11 U	R
Butyl benzyl phthalate		11 U	R
Carbazole		11 U	R
Chlorobenzilate		—	R
Chrysene		11 U	R
Di-n-butyl phthalate		11 U	R
Di-n-octyl phthalate		11 U	R
Dibenzo(a,h)anthracene		11 UJ	R
Dibenzofuran		11 U	R
Diethyl phthalate		11 U	R
Dimethoate		—	R
Dimethyl phthalate		11 U	R
Ethyl methanesulfonate		—	R
Fluoranthene		11 U	R
Fluorene		11 U	R
Hexachlorobenzene		11 U	R
Hexachlorobutadiene		11 U	R

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

Samples were analyzed undiluted.

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

	Sample ID	ECJ-4-245	ECJ-4-245
	SDG ID	4345	L0102629
	Dilution Factor	1	1
	Sample Date	01/04/2000	04/03/2001
	Units	ug/L	ug/L
Compound	Matrix	WATER	WATER
Hexachlorocyclopentadiene		11 U	R
Hexachloroethane		11 U	R
Hexachloropropene		—	R
Indeno(1,2,3-cd)pyrene		11 UJ	R
Isodrin		—	R
Isophorone		11 U	R
Methyl methanesulfonate		—	R
NDPA/DPA		—	R
Naphthalene		11 U	R
Nitrobenzene		11 U	R
Nitrosodi-n-butylamine		—	R
Nitrosodipiperidine		—	R
Pentachlorobenzene		—	R
PCNB		—	R
Pentachlorophenol		53 U	R
Perylene		—	R
Phenacetin		—	R
Phenanthrene		11 U	R
Phenol		11 U	R
Pronamide		—	R
Pyrene		11 U	R
Pyridine		—	R
a,a-Dimethylphenethylamine		—	R
a-Naphthylamine		—	R
b-Naphthylamine		—	R
N-Nitrosodipropylamine		11 U	R
N-Nitrosodimethylamine		—	R
4-Chloro-3-methylphenol		11 U	R
p-Dimethylaminoazobenzene		—	R

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

Samples were analyzed undiluted.

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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	12/14/2001	12/14/2001	12/14/2001	12/14/2001	12/14/2001	12/14/2001	12/14/2001
	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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Table 4
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 8082 PCB Data
Historical Data Summary

	Sample ID	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477
	Dilution Factor	1	1	1	1	1	1	1	1	1	5
	Sample Date	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001
	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	0.5 U	0.459 U	0.500 UJ	0.5 U	0.454 U	0.500 U	0.5 U	0.454 U	2.50 U
Aroclor 1232		0.500 U	5.16 J*	0.459 U	0.500 UJ	2.04 J*	0.454 U	0.500 U	0.5 U	0.454 U	2.50 U
Aroclor 1242/1016		0.500 U	0.5 U	4.2	0.500 UJ	0.5 U	1.66	0.500 U	0.5 U	1.26 *	2.50 U
Aroclor 1248		0.500 U	0.5 U	0.459 U	0.500 UJ	0.5 U	0.454 U	0.500 U	0.5 U	0.454 U	2.50 U
Aroclor 1254		0.953 J*	1.23 *	0.459 U	0.500 UJ	0.546 *	0.454 U	0.867 J*	4.42	0.454 U	29.6
Aroclor 1260		0.500 U	0.5 U	0.459 U	0.500 UJ	0.5 U	0.454 U	0.500 U	0.5 U	0.454 U	2.50 U

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

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

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

	Sample ID	OBG-1	OBG-1	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	OBG-3	Collection Trench	Collection Trench
	SDG ID	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0111561
	Dilution Factor	10	50	1	1	1	1	1	1	1	1
	Sample Date	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	12/07/2001
	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		5 U	23 U	0.500 U	0.5 U	0.454 U	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U
Aroclor 1232		14 J*	23 U	0.500 U	4.9 J*	0.454 U	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U
Aroclor 1242/1016		5 U	104	0.500 U	0.5 U	8.4	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U
Aroclor 1248		5 U	23 U	0.500 U	0.5 U	0.454 U	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U
Aroclor 1254		12.2	408	1.01 J*	1.14 *	0.454 U	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U
Aroclor 1260		5 U	23 U	0.500 U	0.5 U	0.454 U	0.500 U	0.5 U	0.5 U	0.500 U	0.459 U

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

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

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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-4A
	SDG ID	3903	L0102408	L0105431	L0108729	L0111345	3930	L0102674	L0108767	L0111491	3930
	Dilution Factor	5	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/1999	03/19/2001	06/14/2001	09/19/2001	12/03/2001	11/15/1999	03/26/2001	09/20/2001	12/05/2001	11/15/1999
	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		2.5 U	2.50 U	0.426 U	0.5 U	0.479 U	0.51 U	0.479 U	0.469 U	0.474 U	0.51 U
Aroclor 1232		2.5 U	2.50 U	0.426 U	0.5 U	0.479 U	0.51 U	0.479 U	0.469 U	0.474 U	0.51 U
Aroclor 1242/1016		17 *	8.61 J*	5.9	R	4.55*	0.51 U	0.479 U	0.469 U	0.474 U	0.51 U
Aroclor 1248		2.5 U	2.50 U	0.426 U	0.5 U	0.479 U	0.51 U	0.479 U	0.469 U	0.474 U	0.51 U
Aroclor 1254		2.5 U	2.50 U	0.426 U	0.5 U	0.479 U	0.51 U	0.479 U	0.469 U	0.474 U	0.51 U
Aroclor 1260		2.5 U	2.50 U	0.426 U	0.5 U	0.479 U	0.51 U	0.479 U	0.469 U	0.474 U	0.51 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	MW-4A	MW-4A	MW-4A	MW-5	MW-5	MW-5	MW-5	MW-5A	MW-5A	MW-5A
	SDG ID	L0102627	L0108767	L0111491	3930	L0102630	L0108767	L0111491	3930	L0102630	L0108767
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/24/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001	09/20/2001
	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	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 U
Aroclor 1232		0.500 U	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 U
Aroclor 1242/1016		0.500 U	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 U
Aroclor 1248		0.500 U	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 U
Aroclor 1254		0.500 U	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 U
Aroclor 1260		0.500 U	0.462 U	0.479 U	0.53 U	0.435 U	0.481 U	0.484 U	0.53 U	0.430 U	0.476 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-5A	MW-6	MW-6	MW-6	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-8
	SDG ID	L0111491	3970	L0102437	L0108838	L0111491	3930	L0102437	L0108838	L0111491	3930
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/2001	11/17/1999	03/20/2001	09/20/2001	12/05/2001	11/16/1999	03/20/2001	09/20/2001	12/05/2001	11/15/1999
	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	0.50 U	2.50 U	0.489 U	0.5 U	0.53 U	2.50 U	0.464 U	0.474 U	0.51 U
Aroclor 1232		0.5 U	0.50 U	2.50 U	0.489 U	0.5 U	0.53 U	2.50 U	0.464 U	0.474 U	0.51 U
Aroclor 1242/1016		0.5 U	0.50 U	2.50 U	0.489 U	0.5 U	0.53 U	2.50 U	0.464 U	0.474 U	0.51 U
Aroclor 1248		0.5 U	0.50 U	2.50 U	0.489 U	0.5 U	0.53 U	2.50 U	0.464 U	0.474 U	0.51 U
Aroclor 1254		0.5 U	0.50 U	2.50 U	0.489 U	0.5 U	0.12 J	2.50 U	0.464 U	0.474 U	0.51 U
Aroclor 1260		0.5 U	0.50 U	2.50 U	0.489 U	0.5 U	0.53 U	2.50 U	0.464 U	0.474 U	0.51 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-8	MW-8	MW-8	MW-8	MW-8A	MW-8A	MW-8A	MW-8A	MW-8A	MW-10
	SDG ID	L0102437	L0107373	L0109029	L0111561	3930	L0102437	L0107373	L0109029	L0111561	L0102479
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/20/2001	08/09/2001	09/26/2001	12/06/2001	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001	03/21/2001
	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	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 U
Aroclor 1232		2.50 U	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 U
Aroclor 1242/1016		2.50 U	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 U
Aroclor 1248		2.50 U	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 U
Aroclor 1254		2.50 U	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 U
Aroclor 1260		2.50 U	2.5 U	0.5 U	0.474 U	0.53 U	2.50 U	2.5 U	0.5 U	0.489 UJ	2.50 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-10	MW-10	MW-10AR	MW-10AR	MW-10AR	MW-10B	MW-10B	MW-10B	MW-12AR	MW-12AR
	SDG ID	L0109029	L0111561	L0102674	L0108901	L0111561	L0102479	L0109029	L0111561	3958	L0102630
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	09/27/2001	12/06/2001	03/27/2001	09/24/2001	12/06/2001	03/21/2001	09/27/2001	12/06/2001	11/18/1999	03/26/2001
	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	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.52 U	0.417 U
Aroclor 1232		0.5 U	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.52 U	0.417 U
Aroclor 1242/1016		0.5 U	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.27 J*	0.417 U
Aroclor 1248		0.5 U	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.52 U	0.417 U
Aroclor 1254		0.5 U	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.52 U	0.417 U
Aroclor 1260		0.5 U	0.479 U	0.474 U	0.5 U	0.5 UJ	2.50 U	0.5 U	0.469 U	0.52 U	0.417 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-12AR	MW-12AR	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A
	SDG ID	L0105431	L0109029	3970	L0102597	L0109029	L0111394	3970	L0102597	L0108838	L0111394
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/14/2001	09/26/2001	11/17/1999	03/23/2001	09/26/2001	12/04/2001	11/17/1999	03/23/2001	09/21/2001	12/04/2001
	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		0.426 U	0.5 U	0.52 U	0.408 U	0.5 U	0.474 U	0.51 U	0.408 U	0.5 U	0.479 U
Aroclor 1232		0.426 U	0.5 U	0.52 U	0.408 U	0.5 U	0.474 U	0.51 U	0.408 U	0.5 U	0.479 U
Aroclor 1242/1016		0.426 U	2.26 *	0.26 J*	0.408 U	0.5 U	0.474 U	0.31 J*	0.408 U	0.5 U	0.479 U
Aroclor 1248		0.426 U	0.5 U	0.52 U	0.408 U	0.5 U	0.474 U	0.51 U	0.408 U	0.5 U	0.479 U
Aroclor 1254		0.426 U	0.5 U	0.52 U	0.408 U	0.5 U	0.474 U	0.51 U	0.408 U	0.5 U	0.479 U
Aroclor 1260		0.426 U	0.5 U	0.52 U	0.408 U	0.5 U	0.474 U	0.51 U	0.408 U	0.5 U	0.479 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-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15
	SDG ID	3903	L0102408	L0105431	L0108838	L0111345	3886	L0102408	L0105431	L0108729	L0111345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	11/12/1999	03/19/2001	06/14/2001	09/21/2001	12/03/2001	11/10/1999	03/19/2001	06/13/2001	09/18/2001	12/03/2001
	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	0.56 U	2.50 U	0.417 U	0.5 U	0.479 U
Aroclor 1232		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.56 U	2.50 U	0.417 U	0.5 U	0.479 U
Aroclor 1242/1016		0.83 *	2.50 U	0.43 U	0.459 U	0.96*	1.5 *	3.70 J*	0.417 U	R	2.24*
Aroclor 1248		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.56 U	2.50 U	0.417 U	0.5 U	0.479 U
Aroclor 1254		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.56 U	2.50 U	0.417 U	0.5 U	0.479 U
Aroclor 1260		0.52 U	2.50 U	0.43 U	0.459 U	0.474 U	0.56 U	2.50 U	0.417 U	0.5 U	0.479 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	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-22A
	SDG ID	3886	L0102479	L0105431	L0108729	L0111345	3958	L0102674	L0108838	L0111561	3970
	Dilution Factor	1	1	1	1	1	1	1	1	1	5
	Sample Date	11/11/1999	03/21/2001	06/13/2001	09/18/2001	12/03/2001	11/18/1999	03/27/2001	09/21/2001	12/06/2001	11/17/1999
	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	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 U	2.6 U
Aroclor 1232		0.52 U	2.50 U	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 U	2.6 U
Aroclor 1242/1016		0.52 U	2.50 U	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 U	22 *
Aroclor 1248		0.52 U	2.50 U	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 U	2.6 U
Aroclor 1254		0.090 J	2.50 U	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 U	2.6 U
Aroclor 1260		0.52 U	2.50 U	0.408 U	0.464 U	0.476 U	0.53 U	0.469 U	0.5 U	0.489 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	GCA-1	GCA-1	GCA-1
	SDG ID	L0102674	L0109029	3886	L0102408	L0105431	L0108729	L0111345	3958	L0102627	L0109029
	Dilution Factor	10	25	10	5	1	1	1	5	1	1
	Sample Date	03/27/2001	09/27/2001	11/11/1999	03/19/2001	06/13/2001	09/19/2001	12/03/2001	11/18/1999	03/23/2001	09/26/2001
	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	2.6 U	0.400 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	2.6 U	0.400 U	0.5 U
Aroclor 1242/1016		4.64 U	61.2 J*	47 *	36.7 J*	0.435 U	R	26* J	14 *	0.400 U	4.07
Aroclor 1248		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	2.6 U	0.400 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	2.6 U	0.400 U	1.76
Aroclor 1260		4.64 U	12.5 U	5.1 U	12.5 U	0.435 U	0.5 U	0.5 U	2.6 U	0.400 U	0.5 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	GCA-1	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62
	SDG ID	L0111394	4237	L0102627	L0105697	L0108767	L0111395	4237	L0102627	L0105697	L0108729
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/04/2001	12/19/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001
	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	0.53 U	0.500 U	0.5 U	0.474 U	0.459 U	0.56 UJ	0.374 U	0.464 U	0.474 U
Aroclor 1232		0.459 U	0.53 U	0.500 U	0.5 U	0.474 U	0.459 U	0.56 UJ	0.374 U	0.464 U	0.474 U
Aroclor 1242/1016		2.53 *	1.1 *	0.500 U	0.5 U	0.474 U	1.82 *	0.52 J*	0.374 U	0.464 U	R
Aroclor 1248		0.459 U	0.53 U	0.500 U	0.5 U	0.474 U	0.459 U	0.56 UJ	0.374 U	0.464 U	0.474 U
Aroclor 1254		0.459 U	0.53 U	2.85 J*	1.67 J	1.12 J	4.29 *	0.56 UJ	0.747 J*	0.464 U	0.474 U
Aroclor 1260		0.459 U	0.53 U	0.500 U	0.5 U	0.474 U	0.459 U	0.56 UJ	0.374 U	0.464 U	0.474 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-1-62	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-72	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122
	SDG ID	L0111395	4237	L0102625	L0105697	L0108729	L0111395	4237	L0102625	L0105697	L0108729
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/04/2001	12/18/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	03/24/2001	06/21/2001	09/19/2001
	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	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	0.489 U	0.5 U
Aroclor 1232		0.459 U	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	0.489 U	0.5 U
Aroclor 1242/1016		0.459 U	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	1.56	R
Aroclor 1248		0.459 U	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	0.489 U	0.5 U
Aroclor 1254		0.459 U	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	0.489 U	0.5 U
Aroclor 1260		0.459 U	0.57 UJ	0.355 U	0.479 U	0.5 U	0.5 U	0.58 U	0.410 U	0.489 U	0.5 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-1-122	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267
	SDG ID	L0111395	4237	L0102625	L0105697	L0108729	L0111395	4237	L0102597	L0105697	L0108729
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/04/2001	12/17/1999	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	03/23/2001	06/21/2001	09/19/2001
	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	0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1232		0.459 U	0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1242/1016		3.27 *	0.44 J*	0.417 U	0.459 U	R	2.60 *	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1248		0.459 U	0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1254		0.459 U	0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.53 U	0.410 U	0.459 U	0.454 U
Aroclor 1260		0.459 U	0.53 U	0.417 U	0.459 U	0.5 U	0.459 U	0.53 U	0.410 U	0.459 U	0.454 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-1-267	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82	ECJ-2-82	ECJ-2-82
	SDG ID	L0111344	4345	L0102765	L0105640	L0108838	L0111491	4345	L0102727	L0105640	L0108838
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/03/2001	01/03/2000	03/29/2001	06/20/2001	09/21/2001	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001
	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	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 U
Aroclor 1232		0.489 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 U
Aroclor 1242/1016		0.489 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 U
Aroclor 1248		0.489 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 U
Aroclor 1254		0.489 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 U
Aroclor 1260		0.489 U	0.57 U	0.484 U	0.444 U	0.464 U	0.494 U	0.51 U	0.464 U	0.404 U	0.47 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-2-82	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152
	SDG ID	L0111491	4345	L0102727	L0105640	L0108838	L0111491	4249	L0102727	L0105640	L0108767
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/2001	01/03/2000	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/20/1999	03/28/2001	06/20/2001	09/20/2001
	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	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 U
Aroclor 1232		0.479 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 U
Aroclor 1242/1016		0.479 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 U
Aroclor 1248		0.479 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 U
Aroclor 1254		0.479 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 U
Aroclor 1260		0.479 U	0.52 U	0.488 U	0.412 U	0.454 U	0.5 U	0.58 U	0.474 U	0.4 U	0.494 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-2-152	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-91
	SDG ID	L0111491	4249	L0102727	L0108767	L0111491	L0102960	L0105697	L0108729	L0111344	L0102960
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	12/05/2001	12/19/1999	03/28/2001	09/20/2001	12/05/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001
	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	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 U
Aroclor 1232		0.5 U	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 U
Aroclor 1242/1016		0.5 U	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 U
Aroclor 1248		0.5 U	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 U
Aroclor 1254		0.5 U	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 U
Aroclor 1260		0.5 U	0.53 U	0.459 U	0.5 U	0.479 U	0.469 U	0.454 U	0.476 U	0.459 U	0.500 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-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-4-62
	SDG ID	L0105697	L0108729	L0111344	L0102960	L0105640	L0108729	L0111344	L0108729	L0111344	4357
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	09/18/2001	12/03/2001	01/05/2000
	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		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 U	0.5 U	0.52 U
Aroclor 1232		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 U	0.5 U	0.52 U
Aroclor 1242/1016		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 U	0.5 U	0.52 U
Aroclor 1248		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 U	0.5 U	0.52 U
Aroclor 1254		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 U	0.5 U	0.52 U
Aroclor 1260		0.469 U	0.46 U	0.459 U	0.484 U	0.44 U	0.474 U	0.5 U	0.5 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-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-132
	SDG ID	L0102730	L0107373	L0109029	L0111561	4357	L0102730	L0107373	L0109029	L0111561	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000
	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	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 U
Aroclor 1232		0.500 U	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 U
Aroclor 1242/1016		0.500 U	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 U
Aroclor 1248		0.500 U	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 U
Aroclor 1254		0.500 U	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 U
Aroclor 1260		0.500 U	2.5 U	0.464 U	0.462 U	0.51 U	0.484 U	2.5 U	0.476 U	0.5 U	0.53 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-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-227
	SDG ID	L0102674	L0107373	L0109029	L0111561	4345	L0102629	L0107373	L0109029	L0111561	4345
	Dilution Factor	1	1	1	1	1	1	1	1	1	1
	Sample Date	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000
	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		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 U
Aroclor 1232		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 U
Aroclor 1242/1016		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 U
Aroclor 1248		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 U
Aroclor 1254		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 U
Aroclor 1260		0.440 U	2.5 U	0.469 U	2.37 U	0.58 U	0.319 U	2.5 U	0.481 U	0.5 U	0.58 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-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245
	SDG ID	L0102629	L0107373	L0109029	L0111561	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1	1	1	1
	Sample Date	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	Units	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
Aroclor 1221		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U
Aroclor 1232		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U
Aroclor 1242/1016		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U
Aroclor 1248		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U
Aroclor 1254		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U
Aroclor 1260		0.440 U	2.5 U	0.481 U	0.484 U	0.52 U	0.447 U	2.5 U	0.466 U	0.476 U

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

* - Altered PCB Aroclor.

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O'BRIEN & GERE ENGINEERS, INC.

DRAFT
Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	BEI-1	BEI-1	BEI-1	BEI-2	BEI-2	BEI-2	BEI-3	BEI-3	BEI-3	OBG-1
	SDG ID	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477
	Dilution Factor		1	1		1	1		1	1	
	Sample Date	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001
	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	0.1 U	0.10 U	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	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	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	0.76	0.55	0.71	0.66	0.68	0.09	0.09	0.09	1.1
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	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		61	81	62	93	90	92	85	88	86	74
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	0.02 U	0.02 U
Copper		0.01 U	0.01 U	0.01 U	0.01 U	0.06	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		45	60	41	58	58	55	1.3	2.4	2.4	46
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	18	17	18	11	12	11	20
Manganese		10	11	9.7	7.8	7.6	8.6	5.3	6.8	8	7.9
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		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
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		6.8	7.9	6.6	8.1	7.7	6.4	4.2	4.2	3.8	9.1
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		0.01 UJ	0.007 U	0.007 U	0.01 UJ	0.007 U	0.007 U	0.01 UJ	0.007 U	0.007 U	0.01 UJ
Sodium		57	58	54	89	83	63	32	27	26	61
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		0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.14	0.05	0.05	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

	Sample ID	OBG-1	OBG-1	OBG-2	OBG-2	OBG-2	OBG-3	OBG-3	OBG-3	Collection Trench	Collection Trench
	SDG ID	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0108901	L0111561	L0102477	L0111561
	Dilution Factor	1	1		1	1		1	1		1
	Sample Date	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	09/24/2001	12/06/2001	03/21/2001	12/07/2001
	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		0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.10 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	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		1.5	1.3	1.8	1.9	1.8	0.57	0.67	0.67	0.84	0.71
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	83	110	110	110	110	120	120	84	75
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	0.03	0.01 U	0.01 U	0.01 U	0.01 U
Iron		54	52	73	76	70	53	62	60	83	90
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.016	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		25	22	25	26	25	21	22	23	15	14
Manganese		8.2	7.5	6.5	6.9	5.8	8.3	9.6	11	1.8	2
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		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	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.026	0.025 U	0.025 U	0.025 U
Potassium		10	8.8	12	12	11	7.4	8.1	6.4	9.9	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	0.007 U	0.01 UJ	0.007 U	0.007 U	0.01 UJ	0.007 U	0.007 U	0.01 UJ	0.007 U
Sodium		66	61	78	83	73	60	73	55	99	81
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	0.05 U	0.15	0.05	0.05 U	0.07	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-2	MW-2 (FF)	MW-2	MW-2	MW-2	MW-2	MW-4	MW-4 (FF)	MW-4	MW-4
	SDG ID	3903	3903	L0102408	L0106286	L0108729	L0111345	3930	3930	L0102674	L0106196
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	11/12/1999	11/12/1999	03/19/2001	06/14/2001	09/19/2001	12/03/2001	11/15/1999	11/15/1999	03/26/2001	06/18/2001
	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	0.17	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
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 J	0.02 J	0.03	0.11	0.09	0.09	0.1	0.1	0.14	0.13
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	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	50	84	81	75	—	—	48	46
Chromium		0.004 J	0.004 J	0.01 U	0.01 U	0.01 U	0.01 U	0.002 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
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Iron		—	—	22	64	58	54	—	—	7.9	7.3
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	23	22	21	—	—	9.6	9.1
Manganese		—	—	4.0	5.2	5	4.7	—	—	1.9	1.7
Mercury		0.0002 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	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U
Potassium		—	—	5.2	10	9.4	8.2	—	—	2.0 U	1.6
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.002 J	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	0.01 U	0.01 U	0.01 U	0.007 U
Sodium		—	—	52	86	80	72	—	—	33	31
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	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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-4	MW-4	MW-4A	MW-4A (FF)	MW-4A	MW-4A	MW-4A	MW-4A	MW-5	MW-5
	SDG ID	L0108767	L0111491	3930	3930	L0102627	L0106196	L0108767	L0111491	3930	L0102630
	Dilution Factor	1	1	1	1		1	1	1	1	
	Sample Date	09/20/2001	12/05/2001	11/15/1999	11/15/1999	03/24/2001	06/18/2001	09/20/2001	12/05/2001	11/16/1999	03/26/2001
	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		0.1 U	0.1 U	—	—	0.34	0.24	0.17	0.17	—	0.10 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	0.01 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
Barium		0.13	0.13	0.07 J	0.07 J	0.03	0.05	0.06	0.06	0.07 J	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		0.005 U	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.005 U
Calcium		46	43	—	—	18	24	34	31	—	120
Chromium		0.01 U	0.01 U	0.004 J	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	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 U	0.01 U	—	0.01 U
Iron		7.8	7.7	—	—	6.5	26	30	30	—	0.050 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		9	8.6	—	—	2.7	4	7.9	6.9	—	24
Manganese		1.8	1.8	—	—	0.67	1.7	3.2	3	—	0.08
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	0.0002 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		1.8	1.6	—	—	2.0 U	1.9	3	3.2	—	6.1
Selenium		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	0.005 U
Silver		0.007 U	0.007 UJ	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.01 U	0.01 U
Sodium		32	27	—	—	42	120	150	130	—	100
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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-5	MW-5	MW-5	MW-5A	MW-5A (FF)	MW-5A	MW-5A	MW-5A	MW-5A	MW-6
	SDG ID	L0106267	L0108767	L0111491	3930	3930	L0102630	L0106267	L0108767	L0111491	3970
	Dilution Factor	1	1	1	1	1		1	1	1	1
	Sample Date	06/15/2001	09/20/2001	12/05/2001	11/16/1999	11/16/1999	03/26/2001	06/15/2001	09/20/2001	12/05/2001	11/17/1999
	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		0.1 U	0.1 U	0.1 U	—	—	0.21	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	0.01 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	0.03 J
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	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Calcium		120	120	120	—	—	35	25	28	28	—
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	0.004 J
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		0.05 U	0.05 U	0.05	—	—	0.07	0.05 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		24	23	24	—	—	8.4	5.3	6	6.9	—
Manganese		0.04	0.07	0.08	—	—	0.01	0.01 U	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	0.0002 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		6.5	6.5	6.1	—	—	5.9	5.6	5.9	5.3	—
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	0.01 U	0.005 U
Silver		0.007 U	0.007 U	0.007 UJ	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ	0.01 U
Sodium		110	110	110	—	—	220	220	220	190	—
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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-6 (FF)	MW-6	MW-6	MW-6	MW-6	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A
	SDG ID	3970	L0102437	L0106196	L0108838	L0111491	3930	L0102437	L0106196	L0108838	L0111491
	Dilution Factor	1		1	1	1	1		1	1	1
	Sample Date	11/17/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001	11/16/1999	03/20/2001	06/19/2001	09/20/2001	12/05/2001
	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	0.13	0.1 U	0.1 U	—	0.10 U	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
Arsenic		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	0.01 U
Barium		0.03 J	0.03	0.03	0.04	0.04	0.06 J	0.06	0.08	0.09	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
Cadmium		0.01 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		—	86	96	100	100	—	76	87	87	83
Chromium		0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.003 J	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		—	18	6.7	8.3	9.4	—	11	12	12	11
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	—	24	26	25	25
Manganese		—	7.2	7.6	9.1	8.5	—	8.5	9.1	9.2	8.7
Mercury		0.0002 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
Potassium		—	5.0	5	5.8	5.4	—	8.7	10	12	11
Selenium		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	0.01 U
Silver		0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 UJ	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 UJ
Sodium		—	63	65	80	77	—	94	110	150	120
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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-8	MW-8 (FF)	MW-8	MW-8	MW-8	MW-8	MW-8A	MW-8A (FF)	MW-8A	MW-8A
	SDG ID	3930	3930	L0102437	L0107373	L0109029	L0111561	3930	3930	L0102437	L0107373
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	11/15/1999	11/15/1999	03/20/2001	08/09/2001	09/26/2001	12/06/2001	11/15/1999	11/15/1999	03/20/2001	08/09/2001
	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	0.1 U	0.1 U	—	—	7.0	10
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		0.02 J	0.01 J	0.01	0.01	0.01	0.01	0.03 J	0.03 J	0.06	0.08
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	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	110	120	120	110	—	—	92	100
Chromium		0.01	0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.006 J	0.004 J	0.13	0.06 J
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	0.01
Iron		—	—	11	7.6	2.7	7.1	—	—	12	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	0.005 U
Magnesium		—	—	45	47	48	46	—	—	50	54
Manganese		—	—	0.02	0.01 U	0.01 U	0.01 U	—	—	0.14	0.15
Mercury		0.0002 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	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	3.4	3.5	3	—	—	5.4	6.4
Selenium		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
Silver		0.0005 J	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 UJ	0.007 U
Sodium		—	—	44	46	46	41	—	—	49	50
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	0.02
Zinc		—	—	0.05 U	0.05 U	0.05 U	0.05 U	—	—	0.05 U	0.05

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	MW-8A	MW-8A	MW-10	MW-10	MW-10	MW-10	MW-10AR	MW-10AR	MW-10AR	MW-10AR
	SDG ID	L0109029	L0111561	L0102479	L0106267	L0109029	L0111561	L0102674	L0106196	L0108901	L0111561
	Dilution Factor	1	1		1	1	1		1	1	1
	Sample Date	09/26/2001	12/06/2001	03/21/2001	06/15/2001	09/27/2001	12/06/2001	03/27/2001	06/19/2001	09/24/2001	12/06/2001
	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		2.6	1	0.12	0.1 U	0.23	0.1 U	4.1	2.9	4.5	2.4
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		0.04	0.04	0.01	0.01	0.02	0.02	0.07	0.07	0.09	0.06
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	89	79	84	95	54	52	51	49
Chromium		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	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	0.02	0.01 U	0.01 U	0.01	0.01 U	0.01 U
Iron		2.9	1.8	13	22	46	7	15	18	19	23
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005	0.008	0.005 U
Magnesium		49	49	52	43	48	55	14	20	17	17
Manganese		0.04	0.03	0.07	0.02	0.1	0.14	2.2	1.8	2	2.9
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		4.8	4	3.7	3.5	3.7	3.5	3.5	4.1	4.7	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	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U	0.007 U	0.007 U
Sodium		51	45	27	24	27	28	22	19	21	19
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	0.04	0.01 U	0.01	0.01	0.01	0.01 U
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

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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-10B	MW-10B	MW-10B	MW-10B	MW-12AR	MW-12AR	MW-12AR	MW-12AR	MW-13	MW-13 (FF)
	SDG ID	L0102479	L0106196	L0109029	L0111561	3958	L0102630	L0106286	L0109029	3970	3970
	Dilution Factor		1	1	1	1		1	1	1	1
	Sample Date	03/21/2001	06/19/2001	09/27/2001	12/06/2001	11/18/1999	03/26/2001	06/14/2001	09/26/2001	11/17/1999	11/17/1999
	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		0.13	0.1 U	0.1 U	0.1 U	—	0.32	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	0.007	0.005 U	0.005 U
Barium		0.04	0.03	0.03	0.03	1	1.2	0.79	0.97	0.5	0.5
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		86	79	87	92	—	98	80	99	—	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.003 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	—	0.02 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	—	—
Iron		63	13	9.2	5.7	—	70	71	63	—	—
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.010	0.005 U	0.054	0.005 U	0.005 U
Magnesium		50	46	50	53	—	16	12	13	—	—
Manganese		0.19	0.08	0.09	0.1	—	1.0	1.8	1.4	—	—
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	—	0.025 U	0.025 U	0.025 U	—	—
Potassium		3.8	3.6	3.9	3.8	—	9.2	8.7	8.8	—	—
Selenium		0.005 U	0.005 U	0.005 U	0.005 U	0.003 J	0.005 U	0.005 U	0.005 U	0.004 J	0.005 U
Silver		0.01 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		34	31	34	43	—	90	120	100	—	—
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	0.01 U	—	—
Zinc		0.05 U	0.05 U	0.05 U	0.05 U	—	0.19	0.05 U	0.25	—	—

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

	Sample ID	MW-13	MW-13	MW-13	MW-13	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-14
	SDG ID	L0102597	L0106267	L0109029	L0111394	3970	L0102597	L0106196	L0108838	L0111394	3903
	Dilution Factor		1	1	1	1		1	1	1	1
	Sample Date	03/23/2001	06/15/2001	09/26/2001	12/04/2001	11/17/1999	03/23/2001	06/18/2001	09/21/2001	12/04/2001	11/12/1999
	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		0.19	0.16	0.13	0.14	—	0.21	0.16	0.12	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	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005
Barium		0.24	0.31	0.32	0.27	0.5	0.25	0.32	0.32	0.29	0.08 J
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	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Calcium		40	42	43	42	—	42	43	50	44	—
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	0.005 J
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		42	53	45	46	—	38	50	41	40	—
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		9.9	10	10	10	—	10	10	12	11	—
Manganese		7.7	6.8	10	7.1	—	9.4	7.2	13	10	—
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	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	—
Potassium		6.3	7.5	7.6	7.2	—	6.3	7.4	7.8	7.2	—
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		0.01 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	0.01 U
Sodium		62	68	69	70	—	62	67	70	68	—
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	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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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-15	MW-15	MW-15	MW-15	MW-15	MW-16
	SDG ID	L0102408	L0105431	L0108838	L0111345	3886	L0102408	L0105431	L0108729	L0111345	3886
	Dilution Factor		1	1	1	1		1	1	1	1
	Sample Date	03/19/2001	06/14/2001	09/21/2001	12/03/2001	11/10/1999	03/19/2001	06/13/2001	09/18/2001	12/03/2001	11/11/1999
	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	—	0.10 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		0.09	0.12	0.1	0.08	0.1	0.12	0.1	0.09	0.14	0.1
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	—
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	0.01 U
Calcium		82	85	85	77	—	60	72	60	61	—
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.003 J	0.01 U	0.01 U	0.01 U	0.01 U	0.002 J
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	—	52	47	39	49	—
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	0.001 J
Magnesium		20	21	19	17	—	10	10	9.3	10	—
Manganese		5.2	3.5	3.8	3.8	—	2.7	1.9	1.5	3.8	—
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	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	—
Potassium		12	12	12	11	—	9.5	13	11	10	—
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 UJ	0.01 U	0.007 U	0.007 U	0.01 U	0.01 UJ	0.01 U	0.007 U	0.007 U	0.01 U
Sodium		91	88	92	93	—	88	100	110	98	—
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.

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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-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-17	MW-22A
	SDG ID	L0102479	L0105431	L0108729	L0111345	3958	L0102674	L0106196	L0108838	L0111561	3970
	Dilution Factor		1	1	1	1		1	1	1	1
	Sample Date	03/21/2001	06/13/2001	09/18/2001	12/03/2001	11/18/1999	03/27/2001	06/18/2001	09/21/2001	12/05/2001	11/17/1999
	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		0.17	0.1 U	0.1 U	0.11	—	0.29	0.1 U	0.33	31	—
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	0.018	0.012
Barium		0.15	0.1	0.08	0.08	0.05 J	0.07	0.04	0.05	0.3	0.6
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	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Calcium		59	39	38	35	—	58	44	46	52	—
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	0.04	0.006 J
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	0.11	—
Iron		0.67	1.9	2.8	8.1	—	0.80	0.3	4.3	110	—
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	0.503	0.001 J
Magnesium		14	8.4	6.8	6.2	—	7.9	6.8	7.7	11	—
Manganese		2.1	1.5	1.3	1.4	—	0.40	1.5	2.4	3	—
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	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.025 U	0.025 U	0.025 U	0.025 U	—	0.025 U	0.025 U	0.025 U	0.025 U	—
Potassium		7.2	6.6	6.5	6.2	—	5.1	5.1	5.9	8.4	—
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	0.003 J
Silver		0.01 U	0.01 U	0.007 U	0.007 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U
Sodium		180	170	160	160	—	33	29	30	24	—
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	0.14	—
Zinc		0.11	0.07	0.06	0.08	—	0.05 U	0.05 U	0.05 U	0.43	—

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

	Sample ID	MW-22A	MW-22A	MW-22A	MW-24	MW-24 (FF)	MW-24	MW-24	MW-24	MW-24	GCA-1
	SDG ID	L0102674	L0106196	L0109029	3886	3886	L0102408	L0106286	L0108729	L0111345	3958
	Dilution Factor		1	1	1	1		1	1	1	1
	Sample Date	03/27/2001	06/18/2001	09/27/2001	11/11/1999	11/11/1999	03/19/2001	06/13/2001	09/19/2001	12/03/2001	11/18/1999
	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	0.3	0.11	—	—	0.10 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		0.043	0.023	0.081	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium		0.11	0.09	0.26	0.4	0.3	0.46	0.3	0.4	0.43	2.1
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	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Calcium		440	120	230	—	—	58	49	59	59	—
Chromium		0.01 U	0.01 U	0.01 U	0.004 J	0.004 J	0.01 U	0.01 U	0.01 U	0.01 U	0.006 J
Cobalt		0.09	0.15	0.03	—	—	0.02 U	0.02 U	0.02 U	0.02 U	—
Copper		0.02	0.03	0.01	—	—	0.01 U	0.01 U	0.01 U	0.01 U	—
Iron		360	110	250	—	—	42	37	45	53	—
Lead		0.023	0.104	0.026	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		120	21	43	—	—	16	13	16	17	—
Manganese		15	4.3	5.9	—	—	5.4	3.3	5.5	4.5	—
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	0.0002 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		0.294	0.961	0.129	—	—	0.025 U	0.025 U	0.025 U	0.025 U	—
Potassium		57	11	29	—	—	8.3	7.5	8.2	8	—
Selenium		0.009	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.003 J
Silver		0.01 U	0.007 U	0.007 U	0.01 U	0.01 U	0.01 UJ	0.007 U	0.007 U	0.007 U	0.01 U
Sodium		150	100	110	—	—	75	96	82	79	—
Thallium		0.005 U	0.005 U	0.005 U	—	—	0.005 U	0.005 U	0.005 U	0.005 U	—
Vanadium		0.03	0.07	0.03	—	—	0.01 U	0.01 U	0.01 U	0.01 U	—
Zinc		0.57	1.9	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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	GCA-1	GCA-1	GCA-1	GCA-1	ECJ-1-37	ECJ-1-37 (FF)	ECJ-1-37	ECJ-1-37	ECJ-1-37	ECJ-1-37
	SDG ID	L0102627	L0106286	L0109029	L0111394	4237	4237	L0102627	L0105697	L0108767	L0111395
	Dilution Factor		1	1	1	1	1		1	1	1
	Sample Date	03/23/2001	06/14/2001	09/26/2001	12/04/2001	12/19/1999	12/19/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001
	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		0.77	0.25	0.15	0.1 U	—	—	0.10	0.1	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		0.94	0.81	0.98	1	0.8	0.6	0.39	0.44	0.42	0.38
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		80	80	84	77	—	—	52	51	53	54
Chromium		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	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		60	68	68	56	—	—	47	59	58	54
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	13	14	13	—	—	14	13	14	14
Manganese		3.2	2.2	2.2	2.3	—	—	7.5	7.4	8	8
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		8.8	9	9.6	9.2	—	—	6.8	7.9	7.6	7.2
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		0.01 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		84	100	97	94	—	—	62	66	64	67
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		0.07	0.27	0.19	0.1	—	—	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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

Compound	Sample ID	ECJ-1-62	ECJ-1-62 (FF)	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-62	ECJ-1-72	ECJ-1-72 (FF)	ECJ-1-72	ECJ-1-72
	SDG ID	4237	4237	L0102627	L0105697	L0108729	L0111395	4237	4237	L0102625	L0105697
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	12/18/1999	12/18/1999	03/24/2001	06/22/2001	09/19/2001	12/04/2001	12/18/1999	12/18/1999	03/24/2001	06/22/2001
	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	—	—	0.11	0.13
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	0.2	0.30	0.3	0.35	0.34	0.04 J	0.04 J	0.27	0.29
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	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	63	62	68	67	—	—	62	64
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		—	—	28	28	37	38	—	—	31	28
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
Manganese		—	—	5.9	5.6	7.2	6.6	—	—	5.7	6.4
Mercury		0.0002 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	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	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	—	—	4.9	4.9
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		0.01 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	0.007 U
Sodium		—	—	58	58	64	61	—	—	53	50
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

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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-1-122 (FF)	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-122	ECJ-1-148	ECJ-1-148 (FF)
	SDG ID	L0108729	L0111395	4237	4237	L0102625	L0105697	L0108729	L0111395	4237	4237
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	09/19/2001	12/04/2001	12/18/1999	12/18/1999	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	12/17/1999
	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		0.11	0.13	—	—	0.12	0.2	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		0.29	0.29	0.06 J	0.06 J	1.2	1.5	1.2	0.74	0.1 U	0.04 J
Beryllium		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	0.01 U	0.01 U
Calcium		67	67	—	—	130	150	120	88	—	—
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		29	29	—	—	72	89	67	40	—	—
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	—	—	30	34	27	19	—	—
Manganese		6.8	6.9	—	—	4.7	4.9	4.7	6.9	—	—
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	0.0002 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		4.7	4.2	—	—	10	12	11	6.6	—	—
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	0.007 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		50	47	—	—	64	73	71	53	—	—
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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-148	ECJ-1-267	ECJ-1-267 (FF)	ECJ-1-267	ECJ-1-267	ECJ-1-267	ECJ-1-267
	SDG ID	L0102625	L0105697	L0108729	L0111395	4237	4237	L0102597	L0105697	L0108729	L0111344
	Dilution Factor		1	1	1	1	1		1	1	1
	Sample Date	03/24/2001	06/21/2001	09/19/2001	12/04/2001	12/17/1999	12/17/1999	03/23/2001	06/21/2001	09/19/2001	12/03/2001
	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		0.11	0.1 U	0.1 U	0.1 U	---	---	0.10 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		0.08	0.12	0.87	0.57	0.05 J	0.05 J	0.03	0.03	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	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		75	84	110	82	---	---	23	22	24	23
Chromium		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	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		3.1	4	48	31	---	---	0.09	0.1	0.11	0.28
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	---	---	3.3	3.2	3.4	3.4
Manganese		1.3	1.5	4.2	5.3	---	---	0.21	0.2	0.22	0.22
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		2.0 U	2	8.1	5.3	---	---	2.0 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		0.01 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		25	28	58	46	---	---	14	14	14	14
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	0.08	---	---	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.

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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-2-47	ECJ-2-47 (FF)	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-47	ECJ-2-82	ECJ-2-82 (FF)	ECJ-2-82	ECJ-2-82
	SDG ID	4345	4345	L0102765	L0105640	L0108838	L0111491	4345	4345	L0102727	L0105640
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	01/03/2000	01/03/2000	03/29/2001	06/20/2001	09/21/2001	12/05/2001	01/03/2000	01/03/2000	03/28/2001	06/20/2001
	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		—	—	0.12	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
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		0.04 J	0.04 J	0.04	0.04	0.05	0.03	0.1 U	0.1 U	0.01	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	0.01 U	0.01 U	0.005 U	0.005 U
Calcium		—	—	88	100	110	97	—	—	80	83
Chromium		0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 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
Copper		—	—	0.01 U	0.01 U	0.01 U	0.01 U	—	—	0.01 U	0.01 U
Iron		—	—	5.1	5.5	6.8	3.4	—	—	1.1	1.1
Lead		0.002 J	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		—	—	29	31	34	32	—	—	13	13
Manganese		—	—	5.0	5.4	7	5.5	—	—	0.33	0.34
Mercury		0.0002 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	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U
Potassium		—	—	6.9	7.3	6.3	4.5	—	—	2.2	2.5
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	0.01 U	0.01 U	0.01 U	0.007 U
Sodium		—	—	35	47	63	31	—	—	43	43
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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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-2-82	ECJ-2-117	ECJ-2-117 (FF)	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-117	ECJ-2-152	ECJ-2-152 (FF)
	SDG ID	L0108838	L0111491	4345	4345	L0102727	L0105640	L0108838	L0111491	4249	4249
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	09/20/2001	12/05/2001	01/03/2000	01/03/2000	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/20/1999	12/20/1999
	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	—	—	0.10 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	0.01 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
Barium		0.01	0.01	0.1 U	0.1 U	0.01	0.01	0.02	0.02	0.06 J	0.06 J
Beryllium		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	0.01 U	0.01 U
Calcium		84	84	—	—	76	94	85	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 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	1.2	—	—	1.8	1.9	1.8	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		13	13	—	—	13	13	10	12	—	—
Manganese		0.35	0.35	—	—	0.33	0.59	0.66	0.61	—	—
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	0.0002 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		2.3	2.2	—	—	2.0 U	2.4	2	2	—	—
Selenium		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	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 UJ	0.01 U	0.01 U
Sodium		40	40	—	—	48	48	40	44	—	—
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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Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-152	ECJ-2-187	ECJ-2-187 (FF)	ECJ-2-187	ECJ-2-187	ECJ-2-187	ECJ-2-187
	SDG ID	L0102727	L0105640	L0108767	L0111491	4249	4249	L0102727	L0106196	L0108767	L0111491
	Dilution Factor		1	1	1	1	1		1	1	1
	Sample Date	03/28/2001	06/20/2001	09/20/2001	12/05/2001	12/19/1999	12/19/1999	03/28/2001	06/19/2001	09/20/2001	12/05/2001
	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		0.18	0.15	0.28	0.44	—	—	0.10 U	0.27	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	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U
Barium		0.24	0.24	0.26	0.24	0.1	0.1	0.15	0.02	0.09	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	0.005 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		170	170	150	130	—	—	69	39	48	83
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	—	—	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	0.07	0.01 U	0.01 U
Iron		7.0	7	6.9	6.4	—	—	1.4	2.3	0.43	3.7
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.006	0.005 U	0.005 U
Magnesium		16	16	12	11	—	—	11	4.6	6.4	14
Manganese		2.6	2.5	2.5	2.2	—	—	1.2	0.53	0.85	1.7
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	0.025 U	0.025 U
Potassium		5.5	5.7	4.4	3.9	—	—	2.0 U	3	1.2	2.9
Selenium		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	0.01 U
Silver		0.01 U	0.007 U	0.007 U	0.007 UJ	0.01 U	0.01 U	0.01 U	0.007 U	0.007 U	0.007 UJ
Sodium		56	56	49	46	—	—	56	24	45	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	7.7	0.05 U	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

	Sample ID	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-51	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-91	ECJ-3-126	ECJ-3-126
	SDG ID	L0102960	L0105697	L0108729	L0111344	L0102960	L0105697	L0108729	L0111344	L0102960	L0105640
	Dilution Factor		1	1	1		1	1	1		1
	Sample Date	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001	09/18/2001	12/03/2001	04/03/2001	06/21/2001
	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	0.1 U	0.1 U	0.10 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		0.09	0.09	0.07	0.06	0.04	0.03	0.02	0.02	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		44	37	37	43	42	36	35	34	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 U	0.01 U	0.01 U
Iron		8.5	8.3	20	17	0.07	0.08	0.09	0.13	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		14	11	9.8	12	19	16	16	17	19	17
Manganese		0.64	0.9	0.95	0.89	0.01	0.02	0.01	0.01 U	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		10	7.3	6.4	5.9	8.4	6.1	5.5	5	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		0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.007 U
Sodium		150	150	140	130	120	120	120	110	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	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	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

	Sample ID	ECJ-3-126	ECJ-3-126	ECJ-3-146	ECJ-3-146	ECJ-4-62	ECJ-4-62 (FF)	ECJ-4-62	ECJ-4-62	ECJ-4-62	ECJ-4-62
	SDG ID	L0108729	L0111344	L0108729	L0111344	4357	4357	L0102730	L0107373	L0109029	L0111561
	Dilution Factor	1	1	1	1	1	1		1	1	1
	Sample Date	09/18/2001	12/03/2001	09/18/2001	12/03/2001	01/05/2000	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001
	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		0.1 U	0.1 U	0.1 U	0.1 U	—	—	0.10 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		0.03	0.02	0.09	0.07	0.1 U	0.1 U	0.010 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		35	34	51	36	—	—	130	120	120	120
Chromium		0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.01 U	0.02	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		0.2	0.13	4.1	0.95	—	—	0.09	0.07	0.05 U	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		16	16	14	9.8	—	—	46	46	47	46
Manganese		0.02	0.02	4.5	2.7	—	—	0.010 U	0.01 U	0.01 U	0.01 U
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		5.4	5	1.7	1.4	—	—	3.5	3.2	3.4	3.1
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	0.01 U	0.007 U	0.007 U	0.007 U
Sodium		110	110	33	19	—	—	50	47	48	44
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	0.08	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.

DRAFT
Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-4-87	ECJ-4-87 (FF)	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-87	ECJ-4-132	ECJ-4-132 (FF)	ECJ-4-132	ECJ-4-132
	SDG ID	4357	4357	L0102730	L0107373	L0109029	L0111561	4345	4345	L0102674	L0107373
	Dilution Factor	1	1		1	1	1	1	1		1
	Sample Date	01/05/2000	01/05/2000	03/27/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	01/04/2000	03/26/2001	08/09/2001
	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	0.1 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
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	0.1 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
Cadmium		0.01 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	0.005 U
Calcium		—	—	130	120	120	120	—	—	140	140
Chromium		0.02 U	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02	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		—	—	0.05	0.13	0.05 U	0.1 U	—	—	0.23	0.28
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		—	—	46	43	45	44	—	—	41	40
Manganese		—	—	0.03	0.01	0.01	0.01	—	—	0.16	0.17
Mercury		0.0002 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	0.0005 U
Molybdenum		—	—	—	—	—	—	—	—	—	—
Nickel		—	—	0.025 U	0.025 U	0.025 U	0.025 U	—	—	0.025 U	0.025 U
Potassium		—	—	3.6	3.2	3.7	3	—	—	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		0.01 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	0.007 U
Sodium		—	—	51	46	50	44	—	—	40	41
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.

DRAFT
Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-4-132	ECJ-4-132	ECJ-4-162	ECJ-4-162 (FF)	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-162	ECJ-4-227	ECJ-4-227 (FF)
	SDG ID	L0109029	L0111561	4345	4345	L0102629	L0107373	L0109029	L0111561	4345	4345
	Dilution Factor	1	1	1	1		1	1	1	1	1
	Sample Date	09/26/2001	12/06/2001	01/04/2000	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	01/04/2000
	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		0.1 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	—	—
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	0.1 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.1 U
Beryllium		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	0.01 U	0.01 U
Calcium		140	130	—	—	55	55	58	55	—	—
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		0.08	0.16	—	—	0.36	0.48	0.08	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		41	40	—	—	11	11	12	11	—	—
Manganese		0.17	0.17	—	—	0.12	0.1	0.11	0.1	—	—
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	0.0002 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		3.6	3	—	—	2 U	1.8	2.1	1.9	—	—
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	0.01 U	0.01 U	0.007 U	0.007 U	0.007 U	0.01 U	0.01 U
Sodium		43	37	—	—	22	33	24	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.

DRAFT
Table 5
Sullivan's Ledge Superfund Site
Ground Water Samples
Method 6010B/7470A Inorganic Data
Historical Data Summary

	Sample ID	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-227	ECJ-4-245	ECJ-4-245 (FF)	ECJ-4-245	ECJ-4-245	ECJ-4-245	ECJ-4-245
	SDG ID	L0102629	L0107373	L0109029	L0111561	4345	4345	L0102629	L0107373	L0109029	L0111561
	Dilution Factor		1	1	1	1	1		1	1	1
	Sample Date	03/26/2001	08/09/2001	09/26/2001	12/06/2001	01/04/2000	01/04/2000	03/26/2001	08/09/2001	09/26/2001	12/06/2001
	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		0.1	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	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		46	48	46	45	—	—	35	40	41	39
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	0.03	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		0.14	0.31	0.12	0.1 U	—	—	0.08	0.14	0.24	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		4.1	4.2	4.1	4	—	—	4	4.3	4.2	3.9
Manganese		0.11	0.12	0.11	0.11	—	—	0.07	0.08	0.09	0.09
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 U	1 U	1 U	1 U	—	—	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		0.01 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		24	24	23	21	—	—	23	23	23	20
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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Appendix G

Recommendations for 2002 Ground Water Sampling Program

O'BRIEN & GERE
ENGINEERS, INC.

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. Bertaut, R. Connors, E. Vaughan, D. Dwight, J. O'Loughlin, G. Swenson

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.

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	
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	SW/3010/6010B/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.

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	SW/3010/6010B/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.

TABLE 3
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER ANALYSIS
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
MW - 16	B	Overburden	5.1	ND	ND	ND	0.62				X	0.90	ND	ND	ND	ND				X	ND	ND
ECJ-3 (51)	B	Shallow Bedrock	NS	15.0	ND	12	0.64				X	NS	ND	ND	ND	ND				X	NS	ND
ECJ-3 (91)	B	Shallow Bedrock	NS	ND	1.0	ND	1.1				X	NS	ND	ND	ND	ND				X	NS	ND
ECJ-3 (126)	B	Intermediate Bedrock	NS	ND	0.96	0.86	1.2				X	NS	ND	ND	ND	ND				X	NS	ND
ECJ-3 (146)	B	Intermediate Bedrock	NS	NS	NS	ND	ND				X	NS	NS	NS	ND	ND				X	NS	NS
MW - 15	B	Overburden	14.5	126.9	125.9	48.8	192.6	X	X	X	X	1.50	3.70	ND	R	ND	X	X	X	X	8.8	6.0
MW - 14	B	Overburden	639.5	965.0	974.0	365.5	117.0	X	X	X	X	0.83	ND	ND	ND	ND	X	X	X	X	91.6	63.1
MW - 24	B	Shallow Bedrock	3843.3	6530.0	3480.0	6370.0	6040.0	X	X	X	X	47.00	36.70	ND	R	ND	X	X	X	X	66.9	39.8
MW - 2	B	Shallow Bedrock	3440.0	2181.0	905.0	1139.0	963.0	X	X	X	X	17.00	8.61	5.9	R	ND	X	X	X	X	134.6	47.5
MW - 13A	A	Overburden	28.8	10.2	4.1	14.3	32.0				X	0.31	ND	NS	ND	ND				X	ND	ND
MW-12AR	A	Overburden	NS	205.5	217.3	132.7	NS				X	NS	ND	ND	2.26					X	NS	47.9
MW - 22A	A	Overburden	1782.0	539.2	96.1	408.6	NS				X	25.20	ND	NS	61.2					X	2231.3	229.7
MW - 13	A	Shallow Bedrock	991.6	7.1	2.1	13.1	26				X	0.26	ND	NS	ND	ND				X	ND	ND
MW - 17	A	Shallow Bedrock	36.4	1.2	20.2	18.4	28.8				X	ND	ND	NS	ND	ND				X	15.0	ND
GCA - 1	A	Shallow Bedrock	13946.0	172.9	229.6	321.9	284.5	X	X	X	X	14.00	ND	ND	5.83	2.53				X	247.4	26.6
ECJ 1 (37)	A	Shallow Bedrock	2297.6	109.0	64.0	83.0	18.0	X	X	X	X	1.10	2.85	2.08 J	1.12	1.82				X	36.1	ND
ECJ 1 (62)	A	Shallow Bedrock	72950.1	9410.0	5383.0	3180.0	1860.0	X	X	X	X	0.52	0.75	ND	R	ND				X	118.0	ND
ECJ 1 (72)	A	Shallow Bedrock	145337.1	26780.0	37050.0	38330.0	41770.0	X	X	X	X	ND	ND	ND	ND	ND				X	152.4	21.0
ECJ 1 (122)	A	Intermediate Bedrock	71911.5	8532.0	8220.0	6670.0	13263.0	X	X	X	X	ND	ND	1.56	R	ND				X	100.5	188.9
ECJ 1 (148)	A	Intermediate Bedrock	36477.2	74600.0	104600.0	16270.0	18520.0	X	X	X	X	0.44	ND	ND	R	ND				X	109.4	182.6
ECJ 1 (267)	A	Deep Bedrock	160.5	52.1	39.8	37.5	52.5				X	ND	ND	ND	ND	ND				X	5.9	ND
MW - 6A	C	Overburden	1835.1	314.5	158.0	173.0	331.5	X	X	X	X	0.12	ND	NS	ND	ND	X	X	X	X	4.6	ND
MW - 4A	C	Overburden	1.8	ND	ND	82.6	3.1				X	ND	ND	NS	ND	ND				X	ND	ND
MW - 5A	C	Overburden	ND	ND	2.0	2.2	ND				X	ND	ND	NS	ND	ND				X	ND	ND
MW - 6	C	Shallow Bedrock	4837.2	2950.0	3998.0	2137.0	4533.0	X	X	X	X	ND	ND	NS	ND	ND				X	5.6	ND
MW - 4	C	Shallow Bedrock	1271.9	1034.2	1113.2	1149.0	753.9				X	ND	ND	NS	ND	ND				X	ND	ND
MW - 5	C	Shallow Bedrock	ND	6.8	3.6	3.9	3.6				X	ND	ND	NS	ND	ND				X	ND	ND
ECJ 2 (47)	C	Shallow Bedrock	2533.0	1920.0	2468.0	1511.0	2171.0	X	X	X	X	ND	ND	ND	ND	ND				X	3.2	ND
ECJ 2 (82)	C	Intermediate Bedrock	15942.0	16080.0	23990.0	15740.0	18810.0	X	X	X	X	ND	ND	NS	ND	ND				X	4.4	ND
ECJ 2 (117)	C	Intermediate Bedrock	55380.0	29730.0	51600.0	37600.0	48800.0	X	X	X	X	ND	ND	ND	ND	ND				X	8.8	ND
ECJ 2 (152)	C	Intermediate Bedrock	400.4	4594.0	6180.0	11330.0	19570.0	X	X	X	X	ND	ND	ND	ND	ND				X	ND	9.0
ECJ 2 (187)	C	Deep Bedrock	3605.8	4440.0	76.4	43460.0	5200.0	X	X	X	X	ND	ND	NS	ND	ND				X	2.6	9.8
MW-10A	D	Overburden	NS	8.6	17.9	1.5	ND				X	NS	ND	NS	ND	ND				X	NS	ND
MW - 8A	D	Overburden	ND	ND	ND	ND	ND				X	ND	ND	ND	ND	ND				X	ND	ND
MW-10	D	Shallow Bedrock	NS	12.9	27.6	22.9	5.4				X	NS	ND	NS	ND	ND				X	NS	ND
MW-10B	D	Shallow Bedrock	NS	13.6	33.8	15.0	4.7				X	NS	ND	NS	ND	ND				X	NS	ND
MW - 8	D	Shallow Bedrock	ND	ND	ND	ND	ND				X	ND	ND	ND	ND	ND				X	ND	ND
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND	13.0	ND	ND				X	ND	ND	ND	ND	ND				X	ND	ND
ECJ 4 (87)	D	Intermediate Bedrock	0.6	0.7	ND	ND	ND				X	ND	ND	ND	ND	ND				X	ND	ND
ECJ 4 (132)	D	Intermediate Bedrock	1.5	ND	ND	ND	ND				X	ND	ND	ND	ND	ND				X	ND	ND
ECJ 4 (162)	D	Intermediate Bedrock	16.7	11.8	5.9	7.1	16.0				X	ND	ND	ND	ND	ND				X	3.5	ND
ECJ 4 (227)	D	Deep Bedrock	7.0	4.3	5.7	4.3	4.9				X	ND	ND	ND	ND	ND				X	ND	ND
ECJ 4 (245)	D	Deep Bedrock	15.4	5.1	3.7	3.3	8.4				X	ND	ND	ND	ND	ND				X	ND	ND

Notes:

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

TABLE 4
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER ANALYSIS
ORGANIC COMPOUND COMPARATIVE EVALUATION

Monitoring Well	Location		Winter 1999 / 2000 Baseline Sampling Event					Spring 2001 Quarterly Sampling Event					Summer 2001 Quarterly Sampling Event			Fall 2001 Quarterly Sampling Event			Winter 2001 Quarterly Sampling Event		
	Set[2]	Group	VOCs ug/l	PCBs ug/l	PCBs / VOCs	SVOCs ug/l	SVOCs / VOCs	VOCS ug/l	PCBs ug/l	PCBs / VOCs	SVOCs ug/l	SVOCs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs
MW - 2	B	Shallow Bedrock	3440.0	17.00	0.49%	134.6	3.91%	2181.0	8.61	0.39%	47.5	2.18%	905.0	5.9	0.65%	1139.0	R		963.0	ND	
MW - 4	C	Shallow Bedrock	1271.9	ND		ND		1034.2	ND		ND		1113.2	NS		1149.0	ND		753.9	ND	
MW - 4A	C	Overburden	1.8	ND		ND		ND	ND		ND		ND	NS		82.6	ND		3.1	ND	
MW - 5	C	Shallow Bedrock	ND	ND		ND		6.8	ND		ND		3.6	NS		3.9	ND		3.6	ND	
MW - 5A	C	Overburden	ND	ND		ND		ND	ND		ND		2.0	NS		2.2	ND		ND	ND	
MW - 6	C	Shallow Bedrock	4837.2	ND		5.6	0.12%	2950.0	ND		ND		3998.0	NS		2137.0	ND		4533.0	ND	
MW - 6A	C	Overburden	1835.1	0.12	0.01%	4.6	0.25%	314.5	ND		ND		158.0	NS		173.0	ND		331.5	ND	
MW - 8	D	Shallow Bedrock	ND	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
MW - 8A	D	Overburden	ND	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
MW-10	D	Shallow Bedrock	NS	NS		NS		12.9	ND		ND		27.6	NS		22.9	ND		5.4	ND	
MW-10A	D	Overburden	NS	NS		NS		8.6	ND		ND		17.9	NS		1.5	ND		ND	ND	
MW-10B	D	Shallow Bedrock	NS	NS		NS		13.6	ND		ND		33.8	NS		15.0	ND		4.7	ND	
MW-12AR	A	Overburden	NS	NS		NS		205.5	ND		47.9	23.31%	217.3	ND		132.7	2.26	1.70%	NS		
MW - 13	A	Shallow Bedrock	991.6	0.26	0.03%	ND		7.1	ND		ND		2.1	NS		13.1	ND		26	ND	
MW - 13A	A	Overburden	28.8	0.31	1.07%	ND		10.2	ND		ND		4.1	NS		14.3	ND		32.0	ND	
MW - 14	B	Overburden	639.5	0.83	0.13%	91.6	14.32%	965.0	ND		63.1	6.54%	974.0	ND		365.5	ND		117.0	ND	
MW - 15	B	Overburden	14.5	1.50	10.36%	8.8	60.77%	126.9	3.70	2.92%	6.0	4.73%	125.9	ND		48.8	R		192.6	ND	
MW - 16	B	Overburden	5.1	0.90	17.54%	ND		ND	ND		ND		ND	ND		ND	ND		0.62	ND	
MW - 17	A	Shallow Bedrock	36.4	ND		15.0		1.2	ND		ND		20.2	NS		18.4	ND		28.8	ND	
MW - 24	B	Shallow Bedrock	3843.3	47.00	1.22%	66.9	1.74%	6530.0	36.70	0.56%	39.8	0.61%	3480.0	ND		6370.0	R		6040.0	ND	
MW - 22A	A	Overburden	1782.0	25.20	1.41%	2231.3	125.21%	539.2	ND		229.7	42.60%	96.1	NS		408.6	61.2	14.98%	NS		
GCA - 1	A	Shallow Bedrock	13946.0	14.00	0.10%	247.4	1.77%	172.9	ND		26.6	15.38%	229.6	ND		321.9	5.83	1.81%	284.5	2.53	0.89%
ECJ 1 (37)	A	Shallow Bedrock	2297.6	1.10	0.05%	36.1	1.57%	109.0	2.85	2.61%	ND		64.0	2.08	3.25%	83.0	1.12		18.0	1.82	10.11%
ECJ 1 (62)	A	Shallow Bedrock	72950.1	0.52	0.00%	118.0	0.16%	9410.0	0.75	0.01%	ND		5383.0	ND		3180.0	R		1860.0	ND	
ECJ 1 (72)	A	Shallow Bedrock	145337.1	ND		152.4	0.10%	26780.0	ND		21.0	0.08%	37050.0	ND		38330.0	ND		41770.0	ND	
ECJ 1 (122)	A	Intermed Bedrock	71911.5	ND		100.5	0.14%	8532.0	ND		188.9	2.21%	8220.0	1.56	0.02%	6670.0	R		13263.0	ND	
ECJ 1 (148)	A	Intermed Bedrock	36477.2	0.44	0.00%	109.4	0.30%	74600.0	ND		182.6	0.24%	104600.0	ND		16270.0	R		18520.0	ND	
ECJ 1 (267)	A	Deep Bedrock	160.5	ND		5.9	3.68%	52.1	ND		ND		39.8	ND		37.5	ND		52.5	ND	
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND		ND		ND	ND		ND		13.0	ND		ND	ND		ND	ND	
ECJ 4 (87)	D	Intermed Bedrock	0.6	ND		ND		0.7	ND		ND		ND	ND		ND	ND		ND	ND	
ECJ 4 (132)	D	Intermed Bedrock	1.5	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
ECJ 4 (162)	D	Intermed Bedrock	16.7	ND		3.5	21.00%	11.8	ND		ND		5.9	ND		7.1	ND		16.0	ND	
ECJ 4 (227)	D	Deep Bedrock	7.0	ND		ND		4.3	ND		ND		5.7	ND		4.3	ND		4.9	ND	
ECJ 4 (245)	D	Deep Bedrock	15.4	ND		ND		5.1	ND		ND		3.7	ND		3.3	ND		8.4	ND	
ECJ 2 (47)	C	Shallow Bedrock	2533.0	ND		3.2	0.13%	1920.0	ND		ND		2468.0	ND		1511.0	ND		2171.0	ND	
ECJ 2 (82)	C	Intermed Bedrock	15942.0	ND		4.4	0.03%	16080.0	ND		ND		23990.0	NS		15740.0	ND		18810.0	ND	
ECJ 2 (117)	C	Intermed Bedrock	55380.0	ND		8.8	0.02%	29730.0	ND		ND		51600.0	ND		37600.0	ND		48800.0	ND	
ECJ 2 (152)	C	Intermed Bedrock	400.4	ND		ND		4594.0	ND		9.0	0.20%	6180.0	ND		11330.0	ND		19570.0	ND	
ECJ 2 (187)	C	Deep Bedrock	3605.8	ND		2.6	0.07%	4440.0	ND		9.8	0.22%	76.4	NS		43460.0	ND		5200.0	ND	
ECJ-3 (51)	B	Shallow Bedrock	NS	NS		NS		15.0	ND		ND		ND	ND		12	ND		0.64	ND	
ECJ-3 (91)	B	Shallow Bedrock	NS	NS		NS		ND	ND		ND		1.0	ND		ND	ND		1.1	ND	
ECJ-3 (126)	B	Intermed Bedrock	NS	NS		NS		ND	ND		ND		0.96	ND		0.86	ND		1.2	ND	
ECJ-3 (146)	B	Intermed Bedrock	NS	NS		NS		NS	NS		NS		NS	NS		ND	ND		ND	ND	

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
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2/5/02

TABLE 5
SULLIVAN'S LEDGE SUPERFUND SITE
SUMMARY OF INFLUENT LABORATORY ANALYTICAL RESULTS[1]

	Discharge Limits	GROUND WATER COLLECTION TRENCH						RECOVERY WELL OBG-1						RECOVERY WELL OBG-2					
		Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date		12/15/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/26/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	5	2.4	3.2	4.5	LT 0.50	(2)	LT 0.46	3.7	4.9	10	29.6	26.2	512	5.9	7.6	5.3	1.01	6.04	8.4
Benzene (ug/l)	(3)	110	110	140	90	(2)	89	290	360	LT 500	270	300	330	LT 500	LT 500	400	390	570	420
Toluene (ug/l)	(3)	70	190	53	LT 1.5	(2)	4.7	850	820	970	770	1500	1600	LT 500	LT 500	120	140	190	LT 75
E-Benzene (ug/l)	(3)	12	12	21	3.8	(2)	3.7	750	610	920	720	1200	1400	LT 500	LT 500	86	140	180	75
Xylene (ug/l)	(3)	16	16	23	12.1	(2)	11.6	LT 50	LT 50	LT 500	LT 100	LT 200	LT 250	LT 500	LT 500	LT 50	42	LT 50	LT 50
TCE (ug/l)	(3)	LT 0.5	LT 5.0	LT 5.0	1.4	(2)	4.1	4000	5400	7400	2100	8000	8600	670	540	350	82	420	LT 50
1,2 DCE (ug/l)	(3)	1.9	LT 5.0	LT 5.0	3.1	(2)	3.8	26000	16000	13000	13000	23000	26000	18000	11000	3200	4800	6100	3300
V.Chloride (ug/l)	(3)	LT 1.0	LT 10	LT 10	LT 2.0	(2)	LT 1.0	1200	820	LT 1000	550	900	1200	2300	1100	390	430	610	360
Chlorobenzene (ug/l)	(3)	100	120	110	72	(2)	90	LT 50	LT 50	LT 500	LT 350	LT 200	LT 250	LT 500	LT 500	220	250	340	230
Chloroform (ug/l)	(3)	LT 0.50	LT 5.0	LT 5.0	LT 1.5	(2)	LT 0.75	LT 50	LT 50	LT 500	LT 150	LT 300	LT 380	LT 500	LT 500	LT 50	LT 38	LT 75	LT 75
Acetone (ug/l)	(3)	LT 10	LT 100	LT 100	LT 10	(2)	LT 5	LT 1000	LT 1000	LT 10000	LT 1000	LT 2000	LT 2500	LT 10000	LT 10000	LT 1000	LT 250	LT 500	LT 500
Acrolein (ug/l)	4000	NA	NA	LT 5.0	LT 25	(2)	LT 12	NA	NA	LT 500	LT 2500	LT 5000	LT 6200	NA	NA	LT 50	LT 620	LT 1200	LT 1200
Arsenic (mg/l)	1.400	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(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	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	1.200	LT 0.01	LT 0.01	LT 0.01	LT 0.005	(2)	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	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	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	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	4.800	LT 0.02	LT 0.01	NA	NA	(2)	NA	LT 0.01	LT 0.01	NA	NA	NA	NA	LT 0.01	LT 0.01	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	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)	1.900	0.09	0.062	NA	NA	(2)	NA	0.18	0.18	NA	NA	NA	NA	0.18	0.12	NA	NA	NA	NA
Iron (mg/l)	-	NA	86	79	83	(2)	90	NA	41	40	46	54	52	NA	71	74	73	78	70
Lead (mg/l)	0.600	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(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	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	-	NA	1.8	1.4	1.8	(2)	2.0	NA	9.7	8.6	7.9	8.2	7.5	NA	6.9	5.8	6.5	6.9	5.6
Mercury (mg/l)	0.010	LT 0.0002	LT 0.0002	NA	LT 0.0005	(2)	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	-	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)		LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	2.100	LT 0.05	LT 0.05	LT 0.05	LT 0.025	(2)	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	0.500	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	3.500	LT 0.01	LT 0.01	0.01	0.07	(2)	LT 0.05	LT 0.01	0.02	0.02	LT 0.05	LT 0.05	LT 0.05	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	(3)	63	70	NA	73.1	(2)	ND	79	55	NA	122.5	NA	110	217	255	NA	371.3	NA	26
Pesticides	(4)	NA	NA	ND	NA	(2)	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND

	RECOVERY WELL OBG-3						RECOVERY WELL BEI-1					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	(2)	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	LT 0.50	LT 0.50	LT 0.51	LT 0.50	LT 0.50	LT 0.50	(2)	2.0	5.2	0.953	6.39	4.2
Benzene (ug/l)	LT 500	68	LT 120	58	59	LT 50	(2)	68	LT 500	LT 100	LT 200	LT 200
Toluene (ug/l)	LT 500	30	LT 120	LT 75	LT 75	LT 75	(2)	360	990	960	1200	1100
E-Benzene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50	(2)	700	1000	1100	1200	1400
Xylene (ug/l)	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50	(2)	LT 50	LT 500	LT 100	LT 200	LT 200
TCE (ug/l)	7100	4300	1800	450	120	98	(2)	7500	17000	13000	20000	20000
1,2 DCE (ug/l)	9200	4800	3500	3600	2900	5400	(2)	21000	11000	12000	14000	20000
V.Chloride (ug/l)	LT 1000	180	LT 250	180	230	490	(2)	850	LT 1000	490	600	800
Chlorobenzene (ug/l)	LT 500	44	LT 120	LT 180	77	LT 50	(2)	LT 50	LT 500	LT 350	LT 200	LT 200
Chloroform (ug/l)	LT 500	LT 25	LT 120	LT 75	LT 75	LT 75	(2)	LT 50	LT 500	LT 150	LT 300	LT 300
Acetone (ug/l)	LT 10000	LT 500	LT 2500	LT 500	LT 500	LT 500	(2)	LT 1000	LT 10000	LT 1000	LT 2000	LT 2000
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 1200	LT 1200	(2)	NA	LT 500	LT 2500	LT 5000	LT 5000
Arsenic (mg/l)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	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
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	(2)	LT 0.01	NA	NA	NA	NA
Copper (mg/l)	LT 0.01	LT 0.01	LT 0.01	0.03	0.01	LT 0.01	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	0.02	0.021	NA	NA	NA	NA	(2)	0.019	NA	NA	NA	NA
Iron (mg/l)	NA	41	53	53	62	60	(2)	26	47	45	60	41
Lead (mg/l)	LT 0.005	LT 0.005	LT 0.005	0.016	LT 0.005	LT 0.005	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Manganese (mg/l)	NA	8.9	9.8	8.3	9.6	11	(2)	4.4	10	10	11	9.7
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	(2)	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	0.026	LT 0.025	(2)	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	LT 0.01	0.01	LT 0.01	0.15	0.05	0.05	(2)	LT 0.01	LT 0.01	0.06	LT 0.05	LT 0.05
SVOC'S (ug/l)	ND	15	NA	16	NA	46	(2)	68	NA	67.9	NA	82
Pesticides	NA	NA	ND	NA	NA	ND	(2)	NA	ND	NA	NA	ND

	RECOVERY WELL BEI-2						RECOVERY WELL BEI-3					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	9/24/01
PCBs (ug/l)	8.2	7.8	3.0	LT 0.5	2.586	1.68	3.3	3.4	4.5	0.867	4.42	1.28
Benzene (ug/l)	230	LT 250	LT 120	120	LT 100	140		LT 500	LT 250	LT 50	LT 50	LT 100
Toluene (ug/l)	2200	940	210	78	LT 150	220	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
E-Benzene (ug/l)	4000	1700	430	290	220	480	6.7	LT 500	LT 250	LT 50	83	LT 100
Xylene (ug/l)	87	LT 250	LT 120	LT 50	LT 100	LT 100	LT 5.0	LT 500	LT 250	LT 50	LT 50	LT 100
TCE (ug/l)	3800	4200	850	160	300	540	14000	13000	7200	2800	4600	2400
1,2 DCE (ug/l)	77000	30000	8100	7400	5900	14000	590	1400	2900	3400	6400	7400
V.Chloride (ug/l)	8200	3600	1000	840	850	2000	17	LT 1000	LT 500	LT 100	180	LT 200
Chlorobenzene (ug/l)	80	LT 250	LT 120	LT 180	LT 100	100	LT 5.0	LT 500	LT 250	LT 180	LT 50	LT 100
Chloroform (ug/l)	LT 50	LT 250	LT 120	LT 75	LT 150	LT 150	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
Acetone (ug/l)	LT 1000	LT 5000	LT 2500	LT 500	LT 1000	LT 1000	LT 100	LT 10000	LT 5000	LT 500	LT 500	LT 1000
Acrolein (ug/l)	NA	NA	LT 120	LT 1200	LT 2500	LT 2500	NA	NA	LT 250	LT 1200	LT 1200	LT 2500
Arsenic (mg/l)	LT 0.005	LT 0.005	0.012	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
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005
Chromium (mg/l)	LT 0.01	LT 0.01	0.01	0.01	0.01	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	LT 0.01	LT 0.01	NA	NA	NA	NA
Copper (mg/l)	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	LT 0.01	LT 0.01	LT 0.01
Cyanide (mg/l)	0.01	0.049	NA	NA	NA	NA	LT 0.01	LT 0.01	NA	NA	NA	NA
Iron (mg/l)	NA	55	210	58	58	55	NA	1.4	0.86	1.3	2.4	2.4
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	LT 0.005	LT 0.005
Manganese (mg/l)	NA	9.2	7.9	7.8	7.6	8.6	NA	1.6	3.5	5.3	6.8	8.0
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	0.08	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05	0.01	0.02	0.01	0.14	0.05	0.05
SVOC'S (ug/l)	101	72	NA	74.2	NA	86	ND	ND	NA	ND	NA	13.1
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories.
   Samples for events 4 , 5, and 6 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
5. ND = Not Detected
6. NA = Not Analyzed
7. LT = Less Than

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
t:\71\5508005\2_correct.EDER06 Table 5.xls

TABLE 6
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER TREATMENT PLANT
TOTAL SVOCS In TREATED EFFLUENT

Date	SVOCs mg/l		Date	SVOCs mg/l
15-Dec-99	ND		13-Mar-00	ND
20-Dec-99	ND		21-Mar-00	ND
22-Dec-99	ND		29-Jun-00	ND
27-Dec-99	ND		26-Sep-00	ND
28-Dec-99	ND		5-Oct-00	0.027
29-Dec-99	ND		7-Dec-00	0.010
30-Dec-99	ND		10-Jan-01	0.018
5-Jan-00	ND		22-Feb-01	0.012
6-Jan-00	ND		29-Mar-01	0.150
7-Jan-00	0.014		5-Apr-01	0.025
10-Jan-00	ND		3-May-01	0.006
11-Jan-00	0.018		6-Jun-01	0.007
12-Jan-00	ND		6-Jul-01	0.001
26-Jan-00	ND		22-Aug-01	0.003
1-Feb-00	ND		5-Sep-01	0.009
8-Feb-00	0.033		2-Oct-01	0.004
3-Mar-00	ND		14-Nov-01	0.002
6-Mar-00	ND		6-Dec-01	0.004

Notes:
1. ND = Non Detect
2. Discharge Limitation = 2.000 mg/l Total Toxic Organics

Table 7-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Spring 2001 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	42	2	2.5U	10
1,4-Dichlorobenzene	42	4	2.5U	28
2-Butanone (MEK)	42	1	5U	6.7
4-Methyl-2-pentanone	42	1	5U	880
Acrylonitrile	42	1	5U	17
Benzene	42	12	0.5U	5700
Chlorobenzene	42	8	1.8U	220
Chloroethane	42	3	1.0U	13
Chloroform	42	1	0.75U	15
Ethylbenzene	42	13	0.5U	3200
Isopropylbenzene	42	2	2.5U	18
Methyl tert butyl ether	42	1	2.0U	6.8
Naphthalene	42	3	2.5U	93
Styrene	42	1	0.5U	6
Tetrahydrofuran	42	1	10U	29
Toluene	42	11	0.75U	2700
Trichloroethene	42	7	0.5U	650
Vinyl chloride	42	20	1.0U	18000
cis-1,2-Dichloroethene	42	23	0.5U	64000
0-Xylene	42	4	0.5U	23
m,p-Xylenes	42	5	0.5U	27

Notes:
1. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 7-2
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Summer 2001 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	42	3	2.5U	35
Benzene 1,3,5-trimethyl	42	1	2.5U	19
1,3-Dichlorobenzene	42	1	2.5U	3
1,4-Dichlorobenzene	42	2	2.5U	12
4-Methyl-2-pentanone	42	1	5U	920
Acetone	42	1	5U	13
Acrylonitrile	42	1	5U	12
Benzene	42	12	0.5U	2400
Chlorobenzene	42	17	0.5U	180
Chloroform	42	2	0.75U	1
Ethylbenzene	42	15	0.5U	4100
Isopropylbenzene	42	3	0.5U	15
Methyl tert butyl ether	42	4	1U	3.6
Naphthalene	42	3	2.5U	40
Styrene	42	2	0.5U	1.6
Tetrahydrofuran	42	1	10U	14
Toluene	42	12	0.75U	3900
Trichloroethene	42	10	0.5U	710
Vinyl chloride	42	20	1U	22000
cis-1,2-Dichloroethene	42	23	0.5U	88000
n-Butylbenzene	42	2	0.5U	2.5
n-Propylbenzene	42	3	0.5U	4.5
0-Xylene	42	4	0.5U	4.5
p-Isopropyltoluene	42	1	0.5U	3.3
m,p-Xylenes	42	5	0.5U	28
sec-Butylbenzene	42	2	0.5U	1.5
trans-1,2-Dichloroethene	42	9	0.75U	2100

Notes:
1. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 7-3
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Fall 2001 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	43	3	2.5U	6.1
Benzene 1,3,5-trimethyl	43	1	2.5U	2.8
1,1-Dichloroethane	43	1	0.75U	1.1
1,3-Dichlorobenzene	43	2	2.5U	3.9
1,4-Dichlorobenzene	43	4	2.5U	14
4-Methyl-2-pentanone	43	1	5U	740
Benzene	43	11	0.5U	5400
Chlorobenzene	43	14	0.5U	270
Chloroethane	43	3	1.0 U	14
Chloroform	43	2	0.75U	1.4
Ethylbenzene	43	14	0.5U	1400
Isopropylbenzene	43	3	0.5U	10
Methyl tert butyl ether	43	2	1U	3.9
Naphthalene	43	4	2.5U	110
Styrene	43	1	0.5U	1.5
Tetrahydrofuran	43	2	10U	12
Toluene	43	11	0.75U	1500
Trichloroethene	43	8	0.5U	820
Vinyl chloride	43	22	1U	14000
cis-1,2-Dichloroethene	43	24	0.5U	36000
n-Butylbenzene	43	1	0.5U	0.74
n-Propylbenzene	43	2	0.5U	2.3
0-Xylene	43	4	0.5U	19
p-Isopropyltoluene	43	1	0.5U	2.6
m,p-Xylenes	43	4	0.5U	22

Notes:
1. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 7-4
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Winter 2001 Monitoring Event
Volatile Organic Compounds[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	41	1	2.5U	13
1,4-Dichlorobenzene	41	2	2.5U	13
4-Methyl-2-pentanone	41	1	5U	820
Benzene	41	11	0.5U	5200
Chlorobenzene	41	16	0.5U	200
Chloroform	41	2	0.75U	1.2
Ethylbenzene	41	10	0.5U	1400
Isopropylbenzene	41	2	0.5U	17
Methyl tert butyl ether	41	1	1U	3.6
Naphthalene	41	1	2.5U	5.6
Styrene	41	1	0.5U	1.0
Toluene	41	6	0.75U	1400
Trichloroethene	41	10	0.5U	3200
Vinyl chloride	41	23	1U	24000
cis-1,2-Dichloroethene	41	26	0.5U	31000
n-Butylbenzene	41	2	0.5U	3.4
n-Propylbenzene	41	2	0.5U	2.6
0-Xylene	41	1	0.5U	1.1
m,p-Xylenes	41	3	0.5U	120
sec-Butlybenzene	41	1	0.5U	1.1

Notes:
1. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 8-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Spring 2001 Monitoring Event
Volatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene, 1,2,4-trimethyl	7	1	2.5U	11
1,4-Dichlorobenzene	7	1	2.5U	10
Benzene	7	5	50U	390
Chlorobenzene	7	2	180U	250
Chloroethane	7	1	50U	12
Ethylbenzene	7	5	50U	1100
Isopropylbenzene	7	1	120U	11
Naphthalene	7	2	250U	140
Toluene	7	4	1.5U	960
Trichloroethene	7	7	1.40	13000
Vinyl chloride	7	5	2.0U	840
cis-1,2-Dichloroethene	7	7	3.10	13000
0-xylene	7	1	25U	2.8
m,p-xylenes	7	2	50U	42

Notes:

1. Samples collected from the following recovery systems: Shallow collection trench pump station and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 8-2
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Fall 2001 Monitoring Event
Volatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Benzene	6	3	50 U	570
Chlorobenzene	6	2	50U	340
Ethylbenzene	6	5	50 U	1200
Naphthalene	6	1	250 U	270
Tetrachloroethane	6	1	50 U	260
Toluene	6	3	75U	1500
Trichloroethene	6	6	120	20000
Vinyl chloride	6	6	160	900
cis-1,2-Dichloroethene	6	6	2900	23000

Notes:

1. Samples collected from bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3
2. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 8-3
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Volatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,1-Dichloroethane	7	1	75U	0.95
Benzene 1,2,4-trimethyl	7	1	250U	7.5
1,3-Dichlorobenzene	7	1	250U	3.5
1,4-Dichlorobenzene	7	1	250U	12
Benzene	7	4	100U	420
Chlorobenzene	7	3	50U	230
Ethylbenzene	7	5	50 U	1400
Isopropylbenzene	7	1	50U	13
Naphthalene	7	1	250 U	32
Toluene	7	4	75U	1600
Trichloroethene	7	6	50U	20000
Vinyl chloride	7	5	1U	2000
cis-1,2-Dichloroethene	7	7	3.8	26000
n-Butylbenzene	7	1	50U	0.8
n-Propylbenzene	7	1	50U	1.8
o-Xylene	7	1	50U	3.1
p-Isopropyltoluene	7	1	50U	0.74
m,p-Xylenes	7	1	50U	8.5
sec-Butylbenzene	7	1	50U	0.53

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 74 volatile organic compounds analyzed for using method 8260B. Only detected compounds shown.

Table 9-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Spring 2001 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	42	19	100U	7,000
Antimony	42	0	50U	50U
Arsenic	42	1	5U	43
Barium	42	36	10U	1,200
Beryllium	42	0	5U	5U
Cadmium	42	0	5U	5U
Calcium	42	42	18,000	440,000
Chromium (total)	42	5	10U	130
Cobalt	42	1	20U	90
Copper	42	2	10U	20
Iron	42	41	50U	360,000
Lead	42	3	5U	23
Magnesium	42	41	100U	120,000
Manganese	42	41	10U	10,000
Mercury	42	0	0.5U	0.5U
Molybdenum	0	0	0	0
Nickel	42	1	25U	294
Potassium	42	33	2,000U	57,000
Selenium	42	1	5U	9
Silver	42	0	10U	10U
Sodium	42	42	14,000	220,000
Thallium	42	0	5U	5U
Vanadium	42	3	10U	30
Zinc	42	4	50U	570

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

Table 9-2
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Summer 2001 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	42	14	100U	10,000
Antimony	42	0	50U	50U
Arsenic	42	1	5U	23
Barium	42	36	10U	1,500
Beryllium	42	0	5U	5U
Cadmium	42	0	5U	5U
Calcium	42	42	22,000	170,000
Chromium (total)	42	3	10U	60J
Cobalt	42	1	20U	150
Copper	42	5	10U	70
Iron	42	40	50U	110,000
Lead	42	3	5U	104
Magnesium	42	42	3,200	54,000
Manganese	42	39	10U	9,100
Mercury	42	0	0.5U	0.5U
Nickel	42	2	25U	961
Potassium	42	39	1,000U	13,000
Selenium	42	0	5U	5U
Silver	42	0	7U	7U
Sodium	42	42	14,000	220,000
Thallium	42	0	5U	5U
Vanadium	42	5	10U	70
Zinc	42	8	50U	7,700

Notes:

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

Table 9-3
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Fall 2001 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	43	12	100U	4,500
Antimony	43	0	50U	50U
Arsenic	43	2	5U	81
Barium	43	37	10U	1,200
Beryllium	43	0	5U	5U
Cadmium	43	0	5U	5U
Calcium	43	43	24,000	230,000
Chromium (total)	43	1	10U	30
Cobalt	43	1	20U	30
Copper	43	3	10U	20
Iron	43	39	50U	250,000
Lead	43	3	5U	54
Magnesium	43	43	3,400	50,000
Manganese	43	41	10U	13,000
Mercury	43	0	0.5U	0.5U
Molybdenum	0	0	0	0
Nickel	43	1	25U	129
Potassium	43	40	1,000U	29,000
Selenium	43	0	5U	5U
Silver	43	0	7U	7U
Sodium	43	43	14,000	220,000
Thallium	43	0	5U	5U
Vanadium	43	3	10U	40
Zinc	43	3	50U	250

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

Table 9-4
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Winter 2001 Monitoring Event
Metals[1]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	41	10	0.1U	31
Antimony	41	0	0.05U	0.05U
Arsenic	41	1	0.005U	0.018
Barium	41	35	0.01U	1
Beryllium	41	0	0.005U	0.005U
Cadmium	41	0	0.005U	0.005U
Calcium	41	41	23	130
Chromium (total)	41	4	0.01U	0.04
Cobalt	41	0	0.02U	0.02U
Copper	41	1	0.01U	0.11
Iron	41	36	0.1U	110
Lead	41	1	0.005U	0.503
Magnesium	41	41	4	55
Manganese	41	38	0.01U	10
Mercury	41	0	0.0005U	0.0005U
Molybdenum	0			
Nickel	41	0	0.025U	0.025U
Potassium	41	38	1.0U	11
Selenium	41	0	0.005U	0.01U
Silver	41	0	0.007U	0.007U
Sodium	41	41	14	190
Thallium	41	0	0.005U	0.005U
Vanadium	41	1	0.01U	0.14
Zinc	41	4	0.05U	0.43

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

Table 10-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Spring 2001 Monitoring Event
Metals[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	7	1	100U	110
Antimony	7	0	50U	50U
Arsenic	7	0	5U	5U
Barium	7	7	90	840
Beryllium	7	0	5U	5U
Cadmium	7	0	5U	5U
Calcium	7	7	61,000	110,000
Chromium (total)	7	0	10U	10U
Cobalt	7	0	20U	20U
Copper	7	1	10U	30
Iron	7	7	1,300	83,000
Lead	7	1	5U	16
Magnesium	7	7	5,300	25,000
Manganese	7	7	1,800	10,000
Mercury	7	0	0.5U	0.5U
Molybdenum	7	0	50U	50U
Nickel	7	0	25U	25U
Potassium	7	7	4,200	12,000
Selenium	7	0	5U	5U
Silver	7	0	10U	10U
Sodium	7	7	32,000	99,000
Thallium	7	0	5U	5U
Vanadium	7	0	10U	10U
Zinc	7	4	50U	150

Notes:

1. Samples collected from the following recovery systems: Shallow collection trench pump station and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 24 metal compounds analyzed using method 6010B/7470A. All analysis shown.

Table 10-2
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Fall 2001 Monitoring Event
Metals[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	6	0	100U	100U
Antimony	6	0	50U	50U
Arsenic	6	0	5U	5U
Barium	6	6	90	1,900
Beryllium	6	0	5U	5U
Cadmium	6	0	5U	5U
Calcium	6	6	81,000	120,000
Chromium (total)	6	1	10U	10
Cobalt	6	0	20U	20U
Copper	6	1	10U	60
Iron	6	6	2,400	76,000
Lead	6	0	5U	5U
Magnesium	6	6	12,000	26,000
Manganese	6	6	6,800	11,000
Mercury	6	0	0.5U	0.5U
Molybdenum	6	0	50U	50U
Nickel	6	1	25U	26
Potassium	6	6	4,200	12,000
Selenium	6	0	5U	5U
Silver	6	0	7U	7U
Sodium	6	6	27,000	83,000
Thallium	6	0	5U	5U
Vanadium	6	0	10U	10U
Zinc	6	3	50U	50

Notes:

1. Samples collected from bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 24 metal compounds analyzed using method 6010B/7470A. All analysis shown.

Table 10-3
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Metals[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
Aluminum	7	1	0.1U	0.13
Antimony	7	0	0.05U	0.05U
Arsenic	7	0	0.005U	0.005U
Barium	7	7	0.09	1.8
Beryllium	7	0	0.005U	0.005U
Cadmium	7	0	0.005U	0.005U
Calcium	7	7	62.0	120.0
Chromium (total)	7	0	0.01U	0.01U
Cobalt	7	0	0.02U	0.02U
Copper	7	0	0.01U	0.01U
Iron	7	6	2.4	90.0
Lead	7	0	0.005U	0.005U
Magnesium	7	7	11.0	25.0
Manganese	7	7	2.0	11.0
Mercury	7	0	0.0005U	0.0005U
Molybdenum	7	0	0.05U	0.05U
Nickel	7	0	0.025U	0.025U
Potassium	7	7	3.8	11.0
Selenium	7	0	0.005U	0.005U
Silver	7	0	0.007U	0.007U
Sodium	7	7	26.0	81.0
Thallium	7	0	0.005U	0.005U
Vanadium	7	0	0.01U	0.01U
Zinc	7	1	0.05U	0.05

Notes:
1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 24 metal compounds analyzed using method 6010B/7470A. All analysis shown.

Table 11-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary
Spring 2001 Monitoring Event
Semivolatile Organic Compounds[1+2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,2,4-Trichlorobenzene	41	2	3.8U	62
1,3-Dichlorobenzene	41	3	3.8U	17
1,4-Dichlorobenzene	41	8	3.8U	33
1-Chloronaphthalene	41	2	3.8U	19
1-Methylnaphthalane	41	3	3.8U	8.6
2-Methylnaphthalene	41	1	3.8U	6
2,4-Dimethylphenol	41	1	7.5U	21
2-Methylphenol	41	1	3.8U	24
3-Methylphenol/4-Methylphenol	41	1	3.8U	46
Acenaphthene	41	1	3.8U	9.1
Acetophenone	41	1	15U	20
2,2-oxybis(1-Chloropropane)	41	1	3.8U	53
Isophorone	41	2	3.8U	43
NDPA/DPA (Diphenylamine)	41	3	3.8U	14
Naphthalene	41	6	3.8U	120
Phenol	41	2	3.8U	34

Notes:
1. A total of 99 semivolatile organic compounds analyzed using method 8270C. Only detected compounds shown.

Table 12-1
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Spring 2001 Monitoring Event
Semivolatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,2,4-Trichlorobenzene	7	4	5.0U	44
1,3-Dichlorobenzene	7	1	5.0U	11J
1,4-Dichlorobenzene	7	4	5.0U	33J
1-Chloronaphthalene	7	4	5.0U	25J
1-Methylnaphthalane	7	3	5.0U	26J
2-Methylnaphthalene	7	2	5.0U	25J
Acenaphthene	7	2	5.0U	5.7J
Isophorone	7	2	4.6UJ	7.8
NDPA/DPA (Diphenylamine)	7	4	5.0U	47
Naphthalene	7	6	4.3U	190J

Notes:

1. Samples collected from the following recovery systems: Shallow collection trench pump station and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 99 semivolatile organic comounds analyzed using method 8270C. Only detected compounds shown.

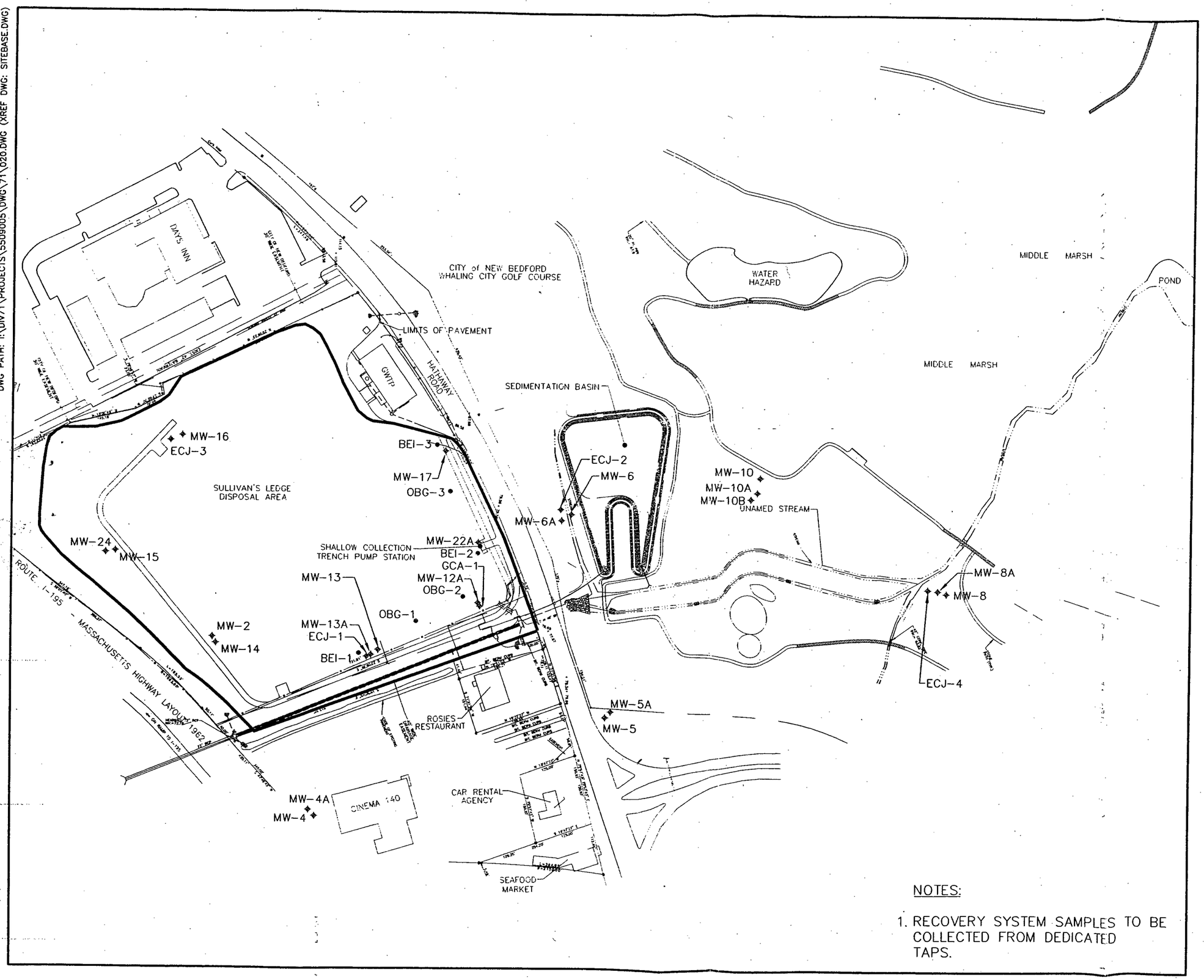
Table 12-2
Sullivan's Ledge Superfund Site
Groundwater Data Summary from Recovery Systems[1]
Winter 2001 Monitoring Event
Semivolatile Organic Compounds[2]

Constituent	Number of Samples	Number of Detects	Range (µg/L)	
			Low	High
1,2,4-Trichlorobenzene	7	2	10U	82
1-Chloronaphthalene	7	1	10U	5.3
Naphthalene	7	4	5U	110

Notes:

1. Samples collected from shallow collection trench and bedrock recovery wells BEI-1, BEI-2, BEI-3, OBG-1, OBG-2 and OBG-3.
2. A total of 99 semivolatile organic compounds analyzed for using method 8270C. Only detected compounds shown.

FIGURE-1



LEGEND

- ⌖ MONITORING WELL LOCATION
- ⊙ RECOVERY WELL LOCATION

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

SAMPLING LOCATIONS

ANNUAL GROUND WATER MONITORING PROGRAM

200 0 200

SCALE IN FEET

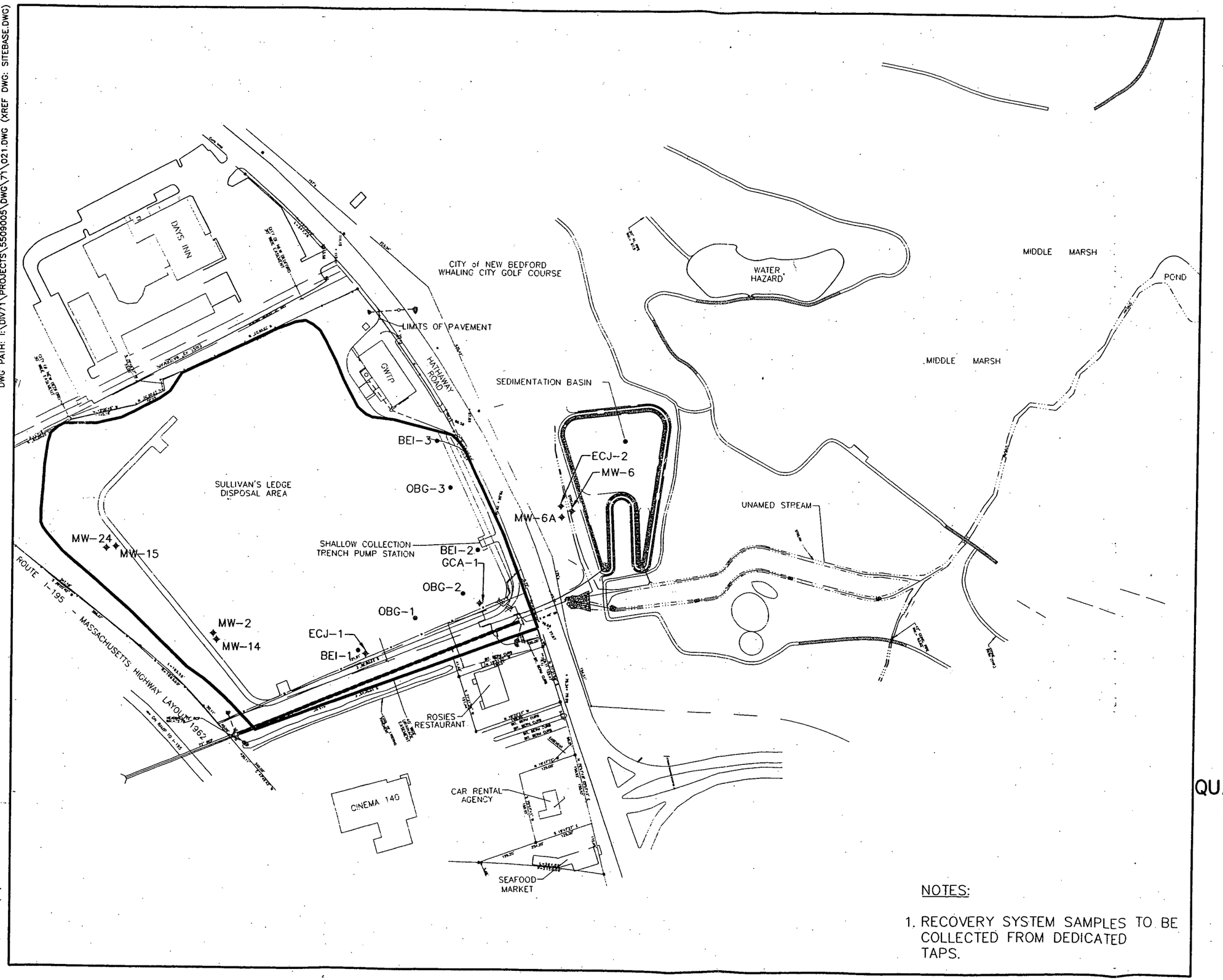
FILE NO. 5509.005-020
JANUARY 2002

O'BRIEN & GERE ENGINEERS INC.

NOTES:

1. RECOVERY SYSTEM SAMPLES TO BE COLLECTED FROM DEDICATED TAPS.

FIGURE–2



LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION

SULLIVAN'S LEDGE
SUPERFUND SITE
NEW BEDFORD, MASS.

SAMPLING LOCATIONS

QUARTERLY GROUND WATER MONITORING PROGRAM

200 0 200

SCALE IN FEET

FILE NO. 5509.005–021
JANUARY 2002

O'BRIEN & GERE ENGINEERS INC.

NOTES:

1. RECOVERY SYSTEM SAMPLES TO BE COLLECTED FROM DEDICATED TAPS.

DWG PATH: I:\DIV71\PROJECTS\5509005\DWG\71\021.DWG (XREF DWG: SITEBASE.DWG)

PLOT DATE: 2/6/02

Appendix H

Recommendations for Ground Water Treatment Plant Effluent Sampling

CITY OF NEW BEDFORD
MASSACHUSETTS
Dept. of Public Works
133 William Street

LAWRENCE D. WORDEN
COMMISSIONER

February 26, 2002

Mr. James R. Heckathome, P.E.
O'Brien & Gere Engineers, Inc.
5000 Brittonfield Parkway
Syracuse, New York 13221-4873

RE: SULLIVAN'S LEDGE SUPERFUND SITE GROUNDWATER TREATMENT PLANT EFFLUENT SAMPLING

Dear Jim,

I have reviewed the proposed effluent monitoring program for the ground water treatment facility and agree with your recommendation for approval.

I have directed the operational staff to initiate the proposed monitoring plan beginning in March, 2002. Should there be any objections to this, please contact Jim Ricci at (508) 979-1603.

Sincerely,

Ronald H. Labelle

Ronald H. Labelle
Superintendent

JR/jasc

c: S. Wood
J. Ricci

O'BRIEN & GERE
ENGINEERS, INC.

February 5, 2002

Mr. Ronald H. Labelle
Superintendent
Department of Public Works
Wastewater Division
294 Liberty St
New Bedford, MA 02740

Re: Sullivan's Ledge Superfund Site
Groundwater Treatment Plant Effluent
Sampling
File: [redacted]

Dear Ron:

On behalf of the Sullivan's Ledge Site Group, O'Brien & Gere has reviewed the December 5, 2001 letter from Jim Ricci of the City of New Bedford to Steve Wood of the Sullivan's Ledge Project Management Committee pertaining to the effluent monitoring program for the groundwater treatment plant, and recommends approval. A copy of the December 5, 2001 letter is attached for your convenience.

In overview, effluent sampling requirements were first specified by the City of New Bedford in 1994, and were modified based on the results of operational data as documented in O'Brien & Gere requests dated March 16, 2000 and April 17, 2000, and City of New Bedford approvals dated March 24, 2000 and June 25, 2000, respectively. Based on over two years of operational data, O'Brien & Gere agrees that some additional revisions to the effluent monitoring program are appropriate at this time. The current and proposed programs are summarized below:

	Effluent Sampling Frequency	
Constituent	**Current**	**Proposed**
VOCs	Weekly	Twice per month
PCBs	Weekly	Twice per month
Metals*	Monthly	Monthly
Cyanide	Monthly	Monthly
SVOCs	Monthly	Semi-annually
Pesticides	Monthly	Semi-monthly

*arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, silver, and zinc.

An assessment of the proposed revisions is presented below.

VOCs

As shown on Table 1, samples of the seven influent sources to the groundwater treatment plant have been collected on six occasions since start-up in December 1999, with the most recent samples being collected on December 6, 2001. As shown on Table 1, concentrations of VOCs in the influent have been consistent over the two-year period.

As shown on Table 2, effluent samples have been collected and analyzed for VOCs on approximately 165 occasions during the period December 1999 through December 2001. During this period, detected concentrations of total VOCs have exceeded the Total Toxic Organic (TTO) discharge limitation of 2.0 mg/l on only two occasions. The detected concentrations (2.60 mg/l and 2.35 mg/l, on January 5 and 24, 2001, respectively), were only slightly above 2.0 mg/l. As shown on Table 2, however, operation of the groundwater treatment plant generally results in the concentration of total VOCs in the effluent being at least an order of magnitude below the TTO limitation of 2.0 mg/l.

Based on influent concentrations of VOCS being consistent, and the demonstrated record of treatment performance over two years, it is recommended that the proposed monitoring frequency for VOCs of twice per month be approved.

PCBs

As shown on Table 1, samples of the seven influent sources to the groundwater treatment plant have been collected on six occasions since start-up in December 1999, with the most recent samples being collected on December 6, 2001. As shown on Table 1, concentrations of PCBs in the influent have been consistent over the two-year period.

As shown on Table 3, effluent samples have been collected and analyzed for PCBs on approximately 148 occasions during the period December 1999 through December 2001. During the two-year period, the detected concentrations of PCBs have exceeded the discharge limitation of 0.005 mg/l on only one occasion (0.0065 mg/l on October 5, 2000). As shown on Table 3, however, operation of the groundwater treatment plant generally results in the concentration of PCBs in the effluent being non-detect (i.e., at least an order of magnitude below the discharge limitation).

Based on influent concentrations of PCBs being consistent, and the demonstrated record of treatment performance over two years, it is recommended that the proposed monitoring frequency for PCBs of twice per month be approved.

Metals / Cyanide

No changes are proposed to the monthly schedule for metals monitoring. It should be noted, however, that as shown on Table 1, the metals in the influent to the groundwater treatment plant have been consistently several orders of magnitude below respective discharge limitations.

SVOCs

As summarized on Table 1, samples of the seven influent sources to the groundwater treatment plant have been analyzed for SVOCS on four occasions. The concentration of SVOCs in the influent has been typically less than 0.1 mg/l, and has been consistently a very small fraction of the organic loading to the groundwater treatment plant. Site data, summarized on Table 4, also indicates that SVOCs are a small fraction of total organic compounds in site groundwater.

As shown on Table 5, the concentration of SVOCs in the effluent is typically less than 0.01 mg/l, well below the TTO discharge limitation of 2.0 mg/l.

Based on influent concentrations of SVOCs being consistent and a small fraction of organic loading to the GWTP, and the demonstrated record of treatment performance over two years, it is recommended that the proposed monitoring frequency for SVOCs of twice per year be approved.

Pesticides

As summarized on Table 1, samples of the seven influent sources to the groundwater treatment plant have been analyzed for pesticides on two occasions, and pesticides have never been detected.

As shown on Table 6, the effluent has been sampled for pesticides on 20 occasions since December 1999, and pesticides have never been detected in the effluent.

Because pesticides have never been detected in the influent or effluent of the groundwater treatment plant, it is recommended that the proposed monitoring frequency for pesticides of twice per year be approved.

Please contact me or Jim O'Loughlin of Mabbett & Associates (781) 275-6050 if you have any questions concerning this recommendation.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

James R. Heckathorne, PE
Vice President

cc: S. Wood, E. Bertaut, R. Connors, D. Lederer, E. Vaughn, D. Dwight, J. Ricci, D. Davis, A. Farrell, J. O'Loughlin

CITY OF NEW BEDFORD
MASSACHUSETTS

DEPT. OF PUBLIC WORKS
133 WILLIAM STREET

LAWRENCE D. WORDEN
COMMISSIONER

December 5, 2001

Mr. Stephen B. Wood
Environmental Science Services, Inc.
272 West Exchange Street
Providence, RI 02903

Dear Mr. Wood:

As you are aware the City of New Bedford recently completed it's first year of operation and maintenance of the Sullivan's Ledge groundwater treatment facility. During this period the City has and continues to collect and analyze effluent samples on a weekly basis. These samples are analyzed weekly for volatile organics (VOC) and PCB'S. Additionally, one sample per month is analyzed for the following additional parameters, semi volatile organics (SVOC), arsenic, cadmium, chromium, copper, lead, molybdenum, silver, zinc, mercury, hexavalent chromium and cyanide. Analyses for nickel and pesticides were added and hexavalent chromium was deleted with the November, 2001 sampling.

Upon your review and approval, as well as the approval of Federal, State and Local authorities I am requesting that the current effluent monitoring plan be modified as follows:

- Samples will be collected twice per month.
- One sample will be analyzed for VOC, PCB's, Pesticides, cyanide, and total metals as listed above. A second sample collected approximately two weeks later will be analyzed for VOC and PCB's.
- Semi Volatile Organics and Pesticides will be analyzed semi-annually.
- Consistent with previous correspondence from O'Brien & Gere, analysis for hexavalent chromium will be discontinued and total chromium will be used as a surrogate.
- Should it become necessary to operate the facility in the by-pass mode representative samples will be collected and analyzed

December 5, 2001

Should you have any questions regarding this request please contact me at 508-979-1603.

Sincerely,

James J. Ricci
Director of Operations

Cc: Ronald Labelle

Scott Alfonse

TABLE 1

SULLIVAN'S LEDGE SUPERFUND SITE

SUMMARY OF INFLUENT LABORATORY ANALYTICAL RESULTS[1]

	Discharge Limits	GROUND WATER COLLECTION TRENCH						RECOVERY WELL OBG-1					
		Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date		12/15/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	5	2.4	3.2	4.5	LT 0.50	(2)	LT 0.46	3.7	4.9	10	29.6	26.2	512
Benzene (ug/l)	(3)	110	110	140	90	(2)	99	230	360	LT 500	270	300	330
Toluene (ug/l)	(3)	70	190	53	LT 1.5	(2)	4.7	650	620	870	770	1500	1800
E-Benzene (ug/l)	(3)	12	12	21	3.8	(2)	3.7	750	610	920	720	1200	1400
Xylene (ug/l)	(3)	18	16	23	12.1	(2)	11.8	LT 50	LT 50	LT 500	LT 100	LT 200	LT 250
TCE (ug/l)	(3)	LT 0.5	LT 5.0	LT 5.0	1.4	(2)	4.1	4100	5400	7400	2100	8000	8600
1,2 DCE (ug/l)	(3)	1.9	LT 5.0	LT 5.0	3.1	(2)	3.8	26000	16000	13000	13000	23000	26000
V.Chloride (ug/l)	(3)	LT 1.0	LT 10	LT 10	LT 2.0	(2)	LT 1.0	1300	820	LT 1000	550	900	1200
Chlorobenzene (ug/l)	(3)	100	120	110	72	(2)	90	LT 50	LT 50	LT 500	LT 350	LT 200	LT 250
Chloroform (ug/l)	(3)	LT 0.50	LT 5.0	LT 5.0	LT 1.5	(2)	LT 0.75	LT 50	LT 50	LT 500	LT 150	LT 300	LT 380
Acetone (ug/l)	(3)	LT 10	LT 100	LT 100	LT 10	(2)	LT 5	LT 1000	LT 1000	LT 10000	LT 1000	LT 2000	LT 2500
Acrolein (ug/l)	4000	NA	NA	LT 5.0	LT 25	(2)	LT 12	NA	NA	LT 500	LT 2500	LT 5000	LT 6200
Arsenic (mg/l)	1.400	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	1.200	LT 0.01	LT 0.01	LT 0.01	LT 0.005	(2)	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	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	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	4.800	LT 0.02	LT 0.01	NA	NA	(2)	NA	LT 0.01	LT 0.01	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	LT 0.01	LT 0.01
Cyanide (mg/l)	1.900	0.09	0.062	NA	NA	(2)	NA	0.18	0.18	NA	NA	NA	NA
Iron (mg/l)	-	NA	86	79	83	(2)	90	NA	41	40	46	54	52
Lead (mg/l)	0.600	LT 0.005	LT 0.005	LT 0.005	LT 0.005	(2)	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	1.8	1.4	1.8	(2)	2.0	NA	9.7	8.6	7.9	8.2	7.5
Mercury (mg/l)	0.010	LT 0.0002	LT 0.0002	NA	LT 0.0005	(2)	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	-	LT 0.05	LT 0.05	LT 0.05	LT 0.05	(2)		LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	2.100	LT 0.05	LT 0.05	LT 0.05	LT 0.025	(2)	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	0.500	LT 0.01	LT 0.01	LT 0.01	LT 0.01	(2)	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	3.500	LT 0.01	LT 0.01	0.01	0.07	(2)	LT 0.05	LT 0.01	0.02	0.02	LT 0.05	LT 0.05	LT 0.05
SVOC'S (ug/l)	(3)	63	70	NA	73.1	(2)	ND	79	55	NA	122.5	NA	110
Pesticides	(4)	NA	NA	ND	NA	(2)	ND	NA	NA	ND	NA	NA	ND

	RECOVERY WELL OBG-2						RECOVERY WELL OBG-3					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	12/29/99	1/28/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01
PCBs (ug/l)	5.9	7.6	5.3	1.01	6.04	8.4	LT 0.50	LT 0.50	LT 0.51	LT 0.50	LT 0.50	LT 0.50
Benzene (ug/l)	LT 500	LT 500	400	390	570	420	LT 500	88	LT 120	58	59	LT 50
Toluene (ug/l)	LT 500	LT 500	120	140	190	LT 75	LT 500	36	LT 120	LT 75	LT 75	LT 75
E-Benzene (ug/l)	LT 500	LT 500	86	140	180	75	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50
Xylene (ug/l)	LT 500	LT 500	LT 50	42	LT 50	LT 50	LT 500	LT 25	LT 120	LT 50	LT 50	LT 50
TCE (ug/l)	670	540	350	82	420	LT 50	7100	4300	1800	450	120	98
1,2 DCE (ug/l)	19000	11000	3200	4800	6100	3300	9200	4900	3500	3600	2900	5400
V.Chloride (ug/l)	2300	1100	390	430	810	390	LT 1000	180	LT 250	180	230	490
Chlorobenzene (ug/l)	LT 500	LT 500	220	250	340	230	LT 500	44	LT 120	LT 180	77	LT 50
Chloroform (ug/l)	LT 500	LT 500	LT 50	LT 38	LT 75	LT 75	LT 500	LT 25	LT 120	LT 75	LT 75	LT 75
Acetone (ug/l)	LT 10000	LT 10000	LT 1000	LT 250	LT 500	LT 500	LT 10000	LT 500	LT 2500	LT 500	LT 500	LT 500
Acrolein (ug/l)	NA	NA	LT 50	LT 620	LT 1200	LT 1200	NA	NA	LT 120	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	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005
Cadmium (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	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	LT 0.01	LT 0.01
Chromium (VI) (mg/l)	LT 0.01	LT 0.01	NA	NA	NA	NA	LT 0.01	LT 0.01	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	0.03	0.01	LT 0.01
Cyanide (mg/l)	0.18	0.12	NA	NA	NA	NA	0.02	0.028	NA	NA	NA	NA
Iron (mg/l)	NA	71	74	73	78	70	NA	41	53	53	62	60
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	0.016	LT 0.005	LT 0.005
Manganese (mg/l)	NA	6.9	5.8	6.5	6.9	5.6	NA	8.9	9.8	8.3	9.6	11
Mercury (mg/l)	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	0.026	LT 0.025
Silver (mg/l)	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	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 0.01	0.01	LT 0.01	0.15	0.05	0.05
SVOC'S (ug/l)	217	255	NA	371.3	NA	26	ND	18	NA	18	NA	46
Pesticides	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND

	RECOVERY WELL BEI-1						RECOVERY WELL BEI-2						RECOVERY WELL BEI-3					
	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6	Event #1	Event #2	Event #3	Event #4	Event #5	Event #6
Sample Date	(2)	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	12/6/01	12/29/99	1/27/00	6/29/00	3/21/01	9/24/01	9/24/01
PCBs (ug/l)	(2)	2.0	5.2	0.953	6.39	4.2	8.2	7.8	3.0	LT 0.5	2.586	1.88	3.3	3.4	4.5	0.867	4.42	1.28
Benzene (ug/l)	(2)	88	LT 500	LT 100	LT 200	LT 200	230	LT 250	LT 120	120	LT 100	140		LT 500	LT 250	LT 50	LT 50	LT 100
Toluene (ug/l)	(2)	360	890	860	1200	1100	2200	940	240	78	LT 150	220	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
E-Benzene (ug/l)	(2)	700	1000	1100	1200	1400	4000	1700	430	290	220	480	6.7	LT 500	LT 250	LT 50	83	LT 100
Xylene (ug/l)	(2)	LT 50	LT 500	LT 100	LT 200	LT 200	87	LT 250	LT 120	LT 50	LT 100	LT 100	LT 5.0	LT 500	LT 250	LT 50	LT 50	LT 100
TCE (ug/l)	(2)	7500	17000	13000	20000	20000	3800	4200	800	160	300	540	14000	13000	7200	2600	4600	2400
1,2 DCE (ug/l)	(2)	21000	11000	12000	14000	20000	77000	30000	8400	7400	5900	14000	590	1400	2900	3400	6400	7400
V.Chloride (ug/l)	(2)	850	LT 1000	490	800	800	8200	3900	1000	840	850	2000	17	LT 1000	LT 500	LT 100	160	LT 200
Chlorobenzene (ug/l)	(2)	LT 50	LT 500	LT 350	LT 200	LT 200	80	LT 250	LT 120	LT 180	LT 100	100	LT 5.0	LT 500	LT 250	LT 180	LT 50	LT 100
Chloroform (ug/l)	(2)	LT 50	LT 500	LT 150	LT 300	LT 300	LT 50	LT 250	LT 120	LT 75	LT 150	LT 150	LT 5.0	LT 500	LT 250	LT 75	LT 75	LT 150
Acetone (ug/l)	(2)	LT 1000	LT 10000	LT 1000	LT 2000	LT 2000	LT 1000	LT 5000	LT 2500	LT 500	LT 1000	LT 1000	LT 100	LT 10000	LT 5000	LT 500	LT 500	LT 1000
Acrolein (ug/l)	(2)	NA	LT 500	LT 2500	LT 5000	LT 5000	NA	NA	LT 120	LT 1200	LT 2500	LT 2500	NA	NA	LT 250	LT 1200	LT 1200	LT 2500
Arsenic (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.012	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
Cadmium (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	LT 0.005	LT 0.01	LT 0.01	LT 0.01	LT 0.005	LT 0.005	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	0.01	LT 0.01	0.01	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	LT 0.01	LT 0.01	NA	NA	NA	NA	LT 0.01	LT 0.01	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	0.08	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	0.01	0.049	NA	NA	NA	NA	LT 0.01	LT 0.01	NA	NA	NA	NA
Iron (mg/l)	(2)	26	47	45	60	41	NA	55	210	58	58	55	NA	1.4	0.86	1.3	2.4	2.4
Lead (mg/l)	(2)	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.005	0.022	0.008	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	9.2	7.9	7.5	7.6	8.6	NA	1.6	3.5	5.3	6.8	8.0
Mercury (mg/l)	(2)	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005	LT 0.0002	LT 0.0002	NA	LT 0.0005	LT 0.0005	LT 0.0005
Molybdenum (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	0.06	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05
Nickel (mg/l)	(2)	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025	LT 0.05	LT 0.05	LT 0.05	LT 0.025	LT 0.025	LT 0.025
Silver (mg/l)	(2)	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.007	LT 0.007
Zinc (mg/l)	(2)	LT 0.01	LT 0.01	0.06	LT 0.05	LT 0.05	LT 0.01	LT 0.01	LT 0.01	LT 0.05	LT 0.05	LT 0.05	0.01	0.02	0.01	0.14	0.05	0.05
SVOC'S (ug/l)	(2)	68	NA	67.9	NA	82	101	72	NA	74.2	NA	68	ND	ND	NA	ND	NA	13.1
Pesticides	(2)	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA	NA	

Notes:

1. Samples for events 1, 2, and 3 collected by OBG Operations and analyzed by OBG Laboratories.
   Samples for events 4 , 5, and 6 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
5. ND = Not Detected
6. NA = Not Analyzed
7. LT = Less Than

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2/5/02

TABLE 2
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER TREATMENT PLANT
TOTAL VOC'S In TREATED EFFLUENT [1]

Date	VOCs mg/l		Date	VOCs mg/l		Date	VOCs mg/l		Date	VOCs mg/l
15-Dec-99	0.0278		6-Apr-00	0.0226		17-Aug-00	0.1570		31-Jan-01	0.1124
20-Dec-99	0.0246		7-Apr-00	0.0222		18-Aug-00	0.1145		9-Feb-01	0.1825
21-Dec-99	0.0230		12-Apr-00	0.0193		21-Aug-00	0.1164		15-Feb-01	0.1166
22-Dec-99	0.0297		14-Apr-00	0.0283		22-Aug-00	0.1131		22-Feb-01	0.1165
27-Dec-99	0.0498		18-Apr-00	0.0231		23-Aug-00	0.0773		1-Mar-01	0.2344
28-Dec-99	0.0440		19-Apr-00	0.0303		24-Aug-00	0.2819		15-Mar-01	0.1230
29-Dec-99	0.0412		20-Apr-00	0.0342		25-Aug-00	0.1157		22-Mar-01	0.2648
30-Dec-99	0.0692		21-Apr-00	0.0344		30-Aug-00	0.1671		29-Mar-01	0.1526
5-Jan-00	0.0255		25-Apr-00	0.0188		31-Aug-00	0.1136		5-Apr-01	0.6568
6-Jan-00	0.0328		26-Apr-00	0.0168		1-Sep-00	0.1244		12-Apr-01	0.3565
7-Jan-00	0.0533		27-Apr-00	0.0139		6-Sep-00	0.1213		19-Apr-01	0.3531
10-Jan-00	0.0817		28-Apr-00	0.0286		7-Sep-00	0.1073		25-Apr-01	1.3532
11-Jan-00	0.2229		8-Jun-00	0.1110		8-Sep-00	0.0958		3-May-01	0.1455
12-Jan-00	0.4127		9-Jun-00	0.1489		11-Sep-00	0.0647		11-May-01	0.1571
26-Jan-00	0.3178		13-Jun-00	0.1164		12-Sep-00	0.1216		18-May-01	0.2865
27-Jan-00	0.2669		14-Jun-00	0.1732		14-Sep-00	0.1170		24-May-01	0.1359
28-Jan-00	0.1470		15-Jun-00	0.2142		15-Sep-00	0.1324		31-May-01	0.2743
1-Feb-00	0.2850		16-Jun-00	0.1660		18-Sep-00	0.1039		6-Jun-01	0.1559
2-Feb-00	0.2383		19-Jun-00	0.1860		19-Sep-00	0.0905		14-Jun-01	0.1453
8-Feb-00	0.2529		20-Jun-00	0.1526		20-Sep-00	0.1062		21-May-01	0.3816
9-Feb-00	0.1366		21-Jun-00	0.2050		21-Sep-00	0.1377		27-May-01	0.1675
3-Mar-00	0.2405		22-Jun-00	0.2077		22-Sep-00	0.1176		6-Jul-01	0.1330
6-Mar-00	0.1009		23-Jun-00	0.1642		25-Sep-00	0.0856		13-Jul-01	0.1103
7-Mar-00	0.1303		27-Jun-00	0.1423		26-Sep-00	0.0995		22-Aug-01	0.0594
8-Mar-00	0.1149		29-Jun-00	0.1429		5-Oct-00	0.2419		29-Aug-01	0.0574
9-Mar-00	0.2446		13-Jul-00	0.1268		12-Oct-00	0.1143		5-Sep-01	0.0564
10-Mar-00	0.1234		14-Jul-00	0.1369		20-Oct-00	0.0991		12-Sep-01	1.3591
13-Mar-00	0.1085		18-Jul-00	0.1083		26-Oct-00	0.0650		19-Sep-01	0.2320
14-Mar-00	0.0710		21-Jul-00	0.1651		2-Nov-00	0.0180		27-Sep-01	0.1409
15-Mar-00	0.1164		25-Jul-00	0.1258		9-Nov-00	0.5070		2-Oct-01	0.1667
16-Mar-00	0.0945		26-Jul-00	0.1234		17-Nov-00	0.0770		11-Oct-01	1.3173
17-Mar-00	0.0630		27-Jul-00	0.1524		21-Nov-00	0.1070		17-Oct-01	0.0943
21-Mar-00	0.0792		28-Jul-00	0.1809		1-Dec-00	0.1540		24-Oct-01	0.0821
22-Mar-00	0.8460		3-Aug-00	0.1465		7-Dec-00	0.1160		1-Nov-01	0.8157
23-Mar-00	0.0865		4-Aug-00	0.1902		13-Dec-00	0.1410		8-Nov-01	0.2346
24-Mar-00	0.0120		7-Aug-00	0.0933		20-Dec-00	0.1220		14-Nov-01	0.3577
30-Mar-00	0.0282		8-Aug-00	0.1059		28-Dec-00	0.0880		21-Nov-01	0.3918
31-Mar-00	0.0245		10-Aug-00	0.0724		5-Jan-01	2.6020		29-Nov-01	0.1519
3-Apr-00	0.0286		11-Aug-00	0.0872		10-Jan-01	0.6700		6-Dec-01	0.3660
4-Apr-00	0.0227		14-Aug-00	0.0772		17-Jan-01	0.9320		12-Dec-01	0.1655
5-Apr-00	0.0277		15-Aug-00	0.0903		24-Jan-01	2.3500		27-Dec-01	0.0817
			16-Aug-00	0.1128						

Notes:
1. Concentrations shown include estimated concentrations.
2. Discharge Limitation = 2.0 mg/l for Total Toxic Organics and 4.0 mg/l for Acrolein.

TABLE 3
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER TREATMENT PLANT
TOTAL PCB'S In TREATED EFFLUENT [2]

Date	PCBs mg/l		Date	PCBs mg/l		Date	PCBs mg/l
15-Dec-99	ND		14-Jul-00	ND		13-Dec-00	ND
20-Dec-99	ND		18-Jul-00	ND		20-Dec-00	ND
21-Dec-99	ND		21-Jul-00	ND		28-Dec-00	ND
22-Dec-99	ND		25-Jul-00	ND		5-Jan-01	0.0014
27-Dec-99	ND		26-Jul-00	ND		10-Jan-01	ND
28-Dec-99	ND		27-Jul-00	ND		17-Jan-01	ND
29-Dec-99	ND		28-Jul-00	ND		24-Jan-01	ND
30-Dec-99	ND		3-Aug-00	ND		31-Jan-01	ND
5-Jan-00	ND		4-Aug-00	ND		9-Feb-01	ND
6-Jan-00	ND		7-Aug-00	ND		15-Feb-01	ND
7-Jan-00	ND		8-Aug-00	ND		22-Feb-01	ND
10-Jan-00	ND		10-Aug-00	ND		1-Mar-01	ND
11-Jan-00	ND		11-Aug-00	ND		15-Mar-01	ND
12-Jan-00	ND		14-Aug-00	ND		22-Mar-01	ND
26-Jan-00	ND		15-Aug-00	ND		29-Mar-01	ND
27-Jan-00	ND		16-Aug-00	ND		5-Apr-01	ND
28-Jan-00	ND		17-Aug-00	ND		12-Apr-01	ND
1-Feb-00	ND		18-Aug-00	ND		19-Apr-01	ND
2-Feb-00	ND		21-Aug-00	ND		25-Apr-01	ND
8-Feb-00	ND		22-Aug-00	ND		3-May-01	ND
9-Feb-00	ND		23-Aug-00	ND		11-May-01	ND
3-Mar-00	ND		24-Aug-00	ND		18-May-01	ND
6-Mar-00	ND		25-Aug-00	ND		24-May-01	ND
7-Mar-00	ND		30-Aug-00	ND		31-May-01	ND
8-Mar-00	ND		31-Aug-00	ND		6-Jun-01	ND
9-Mar-00	ND		1-Sep-00	ND		14-Jun-01	ND
10-Mar-00	ND		6-Sep-00	ND		21-May-01	ND
13-Mar-00	ND		7-Sep-00	ND		27-May-01	ND
14-Mar-00	ND		8-Sep-00	ND		6-Jul-01	ND
15-Mar-00	ND		11-Sep-00	ND		13-Jul-01	ND
16-Mar-00	ND		12-Sep-00	ND		22-Aug-01	ND
17-Mar-00	ND		14-Sep-00	ND		29-Aug-01	ND
21-Mar-00	ND		15-Sep-00	ND		5-Sep-01	ND
22-Mar-00	ND		18-Sep-00	ND		12-Sep-01	ND
23-Mar-00	ND		19-Sep-00	ND		19-Sep-01	0.0014
24-Mar-00	ND		20-Sep-00	ND		27-Sep-01	ND
8-Jun-00	ND		21-Sep-00	ND		2-Oct-01	ND
9-Jun-00	ND		22-Sep-00	ND		11-Oct-01	ND
13-Jun-00	ND		25-Sep-00	0.00078		17-Oct-01	ND
14-Jun-00	ND		26-Sep-00	ND		24-Oct-01	0.0022
15-Jun-00	ND		5-Oct-00	0.0065		1-Nov-01	ND
16-Jun-00	ND		12-Oct-00	0.00078		8-Nov-01	ND
19-Jun-00	ND		20-Oct-00	0.00094		14-Nov-01	ND
20-Jun-00	ND		26-Oct-00	ND		21-Nov-01	ND
21-Jun-00	ND		2-Nov-00	ND		29-Nov-01	ND
22-Jun-00	ND		9-Nov-00	ND		6-Dec-01	0.00079
23-Jun-00	ND		17-Nov-00	ND		12-Dec-01	ND
27-Jun-00	ND		21-Nov-00	ND		27-Dec-01	ND
29-Jun-00	ND		1-Dec-00	ND			
13-Jul-00	ND		7-Dec-00	ND			

Notes:
1. ND = Non Detect
2. Discharge Limitation = 0.005 mg/l.

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TABLE 4
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER ANALYSIS
ORGANIC COMPOUND COMPARATIVE EVALUATION

Monitoring Well	Location		Winter 1999 / 2000 Baseline Sampling Event					Spring 2001 Quarterly Sampling Event					Summer 2001 Quarterly Sampling Event			Fall 2001 Quarterly Sampln Event			Winter 2001 Quarterly Sampling Event		
	Set[2]	Group	VOCs ug/l	PCBs ug/l	PCBs / VOCs	SVOCs ug/l	SVOCs / VOCs	VOCS ug/l	PCBs ug/l	PCBs / VOCs	SVOCs ug/l	SVOCs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs	VOCs ug/l	PCBs ug/l	PCBs / VOCs
MW - 2	B	Shallow Bedrock	3440.0	17.00	0.49%	134.6	3.91%	2181.0	8.61	0.39%	47.5	2.18%	905.0	5.9	0.65%	1139.0	R		963.0	ND	
MW - 4	C	Shallow Bedrock	1271.9	ND		ND		1034.2	ND		ND		1113.2	NS		1149.0	ND		753.9	ND	
MW - 4A	C	Overburden	1.8	ND		ND		ND	ND		ND		ND	NS		82.6	ND		3.1	ND	
MW - 5	C	Shallow Bedrock	ND	ND		ND		6.8	ND		ND		3.6	NS		3.9	ND		3.6	ND	
MW - 5A	C	Overburden	ND	ND		ND		ND	ND		ND		2.0	NS		2.2	ND		ND	ND	
MW - 6	C	Shallow Bedrock	4837.2	ND		5.6	0.12%	2950.0	ND		ND		3998.0	NS		2137.0	ND		4533.0	ND	
MW - 6A	C	Overburden	1835.1	0.12	0.01%	4.6	0.25%	314.5	ND		ND		158.0	NS		173.0	ND		331.5	ND	
MW - 8	D	Shallow Bedrock	ND	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
MW - 8A	D	Overburden	ND	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
MW-10	D	Shallow Bedrock	NS	NS		NS		12.9	ND		ND		27.6	NS		22.9	ND		5.4	ND	
MW-10A	D	Overburden	NS	NS		NS		8.6	ND		ND		17.9	NS		1.5	ND		ND	ND	
MW-10B	D	Shallow Bedrock	NS	NS		NS		13.6	ND		ND		33.8	NS		15.0	ND		4.7	ND	
MW-12AR	A	Overburden	NS	NS		NS		205.5	ND		47.9	23.31%	217.3	ND		132.7	2.26	1.70%	NS		
MW - 13	A	Shallow Bedrock	991.6	0.26	0.03%	ND		7.1	ND		ND		2.1	NS		13.1	ND		26	ND	
MW - 13A	A	Overburden	28.8	0.31	1.07%	ND		10.2	ND		ND		4.1	NS		14.3	ND		32.0	ND	
MW - 14	B	Overburden	639.5	0.83	0.13%	91.6	14.32%	965.0	ND		63.1	6.54%	974.0	ND		365.5	ND		117.0	ND	
MW - 15	B	Overburden	14.5	1.50	10.36%	8.8	60.77%	126.9	3.70	2.92%	6.0	4.73%	125.9	ND		48.8	R		192.6	ND	
MW - 16	B	Overburden	5.1	0.90	17.54%	ND		ND	ND		ND		ND	ND		ND	ND		0.62	ND	
MW - 17	A	Shallow Bedrock	36.4	ND		15.0		1.2	ND		ND		20.2	NS		18.4	ND		28.8	ND	
MW - 24	B	Shallow Bedrock	3843.3	47.00	1.22%	66.9	1.74%	6530.0	36.70	0.56%	39.8	0.61%	3480.0	ND		6370.0	R		6040.0	ND	
MW - 22A	A	Overburden	1782.0	25.20	1.41%	2231.3	125.21%	539.2	ND		229.7	42.60%	96.1	NS		408.6	61.2	14.98%	NS		
GCA - 1	A	Shallow Bedrock	13946.0	14.00	0.10%	247.4	1.77%	172.9	ND		26.6	15.38%	229.6	ND		321.9	5.83	1.81%	284.5	2.53	0.89%
ECJ 1 (37)	A	Shallow Bedrock	2297.6	1.10	0.05%	36.1	1.57%	109.0	2.85	2.61%	ND		64.0	2.08	3.25%	83.0	1.12		18.0	1.82	10.11%
ECJ 1 (62)	A	Shallow Bedrock	72950.1	0.52	0.00%	118.0	0.16%	9410.0	0.75	0.01%	ND		5383.0	ND		3180.0	R		1860.0	ND	
ECJ 1 (72)	A	Shallow Bedrock	145337.1	ND		152.4	0.10%	26780.0	ND		21.0	0.08%	37050.0	ND		38330.0	ND		41770.0	ND	
ECJ 1 (122)	A	Intermed Bedrock	71911.5	ND		100.5	0.14%	8532.0	ND		188.9	2.21%	8220.0	1.56	0.02%	6670.0	R		13263.0	ND	
ECJ 1 (148)	A	Intermed Bedrock	36477.2	0.44	0.00%	109.4	0.30%	74600.0	ND		182.6	0.24%	104600.0	ND		16270.0	R		18520.0	ND	
ECJ 1 (267)	A	Deep Bedrock	160.5	ND		5.9	3.68%	52.1	ND		ND		39.8	ND		37.5	ND		52.5	ND	
ECJ 4 (62)	D	Shallow Bedrock	0.6	ND		ND		ND	ND		ND		13.0	ND		ND	ND		ND	ND	
ECJ 4 (87)	D	Intermed Bedrock	0.6	ND		ND		0.7	ND		ND		ND	ND		ND	ND		ND	ND	
ECJ 4 (132)	D	Intermed Bedrock	1.5	ND		ND		ND	ND		ND		ND	ND		ND	ND		ND	ND	
ECJ 4 (162)	D	Intermed Bedrock	16.7	ND		3.5	21.00%	11.8	ND		ND		5.9	ND		7.1	ND		16.0	ND	
ECJ 4 (227)	D	Deep Bedrock	7.0	ND		ND		4.3	ND		ND		5.7	ND		4.3	ND		4.9	ND	
ECJ 4 (245)	D	Deep Bedrock	15.4	ND		ND		5.1	ND		ND		3.7	ND		3.3	ND		8.4	ND	
ECJ 2 (47)	C	Shallow Bedrock	2533.0	ND		3.2	0.13%	1920.0	ND		ND		2468.0	ND		1511.0	ND		2171.0	ND	
ECJ 2 (82)	C	Intermed Bedrock	15942.0	ND		4.4	0.03%	16080.0	ND		ND		23990.0	NS		15740.0	ND		18810.0	ND	
ECJ 2 (117)	C	Intermed Bedrock	55380.0	ND		8.8	0.02%	29730.0	ND		ND		51600.0	ND		37600.0	ND		48800.0	ND	
ECJ 2 (152)	C	Intermed Bedrock	400.4	ND		ND		4594.0	ND		9.0	0.20%	6180.0	ND		11330.0	ND		19570.0	ND	
ECJ 2 (187)	C	Deep Bedrock	3605.8	ND		2.6	0.07%	4440.0	ND		9.8	0.22%	76.4	NS		43460.0	ND		5200.0	ND	
ECJ-3 (51)	B	Shallow Bedrock	NS	NS		NS		15.0	ND		ND		ND	ND		12	ND		0.64	ND	
ECJ-3 (91)	B	Shallow Bedrock	NS	NS		NS		ND	ND		ND		1.0	ND		ND	ND		1.1	ND	
ECJ-3 (126)	B	Intermed Bedrock	NS	NS		NS		ND	ND		ND		0.96	ND		0.86	ND		1.2	ND	
ECJ-3 (146)	B	Intermed Bedrock	NS	NS		NS		NS	NS		NS		NS	NS		ND	ND		ND	ND	

Prepared by Mabbett & Associates, Inc. for
O'Brien & Gere Engineers, Inc.
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2/5/02

TABLE 5
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER TREATMENT PLANT
TOTAL SVOCS in TREATED EFFLUENT [2]

Date	SVOCs mg/l		Date	SVOCs mg/l
15-Dec-99	ND		13-Mar-00	ND
20-Dec-99	ND		21-Mar-00	ND
22-Dec-99	ND		29-Jun-00	ND
27-Dec-99	ND		26-Sep-00	ND
28-Dec-99	ND		5-Oct-00	0.027
29-Dec-99	ND		7-Dec-00	0.010
30-Dec-99	ND		10-Jan-01	0.018
5-Jan-00	ND		22-Feb-01	0.012
6-Jan-00	ND		29-Mar-01	0.150
7-Jan-00	0.014		5-Apr-01	0.025
10-Jan-00	ND		3-May-01	0.006
11-Jan-00	0.018		6-Jun-01	0.007
12-Jan-00	ND		6-Jul-01	0.001
26-Jan-00	ND		22-Aug-01	0.003
1-Feb-00	ND		5-Sep-01	0.009
8-Feb-00	0.033		2-Oct-01	0.004
3-Mar-00	ND		14-Nov-01	0.002
6-Mar-00	ND		6-Dec-01	0.004

Notes:
1. ND = Non Detect
2. Discharge Limitation = 2.0 mg/l Total Toxic Organics

TABLE 6
SULLIVAN'S LEDGE SUPERFUND SITE
GROUNDWATER TREATMENT PLANT
TOTAL PESTICIDES in TREATED EFFLUENT

Date	Pesticides mg/l		Date	Pesticides mg/l
15-Jun-00	ND		15-Sep-00	ND
22-Jun-00	ND		22-Sep-00	ND
29-Jun-00	ND		25-Sep-00	ND
25-Jul-00	ND		5-Oct-00	ND
28-Jul-00	ND		12-Oct-00	ND
10-Aug-00	ND		20-Oct-00	ND
18-Aug-00	ND		14-Nov-01	ND
25-Aug-00	ND		29-Nov-01	ND
30-Aug-00	ND		6-Dec-01	ND
8-Sep-00	ND		12-Dec-01	ND

Notes:
1. ND = Non Detect

O'BRIEN & GERE
ENGINEERS, INC.

March 8, 2002

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 2001

File: 5509/28602 #2

Dear Dave:

Please find enclosed for your review the Quarterly Ground Water Sampling Event – Winter 2001. 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

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Attachment

cc: S. Wood, E. Bertaut, R. Connors, E. Vaughn, D. Dwight, S. Alfonse, M. Wade, P. Steinberg, G. Swenson