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EE/CA and RI/FS Support Sampling Plan

Sauget Area 1

Sauget and Cahokia, Illinois

Data Report

January 2001

Submitted To:

U.S. Environmental Protection Agency
Chicago, Illinois

Submitted By:

Solutia Inc.
St. Louis, Missouri

Sauget Area 1, Sauget and Cahokia, Illinois

EE/CA and RI/FS Support Sampling Data Report

Volume 1 Groundwater, Soil, Surface Water, Sediment, Waste, Air and Biota Data Tables and Maps

143131

SOLUTIA

Applied Chemistry, Creative Solutions

Solutia Inc.
575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760
St. Louis, Missouri 63166-6760
Tel 314-674-1000

January 8, 2001

Mr. Michael McAteer (3 copies)
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Re: Sauget Sites Area I January 21, 1999 Administrative Order by Consent June 25, 1999 Support Sampling Plan as approved by letter dated September 9, 1999
- **Data Report Submittal**

Dear Mr. McAteer,

Pursuant to Section V. "Order", Paragraph 2.3 "RI/FS Report", of the Sauget Sites Area I January 21, 1999 Administrative Order by Consent and the June 25, 1999 Support Sampling Plan as approved by letter dated September 9, 1999, and consistent with Task 3 "Data Report" of the SOW for EECA/RIFS, Solutia hereby submits the **Data Report**. The Data Report is in table form summarizing the sampling results from the EECA and RIFS Support Sampling.

Paragraph 7. "Schedule for EE/CA Submission" of the SOW for the EECA/RIFS requires that "..within 10 days of the submittal of the Data Report (Task 3), Respondents shall present at a meeting the alternatives to undergo a more detailed analysis". At a December 6, 2000 meeting with the Agencies at the Sauget Village Hall, Solutia presented a preliminary list of alternatives to undergo further analysis. In total fulfillment of this requirement, Solutia recommends that we have another discussion of the "alternatives which will be analyzed further" at our currently scheduled January 24 meeting.

Sincerely,

D. M. Light
Manager, Remedial Projects
Solutia Inc.

cc: (w/attachments)

Candy Morin - Illinois Environmental Protection Agency
Kevin de la Bruere - U.S. Fish and Wildlife Service
Mike Henry - Illinois Department of Natural Resources
Tim Gouger (3 copies) - U.S. Army Corps of Engineers
Thomas Martin - U.S. EPA

EE/CA and RI/FS Support Sampling Plan

Sauget Area 1

Sauget and Cahokia, Illinois

Data Report

January 2001

Submitted To:

U.S. Environmental Protection Agency
Chicago, Illinois

Submitted By:

Solutia Inc.
St. Louis, Missouri

10040/25501

DATA TABLES AND FIGURES

Solutia Area 1 Support Sampling Project

Solutia, Inc.
St. Louis, Missouri

Robert J. Januska, P.E.
Vice President

August 2000

O'BRIEN & GERE ENGINEERS, INC.

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Section 1

SECTION 1

Ground Water

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	1.2 J	10 U	1.4 J	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	1.2 J	10 U	1.2 J	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	0.39 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	1.9 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	5.7 J	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	3.7 J	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	5.9 J	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	5.9 J	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	2.4 J	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	0.48 J	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	4.8 J	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	0.52 J	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	1.0 U	1.0 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	5.6 J	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	0.69 J	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	0.48	37.5	ND	2.4	ND	2.6	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	15	21	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	1.4 J	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	7.3 J	9.5 J	2.5 J	2 J	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	1.0 J	5.6 J	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	0.5 J	0.65 J	0.38 J	0.4 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.6 J	1.8 U	1.8 U	1.8 U	4.7	0.75 J
Total Semivolatiles	ND	24.9	37.5	3	2.65	5.08	1.15

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	1.4 J	6.6 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	9.2 J
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	0.68 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	14 J
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	0.28 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	ND	ND	ND	ND	1.4	31.96

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

CONTINUED

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	6 J	4.2 J	1.8 J	10 U	10 U	10 U	0.78 J
1,3-Dichlorobenzene	0.98 J	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	8.2 J	5.8 J	2.5 J	10 U	10 U	10 U	0.92 J
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	0.62 J	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	14 J	1 J	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	0.9 J	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	3.4 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	0.26 J	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	29.8	11.26	4.3	ND	ND	0.9	1.7

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	1.5 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene	0.5 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.52 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Carbazole	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chrysene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	0.8 J	1.8 U	1.8 U	1.8 UJ	1.8 U	1.8 U
Total Semivolatiles	1.02	0.8	ND	ND	ND	ND	2.9

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	31	10 U	2500 D
1,2-Dichlorobenzene	10 U	1.8 J	10 U	0.89 J	4.4 J	10 U	680 D
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	0.36 J	10 U	94 J
1,4-Dichlorobenzene	10 U	10 U	10 U	1.1 J	20	10 U	2600 D
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	6.1 J
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	1.5 J
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	22 J
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	0.44 J	0.53 J	10 U	10 U	10 U	1.0 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	12 J
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	0.37 J	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	0.35 J	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	1.2 J	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	0.55 J	10 U
Benzo(g,h,i)perylene	10 U	10 U	2.2 J	10 U	10 U	3.4 J	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	2.4 J
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	0.26 J	0.34 J	0.32 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	2.4 J	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	0.31 J
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	0.58 J	10 U	10 U	10 U	10 U	0.38 J	10 U
Fluorene	1 U	1 U	1 U	1 U	0.58 J	1.0 U	1.9
Hexachlorobenzene	10 U	10 U	10 U	10 U	6.0 J	10 U	21
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	1.8 J	10 U	10 U	3.0 J	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	3.2 J
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Phenanthrene	2.3 J	10 U	10 U	10 U	10 U	0.74 J	2.9 J
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	3.3	0.86 J	2.0
Total Semivolatiles	2.88	2.24	4.53	1.99	65.9	13.59	5950.63

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	ug/l	ug/l dw	ug/l	ug/l dw	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	510	1200 D	1000 D	150	10 U	160	10 UJ
1,2-Dichlorobenzene	250 J	27	30	170	10 U	140	13 J
1,3-Dichlorobenzene	140 J	9.5 J	10	120	10 U	8.1 J	10 UJ
1,4-Dichlorobenzene	14000	1300 D	1000 D	2400 D	10 U	810 D	20 J
2,2'-Oxybis(1-Chloropropane)	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2,4,5-Trichlorophenol	500 U	7.8 J	8.0 J	4.1 J	10 U	23	10 UJ
2,4,6-Trichlorophenol	100 U	2.1 U	3.4	7.3	2.1 U	52	2.1 UJ
2,4-Dichlorophenol	57 J	29	29	35	10 U	69	10 UJ
2,4-Dinitrophenol	700 U	14 U	14 U	14 U	14 U	14 U	14 UJ
2,4-Dinitrotoluene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2,6-Dinitrotoluene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2-Chloronaphthalene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2-Chlorophenol	500 U	0.86 J	1.1 J	2.3 J	10 U	5.6 J	10 UJ
2-Methylnaphthalene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2-Methylphenol (o-cresol)	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
2-Nitroaniline	2500 U	50 U	50 U	50 U	50 U	50 U	50 UJ
2-Nitrophenol	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	1000 U	20 U	20 U	20 U	20 U	20 U	20 UJ
3-Methylphenol/4-Methylphenol	500 U	10 U	10 U	0.76 J	10 U	4.5 J	10 UJ
3-Nitroaniline	2500 U	50 U	50 U	50 U	50 U	50 U	50 UJ
4,6-Dinitro-2-methylphenol	650 U	13 U	13 U	13 U	13 U	14	13 UJ
4-Bromophenylphenyl ether	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 UJ
4-Chloro-3-methylphenol	500 U	10 U	10 U	1.0 J	10 U	10 U	10 UJ
4-Chloroaniline	1000 U	2.4 J	20 U	20	20 U	80	4100 JD
4-Chlorophenylphenyl ether	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
4-Nitroaniline	2500 U	50 U	50 U	50 U	50 U	50 U	50 UJ
4-Nitrophenol	2500 U	50 U	50 U	50 U	50 U	50 U	50 UJ
Acenaphthene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Acenaphthylene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Anthracene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)anthracene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(b)fluoranthene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	500 U	10 U	10 U	10 U	3.8 J	10 U	10 UJ
Benzo(k)fluoranthene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	ug/l	ug/l dw	ug/l	ug/l dw	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Carbazole	170 U	3.4 U	3.4 U	3.4 U	3.4 U	2.8 J	3.4 UJ
Chrysene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Di-n-butylphthalate	500 U	10 U	0.52 J	10 U	0.36 J	0.39 J	10 UJ
Di-n-octylphthalate	500 U	10 U	10 U	10 U	10 U	0.39 J	10 UJ
Dibenzo(a,h)anthracene	500 U	10 U	10 U	10 U	2.2 J	10 U	10 UJ
Dibenzofuran	500 U	10 U	10 U	1.1 J	10 U	10 U	10 UJ
Diethylphthalate	500 U	10 U	10 U	10 U	10 U	2.1 J	10 UJ
Dimethylphthalate	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Fluoranthene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Fluorene	50 U	1.2	0.89 J	4.2	1.0 U	7.0	1 UJ
Hexachlorobenzene	500 U	0.48 J	0.49 J	0.37 J	10 U	10 U	10 UJ
Hexachlorobutadiene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorocyclopentadiene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Hexachloroethane	95 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Indeno(1,2,3-cd)pyrene	500 U	10 U	10 U	10 U	2.0 J	10 U	10 UJ
Isophorone	500 U	10 U	10 U	10 U	10 U	0.75 J	10 UJ
N-Nitroso-di-n-propylamine	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
N-Nitrosodiphenylamine	250 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 UJ
Naphthalene	500 U	10 U	10 U	10 U	10 U	24	10 UJ
Nitrobenzene	180 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ
Pentachlorophenol	250 U	25	50	95	5.0 U	710 D	5 UJ
Phenanthrene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Phenol	500 U	10 U	10 U	10 U	10 U	27	10 UJ
Pyrene	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethoxy)methane	500 U	10 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethyl)ether	500 U	10 U	10 U	10 U	10 U	10 U	1.1 J
bis(2-Ethylhexyl)phthalate	90 U	1.8 U	3.0	2.0	2.6	32	0.69 J
Total Semivolatiles	14957	2603.24	2136.4	3013.13	10.96	2172.63	4134.79

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
1,2-Dichlorobenzene	130	320 JD	310	66 J	91	10 U	19
1,3-Dichlorobenzene	110	280	290 JD	200 J	210	10 U	130
1,4-Dichlorobenzene	4400 D	10000 D	6700 D	8100	6100 D	10 U	3100
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	100 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	500 U	42	10 U	8.8 J
2,4-Dinitrophenol	14 U	14 U	14 U	700 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2-Chlorophenol	5.5 J	13	16	500 U	39	10 U	52
2-Methylnaphthalene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	3 J	10 U	500 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	2500 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	500 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	1000 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	500 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	2500 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	650 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	50 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	500 U	10 U	10 U	10 U
4-Chloroaniline	2400 D	1400 JD	1700 D	520 J	180	20 U	18 J
4-Chlorophenylphenyl ether	10 U	10 U	10 U	500 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	2500 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	2500 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	500 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Carbazole	1.4 J	5	12	170 U	13	3.4 U	3.4 U
Chrysene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	0.34 J	500 U	10 U	10 U	0.51 J
Di-n-octylphthalate	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	19 J	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	5.1 J	500 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	22 J	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	50 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	95 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	500 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	500 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.3	14	22	250 U	28	5 U	18
Naphthalene	4.2 J	15	24	500 U	1.9 J	10 U	0.57 J
Nitrobenzene	3.5 U	3.5 U	3.5 U	180 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5 U	250 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	0.47 J	89 J	0.5 J	10 U	10 U
Phenol	10 U	4.4 J	10 U	500 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	500 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	500 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	500 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	90 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	7056.4	12054.4	9079.91	9016	6705.4	ND	3346.88

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	2700	2300 D	980	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	500	390 D	170 J	10 U	140	120	48
1,3-Dichlorobenzene	80 J	63 JD	150 J	10 U	120	150	150
1,4-Dichlorobenzene	6900	5800 D	9700	92	4200 D	4900 D	2900 D
2,2'-Oxybis(1-Chloropropane)	400 U	10 U	400 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	400 U	1.8 J	400 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	84 U	2.1 U	84 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	400 U	15	47 J	10 U	6.6 J	10 U	21
2,4-Dinitrophenol	560 U	14 U	560 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
2-Chlorophenol	400 U	10 U	400 U	10 U	5.3 J	31	84
2-Methylnaphthalene	400 U	1.3 J	400 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	400 U	10 U	400 U	10 U	10 U	10 U	10 U
2-Nitroaniline	2000 U	50 U	2000 U	50 U	50 U	50 U	50 U
2-Nitrophenol	400 U	10 U	400 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	800 U	20 U	800 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	400 U	10 U	400 U	10 U	10 U	10 U	10 U
3-Nitroaniline	2000 U	50 U	2000 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	520 U	13 U	520 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	40 U	1 U	40 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	400 U	10 U	400 U	10 U	10 U	10 U	10 U
4-Chloroaniline	800 U	20 U	800 U	21	680 D	340	130
4-Chlorophenylphenyl ether	400 U	10 U	400 U	10 U	10 U	10 U	10 U
4-Nitroaniline	2000 U	50 U	2000 U	50 U	50 U	50 U	50 U
4-Nitrophenol	2000 U	50 U	2000 U	50 U	50 U	50 U	50 U
Acenaphthene	400 U	0.33 J	400 U	10 U	10 U	10 U	10 U
Acenaphthylene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Anthracene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	400 U	10 U	400 U	0.59 J	10 U	10 U	10 U
Benzo(a)pyrene	400 U	10 U	400 U	0.98 J	10 U	10 U	10 U
Benzo(b)fluoranthene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	400 U	10 U	400 U	1.2 J	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Carbazole	140 U	13	140 U	10 U	10 U	10 U	10 U
Chrysene	400 U	10 U	400 U	0.73 J	10 U	10 U	10 U
Di-n-butylphthalate	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	400 U	10 U	400 U	1.1 J	0.85 J	10 U	10 U
Dibenzofuran	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Diethylphthalate	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Dimethylphthalate	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Fluoranthene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Fluorene	40 U	1 U	40 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	400 U	1 J	400 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Hexachloroethane	76 U	1.9 U	76 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
Isophorone	400 U	10 U	400 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	400 U	10 U	400 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	200 U	20	200 U	5 U	5 U	1.1 J	2.2 J
Naphthalene	400 U	66	400 U	10 U	10 U	1.3 J	38
Nitrobenzene	140 U	3.5 U	140 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	200 U	5 U	200 U	5 U	5 U	5 U	5 U
Phenanthrene	400 U	1.3 J	400 U	10 U	10 U	10 U	10 U
Phenol	400 U	10 U	400 U	10 U	10 U	10 U	6 J
Pyrene	400 U	10 U	400 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	400 U	10 U	400 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	400 U	10 U	400 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	72 U	1.8 U	72 U	1.8 U	1.8 U	0.51 J	1.8 U
Total Semivolatiles	10180	8672.73	11047	117.6	5152.75	5543.91	3379.2

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 UJ	33 J
1,2-Dichlorobenzene	59	71	1.6 J	10 U	10 U	10 UJ	21 J
1,3-Dichlorobenzene	130	160	40	10 U	50	41 J	81 J
1,4-Dichlorobenzene	3700 D	4500 D	510 D	10 U	560 D	610 JD	5300 JD
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 UJ
2,4-Dichlorophenol	10 U	10 U	1.2 J	10 U	2.0 J	5.9 J	39 J
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 UJ	14 UJ
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Chlorophenol	13	16	9.2 J	10 U	16	36 J	21 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ
3-Methylphenol/4-Methylphenol	10 U	1.7 J	10 U	10 U	10 U	10 UJ	10 UJ
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 UJ	13 UJ
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 UJ	1 UJ
4-Chloro-3-methylphenol	10 U	1.5 J	10 U	10 U	10 U	10 UJ	10 UJ
4-Chloroaniline	280	320	26	20 U	36	15 J	58 J
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Anthracene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 UJ	0.63 J
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	0.94 J	10 UJ	10 UJ
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Carbazole	3.4 U	10 U	3.4 U	3.4 U	3.4 U	3.4 UJ	3.4 UJ
Chrysene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Diethylphthalate	10 U	10 U	10 U	10 U	1.5 J	10 UJ	10 UJ
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Fluorene	1.0 U	5.4 J	1.0 U	1.0 U	1.0 U	1 UJ	1 UJ
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	0.66 J	10 UJ	10 UJ
Isophorone	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
N-Nitrosodiphenylamine	5.0 U	2.4 J	5.0 U	5.0 U	5.0 U	5 UJ	0.47 J
Naphthalene	7.6 J	8.7 J	5.9 J	10 U	9.1 J	20 J	11 J
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ	3.5 UJ
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 UJ	5 UJ
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Phenol	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Pyrene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	3.6	1.8 U	0.77 J	1.8 UJ	1.8 UJ
Total Semivolatiles	4189.6	5086.7	597.5	ND	676.97	727.9	5565.1

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	2.6 J	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 J	11	10 U	10 U	10 U	1.1 J	34
1,3-Dichlorobenzene	42 J	16	10 U	10 U	10 U	10 U	31
1,4-Dichlorobenzene	1300 JD	1000 D	10 U	10 U	10 U	36	1500 D
2,2'-Oxybis(1-Chloropropane)	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	16 J	10 U	10 U	10 U	10 U	10 U	20
2,4-Dinitrophenol	14 UJ	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	28 J	4.1 J	10 U	10 U	10 U	3 J	12
2-Methylnaphthalene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 UJ	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	21 J	75	20 U	20 U	3 J	36	170
4-Chlorophenylphenyl ether	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 UJ	10 U	10 U	1.3 J	10 U	10 U	0.36 J
Benzo(a)pyrene	10 UJ	10 U	0.45 J	2 J	10 U	10 U	0.98 J
Benzo(b)fluoranthene	10 UJ	10 U	0.3 J	1.7 J	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 UJ	10 U	10 U	2.2 J	10 U	10 U	0.74 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Compound	Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
	Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Butylbenzylphthalate		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole		3.4 UJ	3.4 U	10 U	10 U	10 U	10 U	10 U
Chrysene		10 UJ	10 U	10 U	1.5 J	10 U	10 U	10 U
Di-n-butylphthalate		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate		10 UJ	10 U	10 U	10 U	10 U	10 U	0.5 J
Dibenzo(a,h)anthracene		10 UJ	10 U	10 U	1.6 J	10 U	10 U	10 U
Dibenzofuran		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		0.58 J	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene		10 UJ	10 U	10 U	10 U	10 U	10 U	0.86 J
Isophorone		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine		5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene		16 J	2.5 J	10 U	10 U	10 U	1.5 J	6.8 J
Nitrobenzene		3.5 UJ	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol		5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Phenol		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether		10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate		1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles		1436.18	1108.6	0.75	10.3	3	77.6	1777.24

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	54	8.6 J	10 U	8.0 J	3.4 J	13	10
1,3-Dichlorobenzene	79	47	10 U	43	38	56	47
1,4-Dichlorobenzene	3200 D	1200 D	10 U	1500 D	790 D	290	250
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	32	6.4 J	10 U	12	9.2 J	4.1 J	3.5 J
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	22	20	10 U	34	28	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	100	22	20 U	22	12 J	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	2.3 J
Benzo(a)pyrene	10 U	10 U	0.035 J	10 U	10 U	10 U	3.4 J
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	3.8 J
Benzo(g,h,i)perylene	10 U	2.0 J	0.88 J	10 U	2.5 J	10 U	3.0 J
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	4.0 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	0.53 J
Carbazole	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	3.1 J
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	0.33 J	0.27 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	2.4 J
Dibenzo(a,h)anthracene	10 U	1.6 J	0.61 J	10 U	1.7 J	10 U	3.0 J
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	0.53 J	10 U	10 U	10 U	0.92 J
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	13	13	10 U	23	18	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	2.0 J	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	9.7 J	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.4
Total Semivolatiles	3502	1320.6	2.055	1651.7	902.8	363.43	340.62

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	0.42 J	10 U	0.49 J	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	9.3 J	3.0 J	4.8 J	3.9 J	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	5.6 J	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	2.1 J	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	0.58 J	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	0.42 J	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	0.31 J	0.29 J	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Naphthalene	10 U	1.9 J	10 U	1400 D	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	0.42 J
Phenol	10 U	10 U	10 U	2.1 J	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	3.8	1.0 J	2.7	1.3 J	1.8 U	1.8 U	1.8 U
Total Semivolatiles	13.83	6.19	8.99	1415	ND	ND	0.42

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	3.5 J	3.3 J	3.3 J	2 J	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	7 J	7.4 J	6.9 J	3.5 J	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	3.4 U	3.4 U	3.4 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	0.27 J	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	ND	10.5	10.97	10.2	5.5	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	3.9 J	5.8 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	11	10
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	0.25 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	ND	ND	ND	ND	14.9	16.05

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	3.8 J	3.4 J	0.86 J	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	7.9 J	8.6 J	0.95 J	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	11.7	12	1.81	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	0.53 J	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	1.3 J	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	5.3 J	1.2 J	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	0.32 J	10 U	10 U	10 U	10 U	0.43 J	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	0.48 J	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	0.32	ND	7.13	1.2	ND	0.91	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	9400 D	0.88 J	87000 D
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	29 J	10 U	140 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	36 J
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	210	10 U	960
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	200 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	120	10 U	150 J
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	42 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	63 J	10 U	97 J
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	280 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
2-Chlorophenol	10 U	10 U	10 U	10 U	11	10 U	12 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	19 J
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	4.1 J	10 U	200 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	1000 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	400 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	200 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	1000 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	260 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	200 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	400 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	200 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	1000 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	1000 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	200 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
Anthracene	10 U	10 U	10 U	10 U	0.76 J	10 U	8.7 J
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	0.83 J	200 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	1.6 J	200 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	1.7 J	200 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	2.2 J	200 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	2.8 J	2.2 J	200 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	1.2 J	10 U	200 U
Carbazole	10 U	10 U	10 U	10 U	1.0 J	3.4 U	68 U
Chrysene	10 U	10 U	10 U	10 U	5.4 J	1.4 J	120 J
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	200 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	0.64 J	200 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	3.0 J	2.1 J	200 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
Diethylphthalate	0.49 J	10 U	10 U	10 U	10 U	10 U	200 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	8.2 J
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	20 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	520 D	10 U	8400 D
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	200 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	R	10 U	200 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	38 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	2.4 J	200 U
Isophorone	10 U	10 U	10 U	10 U	0.43 J	10 U	200 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	200 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	3.3 J	5.0 U	26 J
Naphthalene	10 U	10 U	10 U	10 U	38	10 U	69 J
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ	3.5 U	70 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U
Phenanthrene	10 U	10 U	10 U	10 U	3.5 J	0.36 J	71 J
Phenol	10 U	10 U	10 U	10 U	48	10 U	51 J
Pyrene	10 U	10 U	10 U	10 U	3.1 J	10 U	75 J
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 UJ	10 U	200 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	200 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	3.9 U	2.7 J	36 U
Total Semivolatiles	0.49	ND	ND	ND	10467.59	19.01	97242.9

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	600 D	1100000 D	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	8.7 J	12000	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	1.2 J	1100	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	23	51000 D	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	1.0 J	1000 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	1700	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	1.3 J	2400	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	1400 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	670 J	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	5000 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	2000 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	5000 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	5000 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	3.2	100 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	14 J	2000 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	5000 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	5000 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	130 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	130 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	400 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	380 J	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	290 J	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	300 J	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	220 J	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	160 J	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	240 J	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	740 J	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	300 J	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	180 J	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	210 J	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	170 J	0.44 J	0.33 J	10 U	10 U	0.36 J
Fluorene	0.61 J	360	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.35 J	90000 D	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	190 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	240 J	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	760	5 U	5 U	5 U	5 U	5 U
Naphthalene	7.4 J	5800	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	140 J	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	500 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	790 J	0.38 J	10 U	10 U	10 U	10 U
Phenol	10 U	180 J	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	540 J	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	1000 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	420	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	660.76	1271950	0.82	0.33	ND	ND	0.36

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	5.2 J	1.1 J	1.2 J	10 U	10 U	10 U	3.5
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	20	22	10 U	7.1 J	10 U	10 U
Dimethylphthalate	10 U	3.5 J	3.8 J	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	0.41 J
Fluorene	30	1 U	1.5	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	7.6	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	2300 D	190	200	10 U	390 J	10 U	6.5 J
Nitrobenzene	3.5 U	52	61	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	4300 D	580 D	760 D	3 J	5 U	5 U	5 U
Phenanthrene	4.8 J	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	72	290	340	10 U	380 JD	10 U	19
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	0.74 J	1.8 U	1.8 U	1.8 U	1.8 U	0.79 J
Total Semivolatiles	11977.8	4042.84	4994.7	26.95	2607.8	ND	1560.24

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	19	290	340	10 U	1.6 J	10 U	0.55 J
1,2-Dichlorobenzene	720 D	200	240	2.2 J	5.7 J	10 U	3.9 J
1,3-Dichlorobenzene	10 U	4.7 J	6.2 J	10 U	1.9 J	10 U	13
1,4-Dichlorobenzene	2200 D	550 D	720 D	21	16	10 U	96
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	62	180	200	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	270	420 D	510 D	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	310	430 D	0.75 J	3.1 J	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	12	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	73	20	25	10 U	38	10 U	10
2-Methylnaphthalene	8 J	1.8 J	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	30	25	31	10 U	26	10 U	0.39 J
2-Nitroaniline	50 U	14 J	13 J	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	62	200	230	10 U	130	10 U	4.8 J
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	1800 D	690 D	860 D	20 U	1600 JD	20 U	1400 D
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	8.4 J	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	26	3.4 U	3.4 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	23	5 U	5 U	5 U	5 U	5 U
Naphthalene	10 U	36	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	500 D	5 U	5 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	17	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.1 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	17646.9	486.2	464.6	ND	68	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	510 D	10 U	10 U	10 U	10	10 U
1,2-Dichlorobenzene	10 U	500 D	24	24	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	45	11	11	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	14000 D	440 D	420 D	10 U	58	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	1.6 J	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	15	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	27	4.3 J	2 J	10 U	10 U	10 U
2-Methylnaphthalene	10 U	4.2 J	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	21	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	110	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	1800 D	6.9 J	7.6 J	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Fluorene	1 U	1 U	1 U	40 U	1 U	1 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	76 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	400 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	400 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5 U	5 U	200 U	5 U	5 U	5 U
Naphthalene	10 U	10 U	10 U	2100	28	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	140 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5 U	5 U	2000	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	14000 D	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	400 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	400 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	72 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	ND	395.37	49290	135.5	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	47	180 J	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	4.6 J	300 J	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	330	850	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	0.47 J	84 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	11	3600	26	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	560 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	2.3 J	630	21	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	230 J	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	2000 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	400 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	800 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	2400	5.5 J	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	2000 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	520 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1 U	1 U	40 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	400 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	23000 D	55	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	400 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	2000 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	2000 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	400 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	400 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 UJ
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	1.1 J	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	1.1	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	0.39 J	0.35 J	0.32 J	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	0.87 J	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	0.52 J	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	0.49 J	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	0.44 J	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	1.1 J	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Chrysene	10 U	10 U	10 U	10 U	0.70 J	10 U	10 U
Di-n-butylphthalate	10 U	10 U	0.37 J	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	0.66 J	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	ND	ND	0.76	0.35	6.7	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	R
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1 U	1.0 U	1.0 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	0.65 J	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.37 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	0.72 J	10 UJ	0.82 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	10 U	3.4 U	3.4 U	10 U	10 U	10 U
Chrysene	0.45 J	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	0.36 J
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	0.35 J
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.3	1 U	1.0 U	1.0 U	1 U	1 U	0.24 J
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	0.25 J
Naphthalene	10 U	10 U	100	98	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	0.70 J	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	4.19	ND	100.82	98	ND	ND	1.2

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	14 U	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	R	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	13 U	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	8.0 J	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	0.97 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-2
Solutia
Sauget Area 1
Ground Water
Method 8270C Semivolatile Organic Compound Data

Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	3.4 U	3.4 U	10 U	3.4 U	3.4 U	3.4 U	10 U
Chrysene	10 U	1.3 J	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5 U	5 U	5.0 UJ	5.0 U	5 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Pentachlorophenol	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Total Semivolatiles	8	2.27	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

	Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
	Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Decachlorobiphenyl		0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl		0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl		0.3 U	0.3 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Hexachlorobiphenyl		0.2 U	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl		0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl		0.5 U	0.5 U	0.50 U	0.18 J	0.50 U	0.50 U	0.50 U
Octachlorobiphenyl		0.3 U	0.3 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl		0.2 U	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachlorobiphenyl		0.2 U	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl		0.1 U	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs		ND	ND	ND	0.18	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Dichlorobiphenyl	0.10 U	0.10 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Heptachlorobiphenyl	0.30 U	0.30 UJ	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U
Hexachlorobiphenyl	0.20 U	0.20 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Monochlorobiphenyl	0.10 U	0.10 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Nonachlorobiphenyl	0.50 U	0.50 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.14 J
Octachlorobiphenyl	0.30 U	0.30 UJ	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U
Pentachlorobiphenyl	0.20 U	0.20 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Tetrachlorobiphenyl	0.20 U	0.20 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Trichlorobiphenyl	0.10 U	0.10 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	0.14

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.5 U	0.5 UJ
Dichlorobiphenyl	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 UJ
Heptachlorobiphenyl	0.30 U	0.30 U	0.30 UJ	0.30 U	0.30 U	0.3 U	0.3 UJ
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.2 U	0.2 UJ
Monochlorobiphenyl	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 UJ
Nonachlorobiphenyl	0.50 U	0.50 U	0.26 J	0.50 U	0.50 U	0.16 J	0.5 UJ
Octachlorobiphenyl	0.30 U	0.30 U	0.30 UJ	0.30 U	0.30 U	0.3 U	0.3 UJ
Pentachlorobiphenyl	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.2 U	0.2 UJ
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.2 U	0.2 UJ
Trichlorobiphenyl	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.1 U	0.1 UJ
Total PCBs	ND	ND	0.26	ND	ND	0.16	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 UJ	0.3 UJ	0.3 UJ	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 UJ	0.3 UJ	0.3 UJ	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	0.3 UJ
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Nonachlorobiphenyl	0.5 U	0.5 U	0.14 J	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	0.3 UJ
Pentachlorobiphenyl	0.2 U	0.08 J	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Total PCBs	ND	0.08	0.14	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.50	0.10 U	0.72 J
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	2.7	0.30 U	1.3 J
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	3.5	0.20 U	2.4 J
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.14	0.10 U	1.3 J
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.12 J	0.50 U	0.50 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.65	0.30 U	0.46 J
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	2.5	0.20 U	2.0 J
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	1.3	0.20 U	1.2 J
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.75	0.10 U	0.44 J
Total PCBs	ND	ND	ND	ND	12.16	ND	9.82

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Dichlorobiphenyl	0.23 J	0.07 J	0.11 J	0.04 J	0.10 U	0.10 U	0.1 U
Heptachlorobiphenyl	0.14 J	0.30 U	0.05 J	0.14 J	0.30 U	0.30	0.3 U
Hexachlorobiphenyl	0.20 J	0.20 U	0.12 J	0.31 J	0.20 U	0.38	0.2 U
Monochlorobiphenyl	1.0 J	0.72 J	1.1 J	0.10 U	0.10 U	0.10 U	0.1 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.10 J	0.3 U
Pentachlorobiphenyl	0.14 J	0.20 U	0.10 J	0.21 J	0.20 U	0.26	0.2 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U
Trichlorobiphenyl	0.22 J	0.10 U	0.09 J	0.10 U	0.10 U	0.05 J	0.1 U
Total PCBs	1.93	0.79	1.57	0.7	ND	1.09	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Compound	Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
	Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Decachlorobiphenyl		0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl		0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl		0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl		0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl		0.1 U	0.07 J	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl		0.13 J	0.5 U	0.5 UJ	0.5 UJ	0.19 J	0.5 U	0.5 U
Octachlorobiphenyl		0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl		0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.11 J	0.2 U
Tetrachlorobiphenyl		0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl		0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U
Total PCBs		0.13	0.07	ND	ND	0.19	0.11	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Compound	Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
	Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Decachlorobiphenyl		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl		0.5 U	0.26 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 J	0.2 U
Tetrachlorobiphenyl		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs		ND	0.26	ND	ND	ND	0.1	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Dichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U
Monochlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.06 J	0.06 J
Nonachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.16 J	0.5 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.07 J	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U
Trichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Total PCBs	0.07	ND	ND	ND	ND	0.22	0.06

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Compound	Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
	Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Decachlorobiphenyl		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl		0.13 J	0.13 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J
Octachlorobiphenyl		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl		0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs		0.24	0.13	ND	ND	ND	ND	0.2

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 UJ	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl	0.3 U	0.30 U	0.08 J	0.05 J	0.30 U	0.30 U	0.30 U
Hexachlorobiphenyl	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Octachlorobiphenyl	0.3 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachlorobiphenyl	0.2 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs	ND	ND	0.08	0.05	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.07 J
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.24 J	0.50 U	0.50 U	0.21 J	0.50 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.11 J
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs	ND	ND	0.24	ND	ND	0.21	0.18

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl	0.06 J	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Hexachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Octachlorobiphenyl	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs	0.06	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

	Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
	Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Decachlorobiphenyl		0.50 U	0.50 U	0.50 U	0.50 U	100 UJ	0.50 U	250 UJ
Dichlorobiphenyl		0.10 U	0.10 U	0.10 U	0.10 U	20 UJ	0.10 U	50 UJ
Heptachlorobiphenyl		0.30 U	0.30 U	0.30 U	0.30 U	60 UJ	0.30 U	150 UJ
Hexachlorobiphenyl		0.20 U	0.20 U	0.20 U	0.20 U	40 UJ	0.20 U	100 UJ
Monochlorobiphenyl		0.10 U	0.10 U	0.10 U	0.10 U	12 J	0.10 U	22 J
Nonachlorobiphenyl		0.50 U	0.26 J	0.50 U	0.50 U	100 UJ	0.50 U	250 UJ
Octachlorobiphenyl		0.30 U	0.30 U	0.30 U	0.30 U	60 UJ	0.30 U	150 UJ
Pentachlorobiphenyl		0.20 U	0.20 U	0.20 U	0.20 U	13 J	0.20 U	33 J
Tetrachlorobiphenyl		0.20 U	0.20 U	0.20 U	0.20 U	40 UJ	0.20 U	100 UJ
Trichlorobiphenyl		0.10 U	0.10 U	0.10 U	0.10 U	11 J	0.10 U	18 J
Total PCBs		ND	0.26	ND	ND	36	ND	73

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 UJ	1000 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.10 UJ	170 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.30 UJ	1900 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.20 UJ	2800 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.11 J	200 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.50 UJ	250 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.30 UJ	730 J	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.20 UJ	4800 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.20 UJ	3900 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.10 UJ	1200 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	0.11	15750	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	10 U	5 U	5 U	0.5 U	1 U	0.5 U	5 U
Dichlorobiphenyl	2 U	1 U	1 U	0.1 U	0.2 U	0.1 U	1 U
Heptachlorobiphenyl	6 U	3 U	3 U	0.3 U	0.6 U	0.3 U	3 U
Hexachlorobiphenyl	4 U	2 U	2 U	0.2 U	0.4 U	0.2 U	2 U
Monochlorobiphenyl	2 U	1 U	1 U	0.1 U	0.2 U	0.1 U	1 U
Nonachlorobiphenyl	10 U	5 U	5 U	0.5 U	1 U	0.5 U	5 U
Octachlorobiphenyl	6 U	3 U	3 U	0.3 U	0.6 U	0.3 U	3 U
Pentachlorobiphenyl	4 U	2 U	2 U	0.2 U	0.4 U	0.2 U	2 U
Tetrachlorobiphenyl	4 U	2 U	2 U	0.2 U	0.4 U	0.2 U	2 U
Trichlorobiphenyl	2 U	1 U	1 U	0.1 U	0.2 U	0.1 U	1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.49 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.19 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ND	0.88	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.5 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
Dichlorobiphenyl	0.1 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ
Heptachlorobiphenyl	0.3 U	0.30 UJ	0.30 U	0.30 UJ	0.30 U	0.30 UJ	0.30 UJ
Hexachlorobiphenyl	0.2 U	0.20 UJ	0.20 U	0.20 UJ	0.20 U	0.20 UJ	0.20 UJ
Monochlorobiphenyl	0.1 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ
Nonachlorobiphenyl	0.5 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
Octachlorobiphenyl	0.3 U	0.30 UJ	0.30 U	0.30 UJ	0.30 U	0.30 UJ	0.30 UJ
Pentachlorobiphenyl	0.2 U	0.20 UJ	0.20 U	0.056 J	0.20 U	0.20 UJ	0.20 UJ
Tetrachlorobiphenyl	0.2 U	0.20 UJ	0.20 U	0.20 UJ	0.20 U	0.20 UJ	0.20 UJ
Trichlorobiphenyl	0.1 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ
Total PCBs	ND	ND	ND	0.056	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorobiphenyl	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlorobiphenyl	0.30 UJ	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Hexachlorobiphenyl	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Monochlorobiphenyl	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nonachlorobiphenyl	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Octachlorobiphenyl	0.30 UJ	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Pentachlorobiphenyl	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachlorobiphenyl	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorobiphenyl	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.10 U	0.1 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.30 U	0.3 U	0.30 U	0.30 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.20 U	0.2 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.10 U	0.1 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.50 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.30 U	0.3 U	0.30 U	0.30 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.20 U	0.2 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.20 U	0.2 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.10 U	0.1 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-3
Solutia
Sauget Area 1
Ground Water
Method 680 Polychlorinated Biphenyl Data

Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Decachlorobiphenyl	0.50 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Dichlorobiphenyl	0.10 U	0.10 U	0.1 U	0.1 U	0.10 U	0.10 U	0.1 U
Heptachlorobiphenyl	0.30 U	0.30 U	0.3 U	0.3 U	0.30 U	0.30 U	0.3 U
Hexachlorobiphenyl	0.20 U	0.20 U	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U
Monochlorobiphenyl	0.10 U	0.10 U	0.1 U	0.1 U	0.10 U	0.10 U	0.1 U
Nonachlorobiphenyl	0.50 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
Octachlorobiphenyl	0.30 U	0.30 U	0.3 U	0.3 U	0.30 U	0.30 U	0.3 U
Pentachlorobiphenyl	0.20 U	0.20 U	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U
Tetrachlorobiphenyl	0.20 U	0.20 U	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U
Trichlorobiphenyl	0.10 U	0.10 U	0.1 U	0.1 U	0.10 U	0.10 U	0.1 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
4,4'-DDE	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
4,4'-DDT	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Aldrin	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Alpha Chlordane	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Dieldrin	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Endosulfan I	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Endosulfan II	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Endosulfan sulfate	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Endrin	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Endrin aldehyde	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Endrin ketone	0.1 UJ	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Gamma Chlordane	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Heptachlor	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Heptachlor epoxide	0.05 UJ	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ
Methoxychlor	0.5 UJ	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
Toxaphene	5 UJ	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ
alpha-BHC	0.039 UJ	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 UJ
beta-BHC	0.014 UJ	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 UJ
delta-BHC	0.012 UJ	0.012 U	0.012 U	0.034 J	0.0077 J	0.030 J	0.0056 J
gamma-BHC (Lindane)	0.019 UJ	0.019 U	0.019 U	0.032 J	0.019 U	0.028 JN	0.013 J
Total Pesticides	ND	ND	ND	0.066	0.0077	0.058	0.0186

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Aldrin	0.050 UJ	0.050 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Alpha Chlordane	0.050 UJ	0.050 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Dieldrin	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan I	0.050 UJ	0.050 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan II	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan sulfate	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin aldehyde	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin ketone	0.10 UJ	0.10 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Gamma Chlordane	0.050 UJ	0.050 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor	0.050 UJ	0.037 J	0.0075 J	0.0032 J	0.003 J	0.05 UJ	0.05 UJ
Heptachlor epoxide	0.050 UJ	0.050 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Methoxychlor	0.50 UJ	0.50 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Toxaphene	5.0 UJ	5.0 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
alpha-BHC	0.039 UJ	0.039 UJ	0.039 UJ	0.039 UJ	0.039 UJ	0.039 UJ	0.039 UJ
beta-BHC	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ
delta-BHC	0.0024 J	0.019 J	0.015 J	0.0034 J	0.012 UJ	0.012 UJ	0.012 UJ
gamma-BHC (Lindane)	0.0011 J	0.0029 J	0.019 UJ	0.0018 J	0.019 UJ	0.019 UJ	0.019 UJ
Total Pesticides	0.0035	0.0589	0.0225	0.0084	0.003	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
	Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
4,4'-DDE		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
4,4'-DDT		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Aldrin		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.05 UJ
Alpha Chlordane		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.05 UJ
Dieldrin		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.011 J
Endosulfan I		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.05 UJ
Endosulfan II		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Endosulfan sulfate		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Endrin		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Endrin aldehyde		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Endrin ketone		0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.1 UJ	0.1 UJ
Gamma Chlordane		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.05 UJ
Heptachlor		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.05 UJ
Heptachlor epoxide		0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 UJ	0.05 UJ	0.046 J
Methoxychlor		0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.5 UJ	0.5 UJ
Toxaphene		5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5 UJ	5 UJ
alpha-BHC		0.039 U	0.039 UJ	0.039 U	0.039 U	0.039 UJ	0.039 UJ	0.039 UJ
beta-BHC		0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 UJ	0.014 UJ	0.014 UJ
delta-BHC		0.012 U	0.012 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.0054 J	0.014 J
gamma-BHC (Lindane)		0.019 U	0.019 UJ	0.0050 J	0.012 J	0.034 J	0.028 J	0.023 J
Total Pesticides		ND	ND	0.005	0.012	0.034	0.0334	0.094

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
	Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDE		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDT		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Aldrin		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Alpha Chlordane		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Dieldrin		0.012 J	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan I		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Endosulfan II		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan sulfate		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin aldehyde		0.006 J	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin ketone		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Gamma Chlordane		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor		0.02 J	0.01 J	0.0058 J	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor epoxide		0.04 J	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Methoxychlor		0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Toxaphene		5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 UJ
alpha-BHC		0.039 UJ	0.039 UJ	0.039 UJ	0.039 U	0.039 U	0.039 U	0.039 UJ
beta-BHC		0.014 UJ	0.014 UJ	0.014 UJ	0.014 U	0.014 U	0.014 U	0.014 UJ
delta-BHC		0.018 J	0.012 J	0.0044 J	0.012 U	0.012 U	0.012 U	0.012 UJ
gamma-BHC (Lindane)		0.012 J	0.0033 J	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 UJ
Total Pesticides		0.108	0.0253	0.0102	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Aldrin	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Alpha Chlordane	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Dieldrin	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan I	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Endosulfan II	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan sulfate	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin aldehyde	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin ketone	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Gamma Chlordane	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Heptachlor	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Heptachlor epoxide	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Methoxychlor	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Toxaphene	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ
alpha-BHC	0.039 U	0.039 U	0.039 UJ	0.039 U	0.039 U	0.039 UJ	0.039 UJ
beta-BHC	0.014 U	0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 UJ	0.014 UJ
delta-BHC	0.012 U	0.012 U	0.012 UJ	0.012 U	0.012 U	0.012 UJ	0.012 UJ
gamma-BHC (Lindane)	0.019 U	0.019 U	0.016 J	0.019 U	0.019 U	0.0026 J	0.0055 J
Total Pesticides	ND	ND	0.016	ND	ND	0.0026	0.0055

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

	Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
	Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
4,4'-DDD		0.1 U	0.1 U	0.1 U	0.1 U	0.44	0.10 U	0.90 JD
4,4'-DDE		0.1 U	0.1 U	0.1 U	0.1 U	0.10 UJ	0.10 U	0.12 J
4,4'-DDT		0.1 U	0.1 U	0.1 U	0.1 U	1.2 JD	0.10 U	4.4 JD
Aldrin		0.05 U	0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.066 J
Alpha Chlordane		0.05 U	0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.030 J
Dieldrin		0.1 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U
Endosulfan I		0.05 U	0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.017 J
Endosulfan II		0.1 U	0.1 U	0.1 U	0.1 U	0.10 UJ	0.10 U	0.10 U
Endosulfan sulfate		0.1 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U
Endrin		0.1 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde		0.1 U	0.1 U	0.1 U	0.1 U	0.74 J	0.10 U	0.10 U
Endrin ketone		0.1 U	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane		0.05 U	0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.14 J
Heptachlor		0.05 U	0.05 U	0.05 U	0.05 U	0.050 UJ	0.050 U	0.023 J
Heptachlor epoxide		0.05 U	0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.090 J
Methoxychlor		0.5 U	0.5 U	0.5 U	0.5 U	1.2 JD	0.50 U	0.50 U
Toxaphene		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
alpha-BHC		0.039 U	0.039 U	0.039 U	0.039 U	0.039 UJ	0.039 U	0.010 J
beta-BHC		0.014 U	0.014 U	0.014 U	0.014 U	0.014 UJ	0.014 U	0.014 U
delta-BHC		0.012 U	0.012 U	0.0031 J	0.012 U	0.012 U	0.012 U	0.15 J
gamma-BHC (Lindane)		0.019 U	0.019 U	0.0024 J	0.019 U	0.019 U	0.019 U	0.038 J
Total Pesticides		ND	ND	0.0055	ND	3.58	ND	5.984

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.041 J	0.039 J	0.061 J	0.044 J	0.0095 J	0.090 J	0.0036 J
4,4'-DDE	0.030 J	0.10 UJ	0.021 J	0.022 J	0.10 U	0.16 J	0.1 U
4,4'-DDT	0.099 J	0.035 J	0.024 J	0.19 J	0.10 U	0.17 J	0.0022 J
Aldrin	0.050 U	0.050 UJ	0.026 J	0.050 UJ	0.050 U	0.053 J	0.0055 J
Alpha Chlordane	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.019 J	0.05 U
Dieldrin	0.0050 J	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.0039 J
Endosulfan I	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.035 J	0.05 U
Endosulfan II	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.001 J
Endosulfan sulfate	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.1 U
Endrin	0.013 J	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.0027 J
Endrin aldehyde	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.1 U
Endrin ketone	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.0044 J
Gamma Chlordane	0.012 J	0.050 UJ	0.0080 J	0.013 J	0.0024 J	0.050 UJ	0.05 U
Heptachlor	0.044 J	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.050 UJ	0.028 J
Heptachlor epoxide	0.0071 J	0.050 UJ	0.050 UJ	0.050 UJ	0.050 U	0.019 J	0.0077 J
Methoxychlor	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.5 U
Toxaphene	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5 U
alpha-BHC	0.021 J	0.039 UJ	0.044 J	0.039 UJ	0.039 U	0.039 UJ	0.012 J
beta-BHC	0.014 U	0.14 UJD	0.14 UJD	0.70 UJD	0.014 U	2.8 UJD	0.091 J
delta-BHC	0.077 J	0.019 J	0.27 J	0.062 J	0.012 U	0.012 UJ	0.036
gamma-BHC (Lindane)	0.019 U	0.19 UJD	0.019 UJ	0.95 UJD	0.019 U	3.8 UJD	0.069 J
Total Pesticides	0.3491	0.093	0.454	0.331	0.0119	0.546	0.267

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

	Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
	Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
4,4'-DDD		0.1 UJ	0.042 J	0.1 UJ	0.031 J	0.1 UJ	0.1 U	0.1 UJ
4,4'-DDE		0.1 UJ	0.0024 J	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
4,4'-DDT		0.1 UJ	0.025 J	0.11 J	0.06 J	0.1 UJ	0.1 U	0.1 UJ
Aldrin		0.0027 J	0.002 J	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ
Alpha Chlordane		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ
Dieldrin		0.1 UJ	0.0077 J	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Endosulfan I		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ
Endosulfan II		0.1 UJ	0.022 J	0.039 J	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Endosulfan sulfate		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Endrin		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Endrin aldehyde		0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Endrin ketone		0.1 UJ	0.0037 J	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ
Gamma Chlordane		0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ
Heptachlor		0.024 J	0.016 J	0.096 J	0.011 J	0.026 J	0.05 U	0.05 UJ
Heptachlor epoxide		0.014 J	0.016 J	0.037 J	0.016 J	0.05 UJ	0.05 U	0.05 UJ
Methoxychlor		0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ
Toxaphene		5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ
alpha-BHC		0.054 J	0.066 J	0.039 UJ	0.039 U	0.039 UJ	0.039 U	0.0061 J
beta-BHC		0.014 UJ	0.028 J	46 J	0.024 J	0.014 UJ	0.014 U	0.014 UJ
delta-BHC		0.1 J	0.079 J	0.012 UJ	0.012 U	0.0076 J	0.012 U	0.03 J
gamma-BHC (Lindane)		0.019 UJ	0.019 UJ	0.019 J	0.0019 J	0.012 J	0.019 U	0.0028 J
Total Pesticides		0.1947	0.3098	46.301	0.1439	0.0456	ND	0.0389

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDE	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDT	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Aldrin	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Alpha Chlordane	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Dieldrin	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan I	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Endosulfan II	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan sulfate	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin aldehyde	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin ketone	1 U	1 U	1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Gamma Chlordane	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Heptachlor	0.5 U	0.5 U	0.5 U	0.0083 J	0.0068 J	0.0091 J	0.0065 J
Heptachlor epoxide	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.003 J	0.0086 J
Methoxychlor	5 U	5 U	5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Toxaphene	50 U	50 U	50 U	5 U	5 U	5 UJ	5 UJ
alpha-BHC	65 D	70 D	72 D	0.039 U	0.0084 J	0.012 J	0.041 J
beta-BHC	13 D	14 D	4.4 D	0.014 U	0.014 U	0.049 J	0.071 J
delta-BHC	0.99 J	2	3.8	0.012 U	0.042 J	0.038 J	0.026 J
gamma-BHC (Lindane)	0.19 U	0.31 J	0.19 U	0.019 U	0.019 U	0.019 UJ	0.019 UJ
Total Pesticides	78.99	86.31	80.2	0.0083	0.0572	0.1111	0.1531

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.032 J	0.10 UJ	0.015 J	0.015 J	0.10 U	0.1 U	0.1 U
4,4'-DDE	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
4,4'-DDT	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Aldrin	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Alpha Chlordane	0.050 UJ	0.050 UJ	0.050 U	0.0090 J	0.050 U	0.05 U	0.05 U
Dieldrin	0.0077 J	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Endosulfan I	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Endosulfan II	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Endosulfan sulfate	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Endrin	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Endrin aldehyde	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Endrin ketone	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U
Gamma Chlordane	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Heptachlor	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Heptachlor epoxide	0.050 UJ	0.050 UJ	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U
Methoxychlor	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Toxaphene	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5 U	5 U
alpha-BHC	0.028 J	0.030 J	0.039 U	0.039 U	0.039 U	0.039 U	0.038 J
beta-BHC	0.014 UJ	0.014 UJ	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 UJ	0.012 UJ	0.0091 J	0.0061 J	0.012 U	0.034	0.032 J
gamma-BHC (Lindane)	0.019 UJ	0.019 UJ	0.013 J	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides	0.0677	0.03	0.0371	0.0301	ND	0.034	0.07

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Aldrin	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Alpha Chlordane	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Dieldrin	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan I	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Endosulfan II	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endosulfan sulfate	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin aldehyde	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Endrin ketone	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ
Gamma Chlordane	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ
Heptachlor	0.05 U	0.05 UJ	0.0092 J	0.05 U	0.05 U	0.05 UJ	0.0038 J
Heptachlor epoxide	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.0027 J
Methoxychlor	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Toxaphene	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ
alpha-BHC	0.039 U	0.039 UJ	0.039 U	0.039 U	0.039 U	0.039 UJ	0.039 UJ
beta-BHC	0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 U	0.014 UJ	0.014 UJ
delta-BHC	0.011 J	0.012 UJ	0.012 U	0.0033 J	0.012 U	0.012 UJ	0.015 J
gamma-BHC (Lindane)	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 UJ
Total Pesticides	0.011	ND	0.0092	0.0033	ND	ND	0.0215

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
	Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
4,4'-DDE		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
4,4'-DDT		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Aldrin		0.050 U	0.050 UJ	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U
Alpha Chlordane		0.050 U	0.050 UJ	0.050 U	0.050 UJ	0.011 J	0.050 U	0.050 U
Dieldrin		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endosulfan I		0.050 U	0.050 UJ	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U
Endosulfan II		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endosulfan sulfate		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endrin		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endrin aldehyde		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endrin ketone		0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Gamma Chlordane		0.0068 J	0.050 UJ	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U
Heptachlor		0.050 U	0.050 UJ	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U
Heptachlor epoxide		0.050 U	0.050 UJ	0.050 U	0.050 UJ	0.050 U	0.050 U	0.050 U
Methoxychlor		0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
Toxaphene		5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
alpha-BHC		0.039 U	0.039 UJ	0.039 U	0.039 UJ	0.039 U	0.039 U	0.039 U
beta-BHC		0.014 U	0.014 UJ	0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 U
delta-BHC		0.012 U	0.012 UJ	0.0031 J	0.012 UJ	0.012 U	0.012 U	0.012 U
gamma-BHC (Lindane)		0.019 U	0.019 UJ	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U
Total Pesticides		0.0068	ND	0.0031	ND	0.011	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Alpha Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.1 U	0.1 U	0.1 U
Gamma Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Toxaphene	5.0 U	5.0 U	5.0 U	0.50 U	5 U	5 U	5 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 U	0.012 U	0.012 U	0.0031 J	0.012 U	0.012 U
gamma-BHC (Lindane)	0.019 U	0.019 U	0.019 U	0.019 U	0.0034 J	0.019 U	0.019 U
Total Pesticides	ND	ND	ND	ND	0.0065	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Alpha Chlordane	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Gamma Chlordane	0.05 U	0.00075 J	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Toxaphene	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 UJ	0.039 U	0.039 U	0.0048 J
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 U	0.012 U	0.012 UJ	0.012 U	0.012 U	0.012 U
gamma-BHC (Lindane)	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U
Total Pesticides	ND	0.00075	ND	ND	ND	ND	0.0048

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Alpha Chlordane	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone	0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0025 J	0.0053 J
Heptachlor epoxide	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.0039 J	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.0071 J	0.012 U	0.012 U	0.012 U	0.012 U	0.008 J	0.0023 J
gamma-BHC (Lindane)	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides	0.0071	ND	ND	ND	ND	0.0144	0.0076

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Alpha Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	0.0051 J	0.0041 J	0.0011 J	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.0027 J	0.0023 J	0.012 U	0.0084 J	0.012 U	0.0039 J	0.012 U
gamma-BHC (Lindane)	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides	0.0078	0.0064	0.0011	0.0084	ND	0.0039	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
	Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Alpha Chlordane		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC		0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
beta-BHC		0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC		0.012 U	0.012 U	0.0043 J	0.0028 J	0.0033 J	0.0052 J	0.012 U
gamma-BHC (Lindane)		0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides		ND	ND	0.0043	0.0028	0.0033	0.0052	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	18 J	0.10 U	20 U
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Alpha Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	6.0 J
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	20 U	0.10 U	20 U
Gamma Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	10 U	0.050 U	10 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	100 U	0.50 U	100 U
Toxaphene	5.0 U	5.0 U	5.0 U	5.0 U	1000 U	5.0 U	1000 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 U	390 D	0.039 U	2200 D
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 U	2.8 U	0.014 U	170 JD
delta-BHC	0.012 U	0.0019 J	0.012 U	0.012 U	2.4 U	0.012 U	2.4 U
gamma-BHC (Lindane)	0.019 U	0.019 U	0.019 U	0.019 U	3.8 U	0.019 U	3.8 U
Total Pesticides	ND	0.0019	ND	ND	408	ND	2376

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	180	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aldrin	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Alpha Chlordane	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.10 U	50 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U
Endrin	0.10 U	50 U	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endrin aldehyde	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin ketone	0.10 U	50 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Gamma Chlordane	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.050 U	25 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50 U	250 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	5.0 U	2500 U	5 U	5 U	5 U	5 U	5 U
alpha-BHC	0.039 U	3300 D	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
beta-BHC	0.14 J	7.0 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	41	0.0028 J	0.0029 J	0.012 U	0.012 U	0.004 J
gamma-BHC (Lindane)	0.019 U	9.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides	0.14	3521	0.0028	0.0029	ND	ND	0.004

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	10 U	5 U	5 U	0.1 U	0.024 J	0.1 U	2 U
4,4'-DDE	10 U	5 U	5 U	0.1 U	0.0014 J	0.1 U	2.2
4,4'-DDT	10 U	5 U	5 U	0.1 U	0.1 UJ	0.1 U	2 U
Aldrin	5 U	2.5 U	2.5 U	0.05 U	0.05 UJ	0.05 U	1 U
Alpha Chlordane	5 U	1.6 J	3.2 J	0.05 U	0.05 UJ	0.05 U	1 U
Dieldrin	10 U	5 U	5 U	0.1 U	0.02 J	0.1 U	2 U
Endosulfan I	5 U	2.5 U	2.5 U	0.05 U	0.05 UJ	0.05 U	1 U
Endosulfan II	10 U	5 U	5 U	0.1 U	0.1 UJ	0.1 U	2 J
Endosulfan sulfate	10 U	5 U	5 U	0.1 U	0.1 UJ	0.1 U	2 U
Endrin	10 U	0.49 J	0.23 J	0.1 U	0.024 J	0.1 U	2 U
Endrin aldehyde	10 U	5 U	5 U	0.1 U	0.092 J	0.1 U	2 U
Endrin ketone	10 U	5 U	5 U	0.1 U	0.1 UJ	0.1 U	1.8 J
Gamma Chlordane	5 U	2.5 U	2.5 U	0.05 U	0.008 J	0.05 U	3.5
Heptachlor	5 U	12 UD	12 UD	0.05 U	0.026 J	0.05 U	2.5 J
Heptachlor epoxide	5 U	4.2 J	4.6 J	0.05 U	0.024 J	0.05 U	5.6 J
Methoxychlor	50 U	25 U	0.36 J	0.5 U	0.069 J	0.5 U	2.8 J
Toxaphene	500 U	250 U	250 U	5 U	5 UJ	5 U	100 U
alpha-BHC	3.9 U	0.54 JD	0.45 JD	0.039 U	0.024 J	0.039 U	2.4
beta-BHC	1.4 U	3.5 UD	3.5 UD	0.014 U	0.014 UJ	0.014 U	0.28 U
delta-BHC	1.2 U	3 UD	3 UD	0.012 U	0.36 J	0.01 J	0.24 U
gamma-BHC (Lindane)	1.9 U	4.8 UD	4.8 UD	0.019 U	0.019 UJ	0.0013 J	0.38 U
Total Pesticides	ND	6.83	8.84	ND	0.6724	0.0113	22.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
	Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE		0.1 U	0.18 J	0.1 U	0.1 U	0.004 J	0.1 U	0.1 U
4,4'-DDT		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aldrin		0.05 U	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Alpha Chlordane		0.05 U	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I		0.05 U	0.5 U	0.05 U	0.05 U	0.0016 J	0.05 U	0.05 U
Endosulfan II		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin		0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde		0.1 U	1 U	0.1 U	0.1 U	0.0038 J	0.1 U	0.1 U
Endrin ketone		0.1 U	0.11 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Gamma Chlordane		0.05 U	0.25 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor		0.05 U	0.5 U	0.05 U	0.05 U	0.0012 J	0.05 U	0.05 U
Heptachlor epoxide		0.05 U	0.68 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor		0.5 U	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene		5 U	50 U	5 U	5 U	5 U	5 U	5 U
alpha-BHC		0.039 U	1.1	0.039 U	0.039 U	0.039 U	0.22	0.039 U
beta-BHC		0.014 U	1 J	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC		0.021	0.12 U	0.012 U	0.012 U	0.0082 J	0.012 U	0.012 U
gamma-BHC (Lindane)		0.019 U	0.4	0.0057 J	0.0049 J	0.019 U	0.019 U	0.019 U
Total Pesticides		0.021	3.94	0.0057	0.0049	0.0188	0.22	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.1 U	0.1 U	0.1 UJ	5 U	0.044 J	0.1 U	0.1 U
4,4'-DDE	0.0039 J	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
Aldrin	0.05 U	0.05 U	0.05 UJ	2.5 U	0.05 U	0.05 U	0.05 U
Alpha Chlordane	0.05 U	0.05 U	0.05 UJ	2.5 U	0.038 J	0.05 U	0.05 U
Dieldrin	0.0026 J	0.1 U	0.1 UJ	5 U	0.0029 J	0.1 U	0.1 U
Endosulfan I	0.05 U	0.05 U	0.05 UJ	2.5 U	0.05 U	0.05 UJ	0.05 U
Endosulfan II	0.0069 J	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	0.011 J	0.1 U	0.1 UJ	5 U	0.1 U	0.1 U	0.1 U
Endrin ketone	0.0093 J	0.1 U	0.1 UJ	5 U	0.0094 J	0.1 U	0.1 U
Gamma Chlordane	0.05 U	0.05 U	0.05 UJ	2.5 U	0.01 J	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 UJ	2.5 U	0.05 U	0.0099 J	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 UJ	2.5 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 U	0.5 U	0.5 UJ	25 U	0.5 U	0.5 U	0.5 U
Toxaphene	5 U	5 U	5 UJ	250 U	5 U	5 U	5 U
alpha-BHC	0.0008 J	0.0031 J	8.3 JD	6 J	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.36 J	0.7 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 J	0.13 J	17	0.012 U	0.0016 J	0.0098 J
gamma-BHC (Lindane)	0.00085 J	0.0074 J	0.068 J	2.5 U	0.011 J	0.019 UJ	0.019 U
Total Pesticides	0.03535	0.0225	8.858	23	0.1153	0.0115	0.0098

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Compound	Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
	Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
4,4'-DDD		0.1 U	0.10 U	0.0040 J	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.0020 J	0.10 U
4,4'-DDT		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin		0.05 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Alpha Chlordane		0.05 U	0.050 U	0.050 U	0.050 U	0.0014 J	0.050 U	0.050 U
Dieldrin		0.1 U	0.10 U	0.0032 J	0.0013 J	0.10 U	0.10 U	0.10 U
Endosulfan I		0.05 U	0.050 U	0.050 U	0.050 U	0.0011 J	0.050 U	0.050 U
Endosulfan II		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde		0.1 U	0.10 U	0.10 U	0.0032 J	0.10 U	0.10 U	0.10 U
Endrin ketone		0.1 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane		0.05 U	0.050 U	0.050 U	0.0022 J	0.050 U	0.0012 J	0.050 U
Heptachlor		0.05 U	0.050 U	0.050 U	0.0019 J	0.050 U	0.050 U	0.050 U
Heptachlor epoxide		0.05 U	0.050 U	0.0014 J	0.0010 J	0.050 U	0.050 U	0.050 U
Methoxychlor		0.5 U	0.50 U	0.0054 J	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene		5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
alpha-BHC		0.039 U	0.039 U	0.0021 J	0.0027 J	0.0037 J	0.039 U	0.039 U
beta-BHC		0.014 U	0.014 U	0.014 U	0.014 U	0.0064 JN	0.0020 J	0.014 U
delta-BHC		0.012 U	0.0012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
gamma-BHC (Lindane)		0.019 U	0.0041 JN	0.0034 JN	0.032	0.0095 J	0.0017 J	0.019 U
Total Pesticides		ND	0.0041	0.0195	0.0443	0.0221	0.0069	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.50 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Alpha Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Gamma Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	0.50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
gamma-BHC (Lindane)	0.0059 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
Total Pesticides	0.0059	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Aldrin	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.05 U	0.05 U
Alpha Chlordane	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.05 U	0.05 U
Dieldrin	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Endosulfan I	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Endrin	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 UJ
Endrin aldehyde	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Endrin ketone	0.10 U	0.1 U	0.10 UJ	0.10 UJ	0.1 U	0.1 U	0.1 U
Gamma Chlordane	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.05 U	0.05 U
Heptachlor	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.00099 J	0.05 U
Heptachlor epoxide	0.050 U	0.05 U	0.050 UJ	0.050 UJ	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50 U	0.5 U	0.50 UJ	0.50 UJ	0.5 U	0.5 U	0.5 U
Toxaphene	5.0 U	5 U	5.0 UJ	5.0 UJ	5 U	5 U	5 U
alpha-BHC	0.039 U	0.039 U	0.039 UJ	0.039 UJ	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 UJ	0.014 UJ	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 U	0.012 UJ	0.012 UJ	0.0015 J	0.012 U	0.012 U
gamma-BHC (Lindane)	0.019 U	0.00062 J	0.019 UJ	0.019 UJ	0.019 U	0.019 U	0.019 U
Total Pesticides	ND	0.00062	ND	ND	0.0015	0.00099	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-4
Solutia
Sauget Area 1
Ground Water
Method 8081A Pesticide Data

Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
4,4'-DDD	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
4,4'-DDE	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
4,4'-DDT	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
Aldrin	0.050 U	0.050 UJ	0.05 U	0.05 UJ	0.050 U	0.050 U	0.05 U
Alpha Chlordane	0.050 U	0.050 UJ	0.05 U	0.05 UJ	0.050 U	0.050 U	0.05 U
Dieldrin	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
Endosulfan I	0.050 U	0.050 U	0.05 U	0.05 UJ	0.050 U	0.050 U	0.05 U
Endosulfan II	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
Endosulfan sulfate	0.10 U	0.10 U	0.001 J	0.1 UJ	0.10 U	0.10 U	0.1 U
Endrin	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
Endrin aldehyde	0.10 U	0.10 U	0.1 U	0.1 UJ	0.10 U	0.10 U	0.1 U
Endrin ketone	0.10 U	0.10 U	0.0021 J	0.1 UJ	0.10 U	0.10 U	0.1 U
Gamma Chlordane	0.050 U	0.050 UJ	0.05 U	0.05 UJ	0.050 U	0.050 U	0.05 U
Heptachlor	0.050 U	0.050 UJ	0.001 J	0.05 UJ	0.050 U	0.050 U	0.05 U
Heptachlor epoxide	0.050 U	0.050 U	0.0016 J	0.05 UJ	0.050 U	0.050 U	0.05 U
Methoxychlor	0.50 U	0.50 U	0.5 U	0.5 UJ	0.50 U	0.50 U	0.5 U
Toxaphene	5.0 U	5.0 U	5 U	5 UJ	5.0 U	5.0 U	5 U
alpha-BHC	0.039 U	0.039 UJ	0.039 U	0.039 UJ	0.039 U	0.039 U	0.039 U
beta-BHC	0.014 U	0.014 U	0.014 U	0.014 UJ	0.014 U	0.014 U	0.014 U
delta-BHC	0.012 U	0.012 U	0.0025 J	0.012 UJ	0.012 UJ	0.012 UJ	0.011 J
gamma-BHC (Lindane)	0.019 U	0.019 UJ	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U
Total Pesticides	ND	ND	0.0082	ND	ND	ND	0.011

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-D	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dalapon	120 U	120 U	120 U	120 UJ	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	6 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb	6 U	6 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA	120 U	120 U	120 U	120 UJ	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1.0 U	0.48 J	1.0 U	0.11 J	0.13 J
Total Herbicides	ND	ND	ND	0.48	ND	0.11	0.13

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Compound	Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
	Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
2,4,5-T		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)		0.048 J	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB		0.50 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6.0 U	6.0 U	6 U	6 U	6 U	6 U	6 U
Dinoseb		6.0 U	6.0 U	6 U	6 U	6 U	6 U	6 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		0.081 J	1.0 U	1 U	1 U	0.066 J	1 U	1 U
Total Herbicides		0.129	ND	ND	ND	0.066	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.64
2,4-D	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
2,4-DB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	0.043 J
Total Herbicides	ND	ND	ND	ND	ND	ND	0.683

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	0.037 J	1 U	1 U	1 U	1 U	1 U	1 U
Total Herbicides	0.837	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
	Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)		0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D		0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB		0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6 UJ	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb		6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA		120 UJ	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1 U	1 U	1 U	0.065 J	1 U	1 U	1 U
Total Herbicides		ND	ND	ND	0.065	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
	Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	2.5 U
2,4,5-TP (Silvex)		0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	2.5 U
2,4-D		0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	2.5 U
2,4-DB		0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	2.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	600 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6.0 U
Dichloroprop		6 U	6 U	6 U	6 U	6.0 U	6.0 U	30 U
Dinoseb		6 U	6 U	6 U	6 U	6.0 U	6.0 U	30 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	600 U
MCPP		120 U	120 U	120 U	120 U	150 J	120 U	3600 J
Pentachlorophenol		1 U	1 U	1 U	1 U	1.4	1.0 U	4.2 J
Total Herbicides		ND	ND	ND	ND	151.4	ND	3604.2

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Compound	Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
	Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
2,4,5-T		1.0 U	2.5 U	2.5 U	25 U	0.50 U	2.5 U	0.5 U
2,4,5-TP (Silvex)		1.0 U	2.5 U	2.5 U	25 U	0.50 U	2.5 U	1.1
2,4-D		1.0 U	2.5 U	1.8 J	25 U	0.50 U	11	0.5 U
2,4-DB		1.0 U	2.5 U	2.5 U	25 U	0.50 U	2.5 U	0.5 U
Dalapon		240 U	600 U	600 U	6000 U	120 U	600 U	120 U
Dicamba		2.4 U	6.0 U	6.0 U	60 U	1.2 U	6.0 U	0.14 J
Dichloroprop		12 U	30 U	30 U	300 U	6.0 U	30 U	6 U
Dinoseb		12 U	30 U	30 U	300 U	6.0 U	30 U	0.27 J
MCPA		240 U	600 U	600 U	6000 U	120 U	600 U	120 U
MCPP		650 J	4100 JD	4400 JD	6000 U	120 U	1200 J	120 U
Pentachlorophenol		1.2 J	23	28	89	1.0 U	320 D	0.13 J
Total Herbicides		651.2	4123	4429.8	89	ND	1531	1.64

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
	Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)		0.35 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb		R	6 U	6 U	6 U	6 U	6 U	6 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Herbicides		0.35	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Compound	Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
	Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
2,4,5-T		3.9 J	3.5 J	5.8 J	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)		0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	0.084 J	0.5 U
2,4-D		10 D	11 D	4	0.5 U	0.27 J	0.14 J	0.34 J
2,4-DB		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb		6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		640 J	350 J	290 JD	120 U	120 U	120 U	120 U
Pentachlorophenol		0.34 J	0.37 J	0.24 J	1 U	1 U	1 U	1 U
Total Herbicides		654.24	364.87	300.04	ND	0.45	0.224	0.34

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U
2,4-D	0.50 U	2.3 J	0.50 U	0.50 U	0.49 J	0.5 U	0.5 U
2,4-DB	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	260 J	120 U	120 U	120 U	120 U	62 J
Pentachlorophenol	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Total Herbicides	ND	262.3	ND	ND	0.49	ND	62

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Compound	Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
	Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
2,4,5-T		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb		6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Herbicides		ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-D	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Herbicides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.19 J	0.5 U	0.5 U	0.5 U
2,4-D	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.50 U	0.50 U	0.50 U	0.50 U	0.5 UJ	0.5 UJ	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U	6 U
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	6 U	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1.0 U	1.0 U	1.0 U	1 UJ	1 U	1 U
Total Herbicides	ND	ND	ND	0.19	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dinoseb	6 U	6 U	6 U	6 U	6 UJ	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Herbicides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
	Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)		0.21 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-D		0.18 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB		0.41 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	0.12 J	1.2 U	1.2 U
Dichloroprop		6 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb		6 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Herbicides		2.2	ND	ND	ND	0.12	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
	Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-D		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb		6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA		120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1.0 U	1.0 U	1.0 U	1.0 U	0.77 J	1.0 U	1.0 U
Total Herbicides		ND	ND	ND	ND	0.77	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.051 J	0.50 U	0.50 U	0.50 U
2,4-D	0.50 U	0.50 U	0.50 U	0.30 J	0.50 U	0.50 U	0.50 U
2,4-DB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1.0 U	0.064 J	1.0 U	1.0 U	0.044 J	1.0 U
Total Herbicides	ND	ND	0.064	0.351	ND	0.044	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	18 J	0.50 U	17 J
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	5.0 U
2,4-D	0.50 U	0.50 U	0.50 U	0.50 U	440 D	0.50 U	320 D
2,4-DB	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	5.0 U
Dalapon	120 U	120 U	120 U	120 U	1200 U	120 U	1200 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	12 U	1.2 U	12 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	11 J	6.0 U	11 J
Dinoseb	6.0 U	6.0 U	6.0 U	6.0 U	60 U	6.0 U	60 U
MCPA	120 U	120 U	120 U	120 U	1200 U	120 U	840 J
MCPP	120 U	120 U	120 U	120 U	1200 U	120 U	2500 J
Pentachlorophenol	1.0 U	1.0 U	1.0 U	1.0 U	6.6 J	1.0 U	7.6 J
Total Herbicides	ND	ND	ND	ND	475.6	ND	3695.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	16	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
2,4,5-TP (Silvex)	0.50 U	2.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
2,4-D	0.74 J	18	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
2,4-DB	0.50 U	2.5 U	0.5 UJ	0.5 UJ	R	0.5 UJ	0.5 UJ
Dalapon	120 U	600 U	120 U	120 U	120 U	120 UJ	120 U
Dicamba	1.2 U	6.0 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U
Dichloroprop	6.0 U	30 U	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ
Dinoseb	6.0 U	30 U	6 U	6 U	6 U	6 UJ	6 U
MCPA	120 U	600 U	120 UJ	120 UJ	120 U	120 UJ	120 UJ
MCPP	120 U	18000 JD	120 U	120 U	120 U	120 UJ	120 U
Pentachlorophenol	0.12 J	900 D	1 U	1 U	1 U	1 UJ	1 U
Total Herbicides	0.86	18934	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	250 U	36 J	34 J	0.5 U	50 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	250 U	120 U	120 U	0.5 U	390	0.5 U	0.45 J
2,4-D	250 U	190	170	0.5 U	50 U	0.5 U	0.5 U
2,4-DB	250 U	120 UJ	120 UJ	0.5 U	50 U	0.5 U	0.5 UJ
Dalapon	60000 U	30000 U	30000 U	120 U	12000 U	120 U	120 U
Dicamba	600 U	300 U	300 U	1.2 U	120 U	1.2 U	1.2 U
Dichloroprop	3000 U	1500 U	1500 U	6 U	600 U	6 U	6 U
Dinoseb	3000 U	1500 U	1500 U	6 U	600 U	6 U	6 U
MCPA	60000 U	30000 U	30000 U	120 U	12000 U	120 U	120 U
MCPP	60000 U	30000 U	30000 U	120 U	12000 U	120 U	120 U
Pentachlorophenol	2400	500	450	1 U	100 U	1 U	0.067 J
Total Herbicides	2400	726	654	ND	390	ND	0.517

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	25 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	25 U	0.5 U	0.5 UJ	0.14 J	0.5 U	0.5 U
2,4-D	0.5 U	25 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 UJ	25 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Dalapon	120 U	6000 U	120 U	120 UJ	120 U	120 U	120 U
Dicamba	1.2 U	60 U	1.2 U	1.2 UJ	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	300 U	6 U	6 UJ	6 U	6 U	6 U
Dinoseb	6 U	300 U	6 U	6 UJ	6 U	6 U	6 U
MCPA	120 U	6000 U	120 U	120 UJ	120 U	120 U	120 U
MCPP	120 U	6000 U	120 U	120 UJ	120 U	120 U	120 U
Pentachlorophenol	0.066 J	160	1 U	1 UJ	1.0 U	1.0 U	1 U
Total Herbicides	0.066	160	ND	ND	0.14	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	0.5 U	0.5 U	24 J	3.2	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 U	120	6.1	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	6000 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	60 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	6 U	6 U	47 J	6 U	6 U	6 U
Dinoseb	6 U	6 U	0.32 J	300 U	6 U	6 U	6 U
MCPA	120 U	120 U	120 U	6000 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	6000 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	0.097 J	0.067 J	19 J	0.37 J	1 U	0.13 J
Total Herbicides	ND	0.097	0.387	210	9.67	ND	0.13

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)	0.5 U	0.50 U	0.50 U	0.11 J	0.062 J	0.50 U	0.50 U
2,4-D	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.66 J	0.50 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb	6 U	6.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ	6.0 UJ
MCPA	120 U	120 UJ	120 UJ	120 UJ	120 UJ	120 UJ	120 UJ
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Total Herbicides	ND	ND	ND	0.11	0.062	0.66	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4,5-TP (Silvex)	0.50 U	0.50 U	0.50 U	0.50 U	0.098 J	0.50 U	0.50 U
2,4-D	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Dinoseb	6.0 UJ	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
MCPA	120 UJ	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 UJ	1.0 U	1.0 U	1.0 U	0.077 J	1.0 U	1.0 U
Total Herbicides	ND	ND	ND	ND	0.175	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
2,4,5-T	0.50 U	0.5 U	0.50 UJ	0.50 UJ	0.5 U	0.5 U	0.21 J
2,4,5-TP (Silvex)	0.50 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.16 J
2,4-D	0.50 U	0.5 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.50 U	0.5 U	0.50 UJ	0.50 UJ	0.5 U	0.5 U	0.5 UJ
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop	6.0 U	6 U	6.0 U	6.0 U	6 U	6 U	6 UJ
Dinoseb	6.0 U	6 U	6.0 UJ	6.0 UJ	6 U	6 U	6 U
MCPA	120 U	120 U	120 U	120 U	120 U	120 U	120 UJ
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1.0 U	1 U	1.0 U	1.0 U	1 U	1 U	1 U
Total Herbicides	ND	ND	ND	ND	ND	ND	0.37

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-5
Solutia
Sauget Area 1
Ground Water
Method 8151A Herbicide Data

	Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
	Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
2,4,5-T		0.50 U	0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	0.5 U
2,4,5-TP (Silvex)		0.50 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
2,4-D		0.50 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.5 U
2,4-DB		0.50 U	0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	0.5 U
Dalapon		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichloroprop		6.0 U	6.0 U	6 U	6 U	6.0 U	6.0 U	6 U
Dinoseb		6.0 U	6.0 U	6 U	6 U	6.0 UJ	6.0 U	6 U
MCPA		120 U	120 U	120 U	120 UJ	120 UJ	120 U	120 U
MCPP		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol		1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1 U
Total Herbicides		ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	11 J	8.1 J	0.16 UJ	0.33 J	0.081 J	0.12 UJ	0.13 J
Antimony	0.02 U	0.0079 J	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.009 J	0.006 J	0.010 U	0.010 U	0.010 U	0.010 U	0.0037 J
Barium	0.64	0.62	0.10	0.14	0.015	0.13	0.13
Beryllium	0.0018 J	0.0015 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.00063 U
Cadmium	0.005 U	0.005 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	170 J	170 J	140 J	130 J	24	120 J	160 J
Chromium	0.11	0.09	0.0036 J	0.010 U	0.010 U	0.010 U	0.0019 UJ
Cobalt	0.014	0.0092 J	0.010 U	0.0038 J	0.010 U	0.0032 J	0.0075 J
Copper	0.023 U	0.019 UJ	0.0023 J	0.020 U	0.017 J	0.020 U	0.020 U
Cyanide, Total	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	54 J	45 J	0.77 J	1.1 J	0.034 J	0.40 J	3.6 J
Lead	0.017	0.011	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Magnesium	51	50	30	25	7.8	25	36
Manganese	2.9 J	1.9 J	0.041	0.75	0.017	0.71	1.7
Mercury	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum	0.018	0.012	0.016	0.010 U	0.010 U	0.010 U	0.0044 J
Nickel	0.048	0.038 J	0.0091 J	0.012 J	0.040 U	0.011 J	0.010 J
Potassium	10	9.2	3.2	6.4	2.5	6.1	7.7
Selenium	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	30 J	33 J	11 J	16 J	13	15 J	23 J
Thallium	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.029	0.022	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Zinc	0.13 U	0.12 U	0.020 U	0.020 U	0.029	0.020 U	0.020 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
	Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.066 J	0.28	0.43	0.2 U	15	2.2 J	1.7 J
Antimony		0.020 U	0.020 U	0.02 U	0.0053 J	0.02 U	0.02 U	0.02 U
Arsenic		0.0049 J	0.010 U	0.01 U	0.01 U	0.0091 J	0.01 U	0.01 U
Barium		0.12	0.24	0.25	0.15	0.65	0.35	0.33
Beryllium		0.00068 UJ	0.00066 UJ	0.0011 UJ	0.0011 UJ	0.0019 UJ	0.0013 UJ	0.0012 UJ
Cadmium		0.0050 U	0.0050 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		170 J	190 J	200 J	150 J	210 J	150 J	150 J
Chromium		0.0028 UJ	0.0026 J	0.0042 J	0.01 U	0.16	0.031	0.023
Cobalt		0.0018 J	0.010 U	0.01 U	0.01 U	0.018	0.0019 J	0.01 U
Copper		0.0015 UJ	0.020 U	0.001 UJ	0.02 U	0.035 J	0.0045 UJ	0.0036 UJ
Cyanide, Total		0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		11 J	27 J	23 J	14 J	67 J	21 J	19 J
Lead		0.0029 UJ	0.0050 U	0.005 U	0.005 U	0.022	0.005 U	0.0039 J
Magnesium		37	62	86	46	61	44	44
Manganese		2.0	1.9	1.4 J	0.76 J	2.2 J	0.68 J	0.6 J
Mercury		0.00020 U	0.00020 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum		0.0029 J	0.010 U	0.0035 J	0.0031 J	0.024	0.0066 J	0.0082 J
Nickel		0.0052 J	0.0052 J	0.04 U	0.04 U	0.072	0.01 J	0.0072 J
Potassium		8.3	13	13	7.7	14	7.6	7.3
Selenium		0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		24 J	79 J	100 J	39 J	51 J	24 J	23 J
Thallium		0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium		0.010 U	0.010 U	0.01 U	0.01 U	0.039	0.0047 J	0.0031 J
Zinc		0.011 J	0.013 J	0.0078 UJ	0.02 U	0.22 J	0.051 U	0.038 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
	Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		1.6	0.20 U	0.18 J	0.20 U	0.20 U	0.26	0.24
Antimony		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.02 U
Arsenic		0.0038 J	0.010 U	0.010 U	0.010 U	0.0056 J	0.01 U	0.01 U
Barium		0.16	0.087	0.15	0.010 U	0.18	0.19	0.32
Beryllium		0.00075 UJ	0.00072 UJ	0.00056 UJ	0.0040 U	0.00068 UJ	0.0015 UJ	0.0011 UJ
Cadmium		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.005 U	0.005 U
Calcium		140 J	110 J	130 J	0.34 J	140 J	180 J	210 J
Chromium		0.0028 UJ	0.010 U	0.0012 J	0.010 U	0.010 U	0.0059 J	0.003 J
Cobalt		0.0030 J	0.0042 J	0.0048 J	0.010 U	0.010 U	0.01 U	0.01 U
Copper		0.0018 UJ	0.020 U	0.020 U	0.020 U	0.020 U	0.084 J	0.02 U
Cyanide, Total		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Iron		2.7 J	0.28 J	1.4 J	0.050 U	11 J	21 J	32 J
Lead		0.0020 UJ	0.0017 UJ	0.0050 U	0.0050 U	0.0050 U	0.0025 J	0.005 U
Magnesium		32	22	26	0.50 U	28	38	60
Manganese		1.2	0.22	1.9	0.010 U	1.6	2.2 J	1.5 J
Mercury		0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.0002 U	0.0002 U
Molybdenum		0.0045 J	0.0045 J	0.0037 J	0.010 U	0.010 U	0.01 U	0.01 U
Nickel		0.0098 J	0.0092 J	0.0093 J	0.040 U	0.040 U	0.04 U	0.04 U
Potassium		5.0	3.0	4.1	1.0 U	6.4	7.5	9.6
Selenium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Silver		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Sodium		8.2 J	7.3 J	9.6 J	0.47 J	14 J	21 J	41 J
Thallium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Vanadium		0.0040 J	0.010 U	0.010 U	0.010 U	0.010 U	0.0038 J	0.01 U
Zinc		0.0091 J	0.020 U	0.020	0.020 U	0.0079 J	0.006 UJ	0.008 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
	Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.038 J	8.7	0.2 UJ	0.2 UJ	0.2 U	4.2 J	23
Antimony		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic		0.01 U	0.007 J	0.01 U	0.01 U	0.01 U	0.01 U	0.02 J
Barium		0.31	0.32	0.25	0.64	0.01 U	0.79	0.98 J
Beryllium		0.0011 UJ	0.0015 UJ	0.0011 UJ	0.0011 UJ	0.0011 J	0.0012 UJ	0.0011 J
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		210 J	210 J	170 J	170 J	0.28 J	160 J	200 J
Chromium		0.01 U	0.11	0.002 J	0.01 U	0.01 U	0.036	0.28
Cobalt		0.01 U	0.014	0.01 U	0.01 U	0.01 U	0.0038 J	0.018
Copper		0.02 U	0.03 J	0.02 U	0.02 U	0.0048 J	0.0087 UJ	0.051 J
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		31 J	54 J	16 J	16 J	0.04 J	24 J	69 J
Lead		0.005 U	0.019	0.0018 J	0.005 U	0.005 U	0.0044 J	0.026
Magnesium		61	65	54	50	0.5 U	48	62
Manganese		1.5 J	1.6 J	0.53 J	0.34 J	0.0024 J	0.5 J	1.1 J
Mercury		0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00017 UJ
Molybdenum		0.0027 J	0.019	0.01 U	0.01 U	0.01 U	0.0082 J	0.038
Nickel		0.04 U	0.052	0.04 U	0.04 U	0.04 U	0.017 J	0.082
Potassium		9.7	11	7.7	7.3	1 U	7.9	13
Selenium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		42 J	40 J	46 J	30 J	0.36 J	28 J	19 J
Thallium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium		0.01 U	0.024	0.01 U	0.01 U	0.01 U	0.011	0.056
Zinc		0.02 U	0.21 J	0.0074 UJ	0.011 UJ	0.027	0.087 U	0.22 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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Number 10040 25501

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
	Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.9	0.2 U	0.2 U	0.22	0.028 J	0.15 J	0.2 U
Antimony		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0042 UJ	0.0069 UJ
Barium		0.64 J	0.13	0.14	0.14	0.17	0.14 J	0.12 J
Beryllium		0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		130 J	170 J	130 J	130 J	120 J	110 J	180 J
Chromium		0.011	0.01 U	0.01 U	0.01 U	0.01 U	0.0027 J	0.01 U
Cobalt		0.01 U	0.0058 J	0.007 J	0.0075 J	0.0068 J	0.01 U	0.01 U
Copper		0.0023 UJ	0.0024 UJ	0.002 UJ	0.002 UJ	0.002 UJ	0.0012 UJ	0.0011 UJ
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		14 J	0.2 J	1.8 J	1.6 J	1.2 J	5.2 J	26 J
Lead		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		41	37	29	30	22	22	35
Manganese		0.34 J	1.5	0.7	0.7	1.9	1.8 J	1.9 J
Mercury		0.00016 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00013 UJ	0.00015 UJ
Molybdenum		0.0042 J	0.01 U	0.0085 J	0.0063 J	0.01 U	0.0073 J	0.01 U
Nickel		0.0056 J	0.012 J	0.018 J	0.015 J	0.011 J	0.012 J	0.04 U
Potassium		5.3	12 J	10 J	10 J	6.4 J	4.8	6.1
Selenium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		15 J	19 J	17 J	17 J	11 J	8.9 J	17 J
Thallium		0.01 U	0.01 U	0.0054 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc		0.012 UJ	0.006 UJ	0.02 U	0.02 U	0.0097 UJ	0.0064 UJ	0.02 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
	Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.2 U	0.2 U	1.4	33	1.1 J	0.20 U	2.1 J
Antimony		0.02 U	0.02 U	0.02 U	0.02 U	0.020 U	0.020 U	0.0062 J
Arsenic		0.01 U	0.01 U	0.0038 UJ	0.034 J	0.59	0.010 U	0.33
Barium		0.01 U	0.21 J	0.46 J	0.96 J	0.17 J	0.010 U	0.17 J
Beryllium		0.004 U	0.004 U	0.004 U	0.0016 J	0.0040 U	0.0040 U	0.0040 U
Cadmium		0.005 U	0.005 U	0.005 U	0.0016 J	0.0050 U	0.0050 U	0.0050 U
Calcium		0.28 J	170 J	200 J	210 J	170 J	0.38 J	190 J
Chromium		0.01 U	0.01 U	0.0099 J	0.57	0.018 J	0.010 U	0.0042 UJ
Cobalt		0.01 U	0.01 U	0.0072 J	0.034	0.010 U	0.010 U	0.0027 J
Copper		0.00099 J	0.00093 UJ	0.0042 UJ	0.1 J	0.023 J	0.020 U	0.012 J
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U
Iron		0.031 J	23 J	28 J	110 J	6.4 J	0.026 J	18 J
Lead		0.005 U	0.005 U	0.004 J	0.045	0.0019 J	0.0050 U	0.0050 U
Magnesium		0.5 U	37	43	53	37	0.50 U	56
Manganese		0.01 U	1.2 J	1.5 J	2 J	0.45 J	0.010 U	0.72 J
Mercury		0.00012 J	0.00014 UJ	0.00018 UJ	0.00014 UJ	0.00020 J	0.00020 U	0.00020 U
Molybdenum		0.01 U	0.01 U	0.0026 J	0.071	0.0045 J	0.010 U	0.0051 J
Nickel		0.04 U	0.04 U	0.016 J	0.15	0.13 J	0.040 U	0.72 J
Potassium		1 U	6.1	6.4	14	5.5	1.0 U	7.8
Selenium		0.01 U	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U
Sodium		0.45 J	15 J	14 J	16 J	22	0.48 J	29 J
Thallium		0.0064 J	0.01 U	0.01 U	0.01 U	0.010 U	0.010 U	0.010 U
Vanadium		0.01 U	0.01 U	0.0051 J	0.091	0.0060 J	0.010 U	0.0068 J
Zinc		0.011 J	0.02 U	0.029 U	0.47 J	0.11 U	0.089	0.054 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.20 U	0.20 U	0.20 U	0.041 J	0.20 U	1.0 J	1.4
Antimony	0.020 U	0.15	0.15	0.0059 J	0.020 U	0.0094 J	0.02 U
Arsenic	0.39	0.095	0.097	0.31	0.010 U	0.084	0.14
Barium	0.11 J	0.18 J	0.18 J	0.10 J	0.0037 J	0.73 J	0.31
Beryllium	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.004 U
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.005 U
Calcium	230 J	180 J	170 J	620 J	0.60	200 J	320 J
Chromium	0.010 U	0.010 U	0.010 U	0.0021 UJ	0.0027 J	0.11 J	0.0031 J
Cobalt	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0064 J	0.01
Copper	0.0036 UJ	0.0019 UJ	0.0015 UJ	0.0050 UJ	0.0018 J	0.042 J	0.0033 UJ
Cyanide, Total	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U
Iron	9.8 J	19 J	19 J	22 J	0.15	89 J	33 J
Lead	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0082	0.0028 J
Magnesium	45	49	48	37	0.50 U	43	71
Manganese	0.44 J	0.47 J	0.46 J	0.50 J	0.0024 J	1.8 J	3.7
Mercury	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.0002 U
Molybdenum	0.0032 J	0.0067 J	0.0061 J	0.053	0.010 U	0.13	0.0078 J
Nickel	0.042 U	0.25 J	0.24 J	0.23 J	0.012 J	0.26 J	0.048
Potassium	5.9	7.3	7.1	7.9	1.0 U	13	13 J
Selenium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U
Sodium	13 J	17 J	17 J	28 J	0.81	76 J	130 J
Thallium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U
Vanadium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0066 J	0.0045 J
Zinc	0.035 U	0.042 U	0.043 U	0.21 U	0.031	1.0 J	0.021 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.13 J	0.092 J	0.58	3	0.61	0.2 U	10
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.068	0.0081 J	0.0046 UJ	0.0045 UJ	0.0047 UJ	0.01 U	0.013 U
Barium	0.76	0.7	0.58 J	0.4 J	0.41 J	0.0033 J	1 J
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0017 J
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00072 J
Calcium	190 J	200 J	230 J	170 J	170 J	0.41 J	190 J
Chromium	0.01 U	0.0017 J	0.0077 J	0.024	0.0054 J	0.01 U	0.16
Cobalt	0.01 U	0.01 U	0.01 U	0.0023 J	0.01 U	0.01 U	0.027
Copper	0.0033 UJ	0.0016 UJ	0.003 UJ	0.0089 UJ	0.0043 UJ	0.0053 J	0.047 J
Cyanide, Total	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	65 J	59 J	34 J	30 J	26 J	0.073	190 J
Lead	0.005 U	0.005 U	0.005 U	0.0055 U	0.005 U	0.005 U	0.019
Magnesium	55	46	58	40	37	0.5 U	52
Manganese	1.4	2.1	3.4 J	3 J	2.5 J	0.0024 J	7.7 J
Mercury	0.0002 U	0.0002 U	0.00014 UJ	0.00016 UJ	0.000097 UJ	0.00015 J	0.00019 UJ
Molybdenum	0.01 U	0.01 U	0.0027 J	0.0058 J	0.0055 J	0.01 U	0.023
Nickel	0.04 U	0.04 U	0.0053 J	0.013 J	0.0082 J	0.04 U	0.09
Potassium	9.8 J	9.7 J	12	10	8.5	1 U	9.7
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	54 J	62 J	78 J	55 J	45 J	0.72	28 J
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.01 U	0.0028 J	0.0081 J	0.01 U	0.01 U	0.05
Zinc	0.0064 UJ	0.01 UJ	0.018 UJ	0.05 U	0.011 UJ	0.011 J	0.3 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
	Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.2 U	0.2 U	4.8	0.36 U	0.2 U	0.2 U	0.073 UJ
Antimony		0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U
Arsenic		0.01 U	0.0037 UJ	0.0047 UJ	0.01 U	0.041	0.029	0.005 J
Barium		1 J	1 J	1.1 J	0.047 J	0.079 J	0.16 J	0.23 J
Beryllium		0.004 U	0.004 U	0.004 U	0.0014 UJ	0.0014 UJ	0.0013 UJ	0.0013 UJ
Cadmium		0.005 U	0.005 U	0.005 U	0.07	0.005 U	0.005 U	0.005 U
Calcium		150 J	150 J	190 J	350 J	260 J	170 J	200 J
Chromium		0.01 U	0.01 U	0.089	0.01 U	0.01 U	0.01 U	0.0029 UJ
Cobalt		0.01 U	0.01 U	0.0057 J	0.047	0.04	0.0081 J	0.01 U
Copper		0.02 U	0.001 UJ	0.022 U	0.0042 UJ	0.02 U	0.00092 UJ	0.031 J
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.048
Iron		18 J	18 J	47 J	0.89 U	23 J	20 J	29
Lead		0.005 U	0.005 U	0.0065	0.0032 UJ	0.0021 UJ	0.005 U	0.0036 UJ
Magnesium		47	48	58	65	51	49	54
Manganese		0.4 J	0.4 J	0.98 J	7.4 J	2.3 J	1.2 J	1.7 J
Mercury		0.0002 U	0.00031 U	0.000086 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum		0.004 J	0.0033 J	0.016	0.0029 J	0.0031 J	0.01 U	0.01 U
Nickel		0.04 U	0.04 U	0.045	7.8	1	0.63	0.45
Potassium		6.7	7	8.5	13	11	11	11
Selenium		0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		21 J	21 J	24 J	120 J	60 J	43 J	45 J
Thallium		0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Vanadium		0.01 U	0.01 U	0.012	0.0027 J	0.01 U	0.01 U	0.01 U
Zinc		0.01 UJ	0.0081 UJ	0.24 J	33 J	3.6 J	3.6 J	1 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
	Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.066 UJ	2.7 J	7.4 J	0.20 U	8.2 J	5.6	4.3
Antimony		0.020 U	0.020 U	0.056	0.020 U	0.058	0.02 U	0.02 U
Arsenic		0.0046 J	0.0063 J	0.023	0.010 U	0.024	0.015	0.028
Barium		0.49 J	1.2 J	0.62 J	0.0025 J	0.63 J	0.59	0.54
Beryllium		0.00091 UJ	0.00087 UJ	0.00095 UJ	0.00066 J	0.00098 UJ	0.004 U	0.004 U
Cadmium		0.0050 U	0.0050 U	0.010	0.0050 U	0.012	0.00085 J	0.00093 J
Calcium		210 J	280 J	180 J	0.25 J	190 J	170 J	170 J
Chromium		0.010 U	0.022 J	0.041 J	0.0029 J	0.045 J	0.066	0.038
Cobalt		0.010 U	0.010	0.020	0.010 U	0.022	0.0078 J	0.0094 J
Copper		0.0014 UJ	0.018 J	3.0 J	0.0027 J	3.5 J	0.078 J	0.062 J
Cyanide, Total		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Iron		30 J	34 J	47 J	0.033 J	50 J	33 J	22 J
Lead		0.0050 U	0.019 J	3.6 J	0.0050 U	4.1 J	0.073	0.06
Magnesium		58	78	52	0.50 U	53	51	48
Manganese		1.9 J	2.5 J	0.87 J	0.0036 J	0.91 J	1.1	0.89
Mercury		0.00020 U	0.00020 U	0.00052	0.00020 U	0.00054	0.0002 U	0.0002 U
Molybdenum		0.010 U	0.0048 J	0.011	0.010 U	0.013	0.011	0.007 J
Nickel		0.0061 J	0.038 J	0.22	0.040 U	0.24	0.15	2
Potassium		11	12	9.4	1.0 U	9.4	9.2 J	9.1 J
Selenium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Silver		0.010 U	0.010 U	0.019	0.010 U	0.020	0.01 U	0.01 U
Sodium		57 J	69 J	29 J	0.38 J	28 J	28 J	28 J
Thallium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U
Vanadium		0.010 U	0.011	0.021	0.010 U	0.023	0.016	0.012
Zinc		0.021 U	0.15 J	5.7 J	0.0071 J	6.3 J	0.35 J	0.32 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	13	3.6	0.084 UJ	7.5 J	0.064 UJ	0.032 UJ	0.42 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.03	0.0078 J	0.01 U	0.011	0.011	0.01 U	0.01 U
Barium	0.43	0.13	0.33 J	0.37 J	0.16 J	0.12 J	0.21 J
Beryllium	0.00057 J	0.004 U	0.0013 UJ	0.0018 UJ	0.0014 UJ	0.0013 UJ	0.0013 UJ
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	170 J	520 J	240 J	250 J	200 J	240 J	270 J
Chromium	0.2	0.16	0.01 U	0.013 U	0.01 U	0.0018 UJ	0.004 UJ
Cobalt	0.01	0.024	0.01 U	0.0041 J	0.01 U	0.01 U	0.01 U
Copper	0.067 J	0.16 J	0.0015 UJ	0.0072 UJ	0.00092 UJ	0.0012 UJ	0.0019 UJ
Cyanide, Total	0.01 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	53	140 J	0.33 U	22 J	23 J	22 J	34 J
Lead	0.024	0.024 J	0.0027 UJ	0.0081 U	0.005 U	0.002 UJ	0.0029 UJ
Magnesium	49	210	33	80	67	44	63
Manganese	0.97	2.3	0.43 J	0.46 J	0.6 J	0.9 J	1.4 J
Mercury	0.00011 UJ	0.000074 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	0.029	0.036	0.011	0.0048 J	0.005 J	0.0063 J	0.0028 J
Nickel	0.48	27	0.04 U	0.015 J	0.04 U	0.04 U	0.04 U
Potassium	10 J	19 J	170	23	15	15	18
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	31 J	39 J	180 J	600 J	190 J	130 J	51 J
Thallium	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Vanadium	0.03	0.0088 J	0.01 U	0.02	0.01 U	0.01 U	0.01 U
Zinc	0.3 J	0.54 J	0.019 UJ	0.049 UJ	0.006 UJ	0.0096 UJ	0.01 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
	Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		0.63 J	0.060 UJ	0.080 J	0.074 UJ	1.6 J	3.5 J	5.1 J
Antimony		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic		0.010 U	0.0055 J	0.010 U	0.0054 J	0.0051 J	0.010 U	0.010 U
Barium		0.10 J	0.27 J	0.0036 J	0.27 J	0.28 J	0.52 J	0.56 J
Beryllium		0.00099 UJ	0.00081 UJ	0.0040 U	0.00091 UJ	0.0024 UJ	0.0040 U	0.0040 U
Cadmium		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium		290 J	200 J	0.67	200 J	170 J	140 J	140 J
Chromium		0.0073 UJ	0.0035 UJ	0.010 U	0.0026 UJ	0.017 J	0.033 J	0.050 J
Cobalt		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0023 J	0.0038 J
Copper		0.0027 UJ	0.0018 UJ	0.0017 J	0.0014 UJ	0.0075 UJ	0.0060 UJ	0.0088 UJ
Cyanide, Total		0.010 U	0.010 U	0.010 U	0.010 J	0.010 U	0.010 U	0.010 U
Iron		39 J	23 J	0.40	23	19 J	28 J	32 J
Lead		0.0016 UJ	0.0027 UJ	0.0050 U	0.0050 U	0.0043 UJ	0.0033 J	0.0059
Magnesium		72	58	0.50 U	58	49	29	29
Manganese		2.6 J	0.86 J	0.018	0.87 J	0.75 J	1.1 J	1.2 J
Mercury		0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum		0.0035 UJ	0.0053 UJ	0.010 U	0.0039 UJ	0.0043 J	0.012	0.018
Nickel		0.040 U	0.0049 J	0.040 U	0.040 U	0.0080 J	0.012 UJ	0.016 UJ
Potassium		13	9.1	1.0 U	9.2	7.9	9.3	9.9
Selenium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium		45 J	36 J	0.47 J	36 J	30 J	38 J	39 J
Thallium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium		0.0025 J	0.010 U	0.010 U	0.010 U	0.0045 J	0.0079 J	0.012
Zinc		0.019 UJ	0.019 UJ	0.015 J	0.014 UJ	0.035 U	0.35 J	0.52 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	1.8 J	0.46 J	0.11 J	0.13 J	9.8 J	10 J	0.21 UJ
Antimony	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.02 U	0.02 U
Arsenic	0.010 U	0.010 U	0.010 U	0.010 U	0.0068 J	0.0069 J	0.01 U
Barium	0.63 J	1.1 J	1.2 J	0.97 J	0.76 J	0.76 J	0.17 J
Beryllium	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.004 U	0.004 U	0.004 U
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.005 U	0.005 U	0.005 U
Calcium	130 J	140 J	160 J	150 J	140 J	130 J	140 J
Chromium	0.028 J	0.0074 UJ	0.0079 UJ	0.0018 UJ	0.18 J	0.17 J	0.01 U
Cobalt	0.0019 J	0.010 U	0.010 U	0.010 U	0.012	0.011	0.01 U
Copper	0.0059 UJ	0.0048 UJ	0.012 J	0.0016 UJ	0.029	0.025	0.001 J
Cyanide, Total	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Iron	23 J	19 J	20 J	14 J	47 J	45 J	0.71 J
Lead	0.0040 J	0.0016 J	0.0050 U	0.0050 U	0.013	0.012	0.005 U
Magnesium	35	43	48	43	40	40	33
Manganese	0.84 J	0.51 J	0.49 J	0.34 J	1 J	0.96 J	0.78 J
Mercury	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	0.011	0.0038 J	0.0055 J	0.010 U	0.028	0.027	0.0052 J
Nickel	0.010 UJ	0.0052 UJ	0.0062 UJ	0.040 U	0.065	0.061	0.012 J
Potassium	8.9	8.0	8.0	7.3	8	8.1	5.3
Selenium	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Sodium	51 J	35 J	20 J	22 J	16 J	16 J	12 J
Thallium	0.010 U	0.010 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Vanadium	0.0047 J	0.010 U	0.010 U	0.010 U	0.025	0.025	0.01 U
Zinc	0.18 J	0.15 UJ	0.26 J	0.060 UJ	0.3 J	0.26 J	0.02 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
	Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		4.8 J	0.19 UJ	0.052 UJ	0.83 J	0.34 J	0.53 J	29 J
Antimony		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic		0.0045 J	0.0041 J	0.006 J	0.01 U	0.01 U	0.01 U	0.021
Barium		0.31 J	0.19 J	0.22 J	0.4 J	0.14 J	0.14 J	0.88 J
Beryllium		0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0012 J
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		130 J	150 J	150 J	160 J	130 J	130 J	170 J
Chromium		0.0072 UJ	0.01 U	0.01 U	0.0087 UJ	0.0017 UJ	0.0079 UJ	0.3 J
Cobalt		0.0097 J	0.0077 J	0.01 U	0.01 U	0.01 U	0.01 U	0.032
Copper		0.0043 J	0.02 U	0.02 U	0.0028 J	0.02 U	0.0016 J	0.066
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		9.1 J	11 J	25 J	20 J	20 J	17 J	87 J
Lead		0.0077	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.035 J
Magnesium		39	29	32	35	36	42	51
Manganese		0.62 J	1.5 J	1.2 J	1.1 J	1.1 J	0.74 J	1.9 J
Mercury		0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum		0.01 U	0.01 U	0.01 U	0.0031 J	0.01 U	0.01 U	0.069
Nickel		0.023 J	0.0062 J	0.024 J	0.006 J	0.04 U	0.04 U	0.11
Potassium		6.2	7.6	5.3	7.4	5.4	4.7	14
Selenium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		10 J	18 J	12 J	10 J	9.2 J	9.6 J	14 J
Thallium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium		0.013	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.07
Zinc		0.036 J	0.02 U	0.02 U	0.016 UJ	0.02 UJ	0.0087 UJ	0.29 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/11/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	8.2 J	9.0 J	0.27 UJ	2.6 J	1.1 J	0.42 UJ	1.4 J
Antimony	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.01 U	0.0059 J	0.010 U	0.010 U	0.033	0.010	0.010 U
Barium	0.52 J	0.95	0.21 J	0.20 J	0.18 J	0.24 J	0.22 J
Beryllium	0.004 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Cadmium	0.005 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	140 J	130 J	120 J	140 J	140 J	140 J	110 J
Chromium	0.088 J	0.077 J	0.010 U	0.011 U	0.0053 UJ	0.0018 UJ	0.0088 UJ
Cobalt	0.0085 J	0.0098 J	0.010 U	0.0073 J	0.010 U	0.010 U	0.010 U
Copper	0.021	0.018 J	0.020 U	0.0023 J	0.0011 J	0.020 U	0.0014 J
Cyanide, Total	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	39 J	30 J	0.96 J	6.7 J	9.3 J	24 J	31 J
Lead	0.01 U	0.0087	0.0050 U	0.0026 J	0.0050 U	0.0050 U	0.0050 U
Magnesium	41	40	36	28	26	26	27
Manganese	1 J	0.76 J	0.13 J	1.3 J	1.4 J	0.97 J	1.0 J
Mercury	0.0002 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum	0.017	0.014	0.0033 J	0.0037 J	0.010 U	0.010 U	0.010 U
Nickel	0.038 J	0.042	0.0087 J	0.019 J	0.040 U	0.040 U	0.0051 J
Potassium	7.9	7.9	3.5	5.6	6.7	9.9	7.9
Selenium	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	13 J	16 J	6.5 J	4.8 J	13 J	10 J	8.8 J
Thallium	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.021	0.022	0.010 U	0.0069 J	0.010 U	0.010 U	0.0038 J
Zinc	0.11 J	0.085 J	0.020 U	0.019 UJ	0.0065 UJ	0.020 U	0.013 UJ

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	4.2 J	3.3 J	22 J	0.10 J	32 J	23 J	4.4 J
Antimony	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.0054 J	0.010 U	0.020	0.010 U	0.025	0.020	0.0089 J
Barium	0.27 J	0.24 J	0.67 J	0.0023 J	1.0 J	1.1 J	0.29 J
Beryllium	0.0040 U	0.0040 U	0.0010 J	0.0040 U	0.0016 J	0.0010 J	0.0040 U
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	130 J	130 J	160 J	0.63	200 J	160 J	180 J
Chromium	0.030 J	0.022 J	0.25 J	0.0026 J	0.41 J	0.27 J	0.0062 UJ
Cobalt	0.0021 J	0.0019 J	0.026	0.010 U	0.041	0.029	0.0053 J
Copper	0.0043 J	0.0029 J	0.048	0.020 U	0.073	0.050	0.0045 J
Cyanide, Total	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	28 J	26 J	73 J	0.063	110 J	82 J	8.7 J
Lead	0.0050 U	0.0050 U	0.029	0.0050 U	0.042	0.024	0.0027 J
Magnesium	32	31	42	0.50 U	52	46	42
Manganese	0.80 J	0.77 J	2.4 J	0.0028 J	3.7 J	2.8 J	0.36 J
Mercury	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum	0.0052 J	0.0040 J	0.039	0.010 U	0.064	0.047	0.0063 J
Nickel	0.013 J	0.0099 J	0.098	0.040 U	0.16	0.11	0.017 J
Potassium	7.1	6.9	11	1.0 U	14	11	6.6
Selenium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	10 J	10 J	14 J	0.76	15 J	15 J	7.7 J
Thallium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.0099 J	0.0084 J	0.055	0.010 U	0.088	0.057	0.014
Zinc	0.039 J	0.028 U	0.27 J	0.0062 J	0.51 J	0.37 J	0.022 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.70 J	3.7 J	0.51 J	0.87 J	2.5 J	11 J	11 J
Antimony	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.010 U	0.023	0.010 U	0.010 U	0.010 U	0.016	0.012
Barium	0.19 J	0.41 J	0.59 J	0.82 J	0.70 J	0.96	0.66
Beryllium	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.00058 UJ	0.0040 U
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	150 J	130 J	100 J	140 J	150 J	180 J	160 J
Chromium	0.010 U	0.0062 UJ	0.010 U	0.0066 UJ	0.019 J	0.085 J	0.10 J
Cobalt	0.0085 J	0.0042 J	0.010 U	0.010 U	0.0016 J	0.014	0.013
Copper	0.020 U	0.0016 J	0.020 U	0.0012 J	0.0027 J	0.028	0.028
Cyanide, Total	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	2.0 J	23 J	13 J	20 J	21 J	52 J	45 J
Lead	0.0050 U	0.0032 J	0.0050 U	0.0050 U	0.0050 U	0.020	0.019
Magnesium	27	27	21	30	35	43	45
Manganese	2.0	1.2 J	0.64 J	0.59 J	0.49 J	2.1 J	1.3 J
Mercury	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum	0.010 U	0.010 U	0.010 U	0.010 U	0.0048 J	0.013	0.017
Nickel	0.019 J	0.014 J	0.0049 J	0.0050 J	0.012 J	0.050	0.048
Potassium	7.1	6.1	6.8	6.0	6.2	8.8	8.4
Selenium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	6.8 J	13 J	27 J	27 J	23 J	17 J	12 J
Thallium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.010 U	0.0079 J	0.010 U	0.0022 J	0.0052 J	0.028	0.028
Zinc	0.0061 UJ	0.016 UJ	0.0059 UJ	0.012 UJ	0.020 UJ	0.14 J	0.16 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
	Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		13 J	0.43 J	0.35	2.5 J	8.2 J	0.20 U	3.7 J
Antimony		0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic		0.011	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0039 J
Barium		0.96	0.66	0.024	0.72	0.25	0.010 U	.22
Beryllium		0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.00070 UJ	0.00055 J	0.00071 UJ
Cadmium		0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium		140 J	120 J	24	120 J	260 J	0.11 J	160 J
Chromium		0.14 J	0.0061 J	0.0033 J	0.040 J	0.41 J	0.010 U	0.095 J
Cobalt		0.012	0.010 U	0.010 U	0.0025 J	0.0057 J	0.010 U	0.0016 J
Copper		0.035	0.020 U	0.0014 J	0.0071 J	0.025	0.020 U	0.0079 J
Cyanide, Total		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron		50 J	12 J	0.42	22 J	14 J	0.031 J	5.7 J
Lead		0.014	0.0050 U	0.0050 U	0.0050 U	0.0077	0.0050 U	0.0029 J
Magnesium		41	36	7.6	37	55	0.50 U	49
Manganese		0.95 J	0.24 J	0.025	0.38 J	0.091 J	0.010 U	0.040 J
Mercury		0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U
Molybdenum		0.035	0.0049 J	0.0037 J	0.016	0.0095 J	0.010 U	0.0045 J
Nickel		0.058	0.040 U	0.0052 J	0.022 J	0.087	0.040 U	0.043
Potassium		8.7	4.8	2.6	5.5	13	1.0 U	11
Selenium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium		13 J	12 J	13	12 J	43 J	0.42 J	44 J
Thallium		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.0053 J
Vanadium		0.029	0.010 U	0.0030 J	0.0064 J	0.027	0.010 U	0.012
Zinc		0.47 J	0.032 J	0.032	0.17 J	0.26 J	0.020 U	0.11 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.040 J	0.091 J	0.06 UJ	0.064 UJ	0.2 U	0.061 UJ	0.06 UJ
Antimony	0.020 U	0.020 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0059 J	0.010 U	0.027	0.031	0.0064 J	0.01 U	0.01 U
Barium	0.054	0.093	0.26	0.27	0.22	0.18	0.13
Beryllium	0.0040 U	0.0040 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.0050 U	0.0050 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001 J
Calcium	470 J	32 J	100 J	100 J	170	180 J	150 J
Chromium	0.010 UJ	0.014 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	0.0057 J	0.010 U	0.01 U	0.01 U	0.01 U	0.003 J	0.0041 J
Copper	0.020 U	0.011 J	0.01 J	0.027	0.0028 J	0.0026 J	0.0011 J
Cyanide, Total	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	23 J	0.24 J	9.2	11	17 J	2.4	1.9
Lead	0.0020 J	0.0052	0.077 J	0.18 J	0.005 U	0.0027 J	0.015 J
Magnesium	84	46	22	22	39	41	38
Manganese	2.9 J	0.0027 J	0.57	0.58	1.2	0.86	1.1
Mercury	0.00020 U	0.00020 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	0.0043 J	0.0052 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Nickel	9.6	0.039 J	0.04 U	0.04 U	0.04 U	0.0062 J	0.053
Potassium	14	17 J	4	4.1	6.8	5.7	5.7
Selenium	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	40 J	93 J	9.5	9.6	22	24	29
Thallium	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.010 U	0.0036 J	0.01 U	0.0025 J	0.01 U	0.01 U	0.01 U
Zinc	0.025 J	0.0092 J	2.3 J	5.8 J	0.12	0.075 J	0.95 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.3 J	0.18 UJ	0.17 UJ	0.082 UJ	0.2 U	0.2 U	4.9 J
Antimony	0.02 U	0.11	0.1	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.037	1.2	1.3	0.028	0.045	0.01 U	0.0097 J
Barium	0.57 J	0.071 J	0.056 J	0.13 J	0.4	0.01 U	0.92 J
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.0022 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00096 J
Calcium	330	710	730	260	270 J	0.32 J	480
Chromium	0.0042 J	0.003 J	0.003 J	0.01 UJ	0.01 UJ	0.01 U	0.0073 J
Cobalt	0.13	0.037	0.042	0.01 U	0.007 J	0.01 U	0.0028 J
Copper	0.018 J	0.0072 J	0.0054 J	0.02 U	0.001 UJ	0.02 U	0.01 J
Cyanide, Total	0.01 U	0.018	0.018	0.01 U	0.01 U	0.01 U	0.01 U
Iron	77 J	23 J	25 J	36 J	46 J	0.05 U	62 J
Lead	0.005 U	0.0085 U	0.0071 U	0.005 U	0.005 U	0.005 U	0.0092 U
Magnesium	60	39	40	79	52	0.5 U	110
Manganese	1.6 J	8.7 J	8.9 J	1.4 J	1.1	0.01 U	6.8 J
Mercury	0.0002 U	0.000087 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00013 J
Molybdenum	0.01 U	0.0057 J	0.0052 J	0.01 U	0.45	0.01 U	0.01 U
Nickel	0.67	0.4	0.46	0.0054 J	0.0059 J	0.04 U	0.0095 J
Potassium	27	26	26	12	3.5	1 U	26
Selenium	0.01 U	0.0077 J	0.0066 J	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	51	32	33	98	59	0.54	240
Thallium	0.006 UJ	0.01 U	0.0051 J	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.012 U	0.0036 J	0.0034 J	0.01 U	0.0037 J	0.01 U	0.022
Zinc	0.48	0.057 J	0.064 J	0.02 U	0.02 U	0.02 U	0.12 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
	Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		1.5 J	0.18 UJ	7.1 J	1.4 J	0.58	0.2 U	0.042 J
Antimony		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic		0.01 U	0.016	0.026	0.016	0.021 J	0.028	0.014
Barium		0.17 J	0.58 J	0.3 J	0.21 J	0.13 J	0.095	0.17
Beryllium		0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium		150	190	150	150	120	84	97
Chromium		0.0025 J	0.0078 J	0.013 J	0.0032 J	0.0053 J	0.01 UJ	0.01 UJ
Cobalt		0.0041 J	0.004 J	0.0075 J	0.01 U	0.0044 J	0.005 J	0.0019 J
Copper		0.0038 J	0.019 J	0.014 J	0.0029 J	0.0015 J	0.02 U	0.0016 J
Cyanide, Total		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron		2.1 J	64 J	42 J	28 J	6.4	6.5	1.4
Lead		0.0033 UJ	0.022 J	0.0092 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium		31	49	41	40	25	18	21
Manganese		0.32 J	1.2 J	1.2 J	1.1 J	2.4 J	0.83 J	0.27
Mercury		0.0002 U	0.00018 J	0.00012 J	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum		0.01 U	0.01 U	0.01 U	0.01 U	0.0052 J	0.0095 J	0.0079 J
Nickel		0.011 J	0.15	0.019 J	0.04 U	0.02 J	0.017 J	0.0049 J
Potassium		7.6	11	7 J	5.3 J	4	6.7	4.1
Selenium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium		37	88	31	30	16	18	16
Thallium		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium		0.005 J	0.0057 J	0.027 J	0.0054 J	0.01 U	0.01 U	0.01 U
Zinc		0.01 J	0.093 J	0.046 J	0.0082 J	0.02 U	0.019 J	0.02 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.031 J	0.15 UJ	0.2 U	0.61	1.5 J	0.041 UJ	5.5
Antimony	0.02 U	0.02 U	0.02 U	0.0086 J	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.01 U	0.042	0.014	4.3	0.0045 J	0.0042 J
Barium	0.16 J	0.13	0.13	0.42	0.021 J	0.12 J	0.47
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.0026 J	0.025 U	0.0021 J	0.005 U
Calcium	150	86	280	520	530	120	150
Chromium	0.01 UJ	0.01 UJ	0.01 UJ	0.022 J	0.01 UJ	0.01 UJ	0.018 J
Cobalt	0.0025 J	0.0016 J	0.01 U	0.14	0.22	0.0019 J	0.0093 J
Copper	0.02 U	0.02 U	0.02 U	0.011 J	0.044 J	0.02 U	0.0094 J
Cyanide, Total	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	0.1	0.28	56	270	290 J	0.48 J	11
Lead	0.005 U	0.005 U	0.003 J	0.024	0.1 U	0.005 U	0.008 U
Magnesium	38	15	60	49	160	21	29
Manganese	0.72 J	0.45	2.1 J	6.1 J	10 J	1.6 J	0.4
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	0.01 U	0.0057 J	0.01 U	0.056	0.01 U	0.01	0.01
Nickel	0.015 J	0.0067 J	0.04 U	0.12	180	0.15	0.024 J
Potassium	4.5	7.7	14	28	29	3.6	5.8
Selenium	0.01 U	0.01 U	0.01 U	0.005 J	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	12	19	230	150	47	15	28
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	0.0061 UJ	0.01 U	0.01 U
Vanadium	0.01 U	0.01 U	0.01 U	0.33	0.01 U	0.01 U	0.017
Zinc	0.011 J	0.02 U	0.02 U	1.3	1.2	0.54	0.037

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.2 U	4.0 J	0.70 J	17 J	7.3 J	3.2 J	4.6 J
Antimony	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.055 J	0.013 J	0.044 J	0.023 J	0.012 J	0.010 UJ	0.0047 J
Barium	0.34 J	0.54 J	0.25 J	0.55 J	0.35 J	0.43 J	0.38 J
Beryllium	0.004 U	0.0040 U	0.0040 U	0.0011 J	0.0040 U	0.0040 U	0.0040 U
Cadmium	0.005 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	100	130 J	80 J	130 J	100 J	140 J	170 J
Chromium	0.01 UJ	0.018 J	0.0044 J	0.082 J	0.030 J	0.0092 J	0.011 J
Cobalt	0.01 U	0.012 J	0.0042 J	0.020 J	0.0091 J	0.0072 J	0.010 J
Copper	0.02 U	0.011 J	0.0021 J	0.056 J	0.030 J	0.0047 J	0.0059 J
Cyanide, Total	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	27	12 J	7.6 J	42 J	18 J	6.7 J	8.4 J
Lead	0.005 U	0.015 J	0.0034 J	0.036 J	0.015 J	0.0047 J	0.0045 J
Magnesium	23	14 J	8.8 J	28 J	22 J	27 J	27 J
Manganese	1.1 J	1.7 J	0.85 J	1.4 J	1.0 J	0.35 J	1.2 J
Mercury	0.0002 U	0.00020 U	0.00020 U	0.00020 U	0.00038	0.00020 U	0.00020 U
Molybdenum	0.0031 J	0.0029 J	0.0092 J	0.013	0.0064 J	0.010 U	0.0067 J
Nickel	0.04 U	0.027 J	0.010 J	0.059	0.027 J	0.016 J	0.022 J
Potassium	6.3	16 J	6.4 J	9.1	6.2 J	5.6 J	4.8 J
Selenium	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	58	13	15	19	19	18	19
Thallium	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.01 U	0.014 J	0.0038 J	0.057 J	0.023 J	0.011 J	0.014 J
Zinc	0.02 U	0.051 J	0.012 J	0.17 J	0.061 J	0.026 J	0.030 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	2.0 J	4.3 J	0.20 U	0.028 UJ	0.20 U	1.5 J	0.051 UJ
Antimony	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Arsenic	0.010 UJ	0.011	0.012	0.0095 J	0.013	0.0085 J	0.0071 J
Barium	0.23 J	0.43 J	0.27 J	0.28 J	0.27 J	0.29 J	0.23 J
Beryllium	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Calcium	160 J	180	150	150	150	150	150
Chromium	0.0072 J	0.0097 J	0.010 U	0.010 U	0.010 U	0.0033 J	0.010 U
Cobalt	0.0095 J	0.014	0.0025 J	0.0023 J	0.0022 J	0.0023 J	0.010 U
Copper	0.0041 J	0.0068 UJ	0.020 U	0.020 U	0.020 U	0.0024 UJ	0.020 U
Cyanide, Total	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	5.2 J	14	5.6	5.5	5.4	8.7	6.9
Lead	0.0053 J	0.014	0.0050 U	0.0050 U	0.0050 U	0.0022 J	0.0050 U
Magnesium	36 J	39	29	29	29	30	29
Manganese	1.6 J	1.7 J	1.4 J	1.4 J	1.4 J	1.5 J	1.5 J
Mercury	0.00020 U	0.000091 J	0.000079 J	0.000086 J	0.000088 J	0.000094 J	0.00020 UJ
Molybdenum	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Nickel	0.017 J	0.034 J	0.0048 J	0.040 U	0.040 U	0.0048 J	0.040 U
Potassium	7.8 J	6.2	4.8	4.9	4.7	7.2	6.6
Selenium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sodium	26	17	17	17	17	24	24
Thallium	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Vanadium	0.0069 J	0.012	0.010 U	0.010 U	0.010 U	0.0038 J	0.010 U
Zinc	0.017 J	0.049	0.020 U	0.020 U	0.013 J	0.016 J	0.020 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
Aluminum	0.20 U	0.2 U	0.38 J	0.84 J	24	0.2 U	0.1 UJ
Antimony	0.020 U	0.02 U	0.020 U	0.020 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0072 J	0.01 U	0.010 U	0.010 U	0.014	0.01 U	0.01 U
Barium	0.22 J	0.27	0.65 J	0.70 J	0.97	0.27	0.11
Beryllium	0.0040 U	0.004 U	0.0040 U	0.0040 U	0.00097 J	0.004 U	0.004 U
Cadmium	0.0050 U	0.005 U	0.0050 U	0.0050 U	0.005 U	0.005 U	0.005 U
Calcium	140	330 J	120 J	120 J	180 J	330 J	100
Chromium	0.010 U	0.14 J	0.0051 J	0.0084 J	0.18 J	0.11 J	0.01 UJ
Cobalt	0.010 U	0.0072 J	0.010 U	0.010 U	0.018	0.0071 J	0.01 U
Copper	0.020 U	0.003 UJ	0.0023 J	0.0012 J	0.036 J	0.0029 UJ	0.02 U
Cyanide, Total	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Iron	6.8	1 J	8.4 J	9.9 J	57 J	0.8 J	0.073 J
Lead	0.0050 U	0.005 U	0.0050 U	0.0050 U	0.021	0.005 U	0.005 U
Magnesium	28	62	40	39	51	62	23
Manganese	1.4 J	1.2	0.32	0.35	1.2	1.2	0.074
Mercury	0.00010 J	0.0002 U	0.00020 UJ	0.00020 UJ	0.0002 U	0.0002 U	0.0002 U
Molybdenum	0.010 U	0.01 U	0.0035 J	0.0062 J	0.028	0.01 U	0.01 U
Nickel	0.040 U	0.17	0.040 U	0.0057 J	0.062	0.18	0.007 J
Potassium	6.3	170	4.3	4.5	12	170	2.5
Selenium	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Silver	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Sodium	23	100	26 J	25 J	27	100	8.5
Thallium	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U
Vanadium	0.010 U	0.01 U	0.010 U	0.0027 J	0.054	0.01 U	0.01 U
Zinc	0.020 U	0.02 U	0.042 J	0.083 J	0.077	0.02 U	0.02 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-6
Solutia
Sauget Area 1
Ground Water
Method 6010B/7470A/9010B Inorganic Data

Compound	Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
	Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
	Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Aluminum		17 J	0.46 J	0.041 UJ	5.4 J	2.4 J	0.20 U	0.044 UJ
Antimony		0.020 U	0.020 U	0.02 U	0.02 U	0.020 U	0.020 U	0.02 U
Arsenic		0.016	0.010 U	0.0084 J	0.0038 J	0.010 U	0.010 U	0.0067 J
Barium		0.77 J	0.37 J	0.55 J	0.86	0.34 J	0.010 U	0.54 J
Beryllium		0.00096 J	0.0040 U	0.004 U	0.004 U	0.0040 U	0.0040 U	0.004 U
Cadmium		0.0050 U	0.0050 U	0.005 U	0.005 U	0.0050 U	0.0050 U	0.005 U
Calcium		190 J	130 J	210	140 J	140 J	0.18 J	210
Chromium		0.17	0.0029 J	0.04 J	0.028	0.0055 J	0.010 U	0.014 J
Cobalt		0.015	0.010 U	0.01 U	0.0047 J	0.010 U	0.010 U	0.01 U
Copper		0.052	0.0014 J	0.02 U	0.0095 J	0.0023 J	0.020 U	0.02 U
Cyanide, Total		0.010 U	0.010 U	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U
Iron		80 J	12 J	32 J	20 J	20 J	0.021 J	32 J
Lead		0.022	0.0050 U	0.005 U	0.0061	0.0050 U	0.0050 U	0.005 U
Magnesium		53	32	54	41	35	0.50 U	53
Manganese		1.6	1.2	1.3 J	0.58	0.62	0.010 U	1.4 J
Mercury		0.00020 UJ	0.00020 UJ	0.0002 U	0.0002 U	0.00020 UJ	0.00020 UJ	0.0002 U
Molybdenum		0.049	0.0028 J	0.01 U	0.0067 J	0.010 U	0.010 U	0.01 U
Nickel		0.056	0.040 U	0.0051 J	0.013 J	0.010 J	0.040 U	0.04 U
Potassium		12	6.0	12	6.4	6.6	1.0 U	12
Selenium		0.010 U	0.010 U	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U
Silver		0.010 U	0.010 U	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U
Sodium		30 J	20 J	85	18 J	25 J	0.55	89
Thallium		0.010 U	0.010 U	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U
Vanadium		0.050	0.0026 J	0.01 U	0.016	0.0076 J	0.010 U	0.01 U
Zinc		1.0 J	0.037 J	0.02 U	0.065 J	0.016 J	0.020 U	0.02 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-62-66FT	AA-GHL-S2-22-26FT	AA-GHL-S2-62-66FT
Sample Date	12/01/99	11/17/99	11/17/99	11/17/99	11/29/99	11/18/99	12/02/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.000188 J	0.0000089 M	0.0000054 M	0.0000112 M	0.0000421 J	0.0000046 U	0.0000405 U
1,2,3,4,6,7,8,9-OCDF	0.0000313 J	0.0000048 U	0.000003 M	0.000005 U	0.0000093 J	0.0000037 U	0.0000321 U
1,2,3,4,6,7,8-HpCDD	0.0000104 J	0.0000034 U	0.0000054 M	0.0000077 M	0.0000036 J	0.0000022 U	0.0000192 U
1,2,3,4,6,7,8-HpCDF	0.0000044 UJ	0.0000022 U	0.0000026	0.0000031 M	0.000002 UJ	0.000001 U	0.00001 U
1,2,3,4,7,8,9-HpCDF	0.0000057 UJ	0.0000031 U	0.0000014 U	0.0000026 U	0.0000026 UJ	0.0000015 U	0.0000156 U
1,2,3,4,7,8-HxCDD	0.000004 UJ	0.0000024 U	0.0000012 U	0.0000021 U	0.0000025 UJ	0.0000012 U	0.000009 U
1,2,3,4,7,8-HxCDF	0.0000031 UJ	0.0000016 U	0.0000017 M	0.0000014 U	0.0000015 UJ	0.0000007 U	0.000005 U
1,2,3,6,7,8-HxCDD	0.0000038 UJ	0.0000022 U	0.0000011 U	0.000002 U	0.0000023 UJ	0.0000011 U	0.0000087 U
1,2,3,6,7,8-HxCDF	0.0000028 UJ	0.0000014 U	0.0000007 U	0.0000022	0.0000014 UJ	0.0000007 U	0.0000046 U
1,2,3,7,8,9-HxCDD	0.0000039 UJ	0.0000024 U	0.0000012 U	0.0000021 U	0.0000024 UJ	0.0000012 U	0.0000093 U
1,2,3,7,8,9-HxCDF	0.0000034 UJ	0.0000018 U	0.0000009 U	0.0000017 U	0.0000016 UJ	0.0000009 U	0.0000062 U
1,2,3,7,8-PeCDD	0.0000033 UJ	0.0000025 U	0.0000016 U	0.0000022 U	0.0000026 UJ	0.0000015 U	0.0000074 U
1,2,3,7,8-PeCDF	0.0000024 UJ	0.0000019 U	0.0000012 U	0.0000021 U	0.000002 UJ	0.0000009 U	0.0000052 U
2,3,4,6,7,8-HxCDF	0.000003 UJ	0.0000016 U	0.0000018 U	0.0000014 U	0.0000015 UJ	0.0000008 U	0.0000052 U
2,3,4,7,8-PeCDF	0.0000025 UJ	0.0000019 U	0.0000013 U	0.0000021 U	0.0000021 UJ	0.0000009 U	0.0000051 U
2,3,7,8-TCDD	0.0000034 UJ	0.0000026 U	0.0000018 U	0.0000028 U	0.0000024 UJ	0.0000012 U	0.0000057 U
2,3,7,8-TCDF	0.000003 UJ	0.0000017 U	0.0000055	0.0000017 M	0.0000019 UJ	0.0000009 U	0.0000038 U
1998 Total TEQ w/ EMPC as ND	0.0000055614	0.0000038716	0.0000030955	0.0000039854	0.0000038941	0.0000019964	0.0000107726

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT	AA-GHL-S3-20-24FT	AA-GHL-S3-60-64FT	AA-GHL-S3-60-64FTEB	AA-H-S1-101-105FT
Sample Date	12/02/99	12/02/99	12/20/99	12/14/99	12/16/99	12/16/99	03/17/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000212 U	0.0000548 U	0.000107	0.0000069 U	0.0000073 U	0.0000751	0.27284
1,2,3,4,6,7,8,9-OCDF	0.0000168 U	0.0000434 U	0.0000133	0.0000056 U	0.0000063 U	0.000013	0.12223
1,2,3,4,6,7,8-HpCDD	0.0000109 U	0.0000214 U	0.0000122	0.000004 U	0.000004 U	0.0000054	0.04796
1,2,3,4,6,7,8-HpCDF	0.0000058 U	0.0000113 U	0.0000029 U	0.0000025 U	0.0000028 U	0.0000035	0.02024
1,2,3,4,7,8,9-HpCDF	0.0000091 U	0.0000176 U	0.0000042 U	0.0000036 U	0.0000044 U	0.0000031 U	0.00262 J
1,2,3,4,7,8-HxCDD	0.0000069 U	0.0000134 U	0.0000034 U	0.0000022 U	0.0000026 U	0.0000018 U	0.000182
1,2,3,4,7,8-HxCDF	0.0000043 U	0.0000072 U	0.0000024 U	0.0000016 U	0.0000018 U	0.0000013 U	0.00326 J
1,2,3,6,7,8-HxCDD	0.0000067 U	0.000013 U	0.0000031 U	0.000002 U	0.0000025 U	0.0000018 U	0.00144 J
1,2,3,6,7,8-HxCDF	0.0000039 U	0.0000066 U	0.0000022 U	0.0000015 U	0.0000018 U	0.0000012 U	0.000454
1,2,3,7,8,9-HxCDD	0.0000071 U	0.0000138 U	0.0000033 U	0.0000021 U	0.0000028 U	0.000002 U	0.000834
1,2,3,7,8,9-HxCDF	0.0000053 U	0.0000089 U	0.0000028 U	0.0000019 U	0.0000023 U	0.0000016 U	0.0000646 JM
1,2,3,7,8-PeCDD	0.0000072 U	0.0000129 U	0.0000025 U	0.0000014 U	0.0000019 U	0.0000014 U	0.000147 JM
1,2,3,7,8-PeCDF	0.000005 U	0.0000087 U	0.0000019 U	0.0000011 U	0.0000013 U	0.000001 U	0.0000333
2,3,4,6,7,8-HxCDF	0.0000045 U	0.0000075 U	0.0000024 U	0.0000016 U	0.0000019 U	0.0000014 U	0.000326 J
2,3,4,7,8-PeCDF	0.0000049 U	0.0000086 U	0.0000019 U	0.0000011 U	0.0000014 U	0.0000011 U	0.000222 J
2,3,7,8-TCDD	0.0000055 U	0.0000092 U	0.0000025 U	0.0000012 U	0.0000016 U	0.0000012 U	0.0000131 M
2,3,7,8-TCDF	0.0000041 U	0.0000068 U	0.0000021 U	0.000001 U	0.0000013 U	0.0000011 U	0.000083
1998 Total TEQ w/ EMPC as ND	0.0000099709	0.0000175339	0.000004277	0.0000023486	0.0000030392	0.0000023233	0.001601552

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB
Sample Date	03/13/00	03/10/00	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.000208	0.86337	0.0106	0.00269	0.00264	0.01765 J	0.0000506
1,2,3,4,6,7,8,9-OCDF	0.0000881	0.30155	0.00597	0.00122	0.0012	0.00764 J	0.0000201
1,2,3,4,6,7,8-HpCDD	0.0000315 M	0.10594	0.00153	0.000451	0.000426	0.00369	0.0000108
1,2,3,4,6,7,8-HpCDF	0.0000213	0.04578 M	0.00061	0.000231	0.000219	0.00148	0.000003 U
1,2,3,4,7,8,9-HpCDF	0.0000064 U	0.00845	0.000178	0.0000437	0.0000462	0.000214	0.0000043 U
1,2,3,4,7,8-HxCDD	0.0000034 U	0.000309	0.0000092 U	0.0000056	0.0000035 U	0.0000038 U	0.0000033 U
1,2,3,4,7,8-HxCDF	0.0000063	0.01521	0.00018	0.0000516	0.0000496	0.000172	0.0000026 U
1,2,3,6,7,8-HxCDD	0.0000034 U	0.00386	0.0000475	0.0000161	0.0000137	0.0000929	0.000003 U
1,2,3,6,7,8-HxCDF	0.0000027 U	0.00152	0.0000236 M	0.0000126 M	0.0000109	0.000029	0.0000024 U
1,2,3,7,8,9-HxCDD	0.0000037 U	0.00176 M	0.0000091 U	0.0000148	0.0000038 U	0.0000648	0.0000032 U
1,2,3,7,8,9-HxCDF	0.0000034 U	0.000427 M	0.0000075 U	0.000007 J	0.0000039 U	0.0000035 U	0.000003 U
1,2,3,7,8-PeCDD	0.000003 U	0.0000009 U	0.0000087 U	0.0000073	0.0000032 U	0.0000159	0.0000029 U
1,2,3,7,8-PeCDF	0.0000022 U	0.000495	0.0000056 U	0.0000075	0.0000024 U	0.0000111	0.000002 U
2,3,4,6,7,8-HxCDF	0.0000029 U	0.00104	0.0000176	0.0000176 J	0.0000131 J	0.00003 J	0.0000026 U
2,3,4,7,8-PeCDF	0.0000023 U	0.000942	0.0000215	0.0000126	0.000008	0.0000183	0.000002 U
2,3,7,8-TCDD	0.000003 U	0.0000299 M	0.0000075 U	0.0000035 U	0.0000032 U	0.0000028 U	0.0000029 U
2,3,7,8-TCDF	0.0000023 U	0.000247	0.0000052 U	0.0000058 U	0.0000047 U	0.0000072 JM	0.0000021 U
1998 Total TEQ w/ EMPC as ND	0.0000057821	0.004328392	0.000071067	0.000035563	0.000024081	0.000122969	0.0000047116

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-H-S1-93-97FT	AA-I-S1-17-21FT	AA-I-S1-57-61FT	AA-I-S1-97-101FT	AA-I-S1-97-101FTFD	AA-I-S2-16-20FT	AA-I-S2-56-60FT
Sample Date	03/16/00	12/14/99	12/16/99	12/21/99	12/21/99	12/03/99	12/08/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.00759 J	0.0000049 U	0.0000208	0.0000526 M	0.0000133 M	0.0000053 J	0.0000141 U
1,2,3,4,6,7,8,9-OCDF	0.01972	0.000004 U	0.0000058 U	0.0000212	0.0000099 U	0.0000021 UJ	0.0000116 U
1,2,3,4,6,7,8-HpCDD	0.00711	0.0000029 U	0.0000038 U	0.0000062 M	0.0000061 U	0.0000016 UJ	0.0000082 U
1,2,3,4,6,7,8-HpCDF	0.00374	0.0000018 U	0.0000026 U	0.0000033 U	0.0000047 U	0.0000011 UJ	0.0000056 U
1,2,3,4,7,8,9-HpCDF	0.000567	0.0000026 U	0.000004 U	0.0000045 U	0.0000063 U	0.0000014 UJ	0.0000081 U
1,2,3,4,7,8-HxCDD	0.0000222	0.0000018 U	0.0000022 U	0.0000038 U	0.0000042 U	0.0000012 UJ	0.0000066 U
1,2,3,4,7,8-HxCDF	0.00053	0.0000013 U	0.0000016 U	0.0000029 U	0.0000031 U	0.0000009 UJ	0.0000046 U
1,2,3,6,7,8-HxCDD	0.000174	0.0000016 U	0.0000022 U	0.0000033 U	0.0000036 U	0.0000012 UJ	0.0000057 U
1,2,3,6,7,8-HxCDF	0.0000743	0.0000012 U	0.0000015 U	0.0000026 U	0.0000028 U	0.0000008 UJ	0.000004 U
1,2,3,7,8,9-HxCDD	0.0000817	0.0000017 U	0.0000025 U	0.0000038 U	0.0000042 U	0.0000012 UJ	0.0000066 U
1,2,3,7,8,9-HxCDF	0.0000028 U	0.0000016 U	0.0000019 U	0.0000032 U	0.0000034 U	0.000001 UJ	0.0000053 U
1,2,3,7,8-PeCDD	0.0000201	0.0000013 U	0.0000016 U	0.0000031 U	0.0000043 U	0.000001 UJ	0.0000087 U
1,2,3,7,8-PeCDF	0.000018	0.000001 U	0.0000012 U	0.0000028 U	0.0000035 U	0.0000008 UJ	0.0000063 U
2,3,4,6,7,8-HxCDF	0.0000585 J	0.0000013 U	0.0000016 U	0.0000026 U	0.0000028 U	0.0000008 UJ	0.0000046 U
2,3,4,7,8-PeCDF	0.0000424	0.000001 U	0.0000013 U	0.0000025 U	0.0000031 U	0.0000009 UJ	0.0000064 U
2,3,7,8-TCDD	0.0000027 U	0.0000014 U	0.0000024 M	0.0000043 U	0.0000039 U	0.0000014 UJ	0.0000086 U
2,3,7,8-TCDF	0.0000133	0.0000011 U	0.0000013 U	0.0000029 U	0.0000031 U	0.0000011 UJ	0.0000063 U
1998 Total TEQ w/ EMPC as ND	0.000255991	0.0000022419	0.0000031494	0.0000057247	0.0000064092	0.0000018761	0.0000127033

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-I-S2-96-100FT	AA-I-S3-104-108FT	AA-I-S3-24-28FT	AA-I-S3-64-68FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD	AA-I-S4-66-70FT
Sample Date	12/13/99	12/13/99	12/03/99	12/07/99	03/07/00	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000232	0.0000132	0.0000035 JM	0.0000128 UJ	0.0000386	0.0000367	0.000209
1,2,3,4,6,7,8,9-OCDF	0.0000044 U	0.0000055 M	0.0000041 J	0.0000105 UJ	0.0000038 U	0.0000133	0.000223
1,2,3,4,6,7,8-HpCDD	0.0000035 U	0.0000023 U	0.0000021 UJ	0.0000069 UJ	0.0000029 U	0.0000021 U	0.0000255
1,2,3,4,6,7,8-HpCDF	0.0000044 M	0.0000015 U	0.0000014 UJ	0.0000035 UJ	0.0000018 U	0.0000012 U	0.0000261
1,2,3,4,7,8,9-HpCDF	0.0000029 U	0.0000021 U	0.0000018 UJ	0.000005 UJ	0.0000026 U	0.0000017 U	0.0000169
1,2,3,4,7,8-HxCDD	0.0000021 U	0.0000014 U	0.0000018 JM	0.0000042 UJ	0.0000022 U	0.0000015 U	0.0000021 U
1,2,3,4,7,8-HxCDF	0.000004 M	0.000001 U	0.0000016 JM	0.0000021 UJ	0.0000015 U	0.0000009 U	0.0000128
1,2,3,6,7,8-HxCDD	0.000002 U	0.0000013 U	0.0000014 UJ	0.0000038 UJ	0.000002 U	0.0000014 U	0.0000018 U
1,2,3,6,7,8-HxCDF	0.0000014 U	0.0000009 U	0.0000016 J	0.0000019 UJ	0.0000014 U	0.0000009 U	0.0000015 U
1,2,3,7,8,9-HxCDD	0.0000021 U	0.0000013 U	0.0000015 UJ	0.0000041 UJ	0.0000021 U	0.0000015 U	0.0000021 U
1,2,3,7,8,9-HxCDF	0.0000018 U	0.0000011 U	0.0000011 UJ	0.0000025 UJ	0.0000018 U	0.0000011 U	0.0000019 U
1,2,3,7,8-PeCDD	0.0000017 U	0.000001 U	0.0000012 UJ	0.0000028 UJ	0.0000023 U	0.0000015 U	0.0000017 U
1,2,3,7,8-PeCDF	0.0000013 U	0.0000007 U	0.0000023 JM	0.0000018 UJ	0.0000016 U	0.000001 U	0.0000013 U
2,3,4,6,7,8-HxCDF	0.0000015 U	0.000001 U	0.000001 UJ	0.0000021 UJ	0.0000015 U	0.000001 U	0.0000016 U
2,3,4,7,8-PeCDF	0.0000039	0.0000007 U	0.0000011 UJ	0.0000019 UJ	0.0000016 U	0.000001 U	0.0000013 U
2,3,7,8-TCDD	0.0000016 U	0.000001 M	0.0000016 UJ	0.000002 UJ	0.0000016 U	0.0000012 U	0.0000012 U
2,3,7,8-TCDF	0.0000064	0.0000008 U	0.0000015 UJ	0.0000016 UJ	0.0000013 U	0.0000009 U	0.0000009 U
1998 Total TEQ w/ EMPC as ND	0.000005074	0.0000016636	0.0000024146	0.0000041131	0.0000031206	0.000002115	0.0000044107

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT	AA-SW-S1-62-66FT
Sample Date	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99	11/04/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.000178	0.0000389	0.000244	0.0000354 JM	0.0000264	0.0000026 M	0.0000268
1,2,3,4,6,7,8,9-OCDF	0.000232	0.0000454	0.000351	0.0000029 UJ	0.0000051 M	0.0000019 U	0.0000073
1,2,3,4,6,7,8-HpCDD	0.0000399	0.0000039 U	0.0000417	0.0000046 J	0.0000013 U	0.0000016 U	0.0000037
1,2,3,4,6,7,8-HpCDF	0.0000234	0.0000022 U	0.0000285	0.0000017 UJ	0.0000009 U	0.0000009 U	0.0000025
1,2,3,4,7,8,9-HpCDF	0.0000182	0.0000032 U	0.0000175 M	0.0000025 UJ	0.0000012 U	0.0000014 U	0.0000019 U
1,2,3,4,7,8-HxCDD	0.0000047 U	0.0000026 U	0.0000018 U	0.000002 UJ	0.000001 U	0.0000013 U	0.0000016 U
1,2,3,4,7,8-HxCDF	0.0000121 M	0.0000017 U	0.0000158	0.0000012 UJ	0.0000007 U	0.0000013 M	0.0000013 M
1,2,3,6,7,8-HxCDD	0.0000044 U	0.0000024 U	0.0000017 U	0.0000018 UJ	0.0000009 U	0.0000011 U	0.0000015 U
1,2,3,6,7,8-HxCDF	0.0000028 U	0.0000016 U	0.0000011 U	0.0000011 UJ	0.0000007 U	0.00000076 M	0.0000011
1,2,3,7,8,9-HxCDD	0.0000047 U	0.0000026 U	0.0000018 U	0.0000019 UJ	0.000001 U	0.0000014 U	0.0000016 U
1,2,3,7,8,9-HxCDF	0.0000035 U	0.000002 U	0.0000014 U	0.0000015 UJ	0.0000008 U	0.000001 U	0.0000011 M
1,2,3,7,8-PeCDD	0.0000042 U	0.0000027 U	0.0000016 UJ	0.0000018 UJ	0.0000009 U	0.0000016 U	0.0000017 U
1,2,3,7,8-PeCDF	0.000003 U	0.0000018 U	0.000001 UJ	0.0000018 UJ	0.0000009 U	0.000001 U	0.0000012 U
2,3,4,6,7,8-HxCDF	0.000003 U	0.0000017 U	0.0000012 U	0.0000013 UJ	0.0000007 U	0.0000008 U	0.0000009 U
2,3,4,7,8-PeCDF	0.0000031 U	0.0000018 U	0.000001 UJ	0.0000019 UJ	0.000001 U	0.000001 U	0.0000012 U
2,3,7,8-TCDD	0.0000032 U	0.000002 U	0.00000089 JM	R	0.0000015 U	0.0000012 U	0.0000015 U
2,3,7,8-TCDF	0.0000025 U	0.0000015 U	0.0000012 UJ	R	0.0000013 U	0.000001 U	0.000001 U
1998 Total TEQ w/ EMPC as ND	0.000007291	0.0000037049	0.000004459	0.0000020289	0.0000018474	0.0000021277	0.0000025649

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Compound	Sample ID	AA-SW-S2-102-106FT	AA-SW-S2-22-26FT	AA-SW-S2-22-26FTFD	AA-SW-S2-62-66FT	AA-SW-S2-72-76FTEB	AA-SW-S3-22-26FT	AA-SW-S3-62-66FT
	Sample Date	11/15/99	11/09/99	11/10/99	11/10/99	11/11/99	11/10/99	11/12/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,2,3,4,6,7,8,9-OCDD		0.0000225 M	0.0000085 U	0.000042 J	0.0000184 J	0.0000128	0.0000078	0.0000158
1,2,3,4,6,7,8,9-OCDF		0.0000076	0.000006 U	0.00001 J	0.0000088 UJ	0.0000055 U	0.0000069 UJ	0.000014 U
1,2,3,4,6,7,8-HpCDD		0.0000026 U	0.0000046 U	0.0000034 UJ	0.0000067 UJ	0.0000038 U	0.0000052 U	0.0000106 U
1,2,3,4,6,7,8-HpCDF		0.0000015 U	0.0000025 U	0.000002 UJ	0.0000043 UJ	0.0000024 U	0.0000032 UJ	0.0000076 U
1,2,3,4,7,8,9-HpCDF		0.0000022 U	0.0000042 U	0.0000029 UJ	0.0000062 UJ	0.0000033 U	0.0000047 UJ	0.0000102 U
1,2,3,4,7,8-HxCDD		0.0000017 U	0.000003 U	0.0000022 UJ	0.0000043 UJ	0.0000023 U	0.0000035 UJ	0.0000061 U
1,2,3,4,7,8-HxCDF		0.000001 U	0.0000019 U	0.0000026 J	0.0000042 J	0.0000019 U	0.0000027 UJ	0.0000052 U
1,2,3,6,7,8-HxCDD		0.0000016 U	0.0000026 U	0.0000018 UJ	0.0000036 UJ	0.0000021 U	0.0000029 UJ	0.0000057 U
1,2,3,6,7,8-HxCDF		0.000001 U	0.0000017 U	0.0000013 UJ	0.0000028 J	0.0000017 U	0.0000022 UJ	0.0000047 U
1,2,3,7,8,9-HxCDD		0.0000017 U	0.000003 U	0.0000022 UJ	0.0000044 UJ	0.0000021 U	0.0000035 UJ	0.0000058 U
1,2,3,7,8,9-HxCDF		0.0000012 U	0.0000022 U	0.0000018 UJ	0.0000036 J	0.0000021 U	0.0000032 UJ	0.0000058 U
1,2,3,7,8-PeCDD		0.0000016 U	0.0000029 U	0.0000021 U	0.0000044 UJ	0.000002 U	0.0000038 U	0.0000043 U
1,2,3,7,8-PeCDF		0.0000012 U	0.0000025 U	0.0000017 U	0.0000032 UJ	0.0000016 U	0.0000032 U	0.0000037 U
2,3,4,6,7,8-HxCDF		0.000001 U	0.0000018 U	0.0000015 UJ	0.0000034 UJ	0.0000019 U	0.0000026 UJ	0.0000051 U
2,3,4,7,8-PeCDF		0.0000012 U	0.0000028 U	0.0000018 U	0.0000028 JM	0.0000016 U	0.0000035 U	0.0000037 U
2,3,7,8-TCDD		0.0000015 U	0.0000027 U	0.000002 U	0.0000041 UJ	0.0000028 U	0.0000039 UJ	0.0000049 U
2,3,7,8-TCDF		0.000001 U	0.0000019 U	0.0000014 U	0.0000029 UJ	0.000002 U	0.0000029 U	0.0000037 U
1998 Total TEQ w/ EMPC as ND		0.0000024234	0.0000045247	0.0000034592	0.0000071082	0.0000036941	0.0000060466	0.0000078668

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD	BR-H
Sample Date	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000064 M	0.0000113	0.0000042 JM	0.11233	0.0000864	0.44073	0.00063
1,2,3,4,6,7,8,9-OCDF	0.0000035 U	0.000003 M	0.0000024 U	0.08746	0.0000512	0.1927	0.00025
1,2,3,4,6,7,8-HpCDD	0.0000023 U	0.000007 U	0.0000017 UJ	0.01511	0.0000114	0.04063	0.0000745
1,2,3,4,6,7,8-HpCDF	0.0000015 U	0.0000025 M	0.000001 UJ	0.00756	0.0000064 M	0.01295 M	0.0000656
1,2,3,4,7,8,9-HpCDF	0.0000021 U	0.0000064 U	0.0000015 UJ	0.00548 U	0.0000065 U	0.00596 U	0.0000086 U
1,2,3,4,7,8-HxCDD	0.0000015 U	0.0000047 U	0.0000012 UJ	0.004 U	0.000005 U	0.00475 U	0.0000062 U
1,2,3,4,7,8-HxCDF	0.000001 U	0.0000032 U	0.00000091 JM	0.00376 U	0.0000033 U	0.00455 .	0.0000068
1,2,3,6,7,8-HxCDD	0.0000013 U	0.0000043 U	0.0000011 UJ	0.00351 U	0.0000047 U	0.00416 U	0.0000059 U
1,2,3,6,7,8-HxCDF	0.000001 U	0.0000029 U	0.0000007 UJ	0.00329 U	0.0000031 U	0.00344 U	0.0000038 U
1,2,3,7,8,9-HxCDD	0.0000014 U	0.0000047 U	0.0000011 UJ	0.00367 U	0.0000047 U	0.00435 U	0.0000058 U
1,2,3,7,8,9-HxCDF	0.0000012 U	0.0000037 U	0.0000009 UJ	0.00429 U	0.0000041 U	0.00448 U	0.000005 U
1,2,3,7,8-PeCDD	0.0000013 U	0.0000048 U	0.0000011 U	0.0027 U	0.0000064 U	0.00352 U	0.0000078 U
1,2,3,7,8-PeCDF	0.0000011 U	0.000004 U	0.0000008 U	0.00173 U	0.000003 U	0.00213 U	0.0000035 U
2,3,4,6,7,8-HxCDF	0.000001 U	0.0000032 U	0.0000008 UJ	0.0039 U	0.0000035 U	0.00408 U	0.0000043 U
2,3,4,7,8-PeCDF	0.0000011 U	0.0000041 U	0.0000009 U	0.00202 U	0.0000036 U	0.00249 U	0.0000042 U
2,3,7,8-TCDD	0.0000014 U	0.000005 U	0.0000011 U	0.0021 U	0.000004 U	0.00264 U	0.0000054 U
2,3,7,8-TCDF	0.0000011 U	0.0000033 U	0.0000008 U	0.00259 U	0.0000319	0.0077 U	0.0000043 U
1998 Total TEQ w/ EMPC as ND	0.0000021575	0.0000076058	0.0000017418	0.004672829	0.0000109772	0.006422943	0.0000117145

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	BR-I	DW-MCDO-I	DW-MCDO-IFD	DW-SCHM-I	DW-SETT-I	DW-WRIG-I	EE-01
Sample Date	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99	10/12/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.56075	0.0000063 M	0.0000167	0.0000131 M	0.0000081 U	0.0000073 M	0.00271
1,2,3,4,6,7,8,9-OCDF	0.21592	0.0000057 U	0.0000026 U	0.000005	0.0000057 U	0.0000034 U	0.00161
1,2,3,4,6,7,8-HpCDD	0.03732	0.0000036 U	0.0000018 M	0.0000012 U	0.0000034 U	0.0000023 U	0.00026
1,2,3,4,6,7,8-HpCDF	0.05061	0.0000018 U	0.000001 U	0.0000007 U	0.000002 U	0.0000012 U	0.000259
1,2,3,4,7,8,9-HpCDF	0.00961	0.0000027 U	0.0000015 U	0.000001 U	0.000003 U	0.0000018 U	0.000104
1,2,3,4,7,8-HxCDD	0.00196 U	0.000002 U	0.0000012 U	0.0000008 U	0.0000019 U	0.0000014 U	0.0000108 U
1,2,3,4,7,8-HxCDF	0.01713	0.0000014 U	0.0000024	0.0000015 M	0.0000015 U	0.0000014	0.000112
1,2,3,6,7,8-HxCDD	0.00172 U	0.0000019 U	0.0000012 U	0.0000008 U	0.0000018 U	0.0000013 U	0.0000205
1,2,3,6,7,8-HxCDF	0.00473	0.0000012 U	0.0000018 M	0.0000006 U	0.0000014 U	0.00000077 M	0.0000346
1,2,3,7,8,9-HxCDD	0.0018 U	0.0000021 U	0.0000025	0.0000009 U	0.000002 U	0.0000014 U	0.0000191 JM
1,2,3,7,8,9-HxCDF	0.00185 U	0.0000016 U	0.000002 M	0.0000008 U	0.0000019 U	0.0000017	0.0000206
1,2,3,7,8-PeCDD	0.0012 U	0.0000024 UJ	0.000003 JM	0.0000016 U	0.0000023 UJ	0.0000019 UJ	0.0000137 U
1,2,3,7,8-PeCDF	0.0035	0.0000015 U	0.0000009 U	0.000001 U	0.0000015 U	0.0000012 U	0.0000075 U
2,3,4,6,7,8-HxCDF	0.00442	0.0000014 U	0.0000017	0.0000006 U	0.0000016 U	0.0000009 U	0.0000258
2,3,4,7,8-PeCDF	0.00317	0.0000016 U	0.000001 U	0.0000009 U	0.0000016 U	0.0000013 U	0.000017 M
2,3,7,8-TCDD	0.000853 U	0.0000014 U	0.0000016 M	0.0000012 U	0.0000014 U	0.0000012 U	0.0000077 U
2,3,7,8-TCDF	0.000781 U	0.0000012 U	0.0000031	0.0000017 M	0.0000011 U	0.0000009 U	0.0000102
1998 Total TEQ w/ EMPC as ND	0.006873117	0.0000030186	0.0000038758	0.0000020507	0.0000029902	0.0000025756	0.0000456645

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	EE-02-GP	EE-02-GPEB	EE-03	EE-05	EE-05EB	EE-12-GP	EE-13-GP
Sample Date	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99	11/04/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000416	0.0000278	0.00421	0.18156 J	0.0000694	0.53785 J	0.02728
1,2,3,4,6,7,8,9-OCDF	0.0000024 U	0.0000089 U	0.000365	0.02243	0.0000048 M	0.30903 J	0.00198 J
1,2,3,4,6,7,8-HpCDD	0.0000022 U	0.0000076 U	0.0000954	0.00857	0.0000043 M	0.09338 J	0.00261
1,2,3,4,6,7,8-HpCDF	0.0000013 U	0.0000049 U	0.0000561	0.00341	0.0000007 U	0.06045 J	0.000332
1,2,3,4,7,8,9-HpCDF	0.000002 U	0.000007 U	0.0000015 U	0.000105	0.0000009 U	0.00401	0.0000406
1,2,3,4,7,8-HxCDD	0.0000015 U	0.0000049 U	0.0000016 U	0.000004 M	0.0000009 U	0.00023	0.0000039 U
1,2,3,4,7,8-HxCDF	0.0000025	0.0000037 U	0.0000086 M	0.0000246	0.0000006 U	0.00687	0.0000514
1,2,3,6,7,8-HxCDD	0.0000012 U	0.000004 U	0.0000014 U	0.000162	0.0000009 U	0.00205	0.0000345
1,2,3,6,7,8-HxCDF	0.0000008 U	0.0000032 U	0.0000018 M	0.0000172	0.0000005 U	0.000912	0.0000115
1,2,3,7,8,9-HxCDD	0.0000015 U	0.0000048 U	0.0000015 U	0.0000208 J	0.0000009 U	0.000821	0.0000038 U
1,2,3,7,8,9-HxCDF	0.0000011 U	0.0000056	0.0000012 U	0.0000014 U	0.0000007 U	0.0000547	0.0000034 U
1,2,3,7,8-PeCDD	0.0000014 U	0.0000045 U	0.0000017 U	0.0000068	0.0000012 U	0.000124	0.0000034 U
1,2,3,7,8-PeCDF	0.0000011 U	0.0000035 U	0.0000011 U	0.0000103 M	0.0000007 U	0.000156 JM	0.0000026 U
2,3,4,6,7,8-HxCDF	0.0000009 U	0.0000035 U	0.000001 U	0.0000314	0.0000006 U	0.000536	0.0000043 M
2,3,4,7,8-PeCDF	0.0000012 U	0.0000036 U	0.0000011 U	0.000005 M	0.0000007 U	0.000205	0.0000027 U
2,3,7,8-TCDD	0.0000012 U	0.0000042 U	0.0000011 U	0.0000039 M	0.0000007 U	0.0000032 U	0.0000032 U
2,3,7,8-TCDF	0.0000011 U	0.0000038 U	0.0000048	0.0000054 M	0.0000006 U	0.0000718	0.0000028 U
1998 Total TEQ w/ EMPC as ND	0.0000023143	0.0000073932	0.0000050175	0.0001776465	0.0000014641	0.003049638	0.000047442

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP	EEG-104
Sample Date	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99	10/08/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.39915 J	0.00118	0.000458	0.00132 J	0.000325	0.0000088 U	0.00736 J
1,2,3,4,6,7,8,9-OCDF	0.08439 J	0.000244	0.000048	0.000272 J	0.0001	0.0000078 U	0.00174 J
1,2,3,4,6,7,8-HpCDD	0.04082 J	0.000106	0.0000257	0.0000832 J	0.0000488	0.0000057 U	0.000595 J
1,2,3,4,6,7,8-HpCDF	0.01511	0.0000324	0.0000092	0.0000407 J	0.0000185	0.000005 U	0.000277 J
1,2,3,4,7,8,9-HpCDF	0.000609	0.0000023 U	0.0000012 U	0.0000039 UJ	0.0000228	0.0000072 U	0.0000333 J
1,2,3,4,7,8-HxCDD	0.0000283	0.0000016 U	0.000001 U	0.000003 UJ	0.0000057 U	0.000003 U	0.0000054 J
1,2,3,4,7,8-HxCDF	0.000233	0.0000011 U	0.0000007 U	0.0000055 JM	0.0000043 U	0.0000011	0.0000191 J
1,2,3,6,7,8-HxCDD	0.000645	0.0000015 U	0.0000009 U	0.0000029 UJ	0.0000053 U	0.0000029 U	0.0000177 J
1,2,3,6,7,8-HxCDF	0.0000617	0.000001 U	0.0000006 U	0.0000021 UJ	0.000004 U	0.0000021 U	0.0000086 J
1,2,3,7,8,9-HxCDD	0.000105	0.0000016 U	0.000001 U	0.0000032 UJ	0.0000055 U	0.0000032 U	0.0000145 J
1,2,3,7,8,9-HxCDF	0.0000016 U	0.0000013 U	0.0000008 U	0.0000027 UJ	0.0000048 U	0.0000025 U	0.0000024 UJ
1,2,3,7,8-PeCDD	0.0000104	0.0000014 U	0.0000009 U	0.0000036 UJ	0.0000076 U	0.000002 U	0.0000035 UJ
1,2,3,7,8-PeCDF	0.0000267 JM	0.0000012 U	0.0000008 U	0.0000022 UJ	0.0000044 U	0.0000013 U	0.000002 UJ
2,3,4,6,7,8-HxCDF	0.0000704	0.0000011 U	0.0000007 U	0.0000023 UJ	0.0000043 U	0.0000021 U	0.0000065 JM
2,3,4,7,8-PeCDF	0.0000485	0.0000012 U	0.0000008 U	0.0000023 UJ	0.0000047 U	0.0000013 U	0.0000068 J
2,3,7,8-TCDD	0.0000062 M	0.0000017 U	0.0000011 U	0.0000028 UJ	0.0000054 U	0.0000023 U	0.0000023 UJ
2,3,7,8-TCDF	0.0000237	0.0000013 U	0.0000009 U	0.0000026 UJ	0.0000047 U	0.0000017 U	0.0000072 J
1998 Total TEQ w/ EMPC as ND	0.0007689515	0.0000039429	0.0000019556	0.0000064627	0.0000106585	0.0000035828	0.000024008

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP	EEG-112
Sample Date	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99	10/08/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000083 M	0.00011 M	0.01757 J	0.000088	0.0000173 M	0.0000111 M	0.000205 JM
1,2,3,4,6,7,8,9-OCDF	0.0000037	0.0000321	0.00392 J	0.0000117 M	0.000006 M	0.0000086 U	0.0000384 JM
1,2,3,4,6,7,8-HpCDD	0.0000026 U	0.0000134	0.00318 J	0.0000082	0.000002 M	0.0000057 U	0.0000154 JM
1,2,3,4,6,7,8-HpCDF	0.0000016 U	0.0000238	0.00115 J	0.0000012 U	0.0000012 U	0.0000037 U	0.0000074 J
1,2,3,4,7,8,9-HpCDF	0.0000023 U	0.0000083 U	0.00485	0.0000017 U	0.0000016 U	0.0000053 U	0.0000027 UJ
1,2,3,4,7,8-HxCDD	0.000002 U	0.0000061 U	0.00196	0.000002 U	0.0000016 U	0.0000032 U	0.0000022 UJ
1,2,3,4,7,8-HxCDF	0.0000014 U	0.0000135	0.00232	0.0000011 U	0.000001 U	0.0000021 U	0.0000034 JM
1,2,3,6,7,8-HxCDD	0.0000017 U	0.0000057 U	0.00602	0.0000018 U	0.0000014 U	0.0000031 U	0.0000021 UJ
1,2,3,6,7,8-HxCDF	0.0000012 U	0.0000046 U	0.000808	0.000001 U	0.000001 U	0.000002 U	0.0000015 UJ
1,2,3,7,8,9-HxCDD	0.000002 U	0.0000059 U	0.00542 J	0.0000021 U	0.0000016 U	0.0000034 U	0.0000023 UJ
1,2,3,7,8,9-HxCDF	0.0000016 U	0.0000054 U	0.0000527 M	0.0000012 U	0.0000012 U	0.0000024 U	0.000002 UJ
1,2,3,7,8-PeCDD	0.0000021 U	0.0000064 U	0.00136	0.0000026 U	0.000002 U	0.0000021 U	0.0000027 UJ
1,2,3,7,8-PeCDF	0.0000014 U	0.0000044 U	0.000435 JM	0.0000014 U	0.0000011 U	0.0000013 U	0.0000017 UJ
2,3,4,6,7,8-HxCDF	0.0000013 U	0.0000048 U	0.000773	0.0000011 U	0.000001 U	0.0000021 U	0.0000028 JM
2,3,4,7,8-PeCDF	0.0000014 U	0.0000046 U	0.000432	0.0000014 U	0.0000011 U	0.0000013 U	0.0000017 UJ
2,3,7,8-TCDD	0.0000016 U	0.0000044 U	0.000221	0.0000016 U	0.0000013 U	0.0000022 U	0.000002 UJ
2,3,7,8-TCDF	0.0000015 U	0.000004 U	0.000125	0.0000011 U	0.0000009 U	0.0000015 U	0.0000018 UJ
1998 Total TEQ w/ EMPC as ND	0.0000029033	0.0000102572	0.003647059	0.0000031609	0.0000024627	0.000003572	0.0000038992

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT	SGW-S2-40FT
Sample Date	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99	10/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,3,4,6,7,8,9-OCDD	0.000017 JM	0.0000168 JM	0.0398 J	0.000125 J	0.0000151 U	0.0000261	0.000114
1,2,3,4,6,7,8,9-OCDF	0.0000045 UJ	0.0000061 UJ	0.01277 J	0.0000363 J	0.0000128 U	0.00002 U	0.0000248 M
1,2,3,4,6,7,8-HpCDD	0.0000017 M	0.0000037 U	0.00432	0.0000162	0.0000098 U	0.000014 U	0.000013 U
1,2,3,4,6,7,8-HpCDF	0.0000014 U	0.0000021 U	0.00174	0.0000016 U	0.000007 U	0.0000091 U	0.0000088 U
1,2,3,4,7,8,9-HpCDF	0.0000021 U	0.0000032 U	0.0000877	0.0000024 U	0.000009 U	0.0000118 U	0.0000114 U
1,2,3,4,7,8-HxCDD	0.0000019 U	0.0000024 U	0.0000118 U	0.0000024 U	0.0000081 U	0.0000113 U	0.0000107 U
1,2,3,4,7,8-HxCDF	0.0000012 M	0.0000017 M	0.0000644	0.0000022 M	0.0000055 U	0.000007 U	0.0000072 U
1,2,3,6,7,8-HxCDD	0.0000016 U	0.0000021 U	0.000181	0.0000023 M	0.0000076 U	0.0000105 U	0.00001 U
1,2,3,6,7,8-HxCDF	0.0000009 U	0.0000013 U	0.0000184 M	0.0000019	0.0000051 U	0.0000066 U	0.0000067 U
1,2,3,7,8,9-HxCDD	0.0000019 U	0.0000025 U	0.0000407	0.0000025 U	0.0000079 U	0.0000109 U	0.0000104 U
1,2,3,7,8,9-HxCDF	0.0000012 U	0.0000025 M	0.0000088 U	0.0000018 U	0.0000061 U	0.0000078 U	0.000008 U
1,2,3,7,8-PeCDD	0.0000024 U	0.0000032 U	0.0000059 M	0.0000034 U	0.0000077 U	0.0000097 U	0.0000104 U
1,2,3,7,8-PeCDF	0.0000013 U	0.0000017 U	0.000022	0.0000021 M	0.000005 U	0.000006 U	0.0000065 U
2,3,4,6,7,8-HxCDF	0.000001 U	0.0000014 U	0.0000413	0.0000018 M	0.0000054 U	0.0000069 U	0.0000071 U
2,3,4,7,8-PeCDF	0.0000013 U	0.0000017 U	0.0000077 U	0.0000018 U	0.0000053 U	0.0000063 U	0.0000068 U
2,3,7,8-TCDD	0.0000014 U	0.000002 U	0.0000075 U	0.0000021 U	0.0000059 U	0.000007 U	0.0000075 U
2,3,7,8-TCDF	0.0000011 U	0.0000016 U	0.0000283	0.0000017 U	0.0000047 U	0.0000057 U	0.0000058 U
1998 Total TEQ w/ EMPC as ND	0.0000028246	0.0000038886	0.000113979	0.0000043756	0.0000109004	0.0000135881	0.0000142861

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Compound	Sample ID	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR	TS-S2-24HR
	Sample Date	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00	03/30/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,2,3,4,6,7,8,9-OCDD		0.000057 M	0.0000333 M	0.0000219 M	0.0000094 M	0.0000651 JM	0.0000061 M	0.0000061 U
1,2,3,4,6,7,8,9-OCDF		0.0000135 JM	0.0000099 JM	0.0000141 JM	0.0000042 U	0.0000361 JM	0.0000037 U	0.0000051 U
1,2,3,4,6,7,8-HpCDD		0.0000027 U	0.0000041 U	0.0000053	0.0000035 U	0.0000047 U	0.0000032 U	0.0000044 U
1,2,3,4,6,7,8-HpCDF		0.0000016 U	0.0000027 U	0.0000023 U	0.0000021 U	0.0000029 U	0.0000021 U	0.0000027 U
1,2,3,4,7,8,9-HpCDF		0.0000021 U	0.0000035 U	0.000003 U	0.0000028 U	0.0000038 U	0.0000027 U	0.0000035 U
1,2,3,4,7,8-HxCDD		0.0000019 U	0.0000027 U	0.0000022 U	0.0000024 U	0.0000031 U	0.0000021 U	0.0000029 U
1,2,3,4,7,8-HxCDF		0.0000027 M	0.0000021 U	0.0000017 U	0.0000029 M	0.0000024 U	0.0000017 U	0.0000023 U
1,2,3,6,7,8-HxCDD		0.0000018 U	0.0000025 U	0.0000021 U	0.0000023 U	0.0000029 U	0.000002 U	0.0000027 U
1,2,3,6,7,8-HxCDF		0.0000013 U	0.0000019 U	0.0000016 U	0.0000017 U	0.0000022 U	0.0000016 U	0.0000021 U
1,2,3,7,8,9-HxCDD		0.0000018 U	0.0000026 U	0.0000022 U	0.0000024 U	0.000003 U	0.0000021 U	0.0000028 U
1,2,3,7,8,9-HxCDF		0.0000016 U	0.0000023 U	0.0000019 U	0.000002 U	0.0000026 U	0.0000019 U	0.0000025 U
1,2,3,7,8-PeCDD		0.0000017 U	0.0000024 U	0.0000056	0.0000025 U	0.0000027 U	0.0000019 U	0.0000027 U
1,2,3,7,8-PeCDF		0.0000034 M	0.0000018 U	0.0000015 U	0.0000017 U	0.000002 U	0.0000015 U	0.000002 U
2,3,4,6,7,8-HxCDF		0.0000014 U	0.000002 U	0.0000017 U	0.0000018 U	0.0000023 U	0.0000017 U	0.0000022 U
2,3,4,7,8-PeCDF		0.0000013 U	0.0000019 U	0.0000015 U	0.0000018 U	0.0000021 U	0.0000015 U	0.0000021 U
2,3,7,8-TCDD		0.0000015 U	0.000002 U	0.0000095	0.000002 U	0.0000024 U	0.0000017 U	0.0000023 U
2,3,7,8-TCDF		0.0000014 U	0.0000018 U	0.0000016 U	0.0000018 U	0.000002 U	0.0000015 U	0.000002 U
1998 Total TEQ w/ EMPC as ND		0.0000027406	0.0000036687	0.0000163438	0.0000036502	0.0000042121	0.000002983	0.0000041036

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Compound	Sample ID	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20	UGGW-EE-20-100FT
	Sample Date	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99	01/25/00
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,2,3,4,6,7,8,9-OCDD		0.00149 J	0.0000182 U	0.0000216 U	0.00489	0.000473	0.000152	0.00151
1,2,3,4,6,7,8,9-OCDF		0.0000976 J	0.0000148 U	0.0000176 U	0.00167	0.0000348	0.0000125 U	0.000231
1,2,3,4,6,7,8-HpCDD		0.0000333 J	0.0000089 U	0.0000121 U	0.00051	0.0000143	0.0000019 M	0.000111
1,2,3,4,6,7,8-HpCDF		0.0000118 JM	0.0000043 U	0.0000057 U	0.000234	0.0000008 U	0.0000027 M	0.0000258
1,2,3,4,7,8,9-HpCDF		0.0000018 U	0.0000062 U	0.0000081 U	0.0000144 M	0.0000011 U	0.0000032 U	0.0000046 U
1,2,3,4,7,8-HxCDD		0.0000019 U	0.000005 U	0.0000067 U	0.0000053 M	0.0000012 U	0.0000028 U	0.0000042 U
1,2,3,4,7,8-HxCDF		0.0000012 U	0.0000028 U	0.0000039 U	0.0000088 M	0.0000007 U	0.0000015 U	0.0000022 U
1,2,3,6,7,8-HxCDD		0.0000018 U	0.0000046 U	0.0000061 U	0.0000177	0.0000011 U	0.0000026 U	0.0000039 U
1,2,3,6,7,8-HxCDF		0.0000011 U	0.0000026 U	0.0000036 U	0.0000055	0.0000007 U	0.0000014 U	0.0000021 U
1,2,3,7,8,9-HxCDD		0.0000019 U	0.000005 U	0.0000066 U	0.0000174	0.0000011 U	0.0000028 U	0.0000041 U
1,2,3,7,8,9-HxCDF		0.0000014 U	0.0000033 U	0.0000046 U	0.0000015 U	0.0000008 U	0.0000017 U	0.0000026 U
1,2,3,7,8-PeCDD		0.000002 U	0.0000035 U	0.0000043 U	0.000003 M	0.0000015 U	0.0000035 U	0.0000033 U
1,2,3,7,8-PeCDF		0.0000015 U	0.000002 U	0.0000027 U	0.0000017 U	0.0000009 U	0.0000021 U	0.0000021 U
2,3,4,6,7,8-HxCDF		0.0000012 U	0.0000028 U	0.0000039 U	0.0000049 M	0.0000007 U	0.0000015 U	0.0000023 U
2,3,4,7,8-PeCDF		0.0000015 U	0.000002 U	0.0000028 U	0.0000017 U	0.0000009 U	0.0000022 U	0.0000021 U
2,3,7,8-TCDD		0.0000017 U	0.0000024 U	0.0000032 U	0.0000017 U	0.000001 U	0.0000019 U	0.0000025 U
2,3,7,8-TCDF		0.0000012 U	0.0000017 U	0.0000024 U	0.0000046	0.0000008 U	0.0000014 U	0.0000018 U
1998 Total TEQ w/ EMPC as ND		0.0000034073	0.0000049886	0.000006539	0.0000165305	0.0000020558	0.0000041423	0.0000062026

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-7
Solutia
Sauget Area 1
Ground Water
Method 8290 PCDD/PCDF Data

Sample ID	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	03/13/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound						
1,2,3,4,6,7,8,9-OCDD	0.000335	0.00069	0.0000056 U	0.0000191 U	0.0000106 U	0.000555
1,2,3,4,6,7,8,9-OCDF	0.000197	0.0000365 M	0.0000046 U	0.0000155 U	0.0000086 U	0.0000634
1,2,3,4,6,7,8-HpCDD	0.000056	0.0000192	0.0000033 U	0.0000095 U	0.0000058 U	0.0000183
1,2,3,4,6,7,8-HpCDF	0.0000336	0.0000015 U	0.0000016 U	0.0000046 U	0.0000029 U	0.0000166
1,2,3,4,7,8,9-HpCDF	0.0000103 M	0.0000021 U	0.0000024 U	0.0000066 U	0.0000041 U	0.0000041 U
1,2,3,4,7,8-HxCDD	0.0000048 U	0.0000019 U	0.0000022 U	0.0000049 U	0.0000037 U	0.0000033 U
1,2,3,4,7,8-HxCDF	0.0000101	0.0000011 U	0.0000013 U	0.000003 U	0.0000021 U	0.000002 U
1,2,3,6,7,8-HxCDD	0.0000047 U	0.0000018 U	0.000002 U	0.0000045 U	0.0000034 U	0.000003 U
1,2,3,6,7,8-HxCDF	0.000004 U	0.000001 U	0.0000012 U	0.0000027 U	0.000002 U	0.0000019 U
1,2,3,7,8,9-HxCDD	0.0000052 U	0.000002 U	0.0000021 U	0.0000049 U	0.0000036 U	0.0000035 U
1,2,3,7,8,9-HxCDF	0.0000051 U	0.0000012 U	0.0000015 U	0.0000035 U	0.0000025 U	0.0000023 U
1,2,3,7,8-PeCDD	0.0000044 U	0.0000027 U	0.0000017 U	0.0000032 U	0.0000029 U	0.0000043 U
1,2,3,7,8-PeCDF	0.0000035 U	0.0000014 U	0.0000012 U	0.0000021 U	0.0000019 U	0.0000025 U
2,3,4,6,7,8-HxCDF	0.0000043 U	0.000001 U	0.0000013 U	0.000003 U	0.0000021 U	0.000002 U
2,3,4,7,8-PeCDF	0.0000036 U	0.0000013 U	0.0000012 U	0.0000022 U	0.0000019 U	0.0000025 U
2,3,7,8-TCDD	0.0000047 U	0.0000015 U	0.0000012 U	0.0000021 U	0.0000022 U	0.0000022 U
2,3,7,8-TCDF	0.000004 U	0.0000011 U	0.000001 U	0.0000015 U	0.0000021 U	0.0000016 U
1998 Total TEQ w/ EMPC as ND	0.0000091532	0.0000032958	0.000002447	0.0000047578	0.0000042124	0.0000053488

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S1-102-106FT	AA-GHL-S1-107-111FT	AA-GHL-S1-12-16FT	AA-GHL-S1-22-26FT	AA-GHL-S1-22-26FTEB	AA-GHL-S1-22-26FTFD	AA-GHL-S1-32-36FT
Sample Date	12/01/99	12/02/99	11/16/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	1.6 J	0.89 J	5.0 U	0.88 J	5.0 U	1.0 J	11
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	5 U	5.0 U	0.64 J	5.0 U	0.78 J	11
Dibromochloromethane	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	0.51 J	4.7 U	4.7 U
Styrene	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5 U	5 U	13	7.1	5.0 U	7.8	5.0 U
Toluene	5 U	5 U	5.0 U	0.85 J	5.0 U	0.52 J	5.0 U
Trichloroethene	2.7 U	2.7 U	0.50 J	1.8 J	2.7 U	2.0 J	1.8 J
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	1.6	0.89	13.5	11.27	0.51	12.1	23.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S1-42-46FT	AA-GHL-S1-52-56FT	AA-GHL-S1-62-66FT	AA-GHL-S1-72-76FT	AA-GHL-S1-82-86FT	AA-GHL-S1-92-96FT	AA-GHL-S1-92-96FTFD
Sample Date	11/18/99	11/19/99	11/29/99	11/30/99	11/30/99	12/01/99	12/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	20	87	270 D	9.6	9.3	1.5 J	1.3 J
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0	1.3 J	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Toluene	5.0 U	5.0 U	5 U	5 U	5 U	0.54 J	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Total VOCs	25	88.3	270	9.6	9.3	2.04	1.3

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S2-12-16FT	AA-GHL-S2-22-26FT	AA-GHL-S2-32-36FT	AA-GHL-S2-32-36FTEB	AA-GHL-S2-42-46FT	AA-GHL-S2-52-56FT	AA-GHL-S2-62-66FT
Sample Date	11/18/99	11/18/99	11/19/99	11/19/99	11/19/99	11/29/99	11/30/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	10 J
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	14	88
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	0.55 J	1.9 J	7.5	5.0 U	5.0	4.3 J	21
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	2.2 J
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	8.9	1.6 J
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	0.56 J	5 U	0.94 J
Trichloroethene	0.79 J	1.6 J	2.5 J	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	7.5 J
Xylenes, Total	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
Total VOCs	1.34	3.5	10	ND	5.56	27.2	131.24

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S2-62-66FTFD	AA-GHL-S2-72-76FT	AA-GHL-S2-82-86FT	AA-GHL-S2-92-96FT	AA-GHL-S2-92-96FTEB	AA-GHL-S2-99-103FT	AA-GHL-S3-100-104FT
Sample Date	11/30/99	11/30/99	12/01/99	12/02/99	12/02/99	12/02/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	2.2	0.49 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	80	76	19	1.5 J	5 U	1.4 J	4.8 J
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	19	2.2 J	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	2.3 J	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1 J	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	7.1 J	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total VOCs	111.6	78.69	19	1.5	ND	1.4	4.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S3-110-114FT	AA-GHL-S3-20-24FT	AA-GHL-S3-30-34FT	AA-GHL-S3-30-34FTFD	AA-GHL-S3-40-44FT	AA-GHL-S3-50-54FT	AA-GHL-S3-60-64FT
Sample Date	12/21/99	12/14/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.91 J	5 U	5 U	5 U	5 U	5 U	8.8
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total VOCs	0.91	ND	ND	ND	ND	ND	8.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-GHL-S3-60-64FTEB	AA-GHL-S3-70-74FT	AA-GHL-S3-80-84FT	AA-GHL-S3-90-94FT	AA-H-S1-101-105FT	AA-H-S1-101-105FTEB	AA-H-S1-53-57FT
Sample Date	12/16/99	12/17/99	12/17/99	12/20/99	03/16/00	03/17/00	03/10/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5.0 U	5.0 U	3.7 J
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	16 J	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	0.57 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	3.1
Bromodichloromethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Bromoform	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	28	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	0.68 J	14	16	9.2	14	5.0 U	91
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5 U	5 U	5 U	5 U	5.0 U	5.0 U	13
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5 U	5 U	5 U	1.2 J	5.0 U	5.0 U	5.0 U
Toluene	1.4 J	0.73 J	5 U	5 U	0.63 J	5.0 U	2.2 J
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	1.8 J
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5 U	5 U	5.0 U	5.0 U	30
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Total VOCs	46.65	14.73	16	10.4	14.63	ND	144.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-H-S1-63-67FT	AA-H-S1-73-77FT	AA-H-S1-73-77FTFD	AA-H-S1-83-87FT	AA-H-S1-83-87FTEB	AA-H-S1-93-97FT	AA-I-S1-17-21FT
Sample Date	03/10/00	03/13/00	03/13/00	03/13/00	03/14/00	03/15/00	12/14/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	960
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	32 J
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	250 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	250 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	26	250 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	500 U
Benzene	1.3	7.5	11	18	1.2 U	140	620
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	98 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Chlorobenzene	66	63	92	230 D	5.0 U	600 D	1600
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	100 U
Chloroform	5.0 U	5.0 U	5.0 U	0.97 J	5.0 U	7.4	50 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	100 U
Cis/Trans-1,2-Dichloroethene	5.0 U	0.92 J	1.3 J	2.1 J	5.0 U	17	1200
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Ethylbenzene	5.0	2.0 J	2.7 J	3.8 J	5.0 U	18	870
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	47 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Toluene	0.88 J	3.8 J	5.7	6.5	5.0 U	46	18 J
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.5 J	27 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	970
Xylenes, Total	6.8	2.6 J	4.9 J	6.9	5.0 U	33	50 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U
Total VOCs	79.98	79.82	117.6	268.27	ND	889.9	6270

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S1-27-31FT	AA-I-S1-37-41FT	AA-I-S1-47-51FT	AA-I-S1-57-61FT	AA-I-S1-67-71FT	AA-I-S1-67-71FTEB	AA-I-S1-77-81FT
Sample Date	12/15/99	12/15/99	12/16/99	12/16/99	12/17/99	12/17/99	12/20/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,1,2,2-Tetrachloroethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,1,2-Trichloroethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,1-Dichloroethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,1-Dichloroethene	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,2-Dichloroethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
1,2-Dichloropropane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
2-Butanone (MEK)	2500 U	2500 U	250 U	2500 U	120 U	25 U	5000 U
2-Hexanone	2500 U	2500 U	250 U	2500 U	120 U	25 U	5000 U
4-Methyl-2-pentanone (MIBK)	2500 U	2500 U	250 U	2500 U	120 U	25 U	5000 U
Acetone	5000 U	5000 U	500 U	5000 U	250 U	50 U	10000 U
Benzene	290	120 U	190	120 U	12	1.2 U	140 J
Bromodichloromethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Bromoform	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Bromomethane	980 U	980 U	98 U	980 U	49 U	9.8 U	2000 U
Carbon disulfide	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Carbon tetrachloride	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Chlorobenzene	8700	9800	9400 D	20000	9900 D	5 U	34000
Chloroethane	1000 U	1000 U	100 U	1000 U	50 U	10 U	2000 U
Chloroform	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Chloromethane	1000 U	1000 U	100 U	1000 U	50 U	10 U	2000 U
Cis/Trans-1,2-Dichloroethene	500 U	500 U	310	500 U	25 U	5 U	1000 U
Dibromochloromethane	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Ethylbenzene	240 J	220 J	270	190 J	160	5 U	1000 U
Methylene chloride (Dichloromethane)	470 U	470 U	47 U	470 U	24 U	4.7 U	940 U
Styrene	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Tetrachloroethene	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Toluene	500 U	500 U	26 J	86 J	25 U	0.89 J	1000 U
Trichloroethene	270 U	270 U	27 U	270 U	14 U	2.7 U	540 U
Vinyl chloride	1000 U	1000 U	320	1000 U	50 U	10 U	2000 U
Xylenes, Total	500 U	500 U	23 J	500 U	25 U	5 U	1000 U
cis-1,3-Dichloropropene	100 U	100 U	10 U	100 U	5 U	1 U	200 U
trans-1,3-Dichloropropene	500 U	500 U	50 U	500 U	25 U	5 U	1000 U
Total VOCs	9230	10020	10539	20276	10072	0.89	34140

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S1-87-91FT	AA-I-S1-87-91FTFD	AA-I-S1-97-101FT	AA-I-S2-16-20FT	AA-I-S2-26-30FT	AA-I-S2-36-40FT	AA-I-S2-46-50FT
Sample Date	12/21/99	12/21/99	12/21/99	12/03/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
1,1,2-Trichloroethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
1,1-Dichloroethane	5 U	5 U	5 U	180	160	500 U	500 U
1,1-Dichloroethene	5 U	5 U	5 U	31	100 U	500 U	500 U
1,2-Dichloroethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
1,2-Dichloropropane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
2-Butanone (MEK)	25 U	25 U	25 U	120 U	500 U	2500 U	2500 U
2-Hexanone	25 U	25 U	25 U	120 U	500 U	2500 U	2500 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	120 U	500 U	2500 U	2500 U
Acetone	50 U	50 U	50 U	250 U	1000 U	5000 U	5000 U
Benzene	74	77	50	2.5 J	120	250	300
Bromodichloromethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Bromoform	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Bromomethane	9.8 U	9.8 U	9.8 U	49 U	200 U	980 U	980 U
Carbon disulfide	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Carbon tetrachloride	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Chlorobenzene	280 D	280 D	340 D	120	3200	12000	19000
Chloroethane	10 U	10 U	10 U	50 U	200 U	1000 U	1000 U
Chloroform	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Chloromethane	10 U	10 U	10 U	50 U	200 U	1000 U	1000 U
Cis/Trans-1,2-Dichloroethene	1 J	5 U	5 U	510	300	160 J	500 U
Dibromochloromethane	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Ethylbenzene	71	74	32	25 U	210	500 U	500 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	24 U	94 U	470 U	470 U
Styrene	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Tetrachloroethene	0.91 J	1 J	5 U	7.4 J	100 U	500 U	500 U
Toluene	5 U	0.52 J	0.88 J	25 U	100 U	500 U	500 U
Trichloroethene	2.7 U	2.7 U	2.7 U	180	54 U	270 U	270 U
Vinyl chloride	10 U	10 U	1.2 J	160	240	1000 U	1000 U
Xylenes, Total	14	14	10	25 U	100 U	500 U	500 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	5 U	20 U	100 U	100 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	25 U	100 U	500 U	500 U
Total VOCs	440.91	446.52	434.08	1190.9	4230	12410	19300

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S2-56-60FT	AA-I-S2-66-70FT	AA-I-S2-76-80FT	AA-I-S2-76-80FTEB	AA-I-S2-76-80FTFD	AA-I-S2-86-90FT	AA-I-S2-96-100FT
Sample Date	12/08/99	12/08/99	12/10/99	12/10/99	12/10/99	12/13/99	12/13/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
1,1,2,2-Tetrachloroethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
1,1,2-Trichloroethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
1,1-Dichloroethane	100 U	27 J	100 U	5.0 U	100 U	120 U	120 U
1,1-Dichloroethene	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
1,2-Dichloroethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
1,2-Dichloropropane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
2-Butanone (MEK)	500 U	500 U	500 U	25 U	500 U	620 U	620 U
2-Hexanone	500 U	500 U	500 U	25 U	500 U	620 U	620 U
4-Methyl-2-pentanone (MIBK)	500 U	500 U	500 U	25 U	500 U	620 U	620 U
Acetone	1000 U	1000 U	1000 U	50 U	1000 U	1200 U	1200 U
Benzene	200	270	120	1.2 U	120	60	50
Bromodichloromethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Bromoform	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Bromomethane	200 U	200 U	200 U	9.8 U	200 U	240 U	240 U
Carbon disulfide	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Carbon tetrachloride	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Chlorobenzene	13000 D	12000 D	11000 D	2.2 J	9200 D	7300 D	3300
Chloroethane	200 U	200 U	200 U	10 U	200 U	250 U	250 U
Chloroform	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Chloromethane	200 U	200 U	200 U	10 U	200 U	250 U	250 U
Cis/Trans-1,2-Dichloroethene	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Dibromochloromethane	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Ethylbenzene	37 J	47 J	100 U	5.0 U	100 U	120 U	120 U
Methylene chloride (Dichloromethane)	94 U	94 U	94 U	4.7 U	94 U	120 U	120 U
Styrene	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Tetrachloroethene	81 J	83 J	100 U	5.0 U	66 J	120 U	120 U
Toluene	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Trichloroethene	54 U	26 J	54 U	2.7 U	54 U	68 U	68 U
Vinyl chloride	200 U	17 J	200 U	10 U	200 U	250 U	250 U
Xylenes, Total	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
cis-1,3-Dichloropropene	20 U	20 U	20 U	1.0 U	20 U	25 U	25 U
trans-1,3-Dichloropropene	100 U	100 U	100 U	5.0 U	100 U	120 U	120 U
Total VOCs	13318	12470	11120	2.2	9386	7360	3350

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S3-104-108FT	AA-I-S3-110-114FT	AA-I-S3-24-28FT	AA-I-S3-34-38FT	AA-I-S3-44-48FT	AA-I-S3-54-58FT	AA-I-S3-64-68FT
Sample Date	12/13/99	12/14/99	12/03/99	12/06/99	12/06/99	12/07/99	12/07/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
1,1,2,2-Tetrachloroethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
1,1,2-Trichloroethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
1,1-Dichloroethane	120 U	25 U	5 U	3.2 J	26	150	78
1,1-Dichloroethene	120 U	25 U	5 U	2.1 J	46	330	9.8 J
1,2-Dichloroethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
1,2-Dichloropropane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
2-Butanone (MEK)	620 U	120 U	25 U	25 U	50 U	250 U	250 U
2-Hexanone	620 U	120 U	25 U	25 U	50 U	250 U	250 U
4-Methyl-2-pentanone (MIBK)	620 U	120 U	25 U	25 U	50 U	250 U	250 U
Acetone	1200 U	250 U	50 U	50 U	100 U	500 U	500 U
Benzene	52	23	1.2 U	1.2 U	4.9	45	74
Bromodichloromethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Bromoform	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Bromomethane	240 U	49 U	9.8 U	9.8 U	20 U	98 U	98 U
Carbon disulfide	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Carbon tetrachloride	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Chlorobenzene	4900 D	700	5 U	0.68 J	22	350	1800
Chloroethane	250 U	50 U	10 U	10 U	20 U	100 U	100 U
Chloroform	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Chloromethane	250 U	50 U	10 U	10 U	20 U	100 U	100 U
Cis/Trans-1,2-Dichloroethene	120 U	25 U	5 U	25	210	1400	69
Dibromochloromethane	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Ethylbenzene	120 U	25 U	5 U	5 U	10 U	50 U	8.6 J
Methylene chloride (Dichloromethane)	120 U	24 U	4.7 U	4.7 U	9.4 U	47 U	47 U
Styrene	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Tetrachloroethene	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Toluene	120 U	2.7 J	5 U	0.94 J	10 U	50 U	50 U
Trichloroethene	91	14 U	2.7 U	2.7 U	2.3 J	27 U	27 U
Vinyl chloride	250 U	50 U	10 U	10 U	5 J	39 J	190
Xylenes, Total	120 U	25 U	5 U	5 U	10 U	50 U	50 U
cis-1,3-Dichloropropene	25 U	5 U	1 U	1 U	2 U	10 U	10 U
trans-1,3-Dichloropropene	120 U	25 U	5 U	5 U	10 U	50 U	50 U
Total VOCs	5043	725.7	ND	31.92	316.2	2314	2229.4

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S3-74-78FT	AA-I-S3-84-88FT	AA-I-S3-84-88FTEB	AA-I-S3-84-88FTFD	AA-I-S3-94-98FT	AA-I-S4-56-60FT	AA-I-S4-56-60FTFD
Sample Date	12/08/99	12/09/99	12/10/99	12/09/99	12/10/99	03/07/00	03/07/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
1,1,2-Trichloroethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
1,1-Dichloroethane	64	34 J	5.0 U	32 J	250 U	5.0 U	5.0 U
1,1-Dichloroethene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
1,2-Dichloroethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
1,2-Dichloropropane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
2-Butanone (MEK)	250 U	250 U	25 U	250 U	1200 U	25 U	25 U
2-Hexanone	250 U	250 U	25 U	250 U	1200 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	250 U	250 U	25 U	250 U	1200 U	25 U	25 U
Acetone	500 U	500 U	50 U	500 U	2500 U	50 U	50 U
Benzene	72	68	1.2 U	69	53 J	1.2 U	1.2 U
Bromodichloromethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Bromoform	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Bromomethane	98 U	98 U	9.8 U	98 U	490 U	9.8 U	9.8 U
Carbon disulfide	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Carbon tetrachloride	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Chlorobenzene	3300 D	5500 D	5.0 U	5600 D	5100	14	13
Chloroethane	100 U	100 U	10 U	100 U	500 U	10 U	10 U
Chloroform	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Chloromethane	100 U	100 U	10 U	100 U	500 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Dibromochloromethane	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Ethylbenzene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	47 U	47 U	4.7 U	47 U	240 U	4.7 U	4.7 U
Styrene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Tetrachloroethene	24 J	32 J	5.0 U	50 U	250 U	5.0 U	5.0 U
Toluene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Trichloroethene	27 U	27 U	2.7 U	27 U	140 U	2.7 U	2.7 U
Vinyl chloride	130	43 J	10 U	42 J	500 U	10 U	10 U
Xylenes, Total	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	10 U	10 U	1.0 U	10 U	50 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	50 U	50 U	5.0 U	50 U	250 U	5.0 U	5.0 U
Total VOCs	3590	5677	ND	5743	5153	14	13

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-I-S4-66-70FT	AA-I-S4-76-80FT	AA-I-S4-86-90FT	AA-I-S4-96-100FT	AA-SW-S1-101-104FT	AA-SW-S1-101-104FTFD	AA-SW-S1-14-16FT
Sample Date	03/07/00	03/08/00	03/08/00	03/09/00	11/08/99	11/08/99	11/01/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
1,2-Dichloroethane	5.0 U	5.0 U	5 U	5.0 U	5 U	5 U	5 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	32	97	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Chlorobenzene	5.0 U	5.0 U	1.1 J	5.0 U	5 U	5 U	5 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	48	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Toluene	0.72 J	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	0.33 J	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5 U	18	5 U	5 U	5 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Total VOCs	0.72	ND	33.1	163	ND	0.33	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-SW-S1-24-26FT	AA-SW-S1-34-36FT	AA-SW-S1-42-46FT	AA-SW-S1-52-56FT	AA-SW-S1-62-66FT	AA-SW-S1-72-76FT	AA-SW-S1-82-86FT
Sample Date	11/02/99	11/02/99	11/03/99	11/03/99	11/04/99	11/04/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	28 J	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	15	9.6	9.3	6.7	5 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	1.1 J	1.4 J	0.65 J	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	0.81 J	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total VOCs	28	1.1	16.4	10.25	9.3	7.51	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-SW-S1-91-95FT	AA-SW-S2-102-106FT	AA-SW-S2-14-16FT	AA-SW-S2-22-26FT	AA-SW-S2-32-36FT	AA-SW-S2-42-46FT	AA-SW-S2-52-56FT
Sample Date	11/05/99	11/15/99	11/09/99	11/09/99	11/09/99	11/10/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	12	10
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	5.0 U	5.0 U	5.0 U	0.44 J	5.0 U	0.52 J
Dibromochloromethane	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	0.54 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	0.54	ND	ND	ND	0.44	12	10.52

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-SW-S2-62-66FT	AA-SW-S2-62-66FTFD	AA-SW-S2-72-76FT	AA-SW-S2-72-76FTEB	AA-SW-S2-82-86FT	AA-SW-S2-92-96FT	AA-SW-S3-14-16FT
Sample Date	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/12/99	11/10/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	0.57 J	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	0.60 J	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	8.4	7.2	4.7 J	5.0 U	0.93 J	5.0 U	5.0 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	0.32 J	2.7 U	0.64 J	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	8.72	7.2	6.51	ND	0.93	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-SW-S3-22-26FT	AA-SW-S3-32-36FT	AA-SW-S3-42-46FT	AA-SW-S3-52-56FT	AA-SW-S3-62-66FT	AA-SW-S3-72-76FT	AA-SW-S3-82-86FT
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	0.80 J	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	3.3	3.0	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	34	1.0 J	5.0 U	5.0 U	5.0 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	0.67 J	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	0.99 J	5.0 U	5.0 U	5.0 U
Trichloroethene	0.34 J	2.7 U	2.7 U	0.75 J	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	0.34	ND	37.97	6.54	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	AA-SW-S3-92-96FT	AA-SW-S3-96-99FT	AA-SW-S3-96-99FTEB	AA-SW-S3-96-99FTFD	BR-G	BR-GEB	BR-GFD
Sample Date	11/16/99	11/17/99	11/17/99	11/17/99	05/01/00	05/02/00	05/01/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	50	25 U	52
Acetone	50 U	50 U	50 U	50 U	38 J	50 U	41 J
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	55	1.2 U	53
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5 J	5.0 U	1.5 J
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	86	5.0 U	85
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.3	5.0 U	5.9
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	0.52 J	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.4	5.0 U	5.7
Toluene	5.0 U	0.81 J	2.6 J	5.0 U	6.0	5.0 U	5.4
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	0.64 J	2.7 U	0.78 J
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	3.7 J	3.8 J	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	ND	4.51	6.92	ND	251.34	ND	250.28

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	BR-H	BR-I	DW-MCDO-1	DW-MCDO-1FD	DW-SCHM-1	DW-SETT-1	DW-WRIG-1
Sample Date	05/01/00	04/25/00	10/21/99	10/21/99	10/22/99	10/21/99	10/21/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	120 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	120 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	120 U	25 U	25 U	25 U	25 U	25 U
Acetone	100	250 U	50 U	50 U	50 U	50 U	50 U
Benzene	9.4	63	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	9.8 U	49 U	9.8 UJ	9.8 UJ	9.8 U	9.8 UJ	9.8 UJ
Carbon disulfide	5.0 U	25 U	5 U	12	5 U	1.5 J	5 U
Carbon tetrachloride	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	110	240	5 U	5 U	5 U	5 U	5 U
Chloroethane	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	0.98 J	390	5 U	5 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5.0 U	20 J	5 U	5 U	5 U	5 U	5 U
Toluene	3.9 J	44	0.59 J	0.68 J	5 U	5 U	5 U
Trichloroethene	2.7 U	3.7 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	36	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1.0 U	5.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5.0 U	25 U	5 U	5 U	5 U	5 U	5 U
Total VOCs	224.28	796.7	0.59	12.68	ND	1.5	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	EE-01	EE-02-GP	EE-02-GPFD	EE-03	EE-05	EE-05EB	EE-12-GP
Sample Date	10/12/99	11/04/99	11/04/99	10/12/99	10/13/99	10/13/99	11/05/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
1,1,2,2-Tetrachloroethane	12 J	250 U	500 U	5 U	50 U	5 U	25 U
1,1,2-Trichloroethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
1,1-Dichloroethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
1,1-Dichloroethene	100 U	250 U	500 U	5 U	50 U	5 U	25 U
1,2-Dichloroethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
1,2-Dichloropropane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
2-Butanone (MEK)	500 U	1200 U	2500 U	25 U	250 U	25 U	120 U
2-Hexanone	500 U	1200 U	2500 U	25 U	250 U	25 U	120 U
4-Methyl-2-pentanone (MIBK)	500 U	1200 U	2500 U	25 U	250 U	25 U	120 U
Acetone	1000 U	2500 U	490 J	50 U	500 U	50 U	250 U
Benzene	1500	2200	2300	1.2 U	110	1.2 U	680
Bromodichloromethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Bromoform	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Bromomethane	200 U	490 U	980 U	9.8 U	98 U	9.8 U	49 U
Carbon disulfide	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Carbon tetrachloride	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Chlorobenzene	1200	4100	4600	14	620	5 U	1400 D
Chloroethane	200 U	500 U	1000 U	10 U	100 U	10 U	50 U
Chloroform	100 U	410	440 J	5 U	50 U	5 U	25 U
Chloromethane	200 U	500 U	1000 U	10 U	100 U	10 U	50 U
Cis/Trans-1,2-Dichloroethene	100 U	250 U	500 U	5 U	42 J	5 U	25 U
Dibromochloromethane	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Ethylbenzene	1800	250 U	500 U	5 U	50 U	5 U	4.6 J
Methylene chloride (Dichloromethane)	94 U	240 U	470 U	4.7 U	47 U	4.7 U	24 U
Styrene	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Tetrachloroethene	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Toluene	94 J	1500	1600	5 U	970	5 U	5 J
Trichloroethene	54 U	40 J	59 J	2.7 U	18 J	2.7 U	14 U
Vinyl chloride	200 U	500 U	1000 U	10 U	100 U	10 U	50 U
Xylenes, Total	200	250 U	500 U	5 U	50 U	5 U	14 J
cis-1,3-Dichloropropene	20 U	50 U	100 U	1 U	10 U	1 U	5 U
trans-1,3-Dichloropropene	100 U	250 U	500 U	5 U	50 U	5 U	25 U
Total VOCs	4806	8250	9489	14	1760	ND	2103.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	EE-13-GP	EE-14-GP	EE-15-GP	EE-15-GPFD	EEG-101	EEG-102	EEG-103-GP
Sample Date	11/04/99	11/05/99	11/08/99	11/08/99	10/08/99	10/07/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	120 U	11	11	5 U	5 U	5 U
1,1-Dichloroethene	5 U	120 U	10 U	10 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	620 U	50 U	50 U	25 U	25 U	25 U
2-Hexanone	25 U	620 U	50 U	50 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	620 U	50 U	50 U	25 U	25 U	25 U
Acetone	50 U	1200 U	100 U	100 U	50 U	50 U	50 U
Benzene	1.2 U	750	4	3.8	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Bromoform	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Bromomethane	9.8 U	240 U	20 U	20 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Chlorobenzene	5 U	3800	200	190	5 U	11	5 U
Chloroethane	10 U	250 U	20 U	20 U	10 U	10 U	10 U
Chloroform	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Chloromethane	10 U	250 U	20 U	20 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	160	66	62	5 U	5 U	5 U
Dibromochloromethane	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Ethylbenzene	5 U	83 J	10 U	10 U	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	120 U	9.4 U	9.4 U	4.7 U	4.7 U	4.7 U
Styrene	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Tetrachloroethene	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Toluene	5 U	42 J	10 U	10 U	5 U	5 U	5 U
Trichloroethene	2.7 U	68 U	0.59 J	0.72 J	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	250 U	20 U	20 U	10 U	10 U	10 U
Xylenes, Total	5 U	120 U	10 U	10 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	1 U	25 U	2 U	2 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	120 U	10 U	10 U	5 U	5 U	5 U
Total VOCs	ND	4835	281.59	267.52	ND	11	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	EEG-104	EEG-105-GP	EEG-106	EEG-107	EEG-109	EEG-110	EEG-111-GP
Sample Date	10/08/99	11/02/99	10/07/99	10/07/99	10/11/99	10/11/99	11/03/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	120 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	120 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	1300	50	25 U	25 U
Acetone	50 U	50 U	50 U	590	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	9.3	3700 D	44	1.2 U	1.2 U
Bromodichloromethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	49 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Carbon tetrachloride	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	180	4300 D	2.8 J	5 U	5 U
Chloroethane	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	25 U	76	5 U	5 U
Chloromethane	10 U	10 U	10 U	50 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5 U	5 U	5 U	190	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	32	5 U	5 UJ	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	24 U	3.6 J	3.2 J	4.7 U
Styrene	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	170	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	8500 D	5 U	5 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	200	1.6 J	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	41 J	10 U	10 U	10 U
Xylenes, Total	5 U	5 U	5 U	130	3.8 J	5 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	25 U	5 U	5 U	5 U
Total VOCs	ND	ND	189.3	19153	181.8	3.2	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	EEG-112	SGW-S1-15FT	SGW-S1-20FT	SGW-S1-40FT	SGW-S1-40FTFD	SGW-S2-15FT	SGW-S2-20FT
	Sample Date	10/08/99	10/14/99	10/14/99	10/14/99	10/14/99	10/15/99	10/15/99
	Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)		25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone		25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)		25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone		50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene		1.9	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane		9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene		2.8 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)		4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene		2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs		4.7	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	SGW-S2-40FT	TS-S1-0HR	TS-S1-12HR	TS-S1-12HRFD	TS-S1-24HR	TS-S2-0HR	TS-S2-12HR
Sample Date	10/15/99	03/29/00	03/29/00	03/29/00	03/30/00	03/29/00	03/29/00
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	0.64 J
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total VOCs	ND	ND	ND	ND	ND	ND	0.64

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	TS-S2-24HR	UGGW-EE-04	UGGW-EE-04-100FT	UGGW-EE-04-100FTFD	UGGW-EE-04-60FT	UGGW-EE-04FD	UGGW-EE-20
Sample Date	03/30/00	10/13/99	01/27/00	01/27/00	10/13/99	10/13/99	10/18/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1-Dichloroethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,1-Dichloroethene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,2-Dichloroethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
1,2-Dichloropropane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	6.4	6.7	1.2 U	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Bromoform	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 UJ
Carbon disulfide	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Carbon tetrachloride	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Chlorobenzene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Dibromochloromethane	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Ethylbenzene	5.0 U	5 U	1.6 J	1.6 J	5 U	5 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Tetrachloroethene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Toluene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5 U	11	11	5 U	5 U	5 U
cis-1,3-Dichloropropene	1.0 U	1 U	1.0 U	1.0 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5.0 U	5 U	5.0 U	5.0 U	5 U	5 U	5 U
Total VOCs	ND	ND	19	19.3	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 1-1
Solutia
Sauget Area 1
Ground Water
Method 8260B Volatile Organic Compound Data

Sample ID	UGGW-EE-20-100FT	UGGW-EE-20-60FT	UGGW-EEG-108	UGGW-EEG-108-100FT	UGGW-EEG-108-60FT	UGGW-EEG-108-60FTEB	UGGW-EEG-108FD
Sample Date	01/25/00	01/24/00	10/11/99	01/31/00	01/28/00	01/28/00	10/11/99
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,1,1-Trichloroethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,1,2-Trichloroethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,1-Dichloroethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,1-Dichloroethene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,2-Dichloroethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
1,2-Dichloropropane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
2-Butanone (MEK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acetone	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	1.2 U	1.2 U	1.2 U	0.99 J	0.47 J	1.2 U	1.2 U
Bromodichloromethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Bromoform	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Bromomethane	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
Carbon disulfide	5.0 U	5.0 U	13	5 U	5.0 U	5.0 U	5 U
Carbon tetrachloride	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Chlorobenzene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Chloroethane	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Chloroform	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Dibromochloromethane	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Ethylbenzene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Methylene chloride (Dichloromethane)	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Tetrachloroethene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Toluene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Trichloroethene	2.7 U	2.7 U	2.7 U	2.7 U	0.57 J	2.7 U	2.7 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes, Total	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	5.0 U	5.0 U	5 U	5 U	5.0 U	5.0 U	5 U
Total VOCs	ND	ND	13	0.99	1.04	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

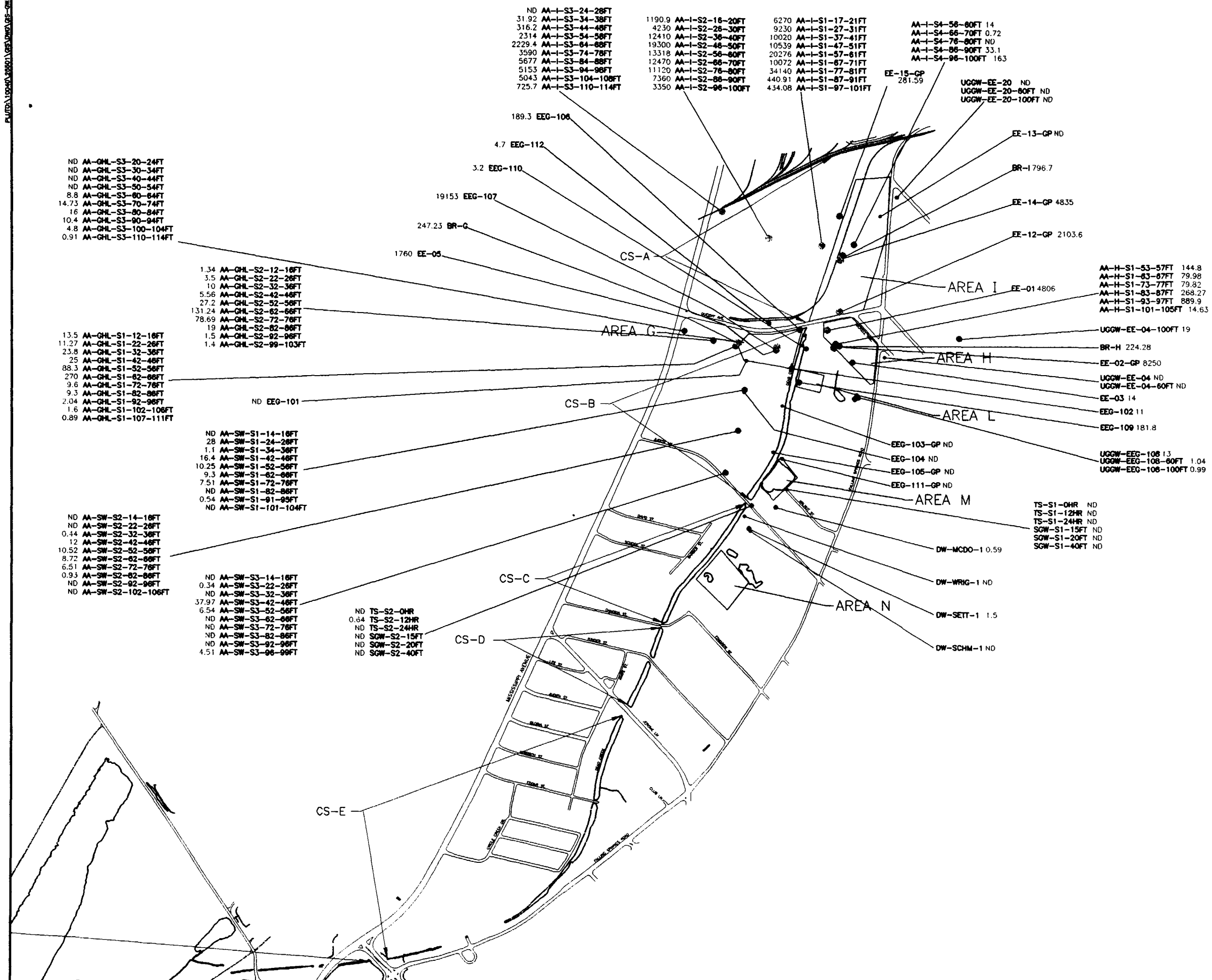


FIGURE 1-1

LEGEND

- • NOT DETECTED
- • < 1
- • 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER TOTAL VOCs

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.A
August 2000

O'BRIEN & GERE ENGINEERS, INC.

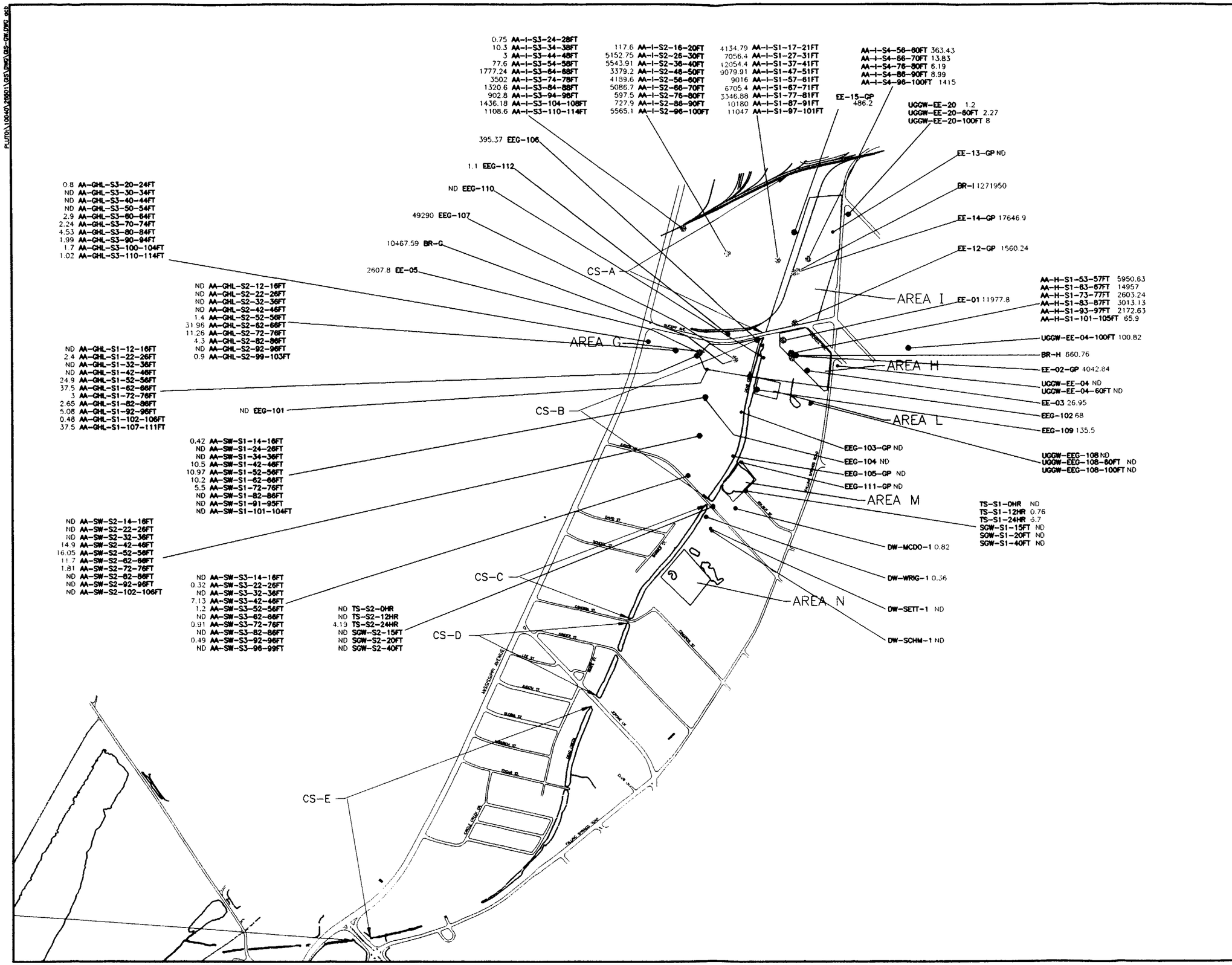


FIGURE 1-2

LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER
TOTAL SVOCs

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.B
August 2000

O'BRIEN & GERE ENGINEERS, INC.

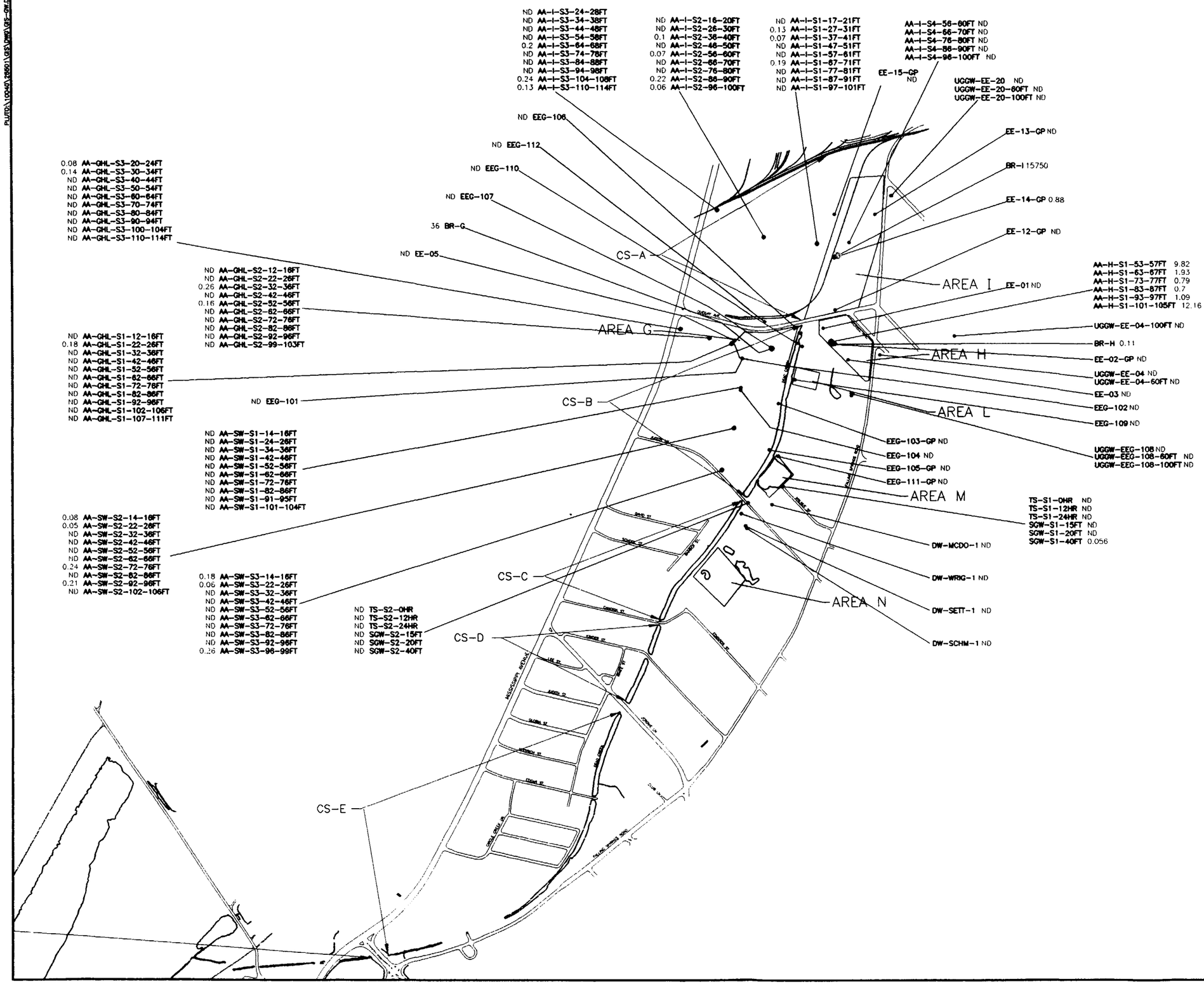


FIGURE 1-3

LEGEND

- ND NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

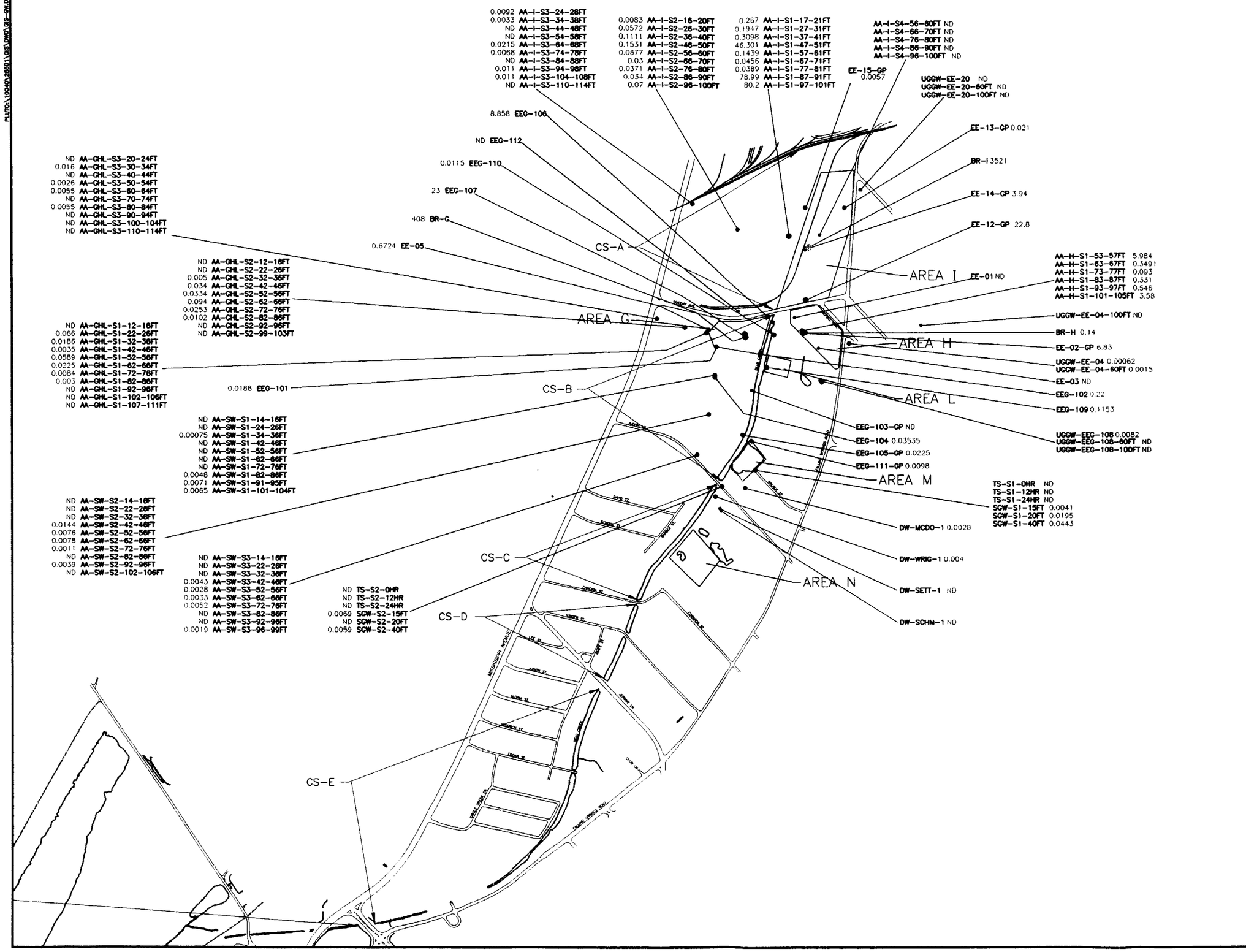
GROUND WATER TOTAL PCBs

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.C
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 1-4



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER TOTAL PESTICIDES

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.D
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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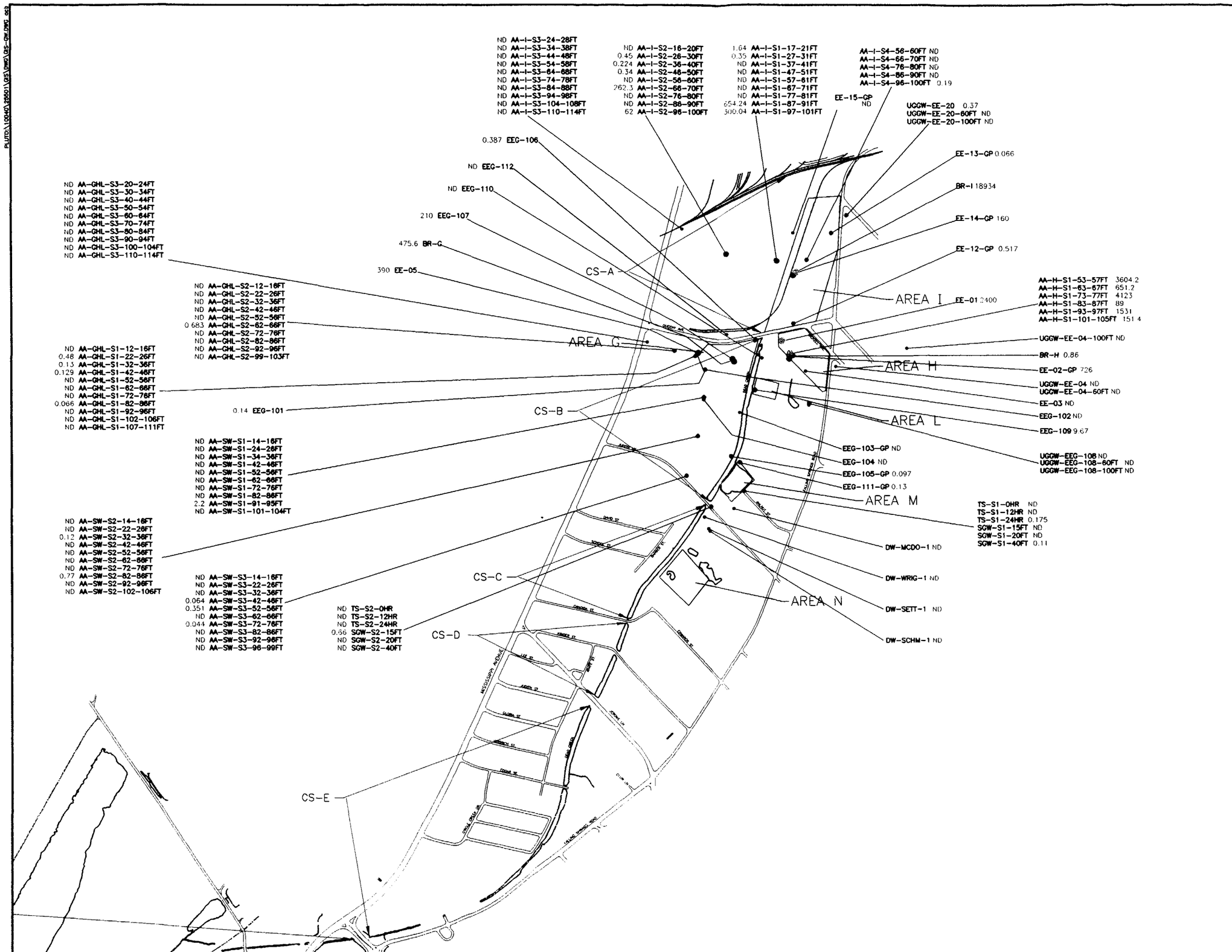
FIGURE 1-5



LEGEND

- • NOT DETECTED
- • < 1
- • 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER TOTAL HERBICIDES

500 0 500
SCALE IN FEET

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August 2000

O'BRIEN & GERE ENGINEERS, INC.

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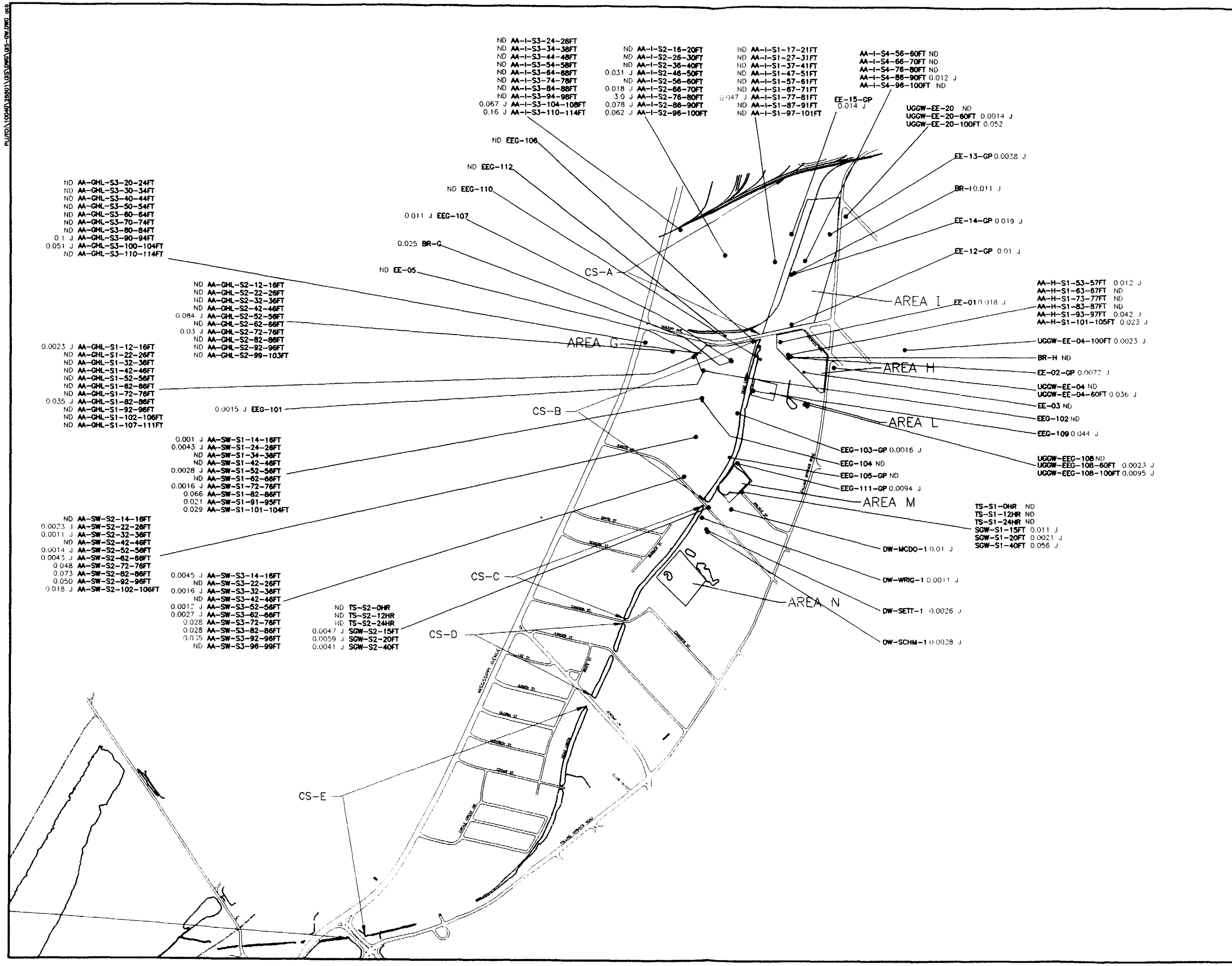

FIGURE 1-6

LEGEND

- ND NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER
COPPER

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.F
August 2000

O'BRIEN & GERE ENGINEERS, INC.

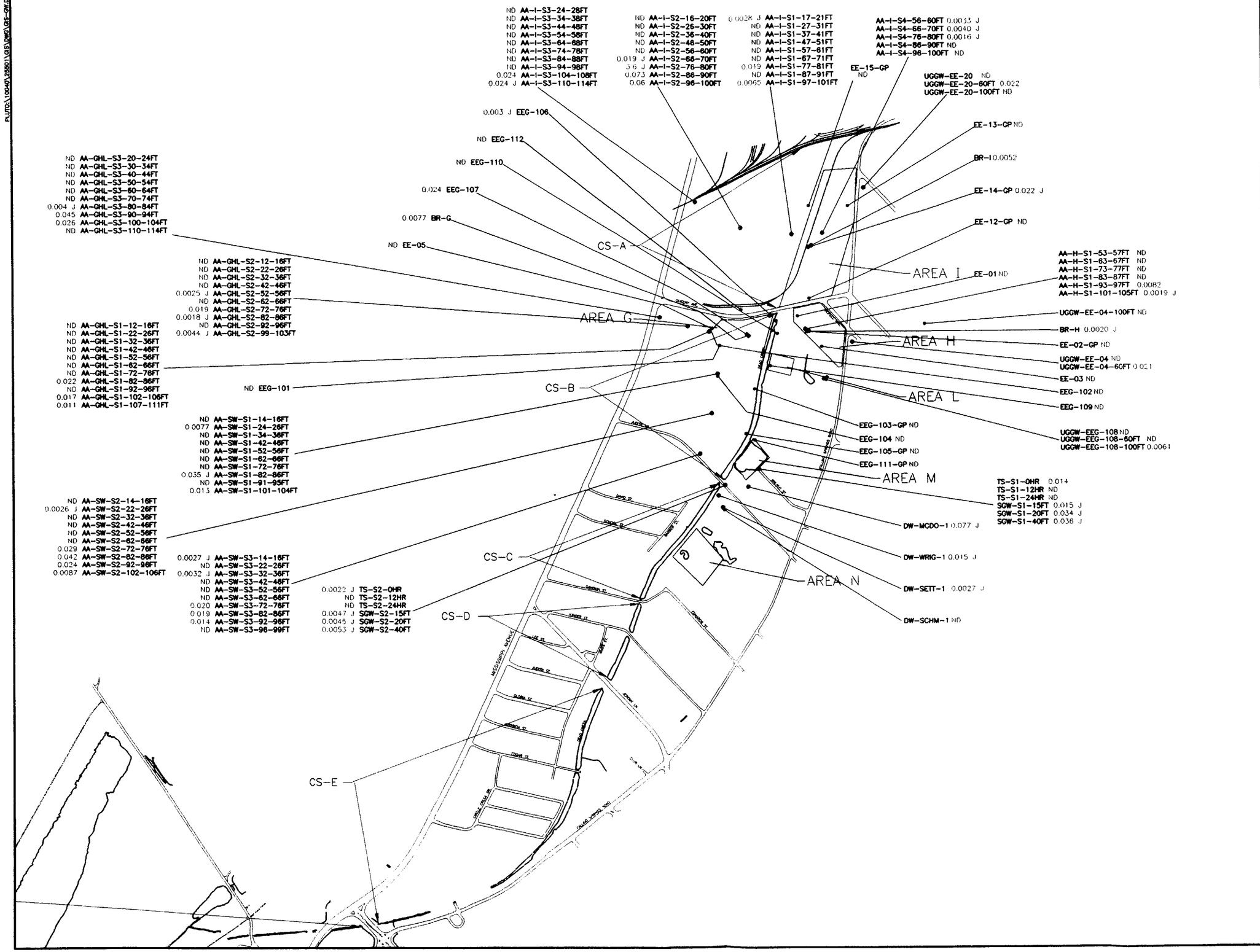

FIGURE 1-7

LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER LEAD

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.G
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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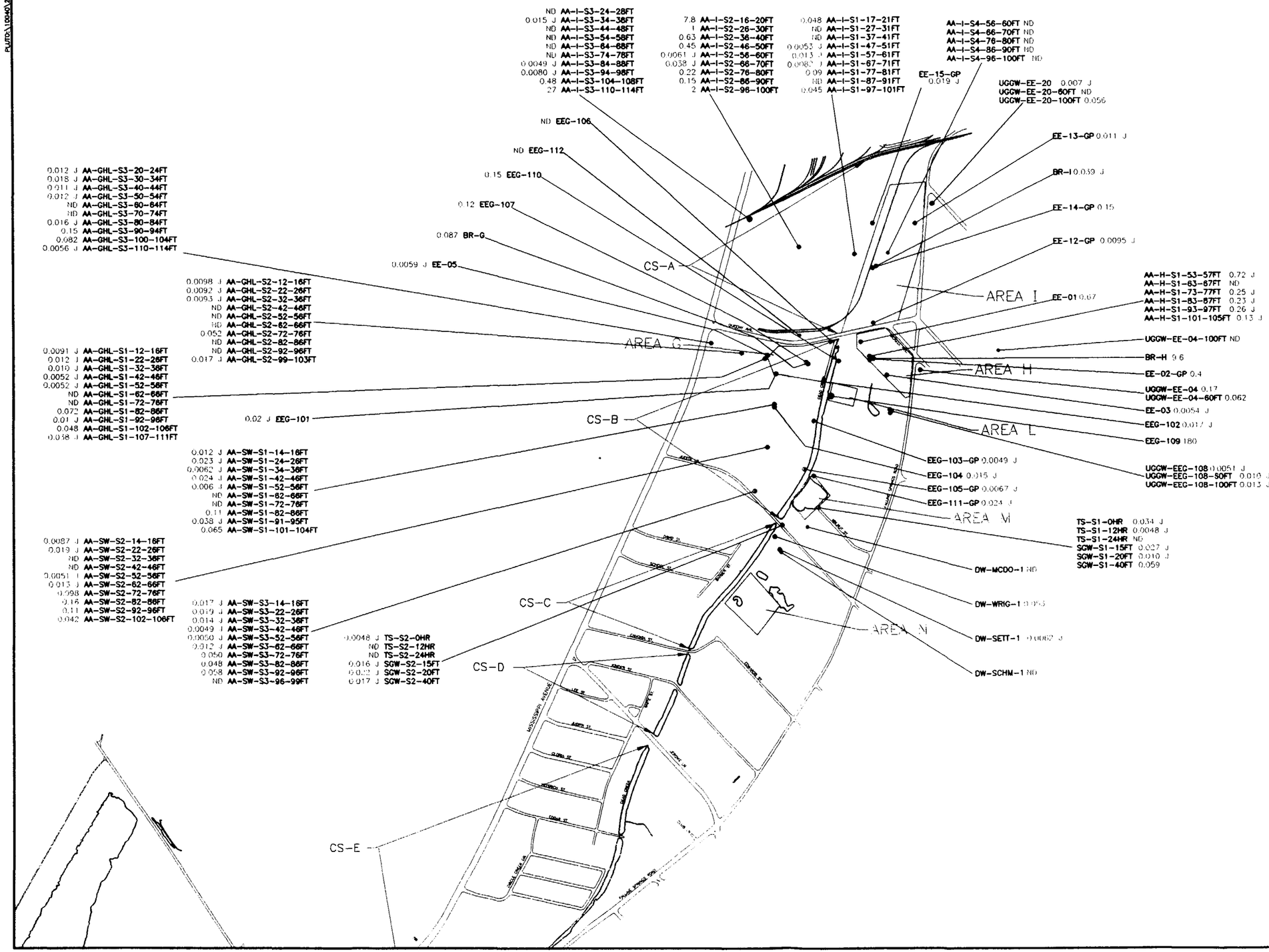
FIGURE 1-8



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER
NICKEL

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.H
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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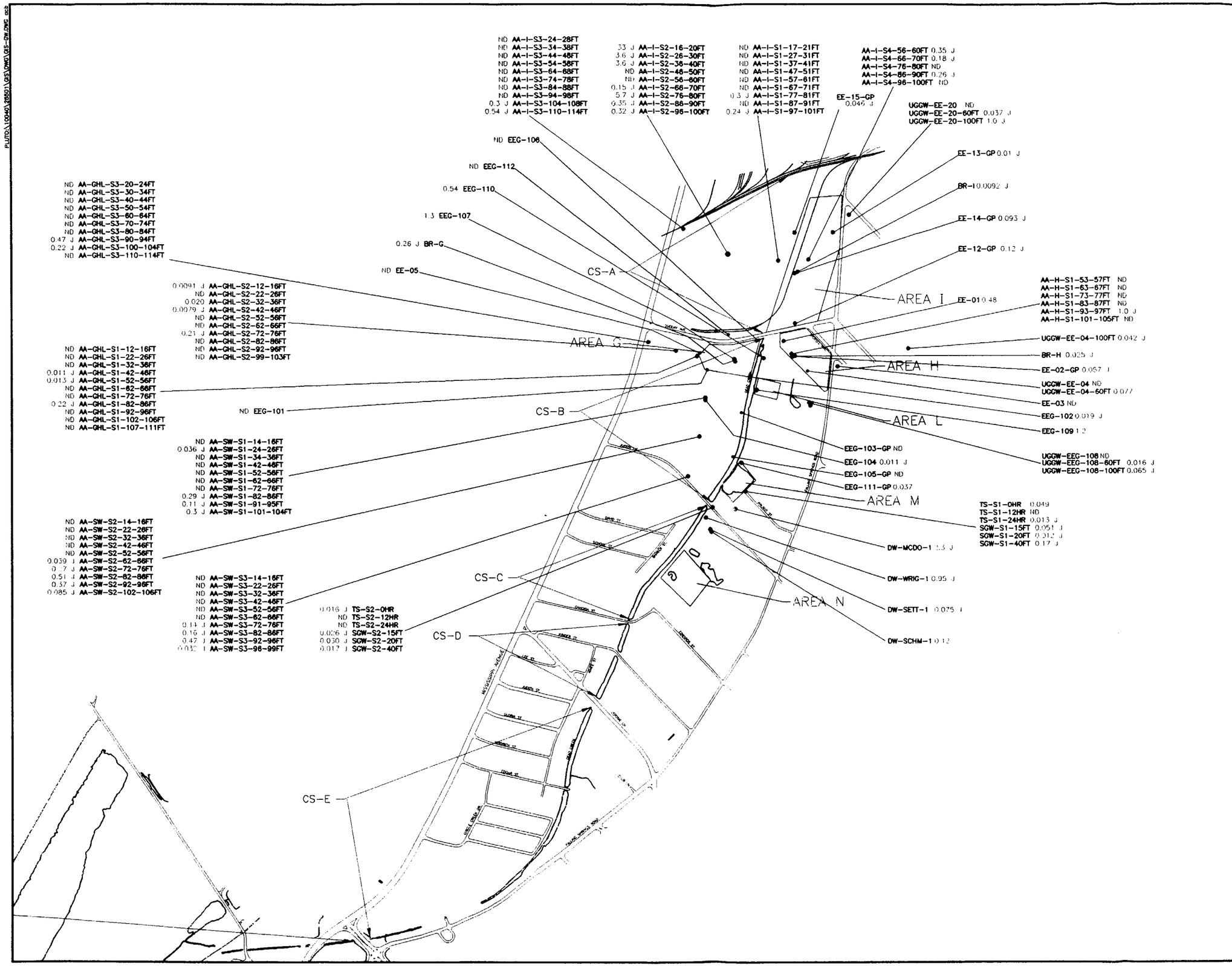

FIGURE 1-9

LEGEND

- • NOT DETECTED
- ● < 1
- 1 – 10
- ● 10 – 100
- ● 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER
ZINC

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.I
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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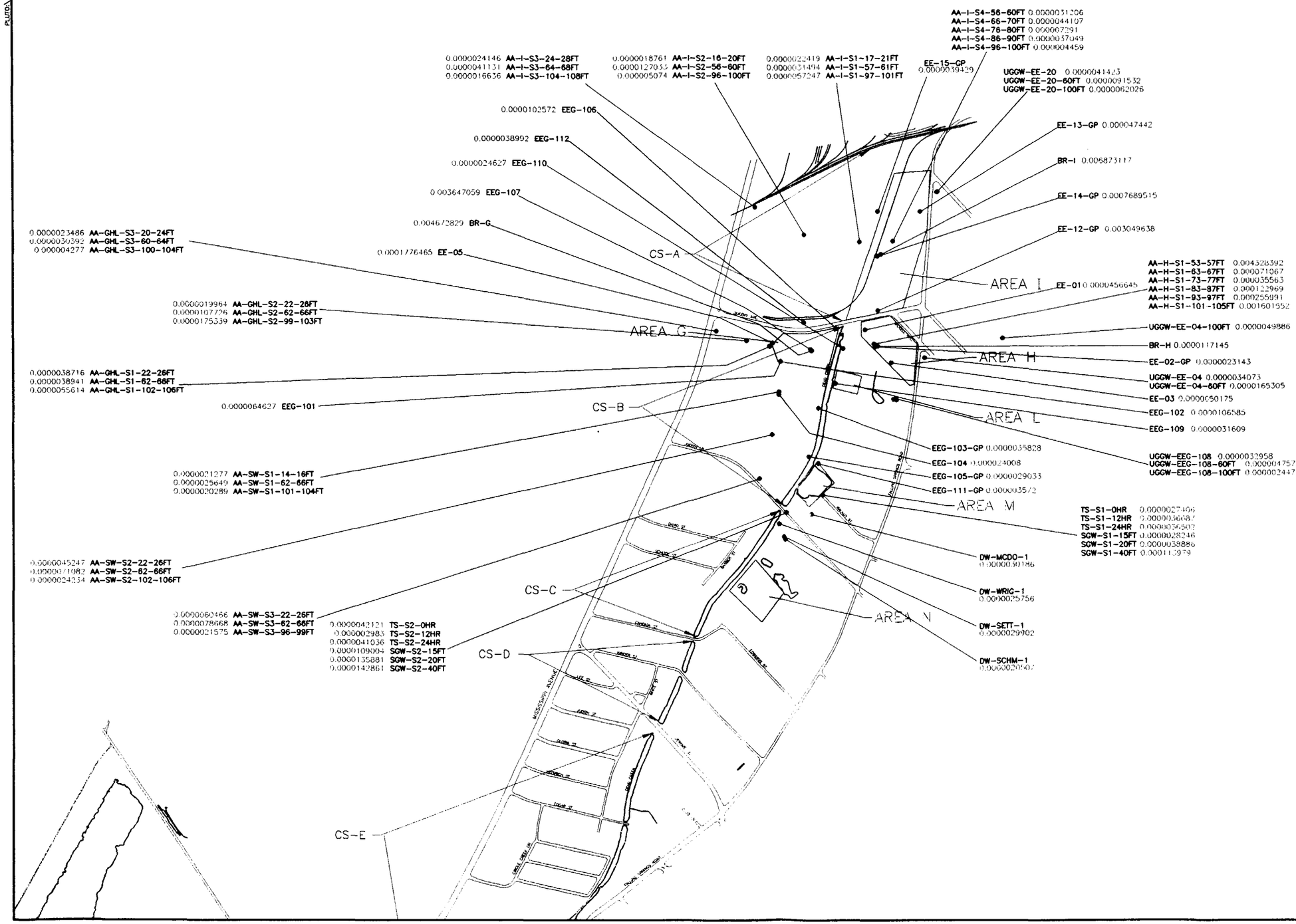
FIGURE 1–10



LEGEND

- • NOT DETECTED
- • < 1
- • 1 – 10
- • 10 – 100
- • 100 – 1000
- • > 1000

CS–A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/L

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

GROUND WATER
PCDD/PCDF TEQs

500 0 500
SCALE IN FEET

FILE NO. 25501.GW.J
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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Section 2

SECTION 2

Surface Soil

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	03/09/00	01/27/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
1,1,2,2-Tetrachloroethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
1,1,2-Trichloroethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
1,1-Dichloroethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
1,1-Dichloroethene	6.4 U	6 U	5.4 U	4.9 U	5.0 U	5.0 U	4.9 U
1,2-Dichloroethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
1,2-Dichloropropane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
2-Butanone (MEK)	35 U	33 U	29 U	27 U	25 U	19 J	27 U
2-Hexanone	35 U	33 U	29 U	18 J	25 U	27 U	27 U
4-Methyl-2-pentanone (MIBK)	35 U	33 U	29 U	27 U	25 U	27 U	27 U
Acetone	70 U	65 U	59 U	54 U	50 U	240	54 U
Benzene	7 U	6.5 U	5.9 U	5.4 U	1.2 U	5.5 U	5.4 U
Bromodichloromethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Bromoform	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Bromomethane	14 U	13 U	12 U	11 U	9.8 U	11 U	11 U
Carbon disulfide	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Carbon tetrachloride	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Chlorobenzene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Chloroethane	14 U	13 U	12 U	11 U	10 U	11 U	11 U
Chloroform	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Chloromethane	14 U	13 U	12 U	11 U	10 U	11 U	11 U
Cis/Trans-1,2-Dichloroethene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Dibromochloromethane	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Ethylbenzene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Methylene chloride (Dichloromethane)	7 U	6.5 U	12	1.7 J	4.7 U	2.1 J	5.4 U
Styrene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Tetrachloroethene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Toluene	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
Trichloroethene	7 U	6.5 U	5.9 U	5.4 U	2.7 U	5.5 U	5.4 U
Vinyl chloride	14 U	13 U	12 U	11 U	10 U	11 U	11 U
Xylenes, Total	7 U	6.5 U	5.9 U	5.4 U	5.0 U	5.5 U	5.4 U
cis-1,3-Dichloropropene	5.6 U	5.2 U	4.7 U	4.3 U	1.0 U	4.4 U	4.3 U
trans-1,3-Dichloropropene	5.6 U	5.2 U	4.7 U	4.3 U	5.0 U	4.4 U	4.3 U
Total VOCs	ND	ND	12	19.7	ND	261.1	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
1,1,2,2-Tetrachloroethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
1,1,2-Trichloroethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
1,1-Dichloroethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
1,1-Dichloroethene	5.2 U	5.6 U	5.4 U	5.2 U	6.0 U	5.2 U	5.4 U
1,2-Dichloroethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
1,2-Dichloropropane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
2-Butanone (MEK)	32	30 U	28 J	12 J	33 U	28 U	29 U
2-Hexanone	28 U	30 U	29 U	28 U	33 U	28 U	29 U
4-Methyl-2-pentanone (MIBK)	28 U	30 U	29 U	28 U	33 U	28 U	29 U
Acetone	390	330	270	200	66 U	57 UJ	58 U
Benzene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Bromodichloromethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Bromoform	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Bromomethane	11 U	12 U	12 U	11 U	13 U	11 U	12 U
Carbon disulfide	2.6 J	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Carbon tetrachloride	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Chlorobenzene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Chloroethane	11 U	12 U	12 U	11 U	13 U	11 U	12 U
Chloroform	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Chloromethane	11 U	12 U	12 U	11 U	13 U	11 U	12 U
Cis/Trans-1,2-Dichloroethene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Dibromochloromethane	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Ethylbenzene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Methylene chloride (Dichloromethane)	5.7 U	1.8 J	5.8 U	5.6 U	2.0 J	5.7 U	5.8 U
Styrene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Tetrachloroethene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Toluene	2.3 J	6.1 U	3.4 J	5.6 U	6.6 U	5.7 U	5.8 U
Trichloroethene	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
Vinyl chloride	11 U	12 U	12 U	11 U	13 U	11 U	12 U
Xylenes, Total	5.7 U	6.1 U	5.8 U	5.6 U	6.6 U	5.7 U	5.8 U
cis-1,3-Dichloropropene	4.5 U	4.8 U	4.7 U	4.5 U	5.3 U	4.6 U	4.7 U
trans-1,3-Dichloropropene	4.5 U	4.8 U	4.7 U	4.5 U	5.3 U	4.6 U	4.7 U
Total VOCs	426.9	331.8	301.4	212	2	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

Date Printed 14 30 34
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FXP File D \ ABLEPRS FXP

Number 10040 25501

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	ug/kg dw	ug/L	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 UJ	5.0 UJ
1,1,2-Trichloroethane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 UJ	5.0 U
1,1-Dichloroethane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
1,1-Dichloroethene	5.3 U	4.6 U	5.1 U	5.1 U	5.5 U	5.6 U	4.6 U
1,2-Dichloroethane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
1,2-Dichloropropane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 UJ	5.0 U
2-Butanone (MEK)	29 U	25 U	20 J	29	30 U	39 U	20 J
2-Hexanone	29 U	25 U	28 UJ	28 U	30 U	30 UJ	25 UJ
4-Methyl-2-pentanone (MIBK)	29 U	25 U	28 U	28 U	30 U	30 U	25 U
Acetone	57 U	50 U	240	350	60 U	460 J	160
Benzene	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	1.8 J
Bromodichloromethane	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Bromoform	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 UJ	5.0 UJ
Bromomethane	11 U	10 U	11 U	11 U	12 U	12 U	10 U
Carbon disulfide	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Carbon tetrachloride	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Chlorobenzene	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 U	5.0 UJ
Chloroethane	11 U	10 U	11 U	11 U	12 U	12 U	10 U
Chloroform	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Chloromethane	11 U	1.4 J	11 U	11 U	12 U	12 U	10 U
Cis/Trans-1,2-Dichloroethene	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Dibromochloromethane	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 UJ	5.0 UJ
Ethylbenzene	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 U	5.0 UJ
Methylene chloride (Dichloromethane)	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Styrene	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 U	5.0 UJ
Tetrachloroethene	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 U	5.0 UJ
Toluene	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	4.5 J	2.8 J
Trichloroethene	5.7 U	5.0 U	5.5 U	5.6 U	6.0 U	6.0 U	5.0 U
Vinyl chloride	11 U	10 U	11 U	11 U	12 U	12 U	10 U
Xylenes, Total	5.7 U	5.0 U	5.5 UJ	5.6 U	6.0 U	6.0 U	5.0 UJ
cis-1,3-Dichloropropene	4.6 U	4.0 U	4.4 U	4.5 U	4.8 U	4.8 U	4.0 U
trans-1,3-Dichloropropene	4.6 U	4.0 U	4.4 U	4.5 U	4.8 U	4.8 U	4.0 U
Total VOCs	ND	1.4	260	379	ND	464.5	184.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/L	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
1,1,2,2-Tetrachloroethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
1,1,2-Trichloroethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
1,1-Dichloroethane	5.0 U	5.6 U	5.4 U	5.6 U	5.3 U	6.2 U	5.4 U
1,1-Dichloroethene	4.6 U	5.2 U	5.0 U	5.2 U	4.8 U	5.7 U	5.0 U
1,2-Dichloroethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
1,2-Dichloropropane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
2-Butanone (MEK)	25 U	28 U	27 U	32 U	26 U	31 U	39 U
2-Hexanone	25 U	28 U	27 UJ	28 U	26 U	31 U	27 U
4-Methyl-2-pentanone (MIBK)	25 U	28 U	27 UJ	28 U	26 U	31 U	27 U
Acetone	50 U	56 U	54 U	420	220	48 J	340
Benzene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	4.8 J
Bromodichloromethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Bromoform	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Bromomethane	10 U	11 U	11 U	11 U	10 U	12 U	11 U
Carbon disulfide	5.0 U	5.6 U	5.4 U	5.6 U	5.3 U	6.2 U	5.4 U
Carbon tetrachloride	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Chlorobenzene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Chloroethane	10 U	11 U	11 U	11 U	10 U	12 U	11 U
Chloroform	5.0 U	5.6 U	5.4 U	5.6 U	5.3 U	6.2 U	5.4 U
Chloromethane	10 U	11 U	11 U	11 U	10 U	12 U	11 U
Cis/Trans-1,2-Dichloroethene	5.0 U	5.6 U	5.4 U	5.6 U	5.3 U	6.2 U	5.4 U
Dibromochloromethane	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Ethylbenzene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	3.0 J
Methylene chloride (Dichloromethane)	5.0 U	5.6 U	5.4 U	5.6 U	5.3 U	6.2 U	5.4 U
Styrene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Tetrachloroethene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Toluene	5.0 U	5.6 U	5.4 UJ	5.6 U	2.2 J	6.2 U	8.8
Trichloroethene	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	5.4 U
Vinyl chloride	10 U	11 U	11 U	11 U	10 U	12 U	11 U
Xylenes, Total	5.0 U	5.6 U	5.4 UJ	5.6 U	5.3 U	6.2 U	4.2 J
cis-1,3-Dichloropropene	4.0 U	4.5 U	4.3 UJ	4.5 U	4.2 U	4.9 U	4.3 U
trans-1,3-Dichloropropene	4.0 U	4.5 U	4.3 UJ	4.5 U	4.2 U	4.9 U	4.3 U
Total VOCs	ND	ND	ND	420	222.2	48	360.8

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
1,1,2,2-Tetrachloroethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
1,1,2-Trichloroethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
1,1-Dichloroethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
1,1-Dichloroethene	5.3 U	5.9 U	5.6 U	5.6 U	5.3 U	4.4 U	5.6 U
1,2-Dichloroethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
1,2-Dichloropropane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
2-Butanone (MEK)	35 U	32 U	56 U	30 U	29 U	24 U	30 U
2-Hexanone	29 U	6.6 J	31 U	30 U	29 U	24 U	30 U
4-Methyl-2-pentanone (MIBK)	29 U	32 U	31 U	30 U	29 U	24 U	30 U
Acetone	480	350	440	60 U	57 U	48 U	60 U
Benzene	5.8 U	3.0 J	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Bromodichloromethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Bromoform	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Bromomethane	12 U	13 U	12 U	12 U	11 U	9.7 U	12 U
Carbon disulfide	4.3 J	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Carbon tetrachloride	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Chlorobenzene	5.8 U	4.0 J	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Chloroethane	12 U	13 U	12 U	12 U	11 U	9.7 U	12 U
Chloroform	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Chloromethane	12 U	13 U	12 U	12 U	11 U	9.7 U	12 U
Cis/Trans-1,2-Dichloroethene	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Dibromochloromethane	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Ethylbenzene	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Methylene chloride (Dichloromethane)	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Styrene	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Tetrachloroethene	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Toluene	2.2 J	3.2 J	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
Trichloroethene	5.8 U	6.4 U	6.1 U	6.2	4.0 J	3.8 J	6.0 U
Vinyl chloride	12 U	13 U	12 U	12 U	11 U	9.7 U	12 U
Xylenes, Total	5.8 U	6.4 U	6.1 U	6.0 U	5.7 U	4.8 U	6.0 U
cis-1,3-Dichloropropene	4.6 U	5.1 U	4.9 U	4.8 U	4.6 U	3.9 U	4.8 U
trans-1,3-Dichloropropene	4.6 U	5.1 U	4.9 U	4.8 U	4.6 U	3.9 U	4.8 U
Total VOCs	486.5	366.8	440	6.2	4	3.8	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg	ug/kg dw
Compound							
1,1,1-Trichloroethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
1,1,2,2-Tetrachloroethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
1,1,2-Trichloroethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
1,1-Dichloroethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
1,1-Dichloroethene	5.7 U	5.0 U	6.6 U	5.3 U	4.8 U	6.4 U	5.2 U
1,2-Dichloroethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
1,2-Dichloropropane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
2-Butanone (MEK)	31 U	25 U	36 U	29 U	22 J	34 J	30
2-Hexanone	31 U	25 U	36 U	4.8 J	26 U	35 U	28 U
4-Methyl-2-pentanone (MIBK)	31 U	25 U	36 U	29 U	26 U	35 U	28 U
Acetone	62 U	50 U	71 U	58 U	220	440	280 J
Benzene	6.2 U	1.2 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Bromodichloromethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Bromoform	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Bromomethane	12 U	9.8 U	14 U	12 U	10 U	14 U	11 U
Carbon disulfide	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Carbon tetrachloride	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Chlorobenzene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Chloroethane	12 U	10 U	14 U	12 U	10 U	14 U	11 U
Chloroform	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Chloromethane	12 U	10 U	14 U	12 U	10 U	14 U	11 U
Cis/Trans-1,2-Dichloroethene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Dibromochloromethane	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Ethylbenzene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Methylene chloride (Dichloromethane)	6.2 U	4.7 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Styrene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Tetrachloroethene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Toluene	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Trichloroethene	6.2 U	2.7 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
Vinyl chloride	12 U	10 U	14 U	12 U	10 U	14 U	11 U
Xylenes, Total	6.2 U	5.0 U	7.1 U	5.8 U	5.2 U	7.0 U	5.7 U
cis-1,3-Dichloropropene	4.9 U	1.0 U	5.7 U	4.6 U	4.2 U	5.6 U	4.5 U
trans-1,3-Dichloropropene	4.9 U	5.0 U	5.7 U	4.6 U	4.2 U	5.6 U	4.5 U
Total VOCs	ND	ND	ND	4.8	242	474	310

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
1,1,2,2-Tetrachloroethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
1,1,2-Trichloroethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
1,1-Dichloroethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
1,1-Dichloroethene	6.0 U	5.6 U	5.4 U	4.6 U	5.8 U	5.6 U	5.3 U
1,2-Dichloroethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
1,2-Dichloropropane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
2-Butanone (MEK)	25 J	31 U	29 U	25	56	38	34
2-Hexanone	32 U	31 U	29 U	25 U	32 U	30 U	29 U
4-Methyl-2-pentanone (MIBK)	32 U	31 U	29 U	25 U	32 U	30 U	29 U
Acetone	450	61 U	59 U	280	780	560	450
Benzene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Bromodichloromethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Bromoform	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Bromomethane	13 U	12 U	12 U	9.9 U	13 U	12 U	11 U
Carbon disulfide	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Carbon tetrachloride	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Chlorobenzene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Chloroethane	13 U	12 U	12 U	9.9 U	13 U	12 U	11 U
Chloroform	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Chloromethane	13 U	12 U	12 U	9.9 U	13 U	12 U	11 U
Cis/Trans-1,2-Dichloroethene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Dibromochloromethane	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Ethylbenzene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Methylene chloride (Dichloromethane)	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Styrene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Tetrachloroethene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Toluene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.3 J
Trichloroethene	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
Vinyl chloride	13 U	12 U	12 U	9.9 U	13 U	12 U	11 U
Xylenes, Total	6.5 U	6.1 U	5.9 U	5.0 U	6.3 U	6.0 U	5.7 U
cis-1,3-Dichloropropene	5.2 U	4.9 U	4.7 U	4.0 U	5.0 U	4.8 U	4.6 U
trans-1,3-Dichloropropene	5.2 U	4.9 U	4.7 U	4.0 U	5.0 U	4.8 U	4.6 U
Total VOCs	475	ND	ND	305	836	598	489.3

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
1,1,2,2-Tetrachloroethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
1,1,2-Trichloroethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
1,1-Dichloroethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
1,1-Dichloroethene	5.0 U	5.0 U	5.6 U	5.4 U	6.7 U	4.2 U	5.6 U
1,2-Dichloroethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
1,2-Dichloropropane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
2-Butanone (MEK)	45	25 U	38	30	36 U	23 U	30 U
2-Hexanone	27 U	25 U	6.9 J	29 U	36 U	23 U	30 U
4-Methyl-2-pentanone (MIBK)	27 U	25 U	30 U	29 U	36 U	23 U	30 U
Acetone	550	13 J	580	430	73 U	46 U	60 U
Benzene	5.4 U	1.2 U	2.1 J	5.8 U	7.3 U	4.6 U	6.0 U
Bromodichloromethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Bromoform	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Bromomethane	11 U	9.8 U	12 U	12 U	14 U	9.2 U	12 U
Carbon disulfide	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Carbon tetrachloride	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Chlorobenzene	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Chloroethane	11 U	10 U	12 U	12 U	14 U	9.2 U	12 U
Chloroform	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Chloromethane	11 U	10 U	12 U	12 U	14 U	9.2 U	12 U
Cis/Trans-1,2-Dichloroethene	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Dibromochloromethane	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Ethylbenzene	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Methylene chloride (Dichloromethane)	5.4 U	0.55 J	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Styrene	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Tetrachloroethene	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Toluene	2.5 J	5.0 U	3.9 J	5.8 U	7.3 U	4.6 U	6.0 U
Trichloroethene	5.4 U	2.7 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
Vinyl chloride	11 U	10 U	12 U	12 U	14 U	9.2 U	12 U
Xylenes, Total	5.4 U	5.0 U	6.1 U	5.8 U	7.3 U	4.6 U	6.0 U
cis-1,3-Dichloropropene	4.3 U	1.0 U	4.9 U	4.7 U	5.8 U	3.7 U	4.8 U
trans-1,3-Dichloropropene	4.3 U	5.0 U	4.9 U	4.7 U	5.8 U	3.7 U	4.8 U
Total VOCs	597.5	13.55	630.9	460	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
1,1,2,2-Tetrachloroethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
1,1,2-Trichloroethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
1,1-Dichloroethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
1,1-Dichloroethene	3.7 U	4.5 U	3.8 U	4.8 U	5.1 U	5.4 U	5.0 U
1,2-Dichloroethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
1,2-Dichloropropane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
2-Butanone (MEK)	20 U	24 U	20 U	26 U	28 U	34	19 J
2-Hexanone	20 U	24 U	20 U	26 U	28 U	30 U	27 U
4-Methyl-2-pentanone (MIBK)	20 U	24 U	20 U	26 U	28 U	30 U	27 U
Acetone	40 U	49 U	41 U	52 U	55 U	460	170
Benzene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Bromodichloromethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Bromoform	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Bromomethane	8.0 U	9.7 U	8.2 U	10 U	11 U	12 U	11 U
Carbon disulfide	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Carbon tetrachloride	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Chlorobenzene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Chloroethane	8.0 U	9.7 U	8.2 U	10 U	11 U	12 U	11 U
Chloroform	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Chloromethane	8.0 U	9.7 U	8.2 U	10 U	11 U	12 U	11 U
Cis/Trans-1,2-Dichloroethene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Dibromochloromethane	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Ethylbenzene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Methylene chloride (Dichloromethane)	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Styrene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Tetrachloroethene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Toluene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Trichloroethene	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
Vinyl chloride	8.0 U	9.7 U	8.2 U	10 U	11 U	12 U	11 U
Xylenes, Total	4.0 U	4.9 U	4.1 U	5.2 U	5.5 U	5.9 U	5.4 U
cis-1,3-Dichloropropene	3.2 U	3.9 U	3.3 U	4.2 U	4.4 U	4.7 U	4.4 U
trans-1,3-Dichloropropene	3.2 U	3.9 U	3.3 U	4.2 U	4.4 U	4.7 U	4.4 U
Total VOCs	ND	ND	ND	ND	ND	494	189

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
1,1,2,2-Tetrachloroethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
1,1,2-Trichloroethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
1,1-Dichloroethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
1,1-Dichloroethene	5.0 U	6.0 U	4.8 U	5.0 U	4.8 U	4.9 U	6.6 U
1,2-Dichloroethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
1,2-Dichloropropane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
2-Butanone (MEK)	14 J	24 J	26 U	25 U	26 U	26 U	36 U
2-Hexanone	27 U	33 U	26 U	25 U	26 U	26 U	36 U
4-Methyl-2-pentanone (MIBK)	27 U	33 U	26 U	25 U	26 U	26 U	36 U
Acetone	160	180	52 U	50 U	52 U	53 U	72 U
Benzene	5.4 U	6.5 U	5.2 U	1.2 U	5.2 U	5.3 U	7.2 U
Bromodichloromethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Bromoform	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Bromomethane	11 U	13 U	10 U	9.8 U	10 U	11 U	14 U
Carbon disulfide	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Carbon tetrachloride	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Chlorobenzene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Chloroethane	11 U	13 U	10 U	10 U	10 U	11 U	14 U
Chloroform	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Chloromethane	11 U	13 U	10 U	10 U	10 U	11 U	14 U
Cis/Trans-1,2-Dichloroethene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Dibromochloromethane	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Ethylbenzene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Methylene chloride (Dichloromethane)	5.4 U	6.5 U	5.2 U	0.58 J	5.2 U	5.3 U	7.2 U
Styrene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Tetrachloroethene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Toluene	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
Trichloroethene	5.4 U	6.5 U	5.2 U	2.7 U	5.2 U	5.3 U	7.2 U
Vinyl chloride	11 U	13 U	10 U	10 U	10 U	11 U	14 U
Xylenes, Total	5.4 U	6.5 U	5.2 U	5.0 U	5.2 U	5.3 U	7.2 U
cis-1,3-Dichloropropene	4.3 U	5.2 U	4.2 U	1.0 U	4.2 U	4.2 U	5.7 U
trans-1,3-Dichloropropene	4.3 U	5.2 U	4.2 U	5.0 U	4.2 U	4.2 U	5.7 U
Total VOCs	174	204	ND	0.58	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
1,1,2,2-Tetrachloroethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
1,1,2-Trichloroethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
1,1-Dichloroethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
1,1-Dichloroethene	5.2 U	4.9 U	5.0 U	5.0 U	5.7 U	7.7 U	5.7 U
1,2-Dichloroethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
1,2-Dichloropropane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
2-Butanone (MEK)	28 U	26 U	25 U	27 U	31 U	42 U	37
2-Hexanone	28 U	26 U	25 U	27 U	31 U	42 U	31 U
4-Methyl-2-pentanone (MIBK)	28 U	26 U	25 U	27 U	31 U	42 U	31 U
Acetone	56 U	53 U	50 U	54 U	62 U	83 U	500
Benzene	5.6 U	5.3 U	1.2 U	5.4 U	6.2 U	8.3 U	2.1 J
Bromodichloromethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Bromoform	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Bromomethane	11 U	10 U	9.8 U	11 U	12 U	17 U	12 U
Carbon disulfide	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Carbon tetrachloride	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Chlorobenzene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Chloroethane	11 U	10 U	10 U	11 U	12 U	17 U	12 U
Chloroform	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Chloromethane	11 U	10 U	10 U	11 U	12 U	17 U	12 U
Cis/Trans-1,2-Dichloroethene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Dibromochloromethane	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Ethylbenzene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Methylene chloride (Dichloromethane)	5.6 U	5.3 U	1.7 J	5.4 U	6.2 U	8.3 U	6.2 U
Styrene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Tetrachloroethene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
Toluene	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	12
Trichloroethene	5.6 U	5.3 U	2.7 U	5.4 U	6.2 U	8.3 U	6.2 U
Vinyl chloride	11 U	10 U	10 U	11 U	12 U	17 U	12 U
Xylenes, Total	5.6 U	5.3 U	5.0 U	5.4 U	6.2 U	8.3 U	6.2 U
cis-1,3-Dichloropropene	4.5 U	4.2 U	1.0 U	4.3 U	4.9 U	6.7 U	4.9 U
trans-1,3-Dichloropropene	4.5 U	4.2 U	5.0 U	4.3 U	4.9 U	6.7 U	4.9 U
Total VOCs	ND	ND	1.7	ND	ND	ND	551.1

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
1,1,2,2-Tetrachloroethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
1,1,2-Trichloroethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
1,1-Dichloroethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
1,1-Dichloroethene	4.8 U	4.7 U	4.6 U	5.0 U	6.8 U	5.0 U	5.1 UJ
1,2-Dichloroethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
1,2-Dichloropropane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
2-Butanone (MEK)	20 J	26 U	25 U	9.1 J	37 U	25 U	28 UJ
2-Hexanone	26 U	26 U	25 U	27 U	37 U	25 U	28 UJ
4-Methyl-2-pentanone (MIBK)	26 U	26 U	25 U	27 U	37 U	25 U	28 UJ
Acetone	270	51 U	50 U	68 J	74 U	50 U	56 UJ
Benzene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	1.2 U	5.6 UJ
Bromodichloromethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Bromoform	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Bromomethane	10 U	10 U	10 U	11 U	15 U	9.8 U	11 UJ
Carbon disulfide	5.2 U	5.1 U	5.0 U	2.7 J	7.4 U	5.0 U	5.6 UJ
Carbon tetrachloride	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Chlorobenzene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Chloroethane	10 U	10 U	10 U	11 U	15 U	10 U	11 UJ
Chloroform	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Chloromethane	10 U	10 U	10 U	11 U	15 U	10 U	11 UJ
Cis/Trans-1,2-Dichloroethene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Dibromochloromethane	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Ethylbenzene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Methylene chloride (Dichloromethane)	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	4.7 U	5.6 UJ
Styrene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Tetrachloroethene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
Toluene	5.2 U	5.1 U	5.0 U	3.4 J	7.4 U	5.0 U	5.6 UJ
Trichloroethene	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	2.7 U	2.6 J
Vinyl chloride	10 U	10 U	10 U	11 U	15 U	10 U	11 UJ
Xylenes, Total	5.2 U	5.1 U	5.0 U	5.4 U	7.4 U	5.0 U	5.6 UJ
cis-1,3-Dichloropropene	4.2 U	4.1 U	4.0 U	4.3 U	5.9 U	1.0 U	4.4 UJ
trans-1,3-Dichloropropene	4.2 U	4.1 U	4.0 U	4.3 U	5.9 U	5.0 U	4.4 UJ
Total VOCs	290	ND	ND	83.2	ND	ND	2.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
1,2-Dichlorobenzene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
1,3-Dichlorobenzene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
1,4-Dichlorobenzene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2,2'-Oxybis(1-Chloropropane)	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2,4,5-Trichlorophenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2,4,6-Trichlorophenol	220 U	230 U	210 U	200 U	2.1 U	190 U	190 U
2,4-Dichlorophenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2,4-Dinitrophenol	1100 U	1100 U	1100 U	1000 U	14 U	960 U	960 U
2,4-Dinitrotoluene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2,6-Dinitrotoluene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2-Chloronaphthalene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2-Chlorophenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2-Methylnaphthalene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2-Methylphenol (o-cresol)	220 U	230 U	210 U	200 U	10 U	190 U	190 U
2-Nitroaniline	1100 U	1100 U	1100 U	1000 U	50 U	960 U	960 U
2-Nitrophenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
3,3'-Dichlorobenzidine	430 U	440 U	410 U	400 U	20 U	380 U	380 U
3-Methylphenol/4-Methylphenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
3-Nitroaniline	1100 U	1100 U	1100 U	1000 U	50 U	960 U	960 U
4,6-Dinitro-2-methylphenol	1100 U	1100 U	1100 U	1000 U	13 U	960 U	960 U
4-Bromophenylphenyl ether	220 U	230 U	210 U	200 U	1.0 U	190 U	190 U
4-Chloro-3-methylphenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
4-Chloroaniline	430 U	440 U	410 U	400 U	20 U	380 U	380 U
4-Chlorophenylphenyl ether	220 U	230 U	210 U	200 U	10 U	190 U	190 U
4-Nitroaniline	1100 U	1100 U	1100 U	1000 U	50 U	960 U	960 U
4-Nitrophenol	1100 U	1100 U	1100 U	1000 U	50 U	960 U	960 U
Acenaphthene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Acenaphthylene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Anthracene	220 U	230 U	210 U	80 J	10 U	190 U	190 U
Benzo(a)anthracene	220 U	230 U	77 J	170 J	10 U	190 U	190 U
Benzo(a)pyrene	120 U	120 U	70 J	150	0.97 J	100 U	100 U
Benzo(b)fluoranthene	220 U	230 U	69 J	110 J	0.93 J	190 U	190 U
Benzo(g,h,i)perylene	220 U	230 U	45 J	82 J	2.8 J	190 U	190 U
Benzo(k)fluoranthene	220 U	230 U	60 J	140 J	1.1 J	190 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Carbazole	220 U	230 U	210 U	32 J	3.4 U	190 U	190 U
Chrysene	220 U	230 U	97 J	200 J	10 U	190 U	190 U
Di-n-butylphthalate	130 J	230 U	210 U	240	10 U	190 U	190 U
Di-n-octylphthalate	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Dibenzo(a,h)anthracene	120 U	120 U	110 U	110 U	1.7 J	100 U	100 U
Dibenzofuran	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Diethylphthalate	100 J	120 J	60 J	110 J	10 U	190 U	190 U
Dimethylphthalate	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Fluoranthene	220 U	230 U	200 J	440	10 U	190 U	190 U
Fluorene	220 U	230 U	210 U	200 U	1.0 U	190 U	190 U
Hexachlorobenzene	92 U	93 U	88 U	84 U	10 U	80 U	80 U
Hexachlorobutadiene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Hexachlorocyclopentadiene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Hexachloroethane	220 U	230 U	210 U	200 U	1.9 U	190 U	190 U
Indeno(1,2,3-cd)pyrene	220 U	230 U	210 U	200 U	2.5 J	190 U	190 U
Isophorone	220 U	230 U	210 U	200 U	10 U	190 U	190 U
N-Nitroso-di-n-propylamine	220 U	230 U	210 U	200 U	10 U	190 U	190 U
N-Nitrosodiphenylamine	220 U	230 U	210 U	200 U	5.0 U	190 U	190 U
Naphthalene	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Nitrobenzene	220 U	230 U	210 U	200 U	3.5 U	190 U	190 U
Pentachlorophenol	1100 U	1100 U	1100 U	1000 U	5.0 U	960 U	960 U
Phenanthrene	220 U	230 U	100 J	290	10 U	190 U	190 U
Phenol	220 U	230 U	210 U	200 U	10 U	190 U	190 U
Pyrene	220 U	230 U	180 J	360	10 U	190 U	190 U
bis(2-Chloroethoxy)methane	220 U	230 U	210 U	200 U	10 U	190 U	190 U
bis(2-Chloroethyl)ether	220 U	230 U	210 U	200 U	10 U	190 U	190 U
bis(2-Ethylhexyl)phthalate	420	230 U	210 U	110 J	1.8 U	190 U	190 U
Total Semivolatiles	650	120	958	2514	10	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
1,2-Dichlorobenzene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
1,3-Dichlorobenzene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
1,4-Dichlorobenzene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,2'-Oxybis(1-Chloropropane)	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,4,5-Trichlorophenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,4,6-Trichlorophenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,4-Dichlorophenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,4-Dinitrophenol	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
2,4-Dinitrotoluene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2,6-Dinitrotoluene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2-Chloronaphthalene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2-Chlorophenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2-Methylnaphthalene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2-Methylphenol (o-cresol)	190 U	200 U	200 U	200 U	220 U	210 U	200 U
2-Nitroaniline	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
2-Nitrophenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
3,3'-Dichlorobenzidine	380 U	390 U	390 U	380 U	430 U	410 U	390 U
3-Methylphenol/4-Methylphenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
3-Nitroaniline	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
4-Bromophenylphenyl ether	190 U	200 U	200 U	200 U	220 U	210 U	200 U
4-Chloro-3-methylphenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
4-Chloroaniline	380 U	390 U	390 U	380 U	430 U	410 U	390 U
4-Chlorophenylphenyl ether	190 U	200 U	200 U	200 U	220 U	210 U	200 U
4-Nitroaniline	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
4-Nitrophenol	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
Acenaphthene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Acenaphthylene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Anthracene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Benzo(a)anthracene	190 U	200 U	46 J	200 U	220 U	82 J	35 J
Benzo(a)pyrene	100 U	110 U	56 J	100 U	120 U	82 J	43 J
Benzo(b)fluoranthene	190 U	200 U	42 J	200 U	32 J	82 J	45 J
Benzo(g,h,i)perylene	190 U	200 U	200 U	200 U	220 U	75 J	38 J
Benzo(k)fluoranthene	190 U	200 U	63 J	200 U	220 U	83 J	38 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Carbazole	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Chrysene	190 U	200 U	69 J	200 U	29 J	100 J	46 J
Di-n-butylphthalate	190 U	200 U	200 U	120 J	220 U	210 U	200 U
Di-n-octylphthalate	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Dibenzo(a,h)anthracene	100 U	110 U	110 U	100 U	120 U	110 U	110 U
Dibenzofuran	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Diethylphthalate	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Dimethylphthalate	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Fluoranthene	190 U	200 U	110 J	200 U	220 U	220	86 J
Fluorene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Hexachlorobenzene	80 U	83 U	83 U	80 U	92 U	86 U	83 U
Hexachlorobutadiene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Hexachlorocyclopentadiene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Hexachloroethane	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Indeno(1,2,3-cd)pyrene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Isophorone	190 U	200 U	200 U	200 U	220 U	210 U	200 U
N-Nitroso-di-n-propylamine	190 U	200 U	200 U	200 U	220 U	210 U	200 U
N-Nitrosodiphenylamine	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Naphthalene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Nitrobenzene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Pentachlorophenol	960 U	1000 U	1000 U	980 U	1100 U	1000 U	1000 U
Phenanthrene	190 U	200 U	52 J	200 U	220 U	92 J	24 J
Phenol	190 U	200 U	200 U	200 U	220 U	210 U	200 U
Pyrene	190 U	200 U	100 J	200 U	220 U	160 J	200 U
bis(2-Chloroethoxy)methane	190 U	200 U	200 U	200 U	220 U	210 U	200 U
bis(2-Chloroethyl)ether	190 U	200 U	200 U	200 U	220 U	210 U	200 U
bis(2-Ethylhexyl)phthalate	190 U	160 J	61 J	57 J	220 U	100 J	120 J
Total Semivolatiles	ND	160	599	177	61	1076	475

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
1,2-Dichlorobenzene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
1,3-Dichlorobenzene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
1,4-Dichlorobenzene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2,2'-Oxybis(1-Chloropropane)	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2,4,5-Trichlorophenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2,4,6-Trichlorophenol	190 U	2.1 U	210 U	200 U	210 U	210 U	200 U
2,4-Dichlorophenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2,4-Dinitrophenol	970 U	14 U	1000 U	1000 U	1000 U	1000 U	1000 U
2,4-Dinitrotoluene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2,6-Dinitrotoluene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2-Chloronaphthalene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2-Chlorophenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2-Methylnaphthalene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2-Methylphenol (o-cresol)	190 U	10 U	210 U	200 U	210 U	210 U	200 U
2-Nitroaniline	970 U	50 U	1000 U	1000 U	1000 U	1000 U	1000 U
2-Nitrophenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
3,3'-Dichlorobenzidine	380 U	20 U	400 U	400 U	410 U	400 U	390 U
3-Methylphenol/4-Methylphenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
3-Nitroaniline	970 U	50 U	1000 U	1000 U	1000 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	970 U	13 U	1000 U	1000 U	1000 U	1000 U	1000 U
4-Bromophenylphenyl ether	190 U	1.0 U	210 U	200 U	210 U	210 U	200 U
4-Chloro-3-methylphenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
4-Chloroaniline	380 U	20 U	400 U	400 U	410 U	400 U	390 U
4-Chlorophenylphenyl ether	190 U	10 U	210 U	200 U	210 U	210 U	200 U
4-Nitroaniline	970 U	50 U	1000 U	1000 U	1000 U	1000 U	1000 U
4-Nitrophenol	970 U	50 U	1000 U	1000 U	1000 U	1000 U	1000 U
Acenaphthene	190 U	10 U	43 J	200 U	210 U	210 U	200 U
Acenaphthylene	190 U	10 U	210 U	200 U	210 U	210 U	34 J
Anthracene	26 J	10 U	84 J	200 U	210 U	210 U	89 J
Benzo(a)anthracene	79 J	10 U	200 J	200 U	210 U	210 U	460
Benzo(a)pyrene	80 J	10 U	160	110 U	110 U	110 U	600
Benzo(b)fluoranthene	84 J	10 U	130 J	30 J	210 U	210 U	780
Benzo(g,h,i)perylene	60 J	10 U	100 J	200 U	210 U	210 U	430
Benzo(k)fluoranthene	61 J	10 U	140 J	200 U	210 U	210 U	600

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	10 U	210 U	200 U	210 U	210 UJ	340
Carbazole	190 U	3.4 U	45 J	200 U	210 U	210 U	71 J
Chrysene	100 J	10 U	200 J	29 J	35 J	210 UJ	710
Di-n-butylphthalate	190 U	10 U	210 U	200 U	210 U	210 U	35 J
Di-n-octylphthalate	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Dibenzo(a,h)anthracene	100 U	10 U	110 U	110 U	110 U	110 U	110
Dibenzofuran	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Diethylphthalate	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Dimethylphthalate	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Fluoranthene	190 J	10 U	440	39 J	42 J	210 U	1100
Fluorene	190 U	1.0 U	210 U	200 U	210 U	210 U	200 U
Hexachlorobenzene	80 U	10 U	85 U	84 U	87 U	85 U	83 U
Hexachlorobutadiene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Hexachlorocyclopentadiene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Hexachloroethane	190 U	1.9 U	210 U	200 U	210 U	210 U	200 U
Indeno(1,2,3-cd)pyrene	190 U	10 U	89 J	200 U	210 U	210 U	450
Isophorone	190 U	10 U	210 U	200 U	210 U	210 U	200 U
N-Nitroso-di-n-propylamine	190 U	10 U	210 U	200 U	210 U	210 U	200 U
N-Nitrosodiphenylamine	190 U	5.0 U	210 U	200 U	210 U	210 U	200 U
Naphthalene	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Nitrobenzene	190 U	3.5 U	210 U	200 U	210 U	210 U	200 U
Pentachlorophenol	970 U	5.0 U	1000 U	1000 U	1000 U	1000 U	1000 U
Phenanthrene	93 J	10 U	390	200 U	210 U	210 U	360
Phenol	190 U	10 U	210 U	200 U	210 U	210 U	200 U
Pyrene	130 J	10 U	370	200 U	210 U	210 U	810
bis(2-Chloroethoxy)methane	190 U	10 U	210 U	200 U	210 U	210 U	200 U
bis(2-Chloroethyl)ether	190 U	10 U	210 U	200 U	210 U	210 U	200 U
bis(2-Ethylhexyl)phthalate	430	1.8 U	70 J	62 J	210 U	210 U	180 J
Total Semivolatiles	1333	ND	2461	160	77	ND	7159

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
1,2-Dichlorobenzene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
1,3-Dichlorobenzene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
1,4-Dichlorobenzene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2,2'-Oxybis(1-Chloropropane)	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2,4,5-Trichlorophenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2,4,6-Trichlorophenol	2.1 U	200 U	180 U	200 U	190 U	180 U	190 U
2,4-Dichlorophenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2,4-Dinitrophenol	14 U	990 U	930 U	990 U	950 U	920 U	970 U
2,4-Dinitrotoluene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2,6-Dinitrotoluene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2-Chloronaphthalene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2-Chlorophenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2-Methylnaphthalene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2-Methylphenol (o-cresol)	10 U	200 U	180 U	200 U	190 U	180 U	190 U
2-Nitroaniline	50 U	990 U	930 U	990 U	950 U	920 U	970 U
2-Nitrophenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
3,3'-Dichlorobenzidine	20 U	380 U	360 U	380 U	370 U	360 U	380 U
3-Methylphenol/4-Methylphenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
3-Nitroaniline	50 U	990 U	930 U	990 U	950 U	920 U	970 U
4,6-Dinitro-2-methylphenol	13 U	990 U	930 U	990 U	950 U	920 U	970 U
4-Bromophenylphenyl ether	1.0 U	200 U	180 U	200 U	190 U	180 U	190 U
4-Chloro-3-methylphenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
4-Chloroaniline	20 U	380 U	360 U	380 U	370 U	360 U	380 U
4-Chlorophenylphenyl ether	10 U	200 U	180 U	200 U	190 U	180 U	190 U
4-Nitroaniline	50 U	990 U	930 U	990 U	950 U	920 U	970 U
4-Nitrophenol	50 U	990 U	930 U	990 U	950 U	920 U	970 U
Acenaphthene	10 U	200 U	180 U	200 U	190 U	420	59 J
Acenaphthylene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Anthracene	10 U	200 U	180 U	200 U	190 U	1400	100 J
Benzo(a)anthracene	10 U	46 J	95 J	200 U	70 J	4200	500
Benzo(a)pyrene	10 U	58 J	240	100 U	78 J	3600	520
Benzo(b)fluoranthene	10 U	70 J	180 J	200 U	72 J	4400	580
Benzo(g,h,i)perylene	0.80 J	44 J	370	200 U	190 U	1300	310
Benzo(k)fluoranthene	10 U	58 J	190	200 U	53 J	3400	470

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	10 U	200 U	180 U	200 U	190 U	57 J	190 U
Carbazole	3.4 U	200 U	180 U	200 U	190 U	860	110 J
Chrysene	10 U	69 J	140 J	200 U	100 J	4900	770
Di-n-butylphthalate	0.32 J	200 U	180 U	200 U	190 U	180 U	190 U
Di-n-octylphthalate	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Dibenzo(a,h)anthracene	10 U	100 U	320	100 U	100 U	600	120
Dibenzofuran	10 U	200 U	180 U	200 U	190 U	230	190 U
Diethylphthalate	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Dimethylphthalate	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Fluoranthene	10 U	100 J	170 J	200 U	110 J	9800	1400
Fluorene	1.0 U	200 U	180 U	200 U	190 U	580	56 J
Hexachlorobenzene	10 U	82 U	76 U	82 U	78 U	76 U	80 U
Hexachlorobutadiene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Hexachlorocyclopentadiene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Hexachloroethane	1.9 U	200 U	180 U	200 U	190 U	180 U	190 U
Indeno(1,2,3-cd)pyrene	10 U	200 U	350	200 U	190 U	1100	280
Isophorone	10 U	200 U	180 U	200 U	190 U	180 U	190 U
N-Nitroso-di-n-propylamine	10 U	200 U	180 U	200 U	190 U	180 U	190 U
N-Nitrosodiphenylamine	5.0 U	200 U	180 U	200 U	190 U	180 U	190 U
Naphthalene	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Nitrobenzene	3.5 U	200 U	180 U	200 U	190 U	180 U	190 U
Pentachlorophenol	5.0 U	990 U	930 U	990 U	950 U	920 U	970 U
Phenanthrene	10 U	22 J	58 J	200 U	28 J	7100	970
Phenol	10 U	200 U	180 U	200 U	190 U	180 U	190 U
Pyrene	10 U	77 J	180 J	200 U	110 J	7700	1000
bis(2-Chloroethoxy)methane	10 U	200 U	180 U	200 U	190 U	180 U	190 U
bis(2-Chloroethyl)ether	10 U	200 U	180 U	200 U	190 U	180 U	190 U
bis(2-Ethylhexyl)phthalate	1.8 U	94 J	160 J	200 U	190 U	360	190 U
Total Semivolatiles	1.12	638	2453	ND	621	52007	7245

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
1,2-Dichlorobenzene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
1,3-Dichlorobenzene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
1,4-Dichlorobenzene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,2'-Oxybis(1-Chloropropane)	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,4,5-Trichlorophenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,4,6-Trichlorophenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,4-Dichlorophenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,4-Dinitrophenol	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
2,4-Dinitrotoluene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2,6-Dinitrotoluene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2-Chloronaphthalene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2-Chlorophenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2-Methylnaphthalene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2-Methylphenol (o-cresol)	200 U	210 U	210 U	210 U	200 U	200 U	180 U
2-Nitroaniline	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
2-Nitrophenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
3,3'-Dichlorobenzidine	390 U	410 U	410 U	420 U	390 U	380 U	360 U
3-Methylphenol/4-Methylphenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
3-Nitroaniline	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
4,6-Dinitro-2-methylphenol	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
4-Bromophenylphenyl ether	200 U	210 U	210 U	210 U	200 U	200 U	180 U
4-Chloro-3-methylphenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
4-Chloroaniline	390 U	410 U	410 U	420 U	390 U	380 U	360 U
4-Chlorophenylphenyl ether	200 U	210 U	210 U	210 U	200 U	200 U	180 U
4-Nitroaniline	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
4-Nitrophenol	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
Acenaphthene	160 J	210 U	210 U	210 U	200 U	200 U	180 U
Acenaphthylene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Anthracene	360	210 U	210 U	210 U	200 U	200 U	180 U
Benzo(a)anthracene	1900	210 U	210 U	210 U	200 U	200 U	180 U
Benzo(a)pyrene	2100	110 U	110 U	110 U	110 U	100 U	97 U
Benzo(b)fluoranthene	2200	210 U	210 U	210 U	200 U	200 U	180 U
Benzo(g,h,i)perylene	1100	210 U	210 U	210 U	200 U	200 U	180 U
Benzo(k)fluoranthene	2100	210 U	210 U	210 U	200 U	200 U	180 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Carbazole	310	210 U	210 U	210 U	200 U	200 U	180 U
Chrysene	2600	210 U	210 U	210 U	200 U	200 U	180 U
Di-n-butylphthalate	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Di-n-octylphthalate	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Dibenzo(a,h)anthracene	410	110 U	110 U	110 U	110 U	100 U	97 U
Dibenzofuran	52 J	210 U	210 U	210 U	200 U	200 U	180 U
Diethylphthalate	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Dimethylphthalate	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Fluoranthene	5600	210 U	210 U	210 U	200 U	200 U	180 U
Fluorene	140 J	210 U	210 U	210 U	200 U	200 U	180 U
Hexachlorobenzene	83 U	86 U	87 U	88 U	83 U	81 U	75 U
Hexachlorobutadiene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Hexachlorocyclopentadiene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Hexachloroethane	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Indeno(1,2,3-cd)pyrene	1100	210 U	210 U	210 U	200 U	200 U	180 U
Isophorone	200 U	210 U	210 U	210 U	200 U	200 U	180 U
N-Nitroso-di-n-propylamine	200 U	210 U	210 U	210 U	200 U	200 U	180 U
N-Nitrosodiphenylamine	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Naphthalene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Nitrobenzene	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Pentachlorophenol	1000 U	1000 U	1000 U	1100 U	1000 U	990 U	910 U
Phenanthrene	2900	210 U	210 U	210 U	200 U	200 U	180 U
Phenol	200 U	210 U	210 U	210 U	200 U	200 U	180 U
Pyrene	3900	210 U	210 U	210 U	200 U	200 U	180 U
bis(2-Chloroethoxy)methane	200 U	210 U	210 U	210 U	200 U	200 U	180 U
bis(2-Chloroethyl)ether	200 U	210 U	210 U	210 U	200 U	200 U	180 U
bis(2-Ethylhexyl)phthalate	91 J	210 U	210 U	210 U	200 U	200 U	180 U
Total Semivolatiles	27023	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
1,2-Dichlorobenzene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
1,3-Dichlorobenzene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
1,4-Dichlorobenzene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2,2'-Oxybis(1-Chloropropane)	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2,4,5-Trichlorophenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2,4,6-Trichlorophenol	190 U	2.1 U	190 U	190 U	200 U	210 U	200 U
2,4-Dichlorophenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2,4-Dinitrophenol	940 U	14 U	940 U	930 U	1000 U	1000 U	1000 U
2,4-Dinitrotoluene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2,6-Dinitrotoluene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2-Chloronaphthalene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2-Chlorophenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2-Methylnaphthalene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2-Methylphenol (o-cresol)	190 U	10 U	190 U	190 U	200 U	210 U	200 U
2-Nitroaniline	940 U	50 U	940 U	930 U	1000 U	1000 U	1000 U
2-Nitrophenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
3,3'-Dichlorobenzidine	360 U	20 U	360 U	360 U	390 U	410 U	390 U
3-Methylphenol/4-Methylphenol	190 U	10 U	190 U	190 U	200 U	410 U	200 U
3-Nitroaniline	940 U	50 U	940 U	930 U	1000 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	940 U	13 U	940 U	930 U	1000 U	1000 U	1000 U
4-Bromophenylphenyl ether	190 U	1.0 U	190 U	190 U	200 U	210 U	200 U
4-Chloro-3-methylphenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
4-Chloroaniline	360 U	20 U	360 U	360 U	390 U	410 U	390 U
4-Chlorophenylphenyl ether	190 U	10 U	190 U	190 U	200 U	210 U	200 U
4-Nitroaniline	940 U	50 U	940 U	930 U	1000 U	1000 U	1000 U
4-Nitrophenol	940 U	50 U	940 U	930 U	1000 U	1000 U	1000 U
Acenaphthene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Acenaphthylene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Anthracene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Benzo(a)anthracene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Benzo(a)pyrene	99 U	10 U	99 U	99 U	110 U	110 U	110 U
Benzo(b)fluoranthene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Benzo(g,h,i)perylene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Benzo(k)fluoranthene	190 U	10 U	190 U	190 U	200 U	210 U	200 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Carbazole	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Chrysene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Di-n-butylphthalate	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Di-n-octylphthalate	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Dibenzo(a,h)anthracene	99 U	10 U	99 U	99 U	110 U	110 U	110 U
Dibenzofuran	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Diethylphthalate	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Dimethylphthalate	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Fluoranthene	37 J	10 U	190 U	190 U	200 U	210 U	200 U
Fluorene	190 U	1.0 U	190 U	190 U	200 U	210 U	200 U
Hexachlorobenzene	77 U	10 U	77 U	77 U	84 U	86 U	84 U
Hexachlorobutadiene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Hexachlorocyclopentadiene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Hexachloroethane	190 U	1.9 U	190 U	190 U	200 U	210 U	200 U
Indeno(1,2,3-cd)pyrene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Isophorone	190 U	10 U	190 U	190 U	200 U	210 U	200 U
N-Nitroso-di-n-propylamine	190 U	10 U	190 U	190 U	200 U	210 U	200 U
N-Nitrosodiphenylamine	190 U	5.0 U	190 U	190 U	200 U	210 U	200 U
Naphthalene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Nitrobenzene	190 U	3.5 U	190 U	190 U	200 U	210 U	200 U
Pentachlorophenol	940 U	5.0 U	940 U	930 U	1000 U	1000 U	1000 U
Phenanthrene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Phenol	190 U	10 U	190 U	190 U	200 U	210 U	200 U
Pyrene	190 U	10 U	190 U	190 U	200 U	210 U	200 U
bis(2-Chloroethoxy)methane	190 U	10 U	190 U	190 U	200 U	210 U	200 U
bis(2-Chloroethyl)ether	190 U	10 U	190 U	190 U	200 U	210 U	200 U
bis(2-Ethylhexyl)phthalate	190 U	1.8 U	190 U	190 U	200 U	210 U	200 U
Total Semivolatiles	37	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
1,2-Dichlorobenzene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
1,3-Dichlorobenzene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
1,4-Dichlorobenzene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,2'-Oxybis(1-Chloropropane)	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,4,5-Trichlorophenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,4,6-Trichlorophenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,4-Dichlorophenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,4-Dinitrophenol	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
2,4-Dinitrotoluene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2,6-Dinitrotoluene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2-Chloronaphthalene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2-Chlorophenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2-Methylnaphthalene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2-Methylphenol (o-cresol)	200 U	200 U	210 U	200 U	200 U	200 U	190 U
2-Nitroaniline	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
2-Nitrophenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
3,3'-Dichlorobenzidine	390 U	390 U	400 U	390 U	380 U	380 U	380 U
3-Methylphenol/4-Methylphenol	390 U	390 U	400 U	390 U	380 U	380 U	380 U
3-Nitroaniline	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
4,6-Dinitro-2-methylphenol	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
4-Bromophenylphenyl ether	200 U	200 U	210 U	200 U	200 U	200 U	190 U
4-Chloro-3-methylphenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
4-Chloroaniline	390 U	390 U	400 U	390 U	380 U	380 U	380 U
4-Chlorophenylphenyl ether	200 U	200 U	210 U	200 U	200 U	200 U	190 U
4-Nitroaniline	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
4-Nitrophenol	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
Acenaphthene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Acenaphthylene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Anthracene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Benzo(a)anthracene	200 U	72 J	210 U	200 U	200 U	200 U	190 U
Benzo(a)pyrene	110 U	72 J	110 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	200 U	72 J	210 U	200 U	200 U	200 U	27 J
Benzo(g,h,i)perylene	200 U	40 J	49 J	200 U	200 U	200 U	190 U
Benzo(k)fluoranthene	200 U	53 J	210 U	200 U	200 U	200 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Carbazole	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Chrysene	200 U	89 J	210 U	200 U	200 U	200 U	28 J
Di-n-butylphthalate	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Di-n-octylphthalate	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Dibenzo(a,h)anthracene	110 U	110 U	110 U	100 U	100 U	100 U	100 U
Dibenzofuran	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Diethylphthalate	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Dimethylphthalate	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Fluoranthene	200 U	150 J	210 U	200 U	200 U	200 U	37 J
Fluorene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Hexachlorobenzene	83 U	84 U	85 U	82 U	81 U	81 U	80 U
Hexachlorobutadiene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Hexachlorocyclopentadiene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Hexachloroethane	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Indeno(1,2,3-cd)pyrene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Isophorone	200 U	200 U	210 U	200 U	200 U	200 U	190 U
N-Nitroso-di-n-propylamine	200 U	200 U	210 U	200 U	200 U	200 U	190 U
N-Nitrosodiphenylamine	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Naphthalene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Nitrobenzene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Pentachlorophenol	1000 U	1000 U	1000 U	1000 U	980 U	980 U	970 U
Phenanthrene	200 U	61 J	210 U	200 U	200 U	200 U	190 U
Phenol	200 U	200 U	210 U	200 U	200 U	200 U	190 U
Pyrene	200 U	120 J	210 U	200 U	200 U	200 U	190 U
bis(2-Chloroethoxy)methane	200 U	200 U	210 U	200 U	200 U	200 U	190 U
bis(2-Chloroethyl)ether	200 U	200 U	210 U	200 U	200 U	200 U	190 U
bis(2-Ethylhexyl)phthalate	200 U	94 J	210 U	200 U	200 U	200 U	190 U
Total Semivolatiles	ND	823	49	ND	ND	ND	92

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

CONTINUED

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
1,2-Dichlorobenzene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
1,3-Dichlorobenzene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
1,4-Dichlorobenzene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2,2'-Oxybis(1-Chloropropane)	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2,4,5-Trichlorophenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2,4,6-Trichlorophenol	190 U	2.1 U	200 U	180 U	190 U	180 U	180 U
2,4-Dichlorophenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2,4-Dinitrophenol	960 U	14 U	980 U	890 U	960 U	900 U	900 U
2,4-Dinitrotoluene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2,6-Dinitrotoluene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2-Chloronaphthalene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2-Chlorophenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2-Methylnaphthalene	190 U	10 U	200 U	180 U	190 U	72 J	33 J
2-Methylphenol (o-cresol)	190 U	10 U	200 U	180 U	190 U	180 U	180 U
2-Nitroaniline	960 U	50 U	980 U	890 U	960 U	900 U	900 U
2-Nitrophenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
3,3'-Dichlorobenzidine	370 U	20 U	380 U	340 U	380 U	350 U	350 U
3-Methylphenol/4-Methylphenol	370 U	10 U	380 U	340 U	190 U	180 U	180 U
3-Nitroaniline	960 U	50 U	980 U	890 U	960 U	900 U	900 U
4,6-Dinitro-2-methylphenol	960 U	13 U	980 U	890 U	960 U	900 U	900 U
4-Bromophenylphenyl ether	190 U	1.0 U	200 U	180 U	190 U	180 U	180 U
4-Chloro-3-methylphenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
4-Chloroaniline	370 U	20 U	380 U	340 U	380 U	350 U	350 U
4-Chlorophenylphenyl ether	190 U	10 U	200 U	180 U	190 U	180 U	180 U
4-Nitroaniline	960 U	50 U	980 U	890 U	960 U	900 U	900 U
4-Nitrophenol	960 U	50 U	980 U	890 U	960 U	900 U	900 U
Acenaphthene	190 U	10 U	200 U	180 U	190 U	1200	310
Acenaphthylene	190 U	10 U	200 U	180 U	190 U	49 J	56 J
Anthracene	190 U	10 U	200 U	51 J	190 U	2300	600
Benzo(a)anthracene	23 J	10 U	200 U	480	34 J	4300	1200
Benzo(a)pyrene	100 U	10 U	100 U	860	100 U	3500	1100
Benzo(b)fluoranthene	30 J	10 U	200 U	970	190 U	3500	1000
Benzo(g,h,i)perylene	190 U	10 U	200 U	830	190 U	2200	670
Benzo(k)fluoranthene	190 U	10 U	200 U	1000	190 U	3300	840

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Carbazole	190 U	10 U	200 U	88 J	190 U	1000	200
Chrysene	37 J	10 U	29 J	980	35 J	4400	1100
Di-n-butylphthalate	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Di-n-octylphthalate	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Dibenzo(a,h)anthracene	100 U	10 U	100 U	250	90 U	810	95 U
Dibenzofuran	190 U	10 U	200 U	180 U	190 U	770	160 J
Diethylphthalate	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Dimethylphthalate	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Fluoranthene	50 J	10 U	200 U	1500	41 J	10000	2900
Fluorene	190 U	1.0 U	200 U	180 U	190 U	1400	310
Hexachlorobenzene	79 U	10 U	80 U	73 U	80 U	74 U	74 U
Hexachlorobutadiene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Hexachlorocyclopentadiene	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Hexachloroethane	190 U	1.9 U	200 U	180 U	190 U	180 U	180 U
Indeno(1,2,3-cd)pyrene	190 U	10 U	200 U	690	190 U	2000	610
Isophorone	190 U	10 U	200 U	180 U	190 U	180 U	180 U
N-Nitroso-di-n-propylamine	190 U	10 U	200 U	180 U	190 U	180 U	180 U
N-Nitrosodiphenylamine	190 U	5.0 U	200 U	180 U	190 U	180 U	180 U
Naphthalene	190 U	10 U	200 U	180 U	190 U	41 J	68 J
Nitrobenzene	190 U	3.5 U	200 U	180 U	190 U	180 U	180 U
Pentachlorophenol	960 U	5.0 U	980 U	890 U	960 U	900 U	900 U
Phenanthrene	190 U	10 U	200 U	530	190 U	9200	2400
Phenol	190 U	10 U	200 U	180 U	190 U	180 U	180 U
Pyrene	190 U	10 U	200 U	1400	190 U	8500	2300
bis(2-Chloroethoxy)methane	190 U	10 U	200 U	180 U	190 U	180 U	180 U
bis(2-Chloroethyl)ether	190 U	10 U	200 U	180 U	190 U	180 U	180 U
bis(2-Ethylhexyl)phthalate	190 U	0.56 J	200 U	61 J	190 U	180 U	180 U
Total Semivolatiles	140	0.56	29	9690	110	58542	15857

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
1,2-Dichlorobenzene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
1,3-Dichlorobenzene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
1,4-Dichlorobenzene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,2'-Oxybis(1-Chloropropane)	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,4,5-Trichlorophenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,4,6-Trichlorophenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,4-Dichlorophenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,4-Dinitrophenol	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
2,4-Dinitrotoluene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2,6-Dinitrotoluene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2-Chloronaphthalene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2-Chlorophenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2-Methylnaphthalene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2-Methylphenol (o-cresol)	180 U	180 U	180 U	200 U	190 U	190 U	190 U
2-Nitroaniline	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
2-Nitrophenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
3,3'-Dichlorobenzidine	350 U	340 U	360 U	390 U	370 U	370 U	360 U
3-Methylphenol/4-Methylphenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
3-Nitroaniline	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
4,6-Dinitro-2-methylphenol	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
4-Bromophenylphenyl ether	180 U	180 U	180 U	200 U	190 U	190 U	190 U
4-Chloro-3-methylphenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
4-Chloroaniline	350 U	340 U	360 U	390 U	370 U	370 U	360 U
4-Chlorophenylphenyl ether	180 U	180 U	180 U	200 U	190 U	190 U	190 U
4-Nitroaniline	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
4-Nitrophenol	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
Acenaphthene	130 J	180 U	62 J	200 U	57 J	190 U	190 U
Acenaphthylene	94 J	180 U	24 J	200 U	190 U	190 U	190 U
Anthracene	430	180 U	200	30 J	120 J	190 U	190 U
Benzo(a)anthracene	1200	81 J	610	140 J	300	190 U	190 U
Benzo(a)pyrene	1000	120 U	660	180 U	280	100 U	100 U
Benzo(b)fluoranthene	880	180 U	720	200 U	240	190 U	190 U
Benzo(g,h,i)perylene	580	180 U	410	200 U	190 U	190 U	190 U
Benzo(k)fluoranthene	900	180 U	400	200 U	230	190 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Carbazole	96 J	180 U	100 J	200 U	62 J	190 U	190 U
Chrysene	1200	110 J	650	180 J	320	190 U	190 U
Di-n-butylphthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Di-n-octylphthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Dibenzo(a,h)anthracene	140 U	93 U	150 U	110 U	100 U	100 U	100 U
Dibenzofuran	84 J	180 U	45 J	200 U	190 U	190 U	190 U
Diethylphthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Dimethylphthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Fluoranthene	2600	170 J	1400	290	730	190 U	190 U
Fluorene	140 J	180 U	59 J	200 U	44 J	190 U	190 U
Hexachlorobenzene	74 U	72 U	76 U	83 U	78 U	79 U	78 U
Hexachlorobutadiene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Hexachloroethane	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Indeno(1,2,3-cd)pyrene	510	180 U	310	200 U	190 U	190 U	190 U
Isophorone	180 U	180 U	180 U	200 U	190 U	190 U	190 U
N-Nitroso-di-n-propylamine	180 U	180 U	180 U	200 U	190 U	190 U	190 U
N-Nitrosodiphenylamine	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Naphthalene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Nitrobenzene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Pentachlorophenol	900 U	880 U	920 U	1000 U	950 U	960 U	940 U
Phenanthrene	1800	75 J	920	120 J	570	190 U	190 U
Phenol	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Pyrene	2300	160 J	1200	260	580	190 U	190 U
bis(2-Chloroethoxy)methane	180 U	180 U	180 U	200 U	190 U	190 U	190 U
bis(2-Chloroethyl)ether	180 U	180 U	180 U	200 U	190 U	190 U	190 U
bis(2-Ethylhexyl)phthalate	180 U	180 U	180 U	200 U	190 U	190 U	190 U
Total Semivolatiles	13944	596	7770	1020	3533	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
1,2-Dichlorobenzene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
1,3-Dichlorobenzene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
1,4-Dichlorobenzene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2,2'-Oxybis(1-Chloropropane)	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2,4,5-Trichlorophenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2,4,6-Trichlorophenol	180 U	190 U	180 U	2.1 U	200 U	200 UJ	200 U
2,4-Dichlorophenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2,4-Dinitrophenol	920 U	960 U	880 U	14 U	1000 U	1000 UJ	990 U
2,4-Dinitrotoluene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2,6-Dinitrotoluene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2-Chloronaphthalene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2-Chlorophenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2-Methylnaphthalene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2-Methylphenol (o-cresol)	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
2-Nitroaniline	920 U	960 U	880 U	50 U	1000 U	1000 UJ	990 U
2-Nitrophenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
3,3'-Dichlorobenzidine	360 U	370 U	340 U	20 U	390 U	390 UJ	380 U
3-Methylphenol/4-Methylphenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
3-Nitroaniline	920 U	960 U	880 U	50 U	1000 U	1000 UJ	990 U
4,6-Dinitro-2-methylphenol	920 U	960 U	880 U	13 U	1000 U	1000 UJ	990 U
4-Bromophenylphenyl ether	180 U	190 U	180 U	1.0 U	200 U	200 UJ	200 U
4-Chloro-3-methylphenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
4-Chloroaniline	360 U	370 U	340 U	20 U	390 U	390 UJ	380 U
4-Chlorophenylphenyl ether	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
4-Nitroaniline	920 U	960 U	880 U	50 U	1000 U	1000 UJ	990 U
4-Nitrophenol	920 U	960 U	880 U	50 U	1000 U	1000 UJ	990 U
Acenaphthene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Acenaphthylene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Anthracene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Benzo(a)anthracene	180 U	36 J	73 J	10 U	82 J	110 J	25 J
Benzo(a)pyrene	98 U	120 U	94 U	10 U	100 U	130 J	100 U
Benzo(b)fluoranthene	180 U	86 J	93 J	10 U	120 J	110 J	34 J
Benzo(g,h,i)perylene	180 U	190 U	180 U	10 U	200 U	130 J	200 U
Benzo(k)fluoranthene	180 U	190 U	180 U	10 U	200 U	140 J	200 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Carbazole	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Chrysene	180 U	49 J	120 J	10 U	120 J	200 J	30 J
Di-n-butylphthalate	180 U	32 J	180 U	10 U	200 U	200 UJ	200 U
Di-n-octylphthalate	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Dibenzo(a,h)anthracene	98 U	160	93 U	10 U	48 J	110 UJ	100 U
Dibenzofuran	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Diethylphthalate	180 U	39 J	180 U	10 U	200 U	200 UJ	200 U
Dimethylphthalate	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Fluoranthene	180 U	190 U	200	10 U	200	290 J	42 J
Fluorene	180 U	190 U	180 U	1.0 U	200 U	200 UJ	200 U
Hexachlorobenzene	76 U	79 U	73 U	10 U	82 U	82 UJ	82 U
Hexachlorobutadiene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Hexachlorocyclopentadiene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Hexachloroethane	180 U	190 U	180 U	1.9 U	200 U	200 UJ	200 U
Indeno(1,2,3-cd)pyrene	180 U	190 J	79 J	10 U	84 J	100 J	200 U
Isophorone	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
N-Nitroso-di-n-propylamine	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
N-Nitrosodiphenylamine	180 U	190 U	180 U	5.0 U	200 U	200 UJ	200 U
Naphthalene	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Nitrobenzene	180 U	190 U	180 U	3.5 U	200 U	200 UJ	200 U
Pentachlorophenol	920 U	960 U	880 U	5.0 U	1000 U	1000 UJ	990 U
Phenanthrene	180 U	23 J	74 J	10 U	80 J	110 J	200 U
Phenol	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
Pyrene	180 U	190 U	160 J	10 U	170 J	210 J	200 U
bis(2-Chloroethoxy)methane	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
bis(2-Chloroethyl)ether	180 U	190 U	180 U	10 U	200 U	200 UJ	200 U
bis(2-Ethylhexyl)phthalate	180 U	53 J	180 U	1.8 U	200 U	200 UJ	29 J
Total Semivolatiles	ND	668	799	ND	904	1530	160

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
1,2-Dichlorobenzene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
1,3-Dichlorobenzene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
1,4-Dichlorobenzene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2,2'-Oxybis(1-Chloropropane)	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2,4,5-Trichlorophenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2,4,6-Trichlorophenol	190 U	180 U	2.1 U	180 U	190 U	210 U	180 U
2,4-Dichlorophenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2,4-Dinitrophenol	970 U	930 U	14 U	920 U	960 U	1000 U	920 U
2,4-Dinitrotoluene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2,6-Dinitrotoluene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2-Chloronaphthalene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2-Chlorophenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2-Methylnaphthalene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2-Methylphenol (o-cresol)	190 U	180 U	10 U	180 U	190 U	210 U	180 U
2-Nitroaniline	970 U	930 U	50 U	920 U	960 U	1000 U	920 U
2-Nitrophenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
3,3'-Dichlorobenzidine	380 U	360 U	20 U	360 U	370 U	410 U	360 U
3-Methylphenol/4-Methylphenol	190 U	180 U	10 U	180 U	190 U	410 U	360 U
3-Nitroaniline	970 U	930 U	50 U	920 U	960 U	1000 U	920 U
4,6-Dinitro-2-methylphenol	970 U	930 U	13 U	920 U	960 U	1000 U	920 U
4-Bromophenylphenyl ether	190 U	180 U	1.0 U	180 U	190 U	210 U	180 U
4-Chloro-3-methylphenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
4-Chloroaniline	380 U	360 U	20 U	360 U	370 U	410 U	360 U
4-Chlorophenylphenyl ether	190 U	180 U	10 U	180 U	190 U	210 U	180 U
4-Nitroaniline	970 U	930 U	50 U	920 U	960 U	1000 U	920 U
4-Nitrophenol	970 U	930 U	50 U	920 U	960 U	1000 U	920 U
Acenaphthene	190 U	180 U	10 U	180 U	16 J	210 U	180 U
Acenaphthylene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Anthracene	35 J	180 U	10 U	180 U	32 J	210 U	180 U
Benzo(a)anthracene	160 J	54 J	10 U	88 J	150 J	63 J	46 J
Benzo(a)pyrene	160 U	98 U	10 U	97 U	160 U	84 J	61 J
Benzo(b)fluoranthene	150 J	67 J	10 U	88 J	160 J	85 J	57 J
Benzo(g,h,i)perylene	190 U	180 U	10 U	180 U	220 U	100 J	63 J
Benzo(k)fluoranthene	190 U	180 U	10 U	180 U	190 U	69 J	51 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Carbazole	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Chrysene	200	68 J	10 U	110 J	190 J	91 J	64 J
Di-n-butylphthalate	190 U	180 U	10 U	180 U	190 U	95 J	170 J
Di-n-octylphthalate	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Dibenzo(a,h)anthracene	100 U	26 J	10 U	97 U	69 J	110 U	98 U
Dibenzofuran	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Diethylphthalate	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Dimethylphthalate	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Fluoranthene	360	120 J	10 U	210	290	120 J	99 J
Fluorene	190 U	180 U	1.0 U	180 U	190 U	210 U	180 U
Hexachlorobenzene	80 U	76 U	10 U	76 U	79 U	86 U	76 U
Hexachlorobutadiene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Hexachlorocyclopentadiene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Hexachloroethane	190 U	180 U	1.9 U	180 U	190 U	210 U	180 U
Indeno(1,2,3-cd)pyrene	110 J	51 J	10 U	180 U	110 J	210 U	52 J
Isophorone	190 U	180 U	10 U	180 U	190 U	210 U	180 U
N-Nitroso-di-n-propylamine	190 U	180 U	10 U	180 U	190 U	210 U	180 U
N-Nitrosodiphenylamine	190 U	180 U	5.0 U	180 U	190 U	210 U	180 U
Naphthalene	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Nitrobenzene	190 U	180 U	3.5 U	180 U	190 U	210 U	180 U
Pentachlorophenol	970 U	930 U	5.0 U	920 U	960 U	1000 U	920 U
Phenanthrene	160 J	55 J	10 U	120 J	140 J	43 J	38 J
Phenol	190 U	180 U	10 U	180 U	190 U	210 U	180 U
Pyrene	310	97 J	10 U	180 J	260	99 J	90 J
bis(2-Chloroethoxy)methane	190 U	180 U	10 U	180 U	190 U	210 U	180 U
bis(2-Chloroethyl)ether	190 U	180 U	10 U	180 U	190 U	210 U	180 U
bis(2-Ethylhexyl)phthalate	190 U	180 U	1.8 U	180 U	190 U	210 U	42 J
Total Semivolatiles	1485	538	ND	796	1417	849	833

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
1,2-Dichlorobenzene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
1,3-Dichlorobenzene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
1,4-Dichlorobenzene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2,2'-Oxybis(1-Chloropropane)	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2,4,5-Trichlorophenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2,4,6-Trichlorophenol	200 U	200 U	180 U	180 U	180 U	2.1 U	190 U
2,4-Dichlorophenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2,4-Dinitrophenol	980 U	980 U	910 U	920 U	900 U	14 U	940 U
2,4-Dinitrotoluene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2,6-Dinitrotoluene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2-Chloronaphthalene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2-Chlorophenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2-Methylnaphthalene	200 U	200 U	180 U	180 U	180 U	10 U	65 J
2-Methylphenol (o-cresol)	200 U	200 U	180 U	180 U	180 U	10 U	190 U
2-Nitroaniline	980 U	980 U	910 U	920 U	900 U	50 U	940 U
2-Nitrophenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
3,3'-Dichlorobenzidine	380 U	380 U	350 U	360 U	350 U	20 U	370 U
3-Methylphenol/4-Methylphenol	380 U	380 U	350 U	360 U	350 U	10 U	370 U
3-Nitroaniline	980 U	980 U	910 U	920 U	900 U	50 U	940 U
4,6-Dinitro-2-methylphenol	980 U	980 U	910 U	920 U	900 U	13 U	940 U
4-Bromophenylphenyl ether	200 U	200 U	180 U	180 U	180 U	1.0 U	190 U
4-Chloro-3-methylphenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
4-Chloroaniline	380 U	380 U	350 U	360 U	350 U	20 U	370 U
4-Chlorophenylphenyl ether	200 U	200 U	180 U	180 U	180 U	10 U	190 U
4-Nitroaniline	980 U	980 U	910 U	920 U	900 U	50 U	940 U
4-Nitrophenol	980 U	980 U	910 U	920 U	900 U	50 U	940 U
Acenaphthene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Acenaphthylene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Anthracene	200 U	200 U	180 U	180 U	180 U	10 U	41 J
Benzo(a)anthracene	45 J	42 J	36 J	46 J	86 J	10 U	360
Benzo(a)pyrene	100 U	51 J	44 J	55 J	95 J	10 U	360
Benzo(b)fluoranthene	79 J	51 J	40 J	65 J	130 J	10 U	430
Benzo(g,h,i)perylene	59 J	50 J	40 J	53 J	71 J	10 U	270
Benzo(k)fluoranthene	36 J	45 J	37 J	46 J	65 J	10 U	310

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
Butylbenzylphthalate	200 U	200 U	180 U	180 U	180 U	10 U	58 J
Carbazole	200 U	200 U	180 U	180 U	180 U	10 U	58 J
Chrysene	70 J	59 J	48 J	78 J	130 J	10 U	530
Di-n-butylphthalate	76 J	74 J	75 J	100 J	47 J	10 U	40 J
Di-n-octylphthalate	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Dibenzo(a,h)anthracene	100 U	100 U	97 U	98 U	95 U	10 U	100
Dibenzofuran	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Diethylphthalate	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Dimethylphthalate	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Fluoranthene	110 J	92 J	84 J	110 J	210	10 U	970
Fluorene	200 U	200 U	180 U	180 U	180 U	1.0 U	190 U
Hexachlorobenzene	80 U	80 U	75 U	76 U	74 U	10 U	78 U
Hexachlorobutadiene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Hexachlorocyclopentadiene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Hexachloroethane	200 U	200 U	180 U	180 U	180 U	1.9 U	190 U
Indeno(1,2,3-cd)pyrene	200 U	200 U	180 U	180 U	180 U	10 U	250
Isophorone	200 U	200 U	180 U	180 U	180 U	10 U	190 U
N-Nitroso-di-n-propylamine	200 U	200 U	180 U	180 U	180 U	10 U	190 U
N-Nitrosodiphenylamine	200 U	200 U	180 U	180 U	180 U	5.0 U	190 U
Naphthalene	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Nitrobenzene	200 U	200 U	180 U	180 U	180 U	3.5 U	190 U
Pentachlorophenol	980 U	980 U	910 U	920 U	900 U	5.0 U	940 U
Phenanthrene	44 J	39 J	37 J	41 J	77 J	10 U	430
Phenol	200 U	200 U	180 U	180 U	180 U	10 U	190 U
Pyrene	100 J	80 J	72 J	76 J	150 J	10 U	700
bis(2-Chloroethoxy)methane	200 U	200 U	180 U	180 U	180 U	10 U	190 U
bis(2-Chloroethyl)ether	200 U	200 U	180 U	180 U	180 U	10 U	190 U
bis(2-Ethylhexyl)phthalate	200 U	200 U	180 U	180 U	54 J	1.8 U	64 J
Total Semivolatiles	619	583	513	670	1115	ND	5036

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	53	43	740	20 UJ	0.50 U	69	75
Dichlorobiphenyl	4.3 U	4.4 U	4.1 U	4 UJ	0.10 U	3.8 U	3.8 U
Heptachlorobiphenyl	13 U	13 U	94	12 UJ	0.30 U	11 U	11 U
Hexachlorobiphenyl	8.8 U	8.9 U	170	8.1 UJ	0.20 U	7.6 U	7.6 U
Monochlorobiphenyl	4.3 U	4.4 U	4.1 U	4 UJ	0.10 U	3.8 U	3.8 U
Nonachlorobiphenyl	42	29	450	20 UJ	0.50 U	19 U	19 U
Octachlorobiphenyl	13 U	13 U	71	12 UJ	0.30 U	11 U	11 U
Pentachlorobiphenyl	8.8 U	8.9 U	130	8.1 UJ	0.20 U	7.6 U	7.6 U
Tetrachlorobiphenyl	8.8 U	8.9 U	47	8.1 UJ	0.20 U	7.6 U	7.6 U
Trichlorobiphenyl	4.3 U	4.4 U	3.8 J	4 UJ	0.10 U	3.8 U	3.8 U
Total PCBs	95	72	1705.8	ND	ND	69	75

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	35	28	41	19 U	12 J	13 J	13 J
Dichlorobiphenyl	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Heptachlorobiphenyl	11 U	12 U	12 U	11 U	13 U	12 U	12 U
Hexachlorobiphenyl	7.6 U	8.0 U	8.0 U	7.7 U	8.8 U	8.3 U	8.0 U
Monochlorobiphenyl	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Nonachlorobiphenyl	19 U	20 U	20 U	19 U	22 U	21 U	20 U
Octachlorobiphenyl	11 U	12 U	12 U	11 U	13 U	12 U	12 U
Pentachlorobiphenyl	7.6 U	8.0 U	8.0 U	7.7 U	8.8 U	8.3 U	8.0 U
Tetrachlorobiphenyl	7.6 U	8.0 U	8.0 U	7.7 U	8.8 U	8.3 U	8.0 U
Trichlorobiphenyl	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Total PCBs	35	28	41	ND	12	13	13

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	30	0.50 U	48	47	33	21 U	20 U
Dichlorobiphenyl	3.8 U	0.10 U	4.0 U	4.0 U	4.1 U	4.1 U	3.9 U
Heptachlorobiphenyl	11 U	0.30 U	12 U	12 U	12 U	12 UJ	12 U
Hexachlorobiphenyl	7.7 U	0.20 U	8.2 U	8.1 U	8.4 U	8.3 UJ	8.0 U
Monochlorobiphenyl	3.8 U	0.10 U	4.0 U	4.0 U	4.1 U	4.1 UJ	3.9 U
Nonachlorobiphenyl	19 U	0.50 U	20 U	20 U	9.2 J	21 U	20 U
Octachlorobiphenyl	11 U	0.30 U	12 U	12 U	12 U	12 U	12 U
Pentachlorobiphenyl	7.7 U	0.20 U	8.2 U	8.1 U	8.4 U	8.3 UJ	8.0 U
Tetrachlorobiphenyl	7.7 U	0.20 U	8.2 U	8.1 U	8.4 U	8.3 UJ	8.0 U
Trichlorobiphenyl	3.8 U	0.10 U	4.0 U	4.0 U	4.1 U	4.1 U	3.9 U
Total PCBs	30	ND	48	47	42.2	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	0.50 U	20 U	25 J	130	11 J	18 U	19 U
Dichlorobiphenyl	0.10 U	3.9 U	3.6 UJ	3.9 U	3.8 UJ	3.6 U	3.8 U
Heptachlorobiphenyl	0.30 U	12 U	11 UJ	12 U	11 UJ	11 U	12 U
Hexachlorobiphenyl	0.20 U	7.9 U	7.4 UJ	7.9 U	7.6 UJ	7.3 U	7.8 U
Monochlorobiphenyl	0.10 U	3.9 U	3.6 UJ	3.9 U	3.8 UJ	3.6 U	3.8 U
Nonachlorobiphenyl	0.50 U	20 U	10 J	49	19 UJ	18 U	19 U
Octachlorobiphenyl	0.30 U	12 U	11 UJ	12 U	11 UJ	11 U	12 U
Pentachlorobiphenyl	0.20 U	7.9 U	7.4 UJ	7.9 U	7.6 UJ	7.3 U	7.8 U
Tetrachlorobiphenyl	0.20 U	7.9 U	7.4 UJ	7.9 U	7.6 UJ	7.3 U	7.8 U
Trichlorobiphenyl	0.10 U	3.9 U	3.6 UJ	3.9 U	3.8 UJ	3.6 U	3.8 U
Total PCBs	ND	ND	35	179	11	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	10 J	55	81	140 J	85	73	83 J
Dichlorobiphenyl	4.0 U	4.1 U	4.0 U	4.2 UJ	3.9 U	3.8 U	3.6 UJ
Heptachlorobiphenyl	12 U	12 U	12 U	13 UJ	12 U	12 U	11 UJ
Hexachlorobiphenyl	8.1 U	8.3 U	8.2 U	8.6 UJ	7.9 U	7.7 U	7.2 UJ
Monochlorobiphenyl	4.0 U	4.1 U	4.0 U	4.2 UJ	3.9 U	3.8 U	3.6 UJ
Nonachlorobiphenyl	20 U	29	28	91 J	41	35	40 J
Octachlorobiphenyl	12 U	12 U	12 U	13 UJ	12 U	3.8 J	11 UJ
Pentachlorobiphenyl	8.1 U	8.3 U	8.2 U	8.6 UJ	7.9 U	7.7 U	7.2 UJ
Tetrachlorobiphenyl	8.1 U	8.3 U	8.2 U	8.6 UJ	7.9 U	7.7 U	7.2 UJ
Trichlorobiphenyl	4.0 U	4.1 U	4.0 U	4.2 UJ	3.9 U	3.8 U	3.6 UJ
Total PCBs	10	84	109	231	126	111.8	123

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Compound	Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
	Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
	Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Decachlorobiphenyl		68	0.50 U	56	96	80	34 J	20 UJ
Dichlorobiphenyl		3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.1 UJ	3.9 UJ
Heptachlorobiphenyl		11 U	0.30 U	11 U	11 U	12 U	12 UJ	12 UJ
Hexachlorobiphenyl		7.4 U	0.20 U	7.4 U	7.4 U	8.0 U	8.3 UJ	8.0 UJ
Monochlorobiphenyl		3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.1 UJ	3.9 UJ
Nonachlorobiphenyl		32	0.50 U	29	34	32	18 J	17 J
Octachlorobiphenyl		11 U	0.30 U	11 U	11 U	12 U	12 UJ	12 UJ
Pentachlorobiphenyl		7.4 U	0.20 U	7.4 U	7.4 U	8.0 U	8.3 UJ	8.0 UJ
Tetrachlorobiphenyl		7.4 U	0.20 U	7.4 U	7.4 U	8.0 U	8.3 UJ	8.0 UJ
Trichlorobiphenyl		3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.1 UJ	3.9 UJ
Total PCBs		100	ND	85	130	112	52	17

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	110 J	48	62	72	47	39	52
Dichlorobiphenyl	3.9 UJ	4.0 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Heptachlorobiphenyl	12 UJ	12 U	12 U	12 U	12 U	12 U	11 U
Hexachlorobiphenyl	8.0 UJ	8.1 U	8.2 U	8.0 U	7.8 U	7.8 U	7.7 U
Monochlorobiphenyl	3.9 UJ	4.0 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Nonachlorobiphenyl	54 J	16 J	35	44	21	17 J	38
Octachlorobiphenyl	12 UJ	12 U	12 U	12 U	12 U	12 U	11 U
Pentachlorobiphenyl	8.0 UJ	8.1 U	8.2 U	8.0 U	7.8 U	7.8 U	7.7 U
Tetrachlorobiphenyl	8.0 UJ	8.1 U	8.2 U	8.0 U	7.8 U	7.8 U	7.7 U
Trichlorobiphenyl	3.9 UJ	4.0 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Total PCBs	164	64	97	116	68	56	90

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	58	0.50 U	20	180 U	33 J	89 U	18 U
Dichlorobiphenyl	3.7 U	0.10 U	3.8 U	35 U	3.8 UJ	18 U	3.5 U
Heptachlorobiphenyl	11 U	0.30 U	11 U	100 U	11 UJ	53 U	11 U
Hexachlorobiphenyl	7.5 U	0.20 U	7.7 U	70 U	7.6 UJ	36 U	7.1 U
Monochlorobiphenyl	3.7 U	0.10 U	3.8 U	35 U	3.8 UJ	18 U	3.5 U
Nonachlorobiphenyl	30	0.50 U	10 J	180 U	13 J	89 U	18 U
Octachlorobiphenyl	11 U	0.30 U	11 U	100 U	11 UJ	53 U	11 U
Pentachlorobiphenyl	7.5 U	0.20 U	7.7 U	70 U	7.6 UJ	36 U	7.1 U
Tetrachlorobiphenyl	7.5 U	0.20 U	7.7 U	70 U	7.6 UJ	36 U	7.1 U
Trichlorobiphenyl	3.7 U	0.10 U	3.8 U	35 U	3.8 UJ	18 U	3.5 U
Total PCBs	88	ND	30	ND	46	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	18 U	7.6 J	91 U	20 U	42	120	75
Dichlorobiphenyl	3.5 U	3.4 U	18 U	3.9 U	3.7 U	3.8 U	3.7 U
Heptachlorobiphenyl	11 U	10 U	54 U	12 U	11 U	11 U	11 U
Hexachlorobiphenyl	7.2 U	6.9 U	36 U	8.0 U	7.5 U	7.6 U	7.4 U
Monochlorobiphenyl	3.5 U	3.4 U	18 U	3.9 U	3.7 U	3.8 U	3.7 U
Nonachlorobiphenyl	18 U	17 U	91 U	20 U	16 J	45	20
Octachlorobiphenyl	11 U	10 U	54 U	12 U	11 U	11 U	11 U
Pentachlorobiphenyl	7.2 U	6.9 U	36 U	8.0 U	7.5 U	7.6 U	7.4 U
Tetrachlorobiphenyl	7.2 U	6.9 U	36 U	8.0 U	7.5 U	7.6 U	7.4 U
Trichlorobiphenyl	3.5 U	3.4 U	18 U	3.9 U	3.7 U	3.8 U	3.7 U
Total PCBs	ND	7.6	ND	ND	58	165	95

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	110 J	43	12 J	0.50 U	36 J	54 J	15 J
Dichlorobiphenyl	3.6 UJ	3.7 U	3.4 UJ	0.10 U	3.9 UJ	3.9 UJ	3.9 UJ
Heptachlorobiphenyl	11 UJ	11 U	10 UJ	0.30 U	12 UJ	12 UJ	12 UJ
Hexachlorobiphenyl	7.3 UJ	7.5 U	7.0 UJ	0.20 U	7.9 UJ	8.0 UJ	7.9 UJ
Monochlorobiphenyl	3.6 UJ	3.7 U	3.4 UJ	0.10 U	3.9 UJ	3.9 UJ	3.9 UJ
Nonachlorobiphenyl	27 J	16 J	7.9 J	0.50 U	15 J	30 J	20 UJ
Octachlorobiphenyl	11 UJ	11 U	10 UJ	0.30 U	12 UJ	12 UJ	12 UJ
Pentachlorobiphenyl	7.3 UJ	7.5 U	7.0 UJ	0.20 U	7.9 UJ	3.4 J	7.9 UJ
Tetrachlorobiphenyl	7.3 UJ	7.5 U	7.0 UJ	0.20 U	7.9 UJ	8.0 UJ	7.9 UJ
Trichlorobiphenyl	3.6 UJ	3.7 U	3.4 UJ	0.10 U	3.9 UJ	3.9 UJ	3.9 UJ
Total PCBs	137	59	19.9	ND	51	87.4	15

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	53	12 J	0.50 U	17 J	19 UJ	40	15 J
Dichlorobiphenyl	3.8 U	3.6 U	0.10 U	3.6 UJ	3.8 UJ	4.1 U	3.6 U
Heptachlorobiphenyl	92	11 U	0.30 U	11 UJ	11 UJ	12 U	11 U
Hexachlorobiphenyl	7.7 U	7.4 U	0.20 U	7.3 UJ	7.6 UJ	11	7.3 U
Monochlorobiphenyl	3.8 U	3.6 U	0.10 U	3.6 UJ	3.8 UJ	4.1 U	3.6 U
Nonachlorobiphenyl	32	18 U	0.50 U	8.2 J	19 UJ	17 J	18 U
Octachlorobiphenyl	48	11 U	0.30 U	11 UJ	11 UJ	12 U	11 U
Pentachlorobiphenyl	160	7.1 J	0.20 U	12 J	7.6 UJ	22	7.3 U
Tetrachlorobiphenyl	7.7 U	7.4 U	0.20 U	7.3 UJ	7.6 UJ	8.3 U	7.3 U
Trichlorobiphenyl	3.8 U	3.6 U	0.10 U	3.6 UJ	3.8 UJ	4.1 U	3.6 U
Total PCBs	385	19.1	ND	37.2	ND	90	15

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
Decachlorobiphenyl	35	51	23	7.5 J	28	0.50 U	39
Dichlorobiphenyl	3.8 U	3.8 U	3.5 U	3.6 U	3.5 U	0.10 U	3.7 U
Heptachlorobiphenyl	11 U	11 U	11 U	11 U	11 U	0.30 U	11 U
Hexachlorobiphenyl	7.7 U	7.7 U	7.2 U	7.3 U	7.1 U	0.20 U	7.4 U
Monochlorobiphenyl	3.8 U	3.8 U	3.5 U	3.6 U	3.5 U	0.10 U	3.7 U
Nonachlorobiphenyl	13 J	25	11 J	18 U	10 J	0.50 U	12 J
Octachlorobiphenyl	11 U	11 U	11 U	11 U	11 U	0.30 U	11 U
Pentachlorobiphenyl	7.7 U	7.7 U	7.2 U	7.3 U	7.1 U	0.12 J	7.4 U
Tetrachlorobiphenyl	7.7 U	7.7 U	7.2 U	7.3 U	7.1 U	0.20 U	7.4 U
Trichlorobiphenyl	3.8 U	3.8 U	3.5 U	3.6 U	3.5 U	0.10 U	3.7 U
Total PCBs	48	76	34	7.5	38	0.12	51

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Compound	Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
	Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
4,4'-DDD		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
4,4'-DDE		4.3 U	4.4 U	20	4 U	0.10 U	0.80 J	0.33 J
4,4'-DDT		4.3 U	4.4 U	17 J	4 U	0.10 U	3.8 U	3.8 U
Aldrin		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Alpha Chlordane		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Dieldrin		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Endosulfan I		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Endosulfan II		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Endosulfan sulfate		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Endrin		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Endrin aldehyde		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Endrin ketone		4.3 U	4.4 U	4.1 U	4 U	0.10 U	3.8 U	3.8 U
Gamma Chlordane		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Heptachlor		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Heptachlor epoxide		2.2 U	2.3 U	2.1 U	2 U	0.050 U	1.9 U	1.9 U
Methoxychlor		22 U	23 U	21 U	20 U	0.50 U	19 U	19 U
Toxaphene		220 U	230 U	210 U	200 U	5.0 U	190 U	190 U
alpha-BHC		0.66 U	0.67 U	0.62 U	0.6 U	0.039 U	0.57 U	0.57 U
beta-BHC		0.66 U	0.67 U	0.62 U	0.6 U	0.014 U	0.57 U	0.57 U
delta-BHC		0.66 U	0.67 U	0.62 U	0.6 U	0.012 U	0.57 U	0.57 U
gamma-BHC (Lindane)		2.2 U	2.3 U	2.1 U	2 U	0.019 U	1.9 U	1.9 U
Total Pesticides		ND	ND	37	ND	ND	0.8	0.33

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.8 U	3.9 U	3.9 U	3.8 U	0.56 J	4.1 U	3.9 U
4,4'-DDE	0.40 J	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	1.7 J
4,4'-DDT	3.8 U	3.9 U	3.9 U	3.8 U	14	4.1 U	1.8 J
Aldrin	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.0 U
Alpha Chlordane	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	5.8	1.2 J
Dieldrin	3.8 U	1.5 J	1.3 J	3.8 U	4.3 U	0.67 J	0.99 J
Endosulfan I	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.0 U
Endosulfan II	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Endosulfan sulfate	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Endrin	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Endrin aldehyde	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Endrin ketone	3.8 U	3.9 U	3.9 U	3.8 U	4.3 U	4.1 U	3.9 U
Gamma Chlordane	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	5.1 J	2.0 U
Heptachlor	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.0 U
Heptachlor epoxide	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.0 U
Methoxychlor	19 U	20 U	20 U	20 U	22 U	21 U	20 U
Toxaphene	190 U	200 U	200 U	200 U	220 U	210 U	200 U
alpha-BHC	0.57 U	0.60 U	0.60 U	0.57 U	0.66 U	0.62 U	0.60 U
beta-BHC	0.57 U	0.60 U	0.60 U	0.57 U	0.66 U	0.62 U	0.60 U
delta-BHC	0.57 U	0.60 U	0.60 U	0.57 U	0.66 U	0.62 U	0.60 U
gamma-BHC (Lindane)	1.9 U	2.0 U	2.0 U	2.0 U	2.2 U	2.1 U	2.0 U
Total Pesticides	0.4	1.5	1.3	ND	14.56	11.57	5.69

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Compound	Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
	Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
	Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
4,4'-DDD		3.8 U	0.10 U	4.0 U	4.0 UJ	4.0 U	4.0 U	7.8 U
4,4'-DDE		0.92 J	0.10 U	4.0 U	4.0 UJ	4.0 U	0.73 J	4.2 J
4,4'-DDT		1.3 J	0.10 U	1.3 J	0.65 J	4 U	4 U	24
Aldrin		2.0 U	0.015 J	2.1 U	2.0 UJ	2.1 U	2.1 U	4.0 U
Alpha Chlordane		2.0 U	0.050 U	2.1 U	2.0 UJ	2.1 U	2.1 U	54 D
Dieldrin		0.97 J	0.10 U	1.3 J	1.0 J	4.0 U	4 U	1.4 J
Endosulfan I		2.0 U	0.050 U	2.1 U	2.0 UJ	2.1 U	2.1 U	4.0 U
Endosulfan II		3.8 U	0.10 U	4.0 U	4.0 UJ	4.0 U	4.0 U	7.8 U
Endosulfan sulfate		3.8 U	0.10 U	4.0 U	4.0 UJ	0.14 J	0.10 J	7.8 U
Endrin		3.8 U	0.10 U	4.0 U	4.0 UJ	4.0 U	4.0 U	7.8 U
Endrin aldehyde		3.8 U	0.10 U	4.0 U	4.0 UJ	4.0 U	4.0 U	7.8 U
Endrin ketone		3.8 U	0.10 U	4.0 U	4.0 UJ	0.17 J	4.0 U	7.8 U
Gamma Chlordane		1.5 J	0.050 U	2.1 U	2.0 UJ	2.1 U	2.1 U	71 JD
Heptachlor		2.0 U	0.050 U	2.1 U	2.0 UJ	2.1 U	2.1 U	4.0 U
Heptachlor epoxide		2.0 U	0.050 U	2.1 U	2.0 UJ	2.1 U	2.1 U	30 J
Methoxychlor		20 U	0.50 U	21 U	20 UJ	1.5 J	21 U	40 U
Toxaphene		200 U	5.0 U	210 U	200 UJ	210 U	210 U	400 U
alpha-BHC		0.57 U	0.039 U	0.61 U	0.60 UJ	0.61 U	0.61 U	1.2 U
beta-BHC		0.57 U	0.014 U	0.61 U	0.60 UJ	0.61 U	0.61 U	1.2 U
delta-BHC		0.57 U	0.017	0.61 U	0.60 UJ	0.082 J	0.17 J	1.2 U
gamma-BHC (Lindane)		2.0 U	0.019 U	2.1 U	2.0 UJ	2.1 U	2.1 U	4.0 U
Total Pesticides		4.69	0.032	2.6	1.65	1.892	1	184.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	0.10 U	3.9 U	36 J	3.9 U	3.7 U	1.8 J	3.8 U
4,4'-DDE	0.10 U	3.9 U	8.3 J	0.66 J	2.0 J	0.80 J	3.8 U
4,4'-DDT	0.10 U	3.9 U	110	3.8 U	3.7 U	7.4 U	3.8 U
Aldrin	0.010 J	2.0 U	23	2.0 U	1.9 U	3.7 U	2.0 U
Alpha Chlordane	0.050 U	2.0 U	9.2 J	2.0 U	1.9 U	17	0.30 J
Dieldrin	0.10 U	3.9 U	120	3.9 U	3.7 U	7.4 U	3.8 U
Endosulfan I	0.050 U	2.0 U	9.3 U	2.0 U	1.9 U	3.7 U	2.0 U
Endosulfan II	0.10 U	3.9 U	18 U	3.9 U	3.7 U	7.4 U	3.8 U
Endosulfan sulfate	0.10 U	3.9 U	18 U	0.96 J	0.57 J	1.9 J	3.8 U
Endrin	0.10 U	3.9 U	6.1 J	3.9 U	3.7 U	2.2 J	0.40 J
Endrin aldehyde	0.10 U	3.9 U	18 U	3.9 U	3.7 U	0.75 J	3.8 U
Endrin ketone	0.10 U	3.9 U	18 U	0.67 J	0.23 J	7.4 U	3.8 U
Gamma Chlordane	0.050 U	2.0 U	78 D	2.0 U	1.9 U	18 J	2.0 U
Heptachlor	0.050 U	2.0 U	91 D	2.0 U	1.9 U	4.1	2.0 U
Heptachlor epoxide	0.050 U	2.0 U	9.3 U	0.18 J	1.9 U	3.7 U	2.0 U
Methoxychlor	0.50 U	20 U	38 J	3.8 J	1.5 J	5.5 J	20 U
Toxaphene	5.0 U	200 U	930 U	200 U	190 U	370 U	200 U
alpha-BHC	0.039 U	0.59 U	2.7 U	0.59 U	0.56 U	0.22 J	0.58 U
beta-BHC	0.014 U	0.59 U	2.7 U	0.59 U	0.56 U	3.8	0.58 U
delta-BHC	0.015	0.59 U	2.7 U	2.0 U	1.9 U	0.12 J	2.0 U
gamma-BHC (Lindane)	0.019 U	2.0 U	9.3 U	2.0 U	1.9 U	0.13 J	2.0 U
Total Pesticides	0.025	ND	519.6	6.27	4.3	56.32	0.7

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Compound	Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
	Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
4,4'-DDD		1.3 J	4.1 U	4.1 U	4.2 U	3.9 U	3.8 U	3.6 U
4,4'-DDE		1.6 J	0.40 J	0.13 J	0.28 J	3.9 U	0.27 J	0.086 J
4,4'-DDT		15	0.51 J	0.12 J	0.14 J	3.9 U	0.70 J	3.6 U
Aldrin		2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Alpha Chlordane		11	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Dieldrin		3.9 U	4.1 U	4.1 U	4.2 U	3.9 U	0.14 J	0.089 J
Endosulfan I		2.0 U	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Endosulfan II		3.9 U	4.1 U	4.1 U	4.2 U	3.9 U	3.8 U	3.6 U
Endosulfan sulfate		3.9 U	0.39 J	0.093 J	0.11 J	3.9 U	0.45 J	3.6 U
Endrin		0.10 J	4.1 U	4.1 U	4.2 U	3.9 U	3.8 U	3.6 U
Endrin aldehyde		3.9 U	4.1 U	4.1 U	4.2 U	3.9 U	3.8 U	3.6 U
Endrin ketone		3.9 U	0.49 J	0.18 J	0.30 J	0.12 J	0.30 J	0.24 J
Gamma Chlordane		10 J	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Heptachlor		2 U	2.1 UJ	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Heptachlor epoxide		0.62 J	0.14 J	2.1 U	0.34 J	0.35 J	0.13 J	0.090 J
Methoxychlor		10 J	2.9 J	1.7 J	2.6 J	1.2 J	20 U	18 U
Toxaphene		200 U	210 U	210 U	220 U	200 U	200 U	180 U
alpha-BHC		0.59 U	0.62 U	0.62 U	0.64 U	0.59 U	0.58 U	0.54 U
beta-BHC		0.59 U	0.62 U	0.62 U	0.64 U	0.59 U	0.58 U	0.54 U
delta-BHC		0.18 J	0.62 U	0.62 U	0.64 U	0.59 U	0.58 U	0.54 U
gamma-BHC (Lindane)		0.087 J	2.1 U	2.1 U	2.2 U	2.0 U	2.0 U	1.8 U
Total Pesticides		49.887	4.83	2.223	3.77	1.67	1.99	0.505

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.0 U	3.9 U
4,4'-DDE	3.6 U	0.10 U	3.6 U	0.48 J	4.0 U	4.0 U	0.24 J
4,4'-DDT	3.6 U	0.10 U	0.065 J	0.54 J	0.14 J	0.52 J	0.61 J
Aldrin	1.9 U	0.050 U	1.9 U	1.9 U	2.0 U	2.1 U	2.0 U
Alpha Chlordane	1.9 U	0.050 U	1.9 U	1.9 U	2.0 U	2.1 U	2.0 U
Dieldrin	3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.0 U	3.9 U
Endosulfan I	1.9 U	0.050 U	1.9 U	1.9 U	2.0 U	2.1 U	2.0 U
Endosulfan II	3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.0 U	3.9 U
Endosulfan sulfate	3.6 U	0.10 U	3.6 U	0.41 J	0.11 J	4.0 U	0.47 J
Endrin	3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.0 U	3.9 U
Endrin aldehyde	3.6 U	0.10 U	3.6 U	3.6 U	4.0 U	4.0 U	3.9 U
Endrin ketone	0.20 J	0.10 U	0.26 J	0.81 J	0.14 J	4.0 U	0.13 J
Gamma Chlordane	1.9 U	0.050 U	1.9 U	0.20 J	2.0 U	2.1 U	2.0 U
Heptachlor	1.9 U	0.050 U	1.9 U	1.9 U	2.0 U	2.1 U	2.0 U
Heptachlor epoxide	1.9 U	0.050 U	0.064 J	0.19 J	2.0 U	2.1 U	0.15 J
Methoxychlor	1.6 J	0.50 U	2.2 J	7.3 J	1.3 J	21 U	20 U
Toxaphene	190 U	5.0 U	190 U	190 U	200 U	210 U	200 U
alpha-BHC	0.55 U	0.039 U	0.55 U	0.55 U	0.60 U	0.61 UJ	0.60 U
beta-BHC	0.55 U	0.014 U	0.55 U	0.55 U	0.60 U	0.61 U	0.60 U
delta-BHC	0.55 U	0.0053 J	0.55 U	0.55 U	0.60 U	0.61 U	0.60 U
gamma-BHC (Lindane)	1.9 U	0.019 U	1.9 U	1.9 U	2.0 U	2.1 U	2.0 U
Total Pesticides	1.8	0.0053	2.589	9.93	1.69	0.52	1.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.9 U	3.9 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
4,4'-DDE	3.9 U	0.42 J	0.11 J	3.9 U	0.31 J	0.17 J	3.8 U
4,4'-DDT	3.9 U	3.9 U	4.0 U	3.9 U	1.1 J	0.39 J	3.8 U
Aldrin	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Alpha Chlordane	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Dieldrin	3.9 U	3.9 U	4.0 U	3.9 U	0.26 J	3.8 U	3.8 U
Endosulfan I	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Endosulfan II	3.9 U	3.9 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Endosulfan sulfate	3.9 U	3.9 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Endrin	3.9 U	3.9 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Endrin aldehyde	3.9 U	3.9 U	4.0 U	3.9 U	3.8 U	3.8 U	3.8 U
Endrin ketone	3.9 U	1.3 J	0.17 J	3.9 U	3.8 U	3.8 U	3.8 U
Gamma Chlordane	2.0 U	2.0 U	2.1 U	2.0 U	0.18 J	2.0 U	1.9 U
Heptachlor	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Heptachlor epoxide	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Methoxychlor	20 U	20 U	21 U	20 U	20 U	20 U	19 U
Toxaphene	200 U	200 U	210 U	200 U	200 U	200 U	190 U
alpha-BHC	0.58 UJ	0.60 UJ	0.61 U	0.59 UJ	0.58 UJ	0.58 U	0.57 UJ
beta-BHC	0.58 U	0.60 U	0.61 U	0.59 U	0.58 U	0.58 U	0.57 U
delta-BHC	0.58 U	0.60 U	0.61 U	0.59 U	0.58 U	0.58 U	0.57 U
gamma-BHC (Lindane)	2.0 U	2.0 U	2.1 U	2.0 U	2.0 U	2.0 U	1.9 U
Total Pesticides	ND	1.72	0.28	ND	1.85	0.56	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Compound	Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
	Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
	Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
4,4'-DDD		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	3.5 U	3.5 U
4,4'-DDE		3.6 U	0.10 U	3.8 UJ	0.14 J	3.7 U	1.5 J	3.5 U
4,4'-DDT		3.6 U	0.10 U	3.8 UJ	0.40 J	3.7 U	3.0 J	3.5 U
Aldrin		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	1.8 U	1.8 U
Alpha Chlordane		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	3.1	1.8 U
Dieldrin		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	10	3.5 U
Endosulfan I		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	1.8 U	1.8 U
Endosulfan II		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	3.5 U	3.5 U
Endosulfan sulfate		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	3.5 U	3.5 U
Endrin		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	3.5 U	3.5 U
Endrin aldehyde		3.6 U	0.10 U	3.8 UJ	3.4 U	3.7 U	3.5 U	3.5 U
Endrin ketone		3.6 U	0.10 U	3.8 UJ	0.75 J	3.7 U	4.0 J	3.5 U
Gamma Chlordane		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	6.6	1.8 U
Heptachlor		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	0.34 J	1.8 U
Heptachlor epoxide		1.9 U	0.050 U	1.9 UJ	1.8 U	1.9 U	2.3 J	1.8 U
Methoxychlor		19 U	0.50 U	19 UJ	2.6 J	19 U	6.9 J	7.4 J
Toxaphene		190 U	5.0 U	190 UJ	180 U	190 U	180 U	180 U
alpha-BHC		0.55 UJ	0.039 U	0.57 UJ	0.52 U	0.56 U	0.52 U	0.53 U
beta-BHC		0.55 U	0.014 U	0.57 UJ	0.75 J	0.56 U	1.3 J	0.30 J
delta-BHC		0.55 U	0.0091 J	0.57 UJ	0.52 U	0.56 U	0.52 U	0.53 U
gamma-BHC (Lindane)		1.9 U	0.019 U	1.9 UJ	1.8 U	1.9 U	1.8 U	1.8 U
Total Pesticides		ND	0.0091	ND	4.64	ND	39.04	7.7

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.5 U	3.4 U	3.6 U	3.9 U	3.7 U	3.7 U	3.6 U
4,4'-DDE	3.5 U	3.4 U	3.6 U	1.2 J	0.90 J	3.7 U	3.6 U
4,4'-DDT	3.5 U	3.4 U	0.92 J	1.4 J	1.8 J	3.7 U	3.6 U
Aldrin	1.8 U	1.8 U	1.8 U	2.0 U	1.9 U	1.9 U	1.9 U
Alpha Chlordane	1.8 U	1.0 J	2.0	1.2 J	1.9 U	0.16 J	1.9 U
Dieldrin	3.5 U	1.6 J	3.6 J	2.1 J	2.3 J	3.7 U	3.6 U
Endosulfan I	1.8 U	1.8 U	1.8 U	2.0 U	1.9 U	1.9 U	1.9 U
Endosulfan II	3.5 U	3.4 U	3.6 U	3.9 U	3.7 U	3.7 U	3.6 U
Endosulfan sulfate	3.5 U	3.4 U	3.6 U	3.9 U	3.7 U	3.7 U	3.6 U
Endrin	3.5 U	3.4 U	3.6 U	3.9 U	3.7 U	3.7 U	3.6 U
Endrin aldehyde	3.5 U	3.4 U	3.6 U	3.9 U	3.7 U	0.24 J	3.6 U
Endrin ketone	3.5 U	3.4 U	2.3 J	3.9 U	1.3 J	3.7 U	3.6 U
Gamma Chlordane	1.8 U	0.96 J	3.6 J	1.2 J	1.9 U	1.9 U	1.9 U
Heptachlor	1.8 U	1.8 U	0.64 J	2.0 U	1.9 U	1.9 U	1.9 U
Heptachlor epoxide	1.8 U	1.8 U	0.74 J	0.19 J	1.9 U	1.9 U	1.9 U
Methoxychlor	12 J	0.93 J	5.4 J	20 U	19 U	19 U	19 U
Toxaphene	180 U	180 U	180 U	200 U	190 U	190 U	190 U
alpha-BHC	0.53 U	0.52 U	0.54 U	0.60 U	0.56 U	0.56 U	0.55 U
beta-BHC	0.53 U	0.10 J	0.95 J	0.60 U	0.56 U	0.56 U	0.55 U
delta-BHC	0.53 U	0.52 U	0.24 J	0.60 U	0.56 U	0.56 U	0.55 U
gamma-BHC (Lindane)	1.8 U	1.8 U	1.8 U	2.0 U	1.9 U	1.9 U	1.9 U
Total Pesticides	12	4.59	20.39	7.29	6.3	0.4	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.6 U	3.7 U	3.4 U	0.10 U	19 U	20 U	3.9 U
4,4'-DDE	3.6 U	3.7 UJ	3.4 U	0.10 U	19 U	0.36 J	3.9 U
4,4'-DDT	3.6 U	3.7 U	3.4 U	0.10 U	19 U	0.35 J	3.9 U
Aldrin	1.8 U	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Alpha Chlordane	1.8 U	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Dieldrin	3.6 U	3.7 U	3.4 U	0.10 U	19 U	20 U	3.9 U
Endosulfan I	1.8 U	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Endosulfan II	3.6 U	3.7 U	3.4 U	0.10 U	19 U	20 U	3.9 U
Endosulfan sulfate	3.6 U	3.7 U	3.4 U	0.10 U	19 U	20 U	3.9 U
Endrin	3.6 U	3.7 U	3.4 U	0.10 U	19 U	20 U	3.9 U
Endrin aldehyde	3.6 U	3.7 U	3.4 U	0.10 U	19 U	0.61 J	3.9 U
Endrin ketone	3.6 U	3.7 U	3.4 U	0.10 U	19 U	0.39 J	3.9 U
Gamma Chlordane	1.8 U	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Heptachlor	1.8 U	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Heptachlor epoxide	0.091 J	1.9 U	1.8 U	0.050 U	9.9 U	10 U	2.0 U
Methoxychlor	18 U	1.3 J	18 U	0.50 U	99 U	2.0 J	20 U
Toxaphene	180 U	190 U	180 U	5.0 U	990 U	1000 U	200 U
alpha-BHC	0.54 U	0.56 U	0.52 U	0.039 U	2.9 U	3.0 U	0.59 U
beta-BHC	0.10 J	0.56 U	0.52 U	0.014 U	2.9 U	3.0 U	0.59 U
delta-BHC	0.54 U	0.56 U	0.52 U	0.012 U	2.9 U	3.0 U	0.59 U
gamma-BHC (Lindane)	1.8 U	1.9 U	1.8 U	0.019 U	9.9 U	10 U	2.0 U
Total Pesticides	0.191	1.3	ND	ND	ND	3.71	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	19 U	7.2 U	0.10 U	6.4 J	19 U	4.1 U	3.6 U
4,4'-DDE	15 J	7.2 U	0.10 U	18 J	0.78 J	1.2 J	1.8 J
4,4'-DDT	130 J	7.2 U	0.10 U	140	1.6 J	1.7 J	1.2 J
Aldrin	9.7 U	3.7 U	0.050 U	18 U	9.6 U	2.1 U	1.8 U
Alpha Chlordane	9.7 U	3.7 U	0.050 U	18 U	0.50 J	2.1 U	1.8 U
Dieldrin	19 U	7.2 U	0.10 U	36 U	1.8 J	4.1 U	0.27 J
Endosulfan I	9.7 U	3.7 U	0.050 U	18 U	9.6 U	2.1 U	1.8 U
Endosulfan II	19 U	7.2 U	0.10 U	36 U	19 U	1.0 J	3.6 U
Endosulfan sulfate	19 U	7.2 U	0.10 U	36 U	19 U	4.1 U	3.6 U
Endrin	19 U	7.2 U	0.10 U	36 U	19 U	4.1 U	3.6 U
Endrin aldehyde	19 U	7.2 U	0.10 U	36 U	19 U	4.1 U	3.6 U
Endrin ketone	19 U	7.2 U	0.10 U	36 U	19 U	1.9 J	0.25 J
Gamma Chlordane	9.7 U	3.7 U	0.050 U	18 U	0.94 J	0.80 J	1.8 U
Heptachlor	9.7 U	3.7 U	0.050 U	18 U	9.6 U	2.1 U	1.8 U
Heptachlor epoxide	9.7 U	3.7 U	0.050 U	18 U	9.6 U	0.26 J	1.8 U
Methoxychlor	97 U	37 U	0.50 U	180 U	96 U	4.2 J	0.99 J
Toxaphene	970 U	370 U	5.0 U	1800 U	960 U	210 U	180 U
alpha-BHC	2.8 U	1.1 U	0.039 U	5.4 U	2.8 U	0.62 U	0.54 U
beta-BHC	2.8 U	1.1 U	0.014 U	5.4 U	2.8 U	0.62 U	0.54 U
delta-BHC	2.8 U	1.1 U	0.0051 J	5.4 U	2.8 U	0.62 U	0.54 U
gamma-BHC (Lindane)	9.7 U	3.7 U	0.019 U	18 U	9.6 U	2.1 U	1.8 U
Total Pesticides	145	ND	0.0051	164.4	5.62	11.06	4.51

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8081A Pesticide Data

Compound	Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
	Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
4,4'-DDD		3.7 U	3.8 U	3.5 U	3.5 U	3.5 U	0.10 U	18 U
4,4'-DDE		1.4 J	1.9 J	0.30 J	3.5 U	24	0.10 U	54
4,4'-DDT		1.0 J	1.2 J	3.5 U	3.5 U	16	0.10 U	29
Aldrin		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.050 U	9.4 U
Alpha Chlordane		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.050 U	9.4 U
Dieldrin		3.7 U	3.8 U	3.5 U	3.5 U	3.5 U	0.10 U	3.0 J
Endosulfan I		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.050 U	9.4 U
Endosulfan II		3.7 U	3.8 U	3.5 U	3.5 U	3.5 U	0.10 U	18 U
Endosulfan sulfate		3.7 U	3.8 U	3.5 U	3.5 U	3.5 U	0.10 U	18 U
Endrin		3.7 U	3.8 U	3.5 U	3.5 UJ	3.5 U	0.10 U	18 U
Endrin aldehyde		3.7 U	3.8 U	3.5 U	3.5 U	3.5 U	0.10 U	18 U
Endrin ketone		0.14 J	0.20 J	3.5 U	3.5 U	3.5 U	0.10 U	1.7 J
Gamma Chlordane		1.9 U	1.9 U	0.10 J	1.8 U	1.8 U	0.050 U	2.2 J
Heptachlor		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.050 U	9.4 U
Heptachlor epoxide		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.050 U	9.4 U
Methoxychlor		2.1 J	19 U	18 U	18 U	18 U	0.50 U	3.4 J
Toxaphene		190 U	190 U	180 U	180 U	180 U	5.0 U	940 U
alpha-BHC		0.57 U	0.57 U	0.53 U	0.54 U	0.53 U	0.039 U	2.8 U
beta-BHC		0.57 U	0.57 U	0.53 U	0.54 U	0.53 U	0.014 U	2.8 U
delta-BHC		0.57 U	0.57 U	0.53 U	0.54 U	0.53 U	0.012 U	2.8 U
gamma-BHC (Lindane)		1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	0.0029 J	9.4 U
Total Pesticides		4.64	3.3	0.4	ND	40	0.0029	93.3

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	11 U	11 U	10 U	9.9 U	0.50 U	9.4 U	9.4 U
2,4,5-TP (Silvex)	11 U	13 J	11 J	5.8 J	0.50 U	9.4 U	9.4 U
2,4-D	11 U	11 U	10 U	9.9 U	0.50 U	4.1 J	3.1 J
2,4-DB	11 U	11 U	10 U	9.9 U	0.50 U	9.4 U	9.4 U
Dalapon	86 U	86 U	81 U	77 U	120 U	74 U	74 U
Dicamba	26 U	26 U	25 U	24 U	1.2 U	23 U	1.2 J
Dichloroprop	130 U	130 U	120 U	120 U	6.0 U	110 U	110 U
Dinoseb	130 U	130 U	120 U	120 U	6.0 U	110 U	110 U
MCPA	3100 J	5800	13000 J	4300	120 U	2300 U	2300 U
MCPP	5600	7500	5900	2500 J	120 U	2300 U	2300 U
Pentachlorophenol	18 J	24 J	45 J	20 U	1.0 U	3.8 J	3.1 J
Total Herbicides	8718	13337	18956	6805.8	ND	7.9	7.4

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Compound	Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
	Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
2,4,5-T		9.4 U	9.8 U	9.8 U	9.4 U	11 U	10 U	9.8 U
2,4,5-TP (Silvex)		9.4 U	9.8 U	9.8 U	9.4 U	11 U	10 U	9.8 U
2,4-D		9.4 U	9.8 U	9.8 U	9.4 U	11 U	10 U	9.8 U
2,4-DB		9.4 U	9.8 U	9.8 U	9.4 U	11 U	10 U	9.8 U
Dalapon		73 U	77 U	77 U	74 U	85 U	81 U	78 U
Dicamba		22 U	1.7 J	24 U	1.3 J	26 U	1.6 J	24 U
Dichloroprop		110 U	120 U	120 U	110 U	130 U	120 U	120 U
Dinoseb		110 U	120 U	120 U	110 U	130 U	120 UJ	120 UJ
MCPA		2200 U	2400 U	2400 U	2300 U	2000 J	2400 U	2400 U
MCPP		2200 U	2400 U	2400 U	2300 U	2600 U	2400 U	2400 U
Pentachlorophenol		2.1 J	20 U	1.4 J	2.6 J	22 U	1.5 J	20 U
Total Herbicides		2.1	1.7	1.4	3.9	2000	3.1	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.5 U	0.50 U	10 U	10 U	10 UJ	10 UJ	9.8 U
2,4,5-TP (Silvex)	9.5 U	0.50 U	10 U	10 U	10 UJ	10 UJ	9.8 U
2,4-D	9.5 U	0.50 U	10 U	10 U	10 UJ	10 UJ	9.8 U
2,4-DB	9.5 U	0.50 U	65 J	10 U	10 UJ	10 UJ	23 J
Dalapon	2300 U	120 U	80 U	79 U	81 UJ	80 UJ	78 U
Dicamba	1.8 J	1.2 U	1.9 J	1.6 J	1.5 J	25 UJ	24 U
Dichloroprop	115 U	6.0 U	120 U	120 U	120 UJ	120 UJ	120 U
Dinoseb	115 UJ	6.0 U	120 UJ	120 UJ	120 UJ	120 UJ	120 UJ
MCPA	2300 U	120 U	2100 J	2200 J	2200 J	3700 J	2400 U
MCPP	2300 U	120 U	2400 U	2400 U	2500 UJ	2500 UJ	2400 U
Pentachlorophenol	19 U	1.0 U	20 U	2.2 J	2.0 J	2.5 J	20 U
Total Herbicides	1.8	ND	2166.9	2203.8	2203.5	3702.5	23

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
Units	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	0.50 U	9.7 U	9.1 U	9.8 UJ	9.4 UJ	9.0 UJ	9.6 UJ
2,4,5-TP (Silvex)	0.50 U	9.7 U	9.1 U	9.8 UJ	9.4 UJ	9.0 UJ	9.6 UJ
2,4-D	0.50 U	9.7 U	9.1 U	9.8 UJ	9.4 UJ	9.0 UJ	9.6 UJ
2,4-DB	0.50 U	9.7 U	18 J	9.8 UJ	9.4 UJ	9.0 UJ	9.6 UJ
Dalapon	120 U	77 U	72 U	76 UJ	74 UJ	71 UJ	75 UJ
Dicamba	1.2 U	23 U	1.3 J	3.0 J	1.7 J	22 UJ	23 UJ
Dichloroprop	6.0 U	120 U	110 U	120 UJ	110 UJ	110 UJ	120 UJ
Dinoseb	6.0 U	120 UJ	110 UJ	120 UJ	110 UJ	110 UJ	120 UJ
MCPA	120 U	2300 U	2200 U	2400 UJ	2300 UJ	2200 UJ	2300 UJ
MCPP	120 U	2300 U	2200 U	2400 UJ	2300 UJ	2200 UJ	2300 UJ
Pentachlorophenol	1.0 U	20 U	4.3 J	2.0 J	1.6 J	18 UJ	20 UJ
Total Herbicides	ND	ND	23.6	5	3.3	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	10 UJ	10 U	10 U	10 U	20 U	9.5 U	9.0 U
2,4,5-TP (Silvex)	10 UJ	10 U	10 U	10 U	20 U	9.5 U	9.0 U
2,4-D	10 UJ	10 U	10 U	10 U	20 U	9.5 U	9.0 U
2,4-DB	10 UJ	10 U	10 U	10 U	20 U	9.5 U	9.0 U
Dalapon	78 UJ	81 U	81 U	83 U	150 U	74 U	70 U
Dicamba	24 UJ	25 U	1.8 J	25 U	47 U	2.4 J	22 U
Dichloroprop	120 UJ	120 U	120 U	130 U	230 U	110 U	110 U
Dinoseb	120 UJ	120 UJ	120 UJ	130 UJ	230 UJ	110 UJ	110 UJ
MCPA	2400 UJ	2500 U	2700	3300	6800	7400 J	2200 U
MCPP	2400 UJ	2500 U	2500 U	2500 U	4700 U	2300 U	2200 U
Pentachlorophenol	2.5 J	2.3 J	1.9 J	3.9 J	6.6 J	4.1 J	2.9 J
Total Herbicides	2.5	2.3	2703.7	3303.9	6806.6	7406.5	2.9

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.2 U	0.50 U	9.2 U	9.1 U	9.9 U	10 U	10 U
2,4,5-TP (Silvex)	9.2 U	0.50 U	9.2 U	9.1 U	9.9 U	10 U	10 U
2,4-D	9.2 U	0.50 U	9.2 U	9.1 U	9.9 U	10 U	10 U
2,4-DB	9.2 U	0.50 U	9.2 U	9.1 U	9.9 U	10 U	10 UJ
Dalapon	72 U	120 U	72 U	72 U	77 U	80 U	78 UJ
Dicamba	22 U	1.2 U	22 U	22 U	24 U	25 U	3.1 J
Dichloroprop	110 U	6.0 U	110 U	110 U	120 U	120 U	120 U
Dinoseb	110 UJ	6.0 U	110 UJ	110 UJ	120 UJ	120 UJ	120 UJ
MCPA	2200 U	120 U	2200 U	2200 U	2400 U	5500 J	2400 U
MCPP	2200 U	120 U	2200 U	2200 U	2400 U	7600	2400 U
Pentachlorophenol	1.2 J	1.0 U	1.4 J	1.6 J	20 U	20 UJ	1.4 J
Total Herbicides	1.2	ND	1.4	1.6	ND	13100	4.5

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T2-S5-0-0.5FT	UAS-T2-S6-0-0.5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0.5FT
Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.8 U	9.9 U	10 U	9.9 U	R	9.6 UJ	9.5 U
2,4,5-TP (Silvex)	9.8 U	9.9 U	10 U	9.9 U	R	9.6 UJ	9.5 U
2,4-D	9.8 U	9.9 U	10 U	9.9 U	R	9.6 UJ	9.5 U
2,4-DB	9.8 U	9.9 U	10 U	9.9 U	R	9.6 UJ	41 J
Dalapon	77 U	78 U	78 U	77 U	R	75 UJ	74 U
Dicamba	24 U	24 U	24 U	24 U	R	23 UJ	23 U
Dichloroprop	120 U	120 U	120 U	120 U	R	120 UJ	110 U
Dinoseb	120 UJ	120 UJ	120 UJ	120 UJ	R	120 UJ	110 UJ
MCPA	2400 U	2400 U	1800 J	2400 U	R	2300 UJ	4000 J
MCPP	2400 U	2400 U	2400 U	7700 JD	R	2300 UJ	4400
Pentachlorophenol	20 UJ	20 UJ	20 U	20 UJ	R	20 UJ	19 UJ
Total Herbicides	ND	ND	1800	7700	---	ND	8441

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
Units	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.2 U	0.50 U	9.5 U	8.7 U	9.4 U	8.8 U	8.8 U
2,4,5-TP (Silvex)	9.2 U	0.50 U	9.5 U	8.7 U	9.4 U	8.8 U	8.8 U
2,4-D	9.2 U	0.50 U	9.5 U	8.7 U	9.4 U	8.8 U	8.8 U
2,4-DB	9.2 U	0.50 U	9.5 U	8.7 U	9.4 U	8.8 U	8.8 U
Dalapon	72 U	120 U	75 U	68 U	74 U	69 U	69 U
Dicamba	22 U	1.2 U	23 U	21 U	23 U	21 U	21 U
Dichloroprop	110 U	6.0 U	110 U	100 U	110 U	100 U	110 U
Dinoseb	110 UJ	6.0 U	110 UJ	100 UJ	110 U	100 U	110 U
MCPA	2200 U	120 U	2300 U	2100 U	2300 U	2100 U	2100 U
MCPP	2200 U	120 U	2300 U	2100 U	2300 U	2100 U	2100 U
Pentachlorophenol	19 UJ	1.0 U	20 UJ	1.3 J	2.8 J	40	1.4 J
Total Herbicides	ND	ND	ND	1.3	2.8	40	1.4

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T4-S3-0-0 5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0 5FT	UAS-T5-S1-0-0 5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	8.9 U	8.5 U	8.9 U	9.8 U	9.3 U	9.4 U	9.2 U
2,4,5-TP (Silvex)	8.9 U	8.5 U	8.9 U	9.8 U	9.3 U	9.4 U	9.2 U
2,4-D	8.9 U	8.5 U	8.9 U	9.8 U	9.3 U	9.4 U	9.2 U
2,4-DB	8.9 U	8.5 U	8.9 U	9.8 U	9.3 U	9.4 U	9.2 U
Dalapon	69 U	66 U	69 U	77 U	73 U	74 U	72 U
Dicamba	21 U	20 U	21 U	24 U	22 U	23 U	22 U
Dichloroprop	110 U	100 U	110 U	120 U	110 U	110 U	110 U
Dinoseb	110 U	100 U	110 U	120 U	110 U	110 U	110 U
MCPA	2100 U	2000 U	2100 U	2400 U	2200 U	2300 U	2200 U
MCPP	2100 U	2000 U	2100 U	2400 U	2200 U	4100	2500
Pentachlorophenol	2.7 J	2.2 J	6.8 J	6.7 J	3.5 J	2.4 J	1.6 J
Total Herbicides	2.7	2.2	6.8	6.7	3.5	4102.4	2501.6

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	8.9 U	9.2 U	8.6 U	0.50 U	9.7 U	9.8 U	9.8 U
2,4,5-TP (Silvex)	8.9 U	9.2 U	8.6 U	0.50 U	9.7 U	9.8 U	9.8 U
2,4-D	8.9 U	9.2 U	8.6 U	0.50 U	9.7 U	9.8 U	9.8 U
2,4-DB	8.9 U	9.2 UJ	8.6 U	0.50 U	9.7 U	9.8 U	9.8 U
Dalapon	70 U	72 UJ	67 U	120 U	76 U	77 U	76 U
Dicamba	2.9 J	22 U	21 U	1.2 U	23 U	24 U	24 U
Dichloroprop	110 U	110 U	100 U	6.0 U	120 U	120 U	120 U
Dinoseb	110 U	110 UJ	100 UJ	6.0 U	120 UJ	120 UJ	120 UJ
MCPA	2100 U	4400 J	2100 U	120 U	2300 U	2900	2400 U
MCPP	2200	6800 J	5100	120 U	2300 U	3600	4500 J
Pentachlorophenol	18 U	19 U	18 U	1.0 U	20 U	20 U	20 U
Total Herbicides	2202.9	11200	5100	ND	ND	6500	4500

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Sample ID	UAS-T6-S2-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T6-S4-0-0.5FT	UAS-T6-S5-0-0.5FT	UAS-T7-S1-0-0.5FT	UAS-T7-S2-0-0.5FT
Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.4 U	9.1 U	0.50 U	8.9 U	9.4 U	10 U	9.0 U
2,4,5-TP (Silvex)	9.4 U	9.1 U	0.50 U	8.9 U	9.4 U	10 U	9.0 U
2,4-D	9.4 U	9.1 U	0.50 U	8.9 U	9.4 U	10 U	9.0 U
2,4-DB	9.4 U	9.1 U	0.50 U	8.9 U	9.4 U	10 U	9.0 U
Dalapon	73 U	71 U	120 U	70 U	74 U	80 U	70 U
Dicamba	23 U	22 U	1.2 U	21 U	23 U	24 U	22 U
Dichloroprop	110 U	110 U	6.0 U	110 U	110 U	120 U	110 U
Dinoseb	110 UJ	110 UJ	6.0 U	110 UJ	110 UJ	120 UJ	110 UJ
MCPA	2300 U	2200 U	120 U	2100 U	2300 U	2400 U	2200 U
MCPP	2300 U	2200 U	120 U	2100 U	2300 U	2400 U	2200 U
Pentachlorophenol	9.9 J	4.6 J	1.0 U	2.9 J	19 U	2.8 J	2.0 J
Total Herbicides	9.9	4.6	ND	2.9	ND	2.8	2

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8151A Herbicide Data

Compound	Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
	Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
2,4,5-T		9.4 U	9.5 U	8.8 U	8.9 U	8.8 UJ	0.50 U	9.2 U
2,4,5-TP (Silvex)		9.4 U	9.5 U	8.8 U	8.9 U	8.8 UJ	0.50 U	9.2 U
2,4-D		9.4 U	9.5 U	8.8 U	8.9 U	8.8 UJ	0.50 U	9.2 U
2,4-DB		9.4 U	9.5 U	8.8 U	8.9 U	8.8 UJ	0.50 U	9.2 U
Dalapon		74 U	74 U	69 U	2200 U	69 UJ	120 U	72 U
Dicamba		3.2 J	2.1 J	21 U	22 U	21 UJ	1.2 U	22 U
Dichloroprop		110 U	110 U	110 U	110 U	110 UJ	6.0 U	110 U
Dinoseb		110 UJ	110 UJ	110 UJ	110 UJ	110 UJ	6.0 U	110 U
MCPA		2300 U	2300 U	2100 U	2200 U	2100 UJ	120 U	2200 U
MCPP		2300 U	2300 U	2100 U	2200 U	2100 UJ	120 U	2200 U
Pentachlorophenol		19 U	19 U	18 U	18 U	18 UJ	0.13 J	19 U
Total Herbicides		3.2	2.1	ND	ND	ND	0.13	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l	mg/kg dw	mg/kg dw
Compound							
Aluminum	19000	19000	11000	8100	0.20 U	5800	5800
Antimony	1.9 J	R	R	R	0.020 U	R	2.3 UJ
Arsenic	8.8	9.4	13	6.6	0.010 U	7.6	8.0
Barium	210 J	260 J	200 J	110 J	0.010 U	160	160
Beryllium	1.1	1.1	0.71	0.45 J	0.0040 U	0.47	0.45 J
Cadmium	2.9	3.2	9.4	0.52 J	0.0050 U	3.5 J	2.5 J
Calcium	6200 J	6400 J	4000 J	40000 J	0.21 J	7800 J	7800 J
Chromium	25	25	17	17	0.010 U	11	11
Cobalt	9.8	11	7.4	5.5	0.010 U	5.9	5.7
Copper	96	81	190	35	0.020 U	110 J	85 J
Cyanide, Total	0.66 U	0.67 U	0.62 U	0.6 U	0.010 U	0.57 U	0.57 U
Iron	24000 J	26000 J	17000 J	15000 J	0.043 J	13000 J	13000 J
Lead	78	69	180	24	0.0050 U	110 J	81 J
Magnesium	5500	5800	3200	17000	0.50 U	5000	5100
Manganese	470 J	600 J	400 J	390 J	0.010 U	320	290
Mercury	0.083 J	0.081 J	0.14 J	0.044 J	0.00020 U	0.093 J	0.071 J
Molybdenum	0.85 J	0.98 J	1.4	0.72 J	0.010 U	0.45 J	0.38 J
Nickel	26	30	21	15	0.040 U	18	17
Potassium	3400	3600	2300	1300	1.0 U	1600	1600
Selenium	1.2 U	1.3 U	1.1 U	1.2 U	0.010 U	1.1 U	1.1 U
Silver	0.38 J	0.27 J	1.1 J	1.2 U	0.010 U	0.62 J	0.37 J
Sodium	100 U	100 U	130 U	750 J	0.58	130 U	140 U
Thallium	1.2 U	1.3 U	0.76 UJ	1.2 U	0.010 U	0.79 J	1.1 U
Vanadium	44	45	31	28	0.010 U	19	19
Zinc	320 J	300 J	820 J	82 J	0.014 J	350 J	240 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	7800	6000	7200	13000	11000	5500	8500
Antimony	2.3 UJ	2.2 UJ	2.2 UJ	2.1 UJ	2.2 UJ	2.5 UJ	2.4 UJ
Arsenic	7.5	8.7	7.6	6.0	9.0	6.4	9.7
Barium	120	130	160	190	190	140	200
Beryllium	0.50	0.47	0.55	0.72	0.76	0.41 J	0.59
Cadmium	1.9 J	1.7 J	2.6 J	1.1 J	2.4 J	2.0	2.2
Calcium	6800 J	5100 J	16000 J	11000 J	16000 J	15000 J	12000 J
Chromium	14	12	13	48	19	20	15
Cobalt	7.8	5.9	6.4	6.9	8.3	5.4	7.1
Copper	85 J	73 J	110 J	53 J	94 J	70	72
Cyanide, Total	0.57 U	0.60 U	0.60 U	0.57 U	0.66 U	0.62 U	0.60 U
Iron	15000 J	12000 J	16000 J	25000 J	19000 J	12000 J	16000 J
Lead	50 J	50 J	88 J	24 J	76 J	53 J	90 J
Magnesium	4400	3200	9500	4800	5800	5300	5600
Manganese	470	320	430	1200	560	400	420
Mercury	0.060 J	0.054 J	0.076 J	0.094 J	0.086 J	0.050 J	0.055 J
Molybdenum	0.50 J	0.50 J	0.82 J	0.55 J	0.94 J	0.37 J	0.61 J
Nickel	19	16	24	18	24	16	23
Potassium	1400	1300	1900	2400	2500	1300	2100
Selenium	1.1 U	1.1 U	1.1 U	1.0 U	0.55 J	1.2 U	1.2 U
Silver	0.34 J	0.28 J	0.48 J	1.0 U	0.43 J	0.35 J	0.26 J
Sodium	100 U	130 U	130 U	97 U	130 U	120 U	150 U
Thallium	0.98 J	0.84 J	1.1 U	1.3	0.71 J	0.90 J	1.4
Vanadium	25	18	24	120	34	23	25
Zinc	230 J	250 J	290 J	140 J	260 J	220 J	240 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T3-S3-0-0.5FTEB	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00
Units	mg/kg dw	mg/l	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	5900	0.20 U	7300	7200	13000	14000	6200
Antimony	2.1 UJ	0.020 U	2.2 UJ	2.4 UJ	0.65 J	2.5 UJ	2.2 UJ
Arsenic	6.2	0.010 U	8.9	8.1	10	9.1	5.4
Barium	150	0.010 U	180	170	200	180	170
Beryllium	0.41 J	0.0040 U	0.57	0.55	0.86	0.79	0.46
Cadmium	2.5	0.0050 U	2.7	2.5	3.2	1.7	3.1
Calcium	17000 J	0.099 J	7100 J	6100 J	7100 J	11000 J	13000 J
Chromium	12	0.010 U	13	13	20	20	13
Cobalt	5.6	0.010 U	6.6	6.4	8.8	10	6.1
Copper	63	0.020 U	55	53	79	64	75
Cyanide, Total	0.57 U	0.010 U	0.61 U	0.60 U	0.62 U	0.62 U	0.60 U
Iron	12000 J	0.050 U	15000 J	14000 J	21000 J	21000 J	13000 J
Lead	53 J	0.0016 J	76 J	74 J	96 J	50 J	130 J
Magnesium	7300	0.50 U	3900	3500	4200	4000	4800
Manganese	360	0.010 U	400	390	510	610	360
Mercury	0.068 J	0.00011 J	0.065 J	0.055 J	0.11 J	0.073 J	0.097 J
Molybdenum	0.71 J	0.010 U	0.63 J	0.53 J	1.0 J	0.85 J	0.78 J
Nickel	16	0.040 U	19	18	24	23	19
Potassium	1700	1.0 U	2000	2000	2600 J	2100 J	1600
Selenium	1.0 U	0.010 U	1.1 U	1.2 U	0.88 J	1.2 U	1.1 U
Silver	0.20 J	0.010 U	0.29 J	1.2 U	0.29 J	1.2 U	0.21 J
Sodium	120 U	0.50 U	94 U	110 U	74 U	87 U	130 U
Thallium	0.78 J	0.010 U	1.1 U	0.86 J	1.1 J	1.1 J	1.1 U
Vanadium	20	0.010 U	21	21	35	34 J	19
Zinc	260 J	0.020 U	240 J	230 J	310	180	330 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	DAS-T5-S1-0-0.5FTEB	DAS-T5-S2-0-0.5FT	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT
	Sample Date	04/20/00	04/19/00	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00
	Units	mg/l	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		0.20 U	6100	5300	7100	7500	5200	9000
Antimony		0.020 U	2.1 UJ	2.2 UJ	0.59 J	2.3 UJ	2.2 UJ	2.3 UJ
Arsenic		0.010 U	5.5	5.7	8.0	5.8	4.3	7.6
Barium		0.010 U	150	170	200	160	110	180
Beryllium		0.0040 U	0.45	0.40 J	0.55	0.49	0.32 J	0.59
Cadmium		0.0050 U	1.4	5.7	4.0	1.1	1.8	3.6
Calcium		0.13 J	11000 J	18000 J	9500 J	9600 J	150000 J	8100 J
Chromium		0.010 U	11	12	14	13	13	20
Cobalt		0.010 U	6.0	5.2	6.5	6.1	3.9	7.5
Copper		0.020 U	40	70	56	24	36	29
Cyanide, Total		0.010 U	0.59 U	0.55 U	0.59 U	0.57 U	0.54 U	0.58 U
Iron		0.028 J	13000 J	12000 J	15000 J	14000 J	9000 J	15000 J
Lead		0.0050 U	35 J	130 J	110 J	29 J	87 J	39 J
Magnesium		0.50 U	4500	4600	4900	5900	11000	5200
Manganese		0.010 U	400	280	350	340	280	390
Mercury		0.000088 J	0.044 J	0.089 J	0.071 J	0.049 J	0.049 J	0.066 J
Molybdenum		0.010 U	0.40 J	0.58 J	0.83 J	0.37 J	0.59 J	0.51 J
Nickel		0.040 U	16	14	20	17	15	21
Potassium		1.0 U	1600	1500	1700 J	1900 J	1600 J	2000 J
Selenium		0.010 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Silver		0.010 U	1.1 U	0.60 J	0.29 J	1.1 U	1.1 U	1.2 U
Sodium		0.33 J	110 U	160 U	140 U	120 U	180 U	130 U
Thallium		0.010 U	1.1 U	1.1 U	0.73 J	0.97 J	1.1 U	1.2 U
Vanadium		0.010 U	19	17	22 J	22 J	17 J	25
Zinc		0.020 U	140 J	750 J	350	110	240	870

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT	UAS-T1-S2-0-0.5FT	UAS-T1-S3-0-0.5FT	UAS-T1-S4-0-0.5FT	UAS-T1-S5-0-0.5FT	UAS-T1-S6-0-0.5FT
Sample Date	04/20/00	11/10/99	11/10/99	11/11/99	11/11/99	11/11/99	11/11/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	7200	12000 J	13000 J	15000 J	13000 J	13000 J	7000 J
Antimony	2.4 UJ	2.3 J	2.6	2.6	1.8 J	2.1	1.5 J
Arsenic	6.8	10	8.3	9.0	8.8	8.9	6.2
Barium	160	240	210	210	210	200	180
Beryllium	0.47 J	0.71	0.75	0.94	0.76	0.83	0.46
Cadmium	2.2	4.8	3.5	3.7	2.4	2.5	1.7
Calcium	38000 J	5000 J	5100 J	5200 J	4200 J	4400 J	8700 J
Chromium	16	49	19	22	19	19	12
Cobalt	6.1	7.1	7.8	9.2	7.5	8.6	5.4
Copper	33	150	230	230	160	130	86
Cyanide, Total	0.60 U	0.62 U	0.62 U	0.64 U	0.60 U	0.58 U	0.54 U
Iron	14000 J	16000	18000	22000	19000	20000	13000
Lead	67 J	93	92	120	73	69	40
Magnesium	7900	4100	4500	4600	4300	4100	5300
Manganese	380	190	450	460	430	550	250
Mercury	0.089 J	0.099	0.069	0.088	0.050	0.053	0.031
Molybdenum	0.69 J	0.42 J	0.43 J	0.86 J	0.36 J	0.74 J	0.35 J
Nickel	18	21	23	25	21	23	15
Potassium	1500 J	2400	2800	2800	2500	2300	1500
Selenium	1.2 U	0.81 J	1.3 U	1.3 U	1.2 U	0.72 J	1.1 U
Silver	1.2 U	0.27 J	0.48 J	0.59 J	0.27 J	0.28 J	1.1 U
Sodium	150 U	180 U	120 U	130 U	130 U	110 U	140 U
Thallium	0.85 J	1.1 U	1.3 U	1.3 U	0.80 J	1.2 U	1.1 U
Vanadium	22	32	35	41	36	35	22
Zinc	260	1400 J	340 J	390 J	280 J	270 J	180 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T1-S7-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T1-S7-0-0.5FTFD	UAS-T2-S1-0-0.5FT	UAS-T2-S2-0-0.5FT	UAS-T2-S3-0-0.5FT	UAS-T2-S4-0-0.5FT
Sample Date	11/11/99	11/11/99	11/11/99	11/12/99	11/12/99	11/12/99	11/12/99
Units	mg/kg dw	mg/l	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	6600 J	0.065 J	5900 J	11000 J	9800 J	18000 J	18000 J
Antimony	1.2 J	0.020 U	0.60 J	1.4 J	1.5 J	1.3 J	1.7 J
Arsenic	5.9	0.010 U	5.6	9.0	7.0	10	9.4
Barium	170	0.010 U	160	200	160	230 J	230
Beryllium	0.43 J	0.0040 U	0.40 J	0.66	0.62	1.1 J	1.0
Cadmium	2.1	0.0050 U	2.2	2.8	1.9	2.1	2.7
Calcium	6900 J	0.27 J	6700 J	4600 J	3500 J	4600 J	4800 J
Chromium	12	0.010 U	11	17	15	24	25
Cobalt	5.1	0.010 U	4.8	7.1	6.5	11	9.9
Copper	72	0.020 U	81	140	77	87	95
Cyanide, Total	0.56 U	0.010 U	0.56 U	0.56 U	0.60 U	0.62 U	0.60 U
Iron	12000	0.050 U	11000	17000	15000	24000	24000
Lead	46	0.0050 U	46	79	50	66	72
Magnesium	4600	0.50 U	4300	3700	3400	5200	5000
Manganese	230	0.010 U	220	410	390	690	630
Mercury	0.037	0.00020 U	0.040	0.065	0.047	0.069	0.077
Molybdenum	0.46 J	0.010 U	0.45 J	0.47 J	0.46 J	1.3 J	0.87 J
Nickel	14	0.040 U	14	23	18	27	26
Potassium	1400	1.0 U	1400	2200	1700	3300 J	3800
Selenium	1.1 U	0.010 U	1.1 U	1.1 U	1.1 U	1.2 U	0.61 J
Silver	1.1 U	0.010 U	0.21 J	0.41 J	0.24 J	0.30 J	0.28 J
Sodium	140 U	0.60	130 U	120 U	120 U	89 U	96 U
Thallium	1.1 U	0.010 U	1.1 U	1.1 U	1.1 U	0.73 J	1.0 J
Vanadium	21	0.010 U	20	30	28	40 J	46
Zinc	240 J	0.020 U	250 J	310 J	190 J	250 J	270 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T2-S5-0-0 5FT	UAS-T2-S6-0-0 5FT	UAS-T3-S1-0-0.5FT	UAS-T3-S2-0-0 5FT	UAS-T3-S3-0-0 5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S4-0-0 5FT
	Sample Date	11/12/99	11/12/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		11000 J	9900 J	11000 J	16000 J	5500 J	14000 J	17000 J
Antimony		1.1 J	0.67 J	2.2 UJ	1.9 J	0.90 J	2.3 UJ	1.1 J
Arsenic		6.9	6.6	7.5	9.4	3.2 J	7.9 J	8.0
Barium		180 J	190 J	200	220 J	87 J	210 J	210 J
Beryllium		0.73 U	0.72 U	0.63	0.99 J	0.43 U	0.77	1.1 J
Cadmium		2.1	2.8	1.5	2.7	0.96 J	2.2 J	2.7
Calcium		4300 J	8800 J	7600 J	4400 J	2100 J	5100 J	4600 J
Chromium		16	15	16	22	7.7 J	19 J	23
Cobalt		6.9	6.8	6.7	10	3.6 J	8.2 J	9.5
Copper		69	87	55	65	28 J	75 J	77
Cyanide, Total		0.60 U	0.60 U	0.61 U	0.60 U	0.58 U	0.58 U	0.57 U
Iron		16000	15000	16000	21000	7900 J	19000 J	22000
Lead		48	79	40 J	63	21 J	50 J	64
Magnesium		3900	5100	5600	4500	1800 J	4200 J	4700
Manganese		340	350	380	610	220 J	530 J	510
Mercury		0.045	0.063	0.042	0.055	0.073 J	0.055 J	0.072
Molybdenum		0.79 J	0.70 J	0.38 J	0.94 J	0.30 J	0.57 J	1.2 J
Nickel		18	18	20	26	9.1 J	21 J	24
Potassium		2500 J	2500 J	2300 J	3000 J	1500 J	3400 J	3700 J
Selenium		0.99 U	1.0 J	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Silver		0.23 J	0.38 J	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Sodium		100 U	130 U	120 U	100 U	58 U	110 U	94 U
Thallium		0.99 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Vanadium		30 J	28 J	30	39 J	15 J	36 J	42 J
Zinc		210 J	290 J	160	240	98 J	220 J	300

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T3-S5-0-0.5FT	UAS-T3-S5-0-0.5FTEB	UAS-T3-S6-0-0.5FT	UAS-T3-S7-0-0.5FT	UAS-T4-S1-0-0.5FT	UAS-T4-S2-0-0.5FT	UAS-T4-S3-0-0.5FT
	Sample Date	11/15/99	11/16/99	11/15/99	11/15/99	11/16/99	11/16/99	11/16/99
	Units	mg/kg dw	mg/l	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		9900 J	0.047 J	7700 J	3300 J	8100 J	7900 J	10000 J
Antimony		1.2 J	0.020 U	2.3 U	2.1 UJ	2.3 UJ	2.1 UJ	1.9 UJ
Arsenic		5.2	0.010 U	5.8	2.6	6.6	5.7	6.0
Barium		150 J	0.010 U	190 J	40	190	1200	130
Beryllium		0.76 J	0.0040 U	0.61 U	0.18 J	0.54	0.54	0.50
Cadmium		2.2	0.0050 U	2.2	3.8	2.3	1.5	0.47 J
Calcium		3500 J	0.30 J	9500 J	250000 J	6000 J	82000 J	50000 J
Chromium		15	0.010 U	12	11	13	29	14
Cobalt		6.4	0.010 U	6.1	2.3	6.2	5.9	6.1
Copper		79	0.020 U	48	75	69	180	24
Cyanide, Total		0.56 U	0.010 U	0.57 U	0.53 U	0.57 U	0.53 U	0.53 U
Iron		15000	0.050 U	13000	4100	14000	14000	14000
Lead		56	0.0050 U	39	51 J	62	190	29
Magnesium		3100	0.50 U	5400	18000	3900	8100	5800
Manganese		250	0.010 U	360	120	340 J	430 J	400 J
Mercury		0.079	0.00020 U	0.049	0.093	0.066	0.084	0.046
Molybdenum		0.56 J	0.010 U	0.77 J	1.4	0.32 J	1.2	1.4
Nickel		17	0.040 U	15	14	17	18	16
Potassium		2100 J	1.0 U	1900 J	1200 J	1900 J	1400 J	1500 J
Selenium		0.60 J	0.010 U	1.1 U	3.2	1.1 U	1.1 U	0.97 U
Silver		1.0 U	0.010 U	1.1 U	0.38 J	0.24 J	1.1 U	0.97 U
Sodium		70 U	0.62	120 U	260 U	170 U	190 U	120 U
Thallium		1.0 U	0.010 U	1.1 U	1.1 U	1.1 U	1.1 U	0.97 U
Vanadium		27 J	0.010 U	23 J	13	23	22	27
Zinc		410	0.020 U	250	460	240	290	75

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T4-S3-0-0.5FTFD	UAS-T4-S4-0-0.5FT	UAS-T4-S5-0-0.5FT	UAS-T4-S6-0-0.5FT	UAS-T4-S7-0-0.5FT	UAS-T5-S1-0-0.5FT	UAS-T5-S2-0-0.5FT
Sample Date	11/16/99	11/16/99	11/16/99	11/16/99	11/17/99	11/17/99	11/17/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	9800 J	5100 J	8800 J	10000 J	9900 J	11000 J	11000 J
Antimony	2.0 UJ	2.1 UJ	2.0 UJ	2.4 UJ	2.2 UJ	2.3 UJ	2.0 UJ
Arsenic	5.9	3.4	5.7	8.0	4.6	7.6	6.8
Barium	140	77	200	180	110	190	190
Beryllium	0.50	0.27 J	0.49	0.65	0.63	0.66	0.61
Cadmium	0.45 J	0.83	0.94	0.98	1.7	2.6	2.4
Calcium	49000 J	96000 J	150000 J	25000 J	80000 J	4800 J	4200 J
Chromium	14	11	22	16	18	16	16
Cobalt	6.4	3.4	4.8	6.8	5.3	6.9	6.3
Copper	27	32	48	39	60	53	42
Cyanide, Total	0.54 U	0.52 U	0.54 U	0.60 U	0.56 U	0.57 U	0.56 U
Iron	14000	7700	12000	19000	17000	16000	15000
Lead	27	29	83	130	260	59	50
Magnesium	6600	13000	21000	6800	5400	3800	3600
Manganese	470 J	180 J	400 J	400 J	440 J	390 J	370 J
Mercury	0.045	0.027	0.096	0.57	0.087	0.060	0.054
Molybdenum	1.3	0.51 J	2.3	1.0 J	1.1 J	0.42 J	0.27 J
Nickel	16	12	17	19	17	19	17
Potassium	1500 J	1200 J	1800 J	2100 J	1800 J	2000 J	2400 J
Selenium	0.98 U	1.0 U	0.99 U	1.2 U	1.1 U	1.1 U	1.0 U
Silver	0.98 U	1.0 U	0.99 U	1.2 U	1.1 U	1.1 U	1.0 U
Sodium	120 U	160 U	220 U	160 U	200 U	130 U	100 U
Thallium	0.98 U	1.0 U	0.99 U	1.2 U	1.1 U	1.1 U	1.0 U
Vanadium	27	15	26	29	26	29	29
Zinc	77	82	120	140	550	230	230

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T5-S3-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T5-S5-0-0.5FT	UAS-T5-S5-0-0.5FTEB	UAS-T5-S6-0-0.5FT	UAS-T5-S6-0-0.5FTFD	UAS-T6-S1-0-0.5FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/18/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/l	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	8700 J	9600 J	9800 J	0.053 J	7500 J	7800 J	8700
Antimony	2.2 UJ	0.63 J	0.62 J	0.020 U	0.61 J	1.2 J	0.74 J
Arsenic	6.0	6.5	6.4	0.010 U	6.9	7.2	6.1
Barium	170	170	180	0.010 U	170	180	190
Beryllium	0.52	0.58	0.54	0.0040 U	0.53	0.56	0.55 J
Cadmium	2.5	2.4	2.3	0.0050 U	8.3	8.5	1.6
Calcium	3800 J	4100 J	10000 J	0.28 J	20000 J	21000 J	10000 J
Chromium	14	15	16	0.010 U	18	19	14
Cobalt	5.4	6.2	6.2	0.010 U	5.5	5.8	6.3
Copper	44	38	41	0.020 U	82	87	31
Cyanide, Total	0.54 U	0.56 U	0.52 U	0.010 U	0.59 U	0.60 U	0.59 U
Iron	13000	15000	15000	0.050 U	13000	14000	14000
Lead	54	50	45	0.0050 U	170	170	39 J
Magnesium	3000	3400	5000	0.50 U	4300	4600	5100
Manganese	280 J	350	370	0.010 U	330	330	360
Mercury	0.049	0.056	0.063	0.00020 U	0.11	0.12	0.086
Molybdenum	0.46 J	0.22 J	0.37 J	0.010 U	0.56 J	0.80 J	0.43 J
Nickel	15	17	18	0.040 U	16	17	17
Potassium	1700 J	1800 J	1700 J	1.0 U	1500 J	1500 J	2400 J
Selenium	1.1 U	0.48 J	1.0 U	0.010 U	1.2 U	1.2 U	1.1 U
Silver	1.1 U	1.0 U	1.0 U	0.010 U	0.54 J	0.55 J	1.1 U
Sodium	120 U	78 U	120 U	0.62	160 U	170 U	100 U
Thallium	1.1 U	1.0 U	1.0 U	0.010 U	1.2 U	1.2 U	1.1 U
Vanadium	25	26	28	0.010 U	26	27	25
Zinc	240	230	240	0.020 U	980	980	160 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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FXP File D:\2550 TABLEPRS.FXP

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T6-S2-0-0 5FT	UAS-T6-S3-0-0 5FT	UAS-T6-S3-0-0 5FTEB	UAS-T6-S4-0-0 5FT	UAS-T6-S5-0-0 5FT	UAS-T7-S1-0-0 5FT	UAS-T7-S2-0-0 5FT
	Sample Date	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99	11/19/99	11/19/99
	Units	mg/kg dw	mg/kg dw	mg/l	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		7500	9700	0.20 U	9100	9000	10000	8200
Antimony		2.1 U	0.77 J	0.020 U	2.0 U	0.65 J	2.2 UJ	0.63 UJ
Arsenic		4.0	5.4	0.010 U	5.3	9.2	34	6.7
Barium		89	130	0.010 U	130	190	200	180
Beryllium		0.34 UJ	0.49 J	0.00070 J	0.49 J	0.86 J	0.70 U	0.66 U
Cadmium		0.81	0.85	0.0050 U	0.94	0.92	5.4	1.8
Calcium		140000 J	48000 J	0.29 J	79000 J	55000 J	26000 J	11000 J
Chromium		13	15	0.010 U	15	18	17	13
Cobalt		4.0	5.8	0.010 U	5.9	9.2	6.8	6.5
Copper		19	18	0.020 U	21	29	130	26
Cyanide, Total		0.57 U	0.55 U	0.010 U	0.54 U	0.57 U	0.62 U	0.54 U
Iron		10000	14000	0.050 U	14000	19000	15000 J	14000 J
Lead		35 J	29 J	0.0021 J	36 J	78 J	71 J	41 J
Magnesium		18000	10000	0.50 U	9900	4900	5400	6100
Manganese		310	400	0.010 U	380	660	330	320
Mercury		0.043	0.039	0.00020 U	0.044	0.077	0.14	0.052
Molybdenum		0.40 J	0.28 J	0.010 U	0.62 J	3.2	0.69 J	0.84 J
Nickel		13	16	0.040 U	17	23	55	17
Potassium		1600 J	2000 J	1.0 U	1700 J	1300 J	2300 J	2400 J
Selenium		1.1 U	1.0 U	0.010 U	1.1 U	0.68 J	1.1	0.49 J
Silver		1.1 U	1.0 U	0.010 U	1.1 U	1.1 U	0.37 J	1.1 U
Sodium		210 U	120 U	0.44 J	160 U	150 U	130 U	120 U
Thallium		1.1 U	1.0 U	0.010 U	1.1 U	1.1 U	1.1 U	1.1 U
Vanadium		24	30	0.010 U	33	30	27	25
Zinc		82 J	90 J	0.0067 J	99 J	120 J	610	190

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD	UAS-T7-S4-0-0.5FT	UAS-T7-S5-0-0.5FT	UAS-T7-S6-0-0.5FT	UAS-T7-S6-0-0.5FTEB	UAS-T7-S7-0-0.5FT
Sample Date	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l	mg/kg dw
Compound							
Aluminum	11000	13000	7200	7500	7000	0.20 U	6900
Antimony	2.1 UJ	2.3 UJ	2.0 UJ	2.2 UJ	1.9 UJ	0.020 U	0.73 J
Arsenic	7.6	8.1	6.2	6.6	6.5	0.010 U	7.7
Barium	190	200	150	130	160	0.013	150
Beryllium	0.81 J	0.84 J	0.57 U	0.57 U	0.59 U	0.00086 J	0.75 U
Cadmium	2.6	2.8	1.5	1.5	3.3	0.0050 U	6.1
Calcium	5900 J	6000 J	6700 J	19000 J	7300 J	24	8900 J
Chromium	17	18	12	14	13	0.010 U	15
Cobalt	7.7	7.9	6.0	6.6	6.2	0.010 U	6.2
Copper	33	36	21	24	32	0.0027 J	57
Cyanide, Total	0.57 U	0.57 U	0.54 U	0.54 U	0.53 U	0.010 U	0.56 U
Iron	17000 J	18000 J	13000 J	14000	13000 J	0.050 U	17000 J
Lead	60 J	67 J	36 J	42 J	72 J	0.0050 U	150 J
Magnesium	4200	4400	4200	11000	4000	8.1	2800
Manganese	430	440	270	420	280	0.010 U	280
Mercury	0.077	0.084	0.045	0.044	0.089	0.00020 U	0.16
Molybdenum	0.94 J	1.0 J	0.65 J	0.65 J	0.68 UJ	0.010 U	1.8 J
Nickel	20	21	15	16	16	0.040 U	17
Potassium	2600 J	3100 J	1800 J	1600 J	1700	2.5	2000
Selenium	0.89 J	1.1 U	0.55 J	1.1 U	1.1	0.010 U	0.53 J
Silver	0.21 J	1.1 U	0.98 U	1.1 U	0.27 J	0.010 U	0.44 J
Sodium	100 U	110 U	110 U	120 U	110 U	13	110 U
Thallium	1.0 U	1.1 U	0.98 U	1.1 U	0.97 U	0.010 U	1.1 U
Vanadium	31	34	22	26	22	0.010 U	21
Zinc	250	280	150	160	310	0.0059 J	640

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	BS-EE-04-0-0.5FT	BS-EE-04-0-0.5FTFD	BS-EE-20-0-0.5FT	BS-EEG-108-0-0.5FT	BS-EEG-108-0-0.5FTEB	DAS-T1-S1-0-0.5FT	DAS-T1-S1-0-0.5FTFD
Sample Date	01/26/00	01/26/00	01/24/00	01/27/00	01/27/00	04/18/00	04/18/00
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	3.6 J	1.7 J	102	1.1	0.0003 U	14.7 J	7.8 J
1,2,3,4,6,7,8,9-OCDF	0.58 J	0.33 J	22.4	0.11	0.0003 U	1.4 J	0.81 J
1,2,3,4,6,7,8-HpCDD	0.19 J	0.12 J	6.4	0.07	0.0002 U	1.2	0.61
1,2,3,4,6,7,8-HpCDF	0.11 J	0.1 J	3.2	0.04	0.0002 U	0.35	0.21
1,2,3,4,7,8,9-HpCDF	0.02 UJ	0.02 UJ	0.02 U	0.01 U	0.0002 U	0.04 U	0.03 U
1,2,3,4,7,8-HxCDD	0.02 UJ	0.02 UJ	0.04	0.01 U	0.0001 U	0.04 U	0.03 U
1,2,3,4,7,8-HxCDF	0.01 UJ	0.01 UJ	0.14	0.01 U	0.0001 U	0.03 UJ	0.02 UJ
1,2,3,6,7,8-HxCDD	0.03 UJ	0.03 UJ	0.23	0.02 U	0.0002 U	0.06 U	0.05 U
1,2,3,6,7,8-HxCDF	0.02 UJ	0.02 UJ	0.06 M	0.01 U	0.0001 U	0.03 U	0.02 U
1,2,3,7,8,9-HxCDD	0.04 UJ	0.03 UJ	0.15	0.02 U	0.0003 U	0.08 U	0.06 U
1,2,3,7,8,9-HxCDF	0.02 UJ	0.02 UJ	0.02 U	0.01 U	0.0002 U	0.03 U	0.02 U
1,2,3,7,8-PeCDD	0.04 UJ	0.04 UJ	0.03 U	0.03 U	0.0003 U	0.1 U	0.1 U
1,2,3,7,8-PeCDF	0.02 UJ	0.02 UJ	0.02 U	0.01 U	0.0002 U	0.05 U	0.04 U
2,3,4,6,7,8-HxCDF	0.02 UJ	0.02 UJ	0.08	0.01 U	0.0001 U	0.03 U	0.02 U
2,3,4,7,8-PeCDF	0.03 UJ	0.02 UJ	0.02 U	0.02 U	0.0002 U	0.06 U	0.05 U
2,3,7,8-TCDD	0.02 UJ	0.02 UJ	0.02 U	0.01 U	0.0002 U	0.07 U	0.05 U
2,3,7,8-TCDF	0.02 UJ	0.02 UJ	0.01 U	0.01 U	0.0001 U	0.04 U	0.04 U
1998 Total TEQ w/ EMPC as ND	0.009418	0.007903	0.17244	0.004721	0.00004203	0.02911	0.018061

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	DAS-T1-S2-0-0.5FT	DAS-T1-S3-0-0.5FT	DAS-T2-S1-0-0.5FT	DAS-T2-S2-0-0.5FT	DAS-T2-S3-0-0.5FT	DAS-T3-S1-0-0.5FT	DAS-T3-S2-0-0.5FT
Sample Date	04/18/00	04/18/00	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	5.6 J	5.2 J	9 J	2.7 JM	1.7 JM	2.4	3.7
1,2,3,4,6,7,8,9-OCDF	0.39 J	0.31 J	1.4 J	0.1 J	0.16 J	0.18	0.16
1,2,3,4,6,7,8-HpCDD	0.36	0.35	0.63	0.24	0.18 J	0.16	0.19
1,2,3,4,6,7,8-HpCDF	0.12	0.1	0.26	0.03 U	0.04 UJ	0.08	0.08
1,2,3,4,7,8,9-HpCDF	0.03 U	0.03 U	0.04 U	0.03 U	0.04 UJ	0.02 U	0.03 U
1,2,3,4,7,8-HxCDD	0.04 U	0.03 U	0.04 U	0.03 U	0.05 UJ	0.02 U	0.02 U
1,2,3,4,7,8-HxCDF	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.03 UJ	0.02 U	0.02 U
1,2,3,6,7,8-HxCDD	0.06 U	0.05 U	0.06 U	0.05 U	0.08 UJ	0.02 U	0.02 U
1,2,3,6,7,8-HxCDF	0.03 U	0.02 U	0.03 U	0.03 U	0.04 UJ	0.02 U	0.03 U
1,2,3,7,8,9-HxCDD	0.07 U	0.06 U	0.08 U	0.06 U	0.1 UJ	0.02 U	0.02 U
1,2,3,7,8,9-HxCDF	0.03 U	0.02 U	0.03 U	0.03 U	0.04 UJ	0.02 U	0.02 U
1,2,3,7,8-PeCDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.04 U	0.03 U
1,2,3,7,8-PeCDF	0.04 U	0.04 U	0.05 U	0.04 U	0.06 U	0.02 U	0.02 U
2,3,4,6,7,8-HxCDF	0.03 U	0.02 U	0.03 U	0.03 U	0.04 UJ	0.02 U	0.03 U
2,3,4,7,8-PeCDF	0.05 U	0.04 U	0.06 U	0.05 U	0.07 U	0.02 U	0.02 U
2,3,7,8-TCDD	0.06 U	0.05 U	0.07 U	0.06 U	0.07 U	0.02 U	0.02 U
2,3,7,8-TCDF	0.04 U	0.03 U	0.04 U	0.04 U	0.05 U	0.02 U	0.02 U
1998 Total TEQ w/ EMPC as ND	0.016399	0.014051	0.02144	0.012195	0.017101	0.007658	0.008586

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	DAS-T3-S3-0-0.5FT	DAS-T4-S1-0-0.5FT	DAS-T4-S1-0-0.5FTFD	DAS-T4-S2-0-0.5FT	DAS-T4-S3-0-0.5FT	DAS-T5-S1-0-0.5FT	DAS-T5-S2-0-0.5FT
Sample Date	04/19/00	04/19/00	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	3.4	2.7 J	4.1 J	2.4	8.3	2.9	1.7
1,2,3,4,6,7,8,9-OCDF	0.2	0.29 J	0.31 J	0.18	0.16	0.16	0.13
1,2,3,4,6,7,8-HpCDD	0.25	0.24 J	0.38 J	0.17	0.28	0.17	0.09
1,2,3,4,6,7,8-HpCDF	0.08	0.05 UJ	0.16 J	0.08	0.07	0.05	0.04
1,2,3,4,7,8,9-HpCDF	0.02 U	0.06 UJ	0.07 UJ	0.01 U	0.01 U	0.01 U	0.02 U
1,2,3,4,7,8-HxCDD	0.02 U	0.04 UJ	0.06 UJ	0.01 U	0.01 U	0.01 U	0.02 U
1,2,3,4,7,8-HxCDF	0.01 U	0.03 UJ	0.04 UJ	0.01 U	0.008 U	0.01 U	0.01 U
1,2,3,6,7,8-HxCDD	0.02 U	0.05 UJ	0.07 UJ	0.02 U	0.01 U	0.01 U	0.02 U
1,2,3,6,7,8-HxCDF	0.02 U	0.04 UJ	0.05 UJ	0.01 U	0.009 U	0.01 U	0.01 U
1,2,3,7,8,9-HxCDD	0.02 U	0.05 UJ	0.07 UJ	0.02 U	0.01 U	0.01 U	0.02 U
1,2,3,7,8,9-HxCDF	0.01 U	0.04 UJ	0.05 UJ	0.01 U	0.008 U	0.01 U	0.01 U
1,2,3,7,8-PeCDD	0.04 U	0.1 UJ	0.1 UJ	0.03 U	0.02 U	0.03 U	0.03 U
1,2,3,7,8-PeCDF	0.02 U	0.05 UJ	0.05 UJ	0.01 U	0.01 U	0.01 U	0.02 U
2,3,4,6,7,8-HxCDF	0.01 U	0.04 UJ	0.04 UJ	0.01 U	0.009 U	0.01 U	0.01 U
2,3,4,7,8-PeCDF	0.02 U	0.06 UJ	0.06 UJ	0.01 U	0.01 U	0.01 U	0.02 U
2,3,7,8-TCDD	0.02 U	0.05 UJ	0.05 UJ	0.01 U	0.01 U	0.02 U	0.02 U
2,3,7,8-TCDF	0.01 U	0.04 UJ	0.04 UJ	0.01 U	0.008 U	0.01 U	0.01 U
1998 Total TEQ w/ EMPC as ND	0.00766	0.013449	0.019841	0.006258	0.006696	0.005006	0.005483

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	DAS-T5-S3-0-0.5FT	DAS-T6-S1-0-0.5FT	DAS-T6-S2-0-0.5FT	DAS-T6-S3-0-0.5FT	DAS-T7-S1-0-0.5FT	DAS-T7-S2-0-0.5FT	UAS-T1-S1-0-0.5FT
Sample Date	04/19/00	04/20/00	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	10.9	5.5	3	4.9	0.82	5	3.8
1,2,3,4,6,7,8,9-OCDF	1.3	0.56	0.13	0.22	0.03 U	0.25	1.8
1,2,3,4,6,7,8-HpCDD	1.1	0.36	0.1	0.3	0.08	0.36	0.28
1,2,3,4,6,7,8-HpCDF	0.46	0.19	0.04	0.09	0.01 U	0.11	0.17
1,2,3,4,7,8,9-HpCDF	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.06 U
1,2,3,4,7,8-HxCDD	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.06 U
1,2,3,4,7,8-HxCDF	0.01 U	0.01 U	0.008 U	0.008 U	0.01 U	0.01 U	0.04 U
1,2,3,6,7,8-HxCDD	0.05	0.02 U	0.01 U	0.01 U	0.01 U	0.02 U	0.06 U
1,2,3,6,7,8-HxCDF	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.04 U
1,2,3,7,8,9-HxCDD	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.06 U
1,2,3,7,8,9-HxCDF	0.01 U	0.01 U	0.008 U	0.008 U	0.01 U	0.01 U	0.04 U
1,2,3,7,8-PeCDD	0.04 U	0.03 U	0.02 U	0.02 U	0.03 U	0.03 U	0.05 U
1,2,3,7,8-PeCDF	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03 U
2,3,4,6,7,8-HxCDF	0.01 U	0.01 U	0.009 U	0.009 U	0.01 U	0.01 U	0.05 U
2,3,4,7,8-PeCDF	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03 U
2,3,7,8-TCDD	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.03 U
2,3,7,8-TCDF	0.01 U	0.009 U	0.01 U	0.008 U	0.01 U	0.01 U	0.02 U
1998 Total TEQ w/ EMPC as ND	0.02432	0.009106	0.004063	0.006762	0.0034335	0.008225	0.01856

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	UAS-T1-S6-0-0.5FT	UAS-T1-S7-0-0.5FTEB	UAS-T2-S4-0-0.5FT	UAS-T3-S3-0-0.5FT	UAS-T3-S3-0-0.5FTFD	UAS-T3-S5-0-0.5FTEB	UAS-T4-S1-0-0.5FT
Sample Date	11/11/99	11/11/99	11/12/99	11/15/99	11/15/99	11/16/99	11/16/99
Units	ug/kg	ug/l	ug/kg	ug/kg	ug/kg	ug/l	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	2.7 UJ	0.0037	6.4	2	1.8 J	0.000011	6.1
1,2,3,4,6,7,8,9-OCDF	0.21 J	0.00087 M	1	0.14	0.18 J	0.0000036 U	0.35
1,2,3,4,6,7,8-HpCDD	0.18 J	0.0004 U	0.49	0.17	0.2 J	0.0000026 U	0.26
1,2,3,4,6,7,8-HpCDF	0.05 UJ	0.0003 U	0.31	0.08	0.08 J	0.0000015 U	0.14
1,2,3,4,7,8,9-HpCDF	0.06 UJ	0.0003 U	0.06 U	0.01 U	0.006 UJ	0.0000022 U	0.01 U
1,2,3,4,7,8-HxCDD	0.04 UJ	0.0003 U	0.04 U	0.01 U	0.006 UJ	0.0000017 U	0.01 U
1,2,3,4,7,8-HxCDF	0.04 UJ	0.0002 U	0.04 U	0.007 U	0.004 UJ	0.000001 U	0.01 U
1,2,3,6,7,8-HxCDD	0.05 UJ	0.0003 U	0.05 U	0.01 U	0.008 UJ	0.0000016 U	0.02 U
1,2,3,6,7,8-HxCDF	0.05 UJ	0.0002 U	0.04 U	0.008 U	0.005 UJ	0.000001 U	0.01 U
1,2,3,7,8,9-HxCDD	0.08 UJ	0.0003 U	0.04 U	0.02 U	0.01 UJ	0.0000017 U	0.03 U
1,2,3,7,8,9-HxCDF	0.05 UJ	0.0002 U	0.05 U	0.008 U	0.005 UJ	0.0000012 U	0.01 U
1,2,3,7,8-PeCDD	0.07 UJ	0.0002 U	0.04 U	0.02 U	0.02 U	0.0000017 U	0.03 U
1,2,3,7,8-PeCDF	0.04 UJ	0.0001 U	0.03 U	0.01 U	0.007 U	0.0000013 U	0.01 U
2,3,4,6,7,8-HxCDF	0.05 UJ	0.0003 U	0.05 U	0.008 U	0.005 UJ	0.0000011 U	0.01 U
2,3,4,7,8-PeCDF	0.05 UJ	0.0001 U	0.03 U	0.01 U	0.008 U	0.0000014 U	0.02 U
2,3,7,8-TCDD	0.04 UJ	0.0001 U	0.02 U	0.01 U	0.008 U	0.0000019 U	0.01 U
2,3,7,8-TCDF	0.04 UJ	0.0001 U	0.02 U	0.01 U	0.006 U	0.0000014 U	0.01 U
1998 Total TEQ w/ EMPC as ND	0.015206	0.0000739135	0.01974	0.005464	0.004648	0.0000003768	0.008645

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

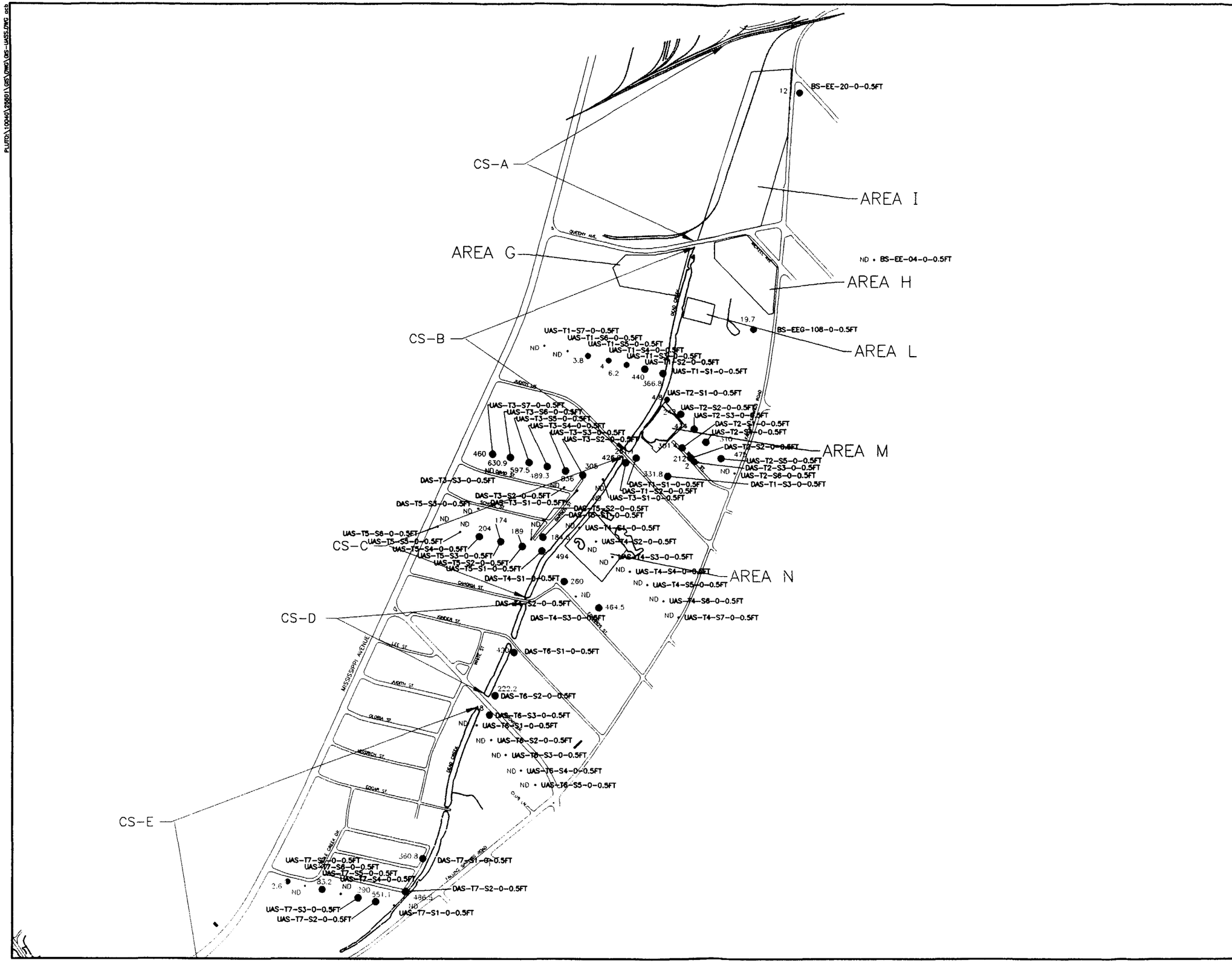
O'BRIEN & GERE ENGINEERS, INC.

Table 2-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Surface (0-0.5ft)
Method 8280A/8290 PCDD/PCDF Data

	Sample ID	UAS-T4-S6-0-0.5FT	UAS-T5-S4-0-0.5FT	UAS-T6-S3-0-0.5FT	UAS-T6-S3-0-0.5FTEB	UAS-T7-S3-0-0.5FT	UAS-T7-S3-0-0.5FTFD
	Sample Date	11/16/99	11/17/99	11/18/99	11/18/99	11/19/99	11/19/99
	Units	ug/kg	ug/kg	ug/kg	ug/l	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD		7	3.3	10.1	0.0002 U	2.2	2.8
1,2,3,4,6,7,8,9-OCDF		0.23	0.4	3.2	0.0002 U	0.1 M	0.22
1,2,3,4,6,7,8-HpCDD		0.42	0.23	0.78	0.0001 U	0.11	0.18
1,2,3,4,6,7,8-HpCDF		0.5 U	0.1	0.41	0.0001 U	0.07 M	0.07
1,2,3,4,7,8,9-HpCDF		0.6 U	0.008 U	0.01 U	0.0001 U	0.02 U	0.02 U
1,2,3,4,7,8-HxCDD		0.6 U	0.006 U	0.01 U	0.00009 U	0.02 U	0.02 U
1,2,3,4,7,8-HxCDF		0.4 U	0.006 U	0.008 U	0.00009 U	0.02 U	0.02 U
1,2,3,6,7,8-HxCDD		0.9 U	0.01 U	0.02 U	0.0001 U	0.03 U	0.03 U
1,2,3,6,7,8-HxCDF		0.5 U	0.007 U	0.01 U	0.0001 U	0.02 U	0.02 U
1,2,3,7,8,9-HxCDD		1.2 U	0.01 U	0.02 U	0.0002 U	0.04 U	0.04 U
1,2,3,7,8,9-HxCDF		0.5 U	0.007 U	0.01 U	0.0001 U	0.02 U	0.02 U
1,2,3,7,8-PeCDD		1.1 UJ	0.01 U	0.03 U	0.0002 U	0.03 U	0.03 U
1,2,3,7,8-PeCDF		0.5 UJ	0.006 U	0.01 U	0.00008 U	0.01 U	0.02 U
2,3,4,6,7,8-HxCDF		0.5 U	0.007 U	0.009 U	0.0001 U	0.02 U	0.02 U
2,3,4,7,8-PeCDF		0.5 UJ	0.007 U	0.01 U	0.00009 U	0.02 U	0.02 U
2,3,7,8-TCDD		0.6 UJ	0.006 U	0.02 U	0.00009 U	0.01 U	0.02 U
2,3,7,8-TCDF		0.4 UJ	0.006 U	0.01 U	0.00007 U	0.01 U	0.01 U
1998 Total TEQ w/ EMPC as ND		0.187423	0.00562	0.01658	0.00003002	0.008175	0.009302

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

FIGURE 2-1



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

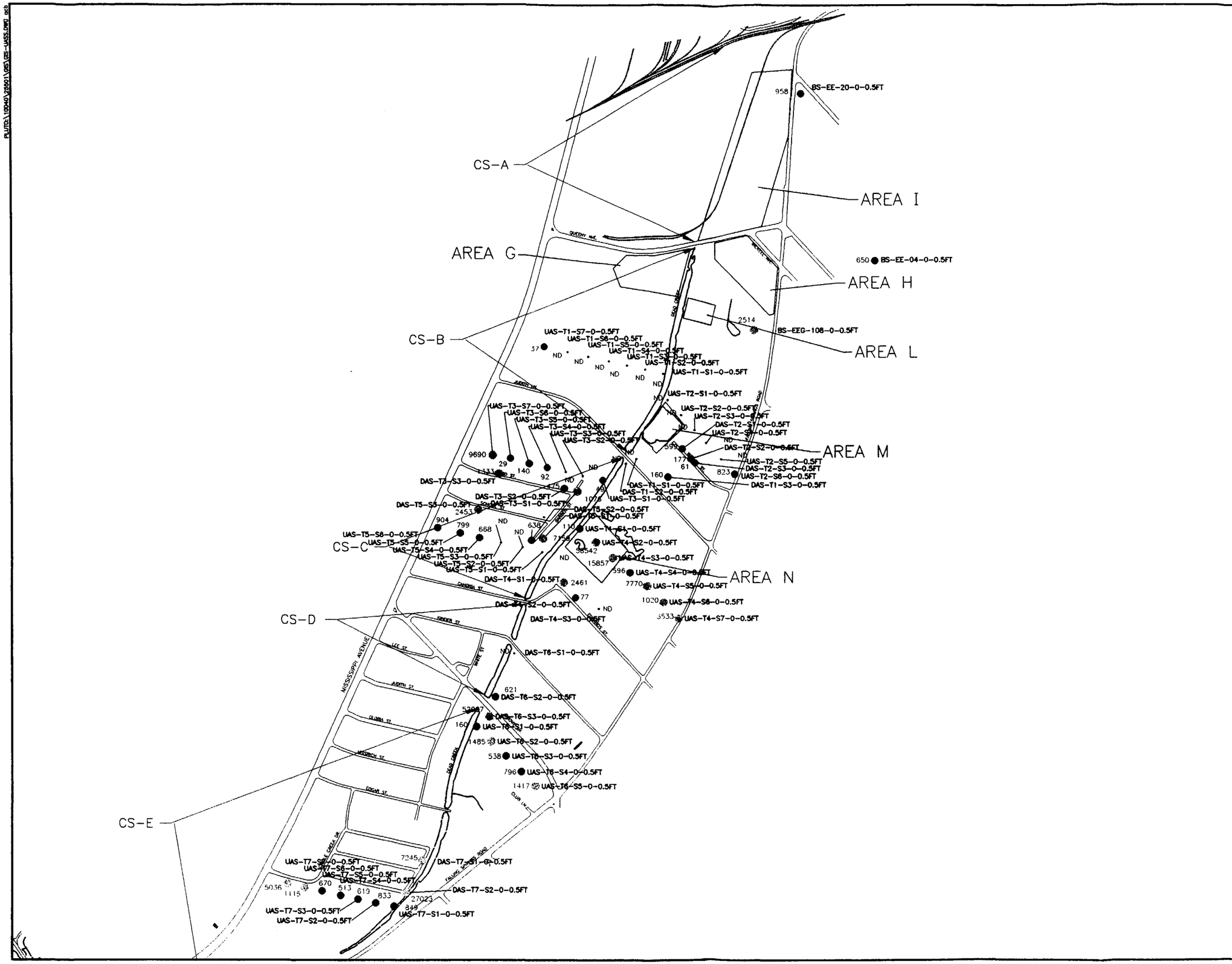
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
TOTAL VOCs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.A
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-2



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

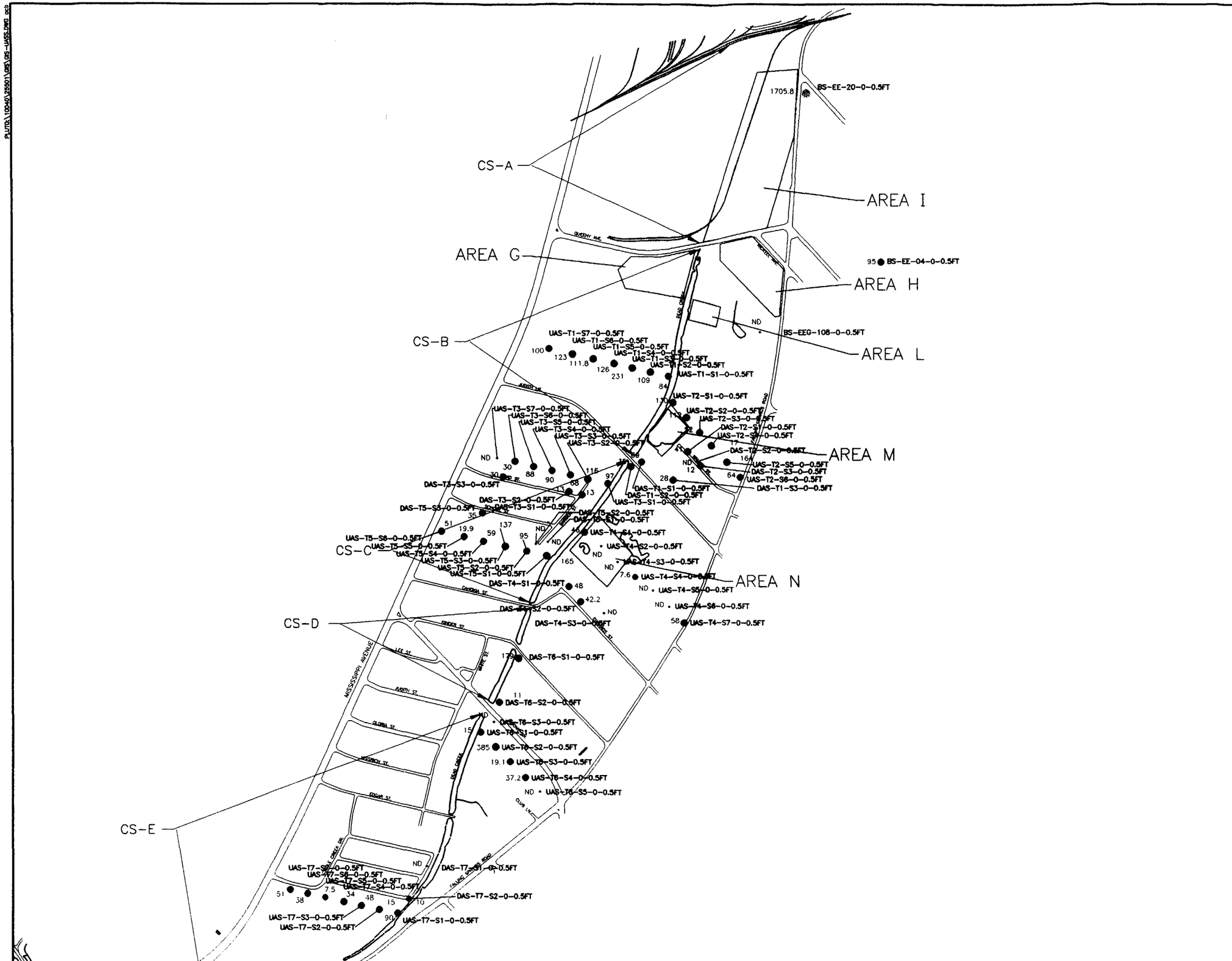
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
TOTAL SVOCs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.B
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-3



LEGEND

- NOT DETECTED
- < 1
- 1 - 10
- 10 - 100
- 100 - 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

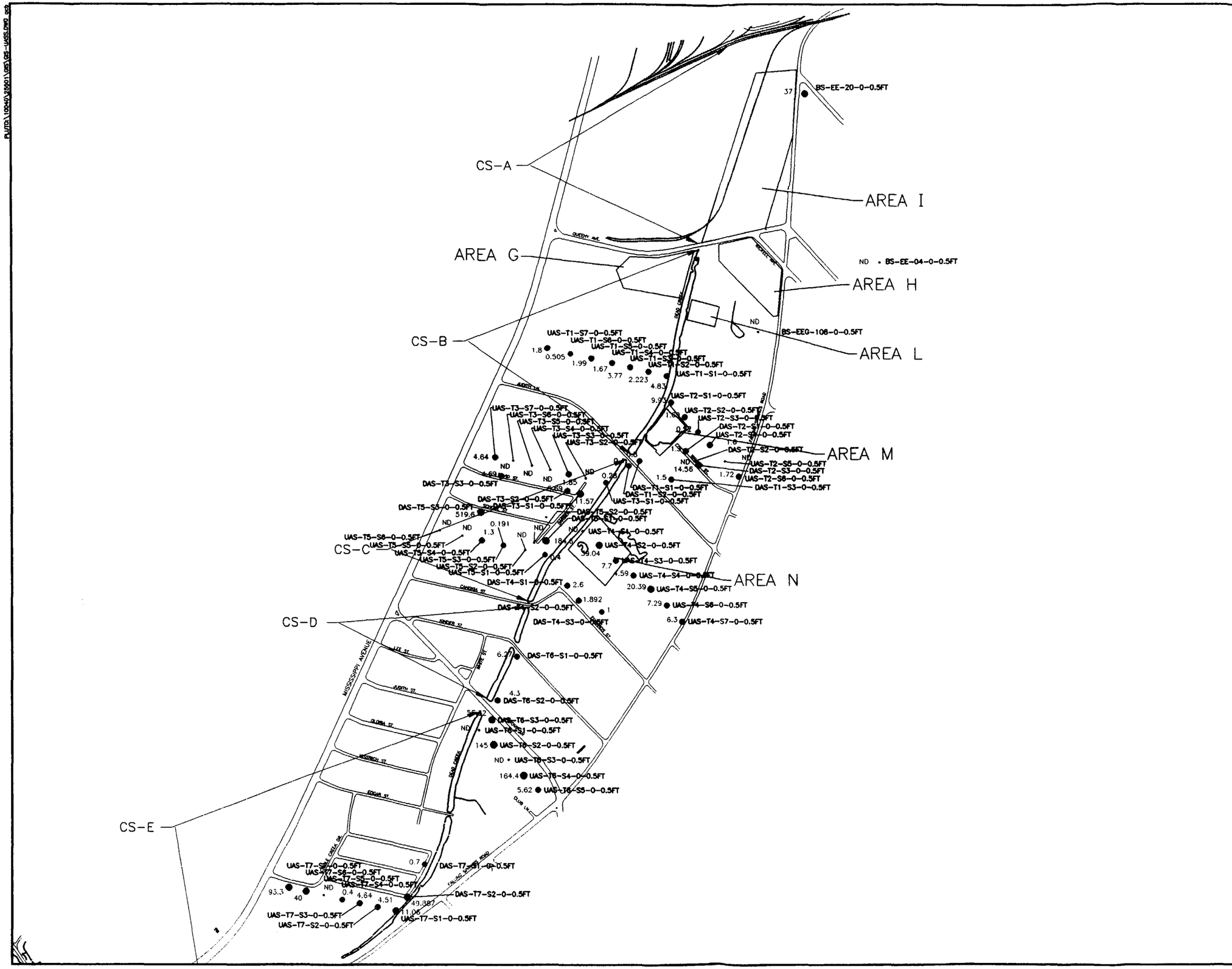
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0-0.5 ft.)
TOTAL PCBs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.C
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-4



LEGEND

- ND NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

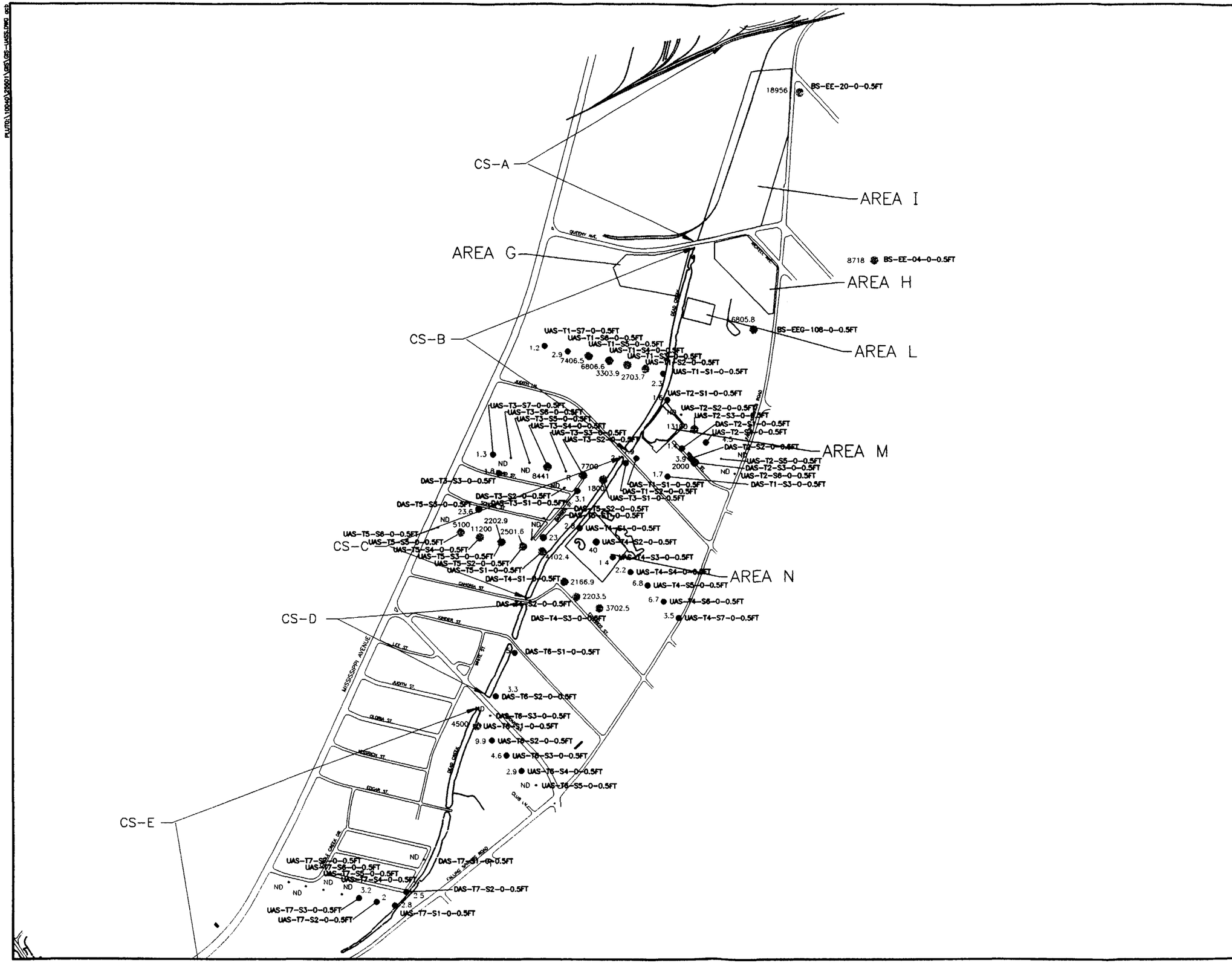
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
TOTAL PESTICIDES

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.D
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-5



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SAMPLE UAS-T3-S3 HERBICIDE RESULTS WERE DETERMINED TO BE UNUSABLE DURING DATA VALIDATION (R)

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

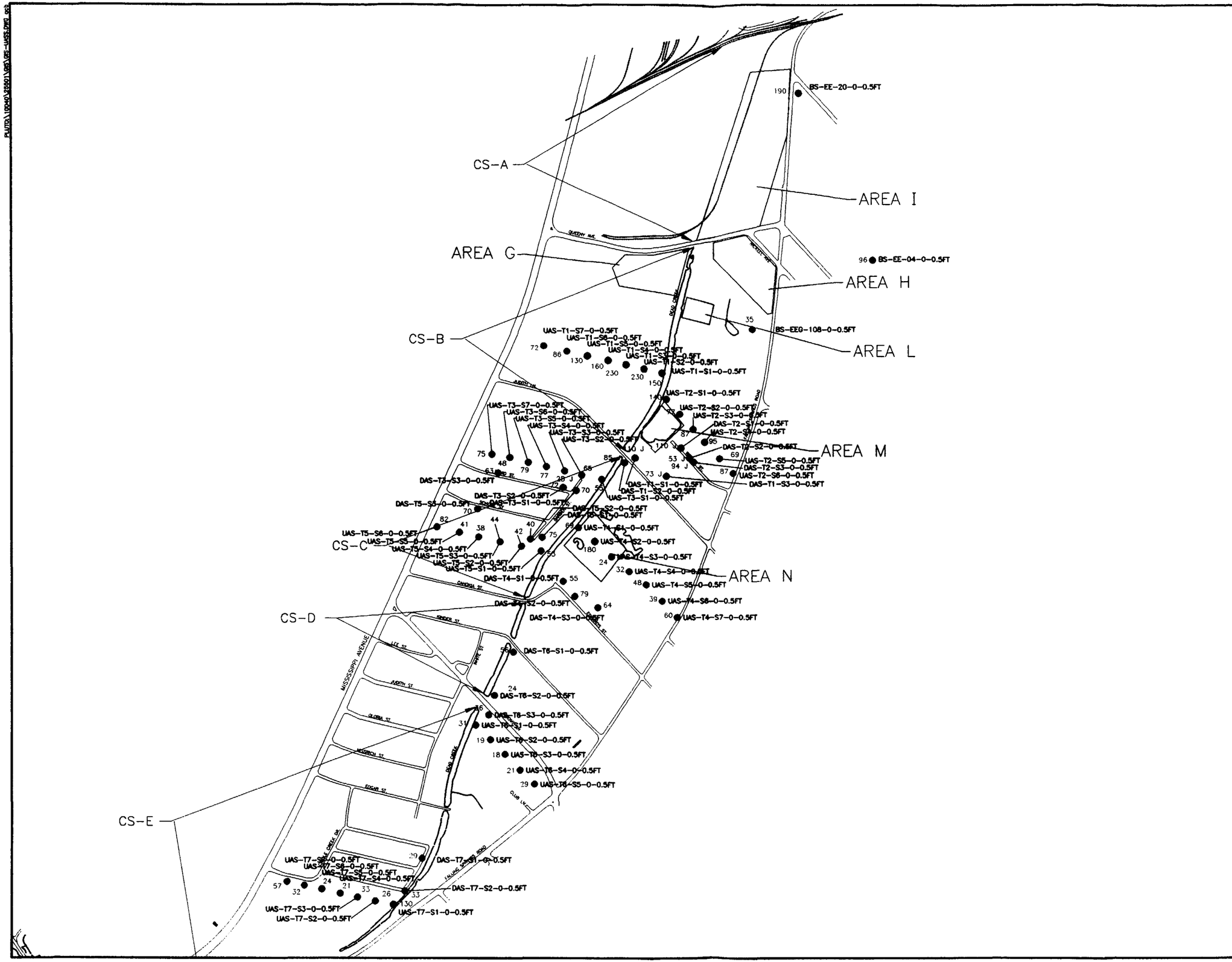
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
TOTAL HERBICIDES

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.E
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-6



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

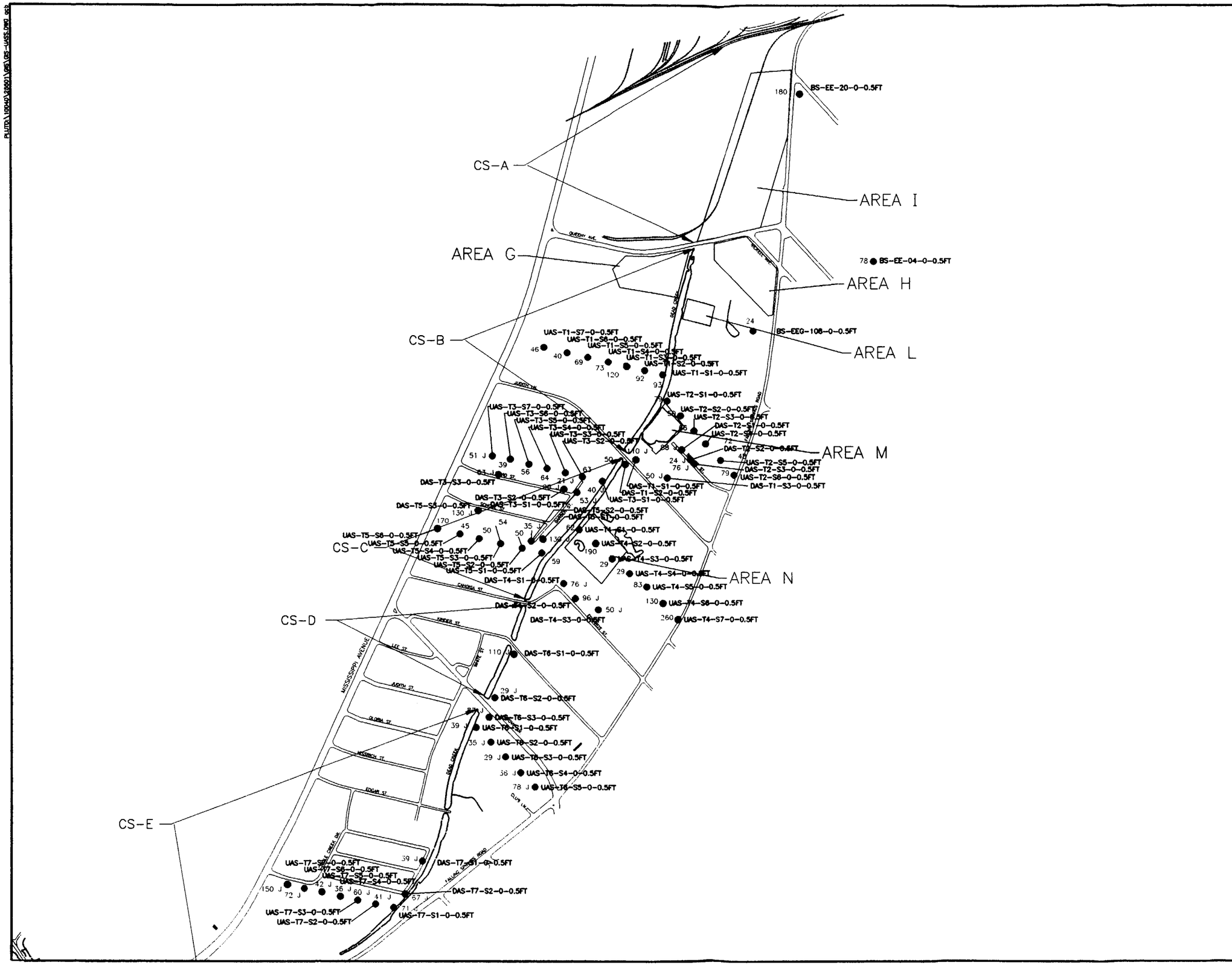
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
COPPER

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.F
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-7



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

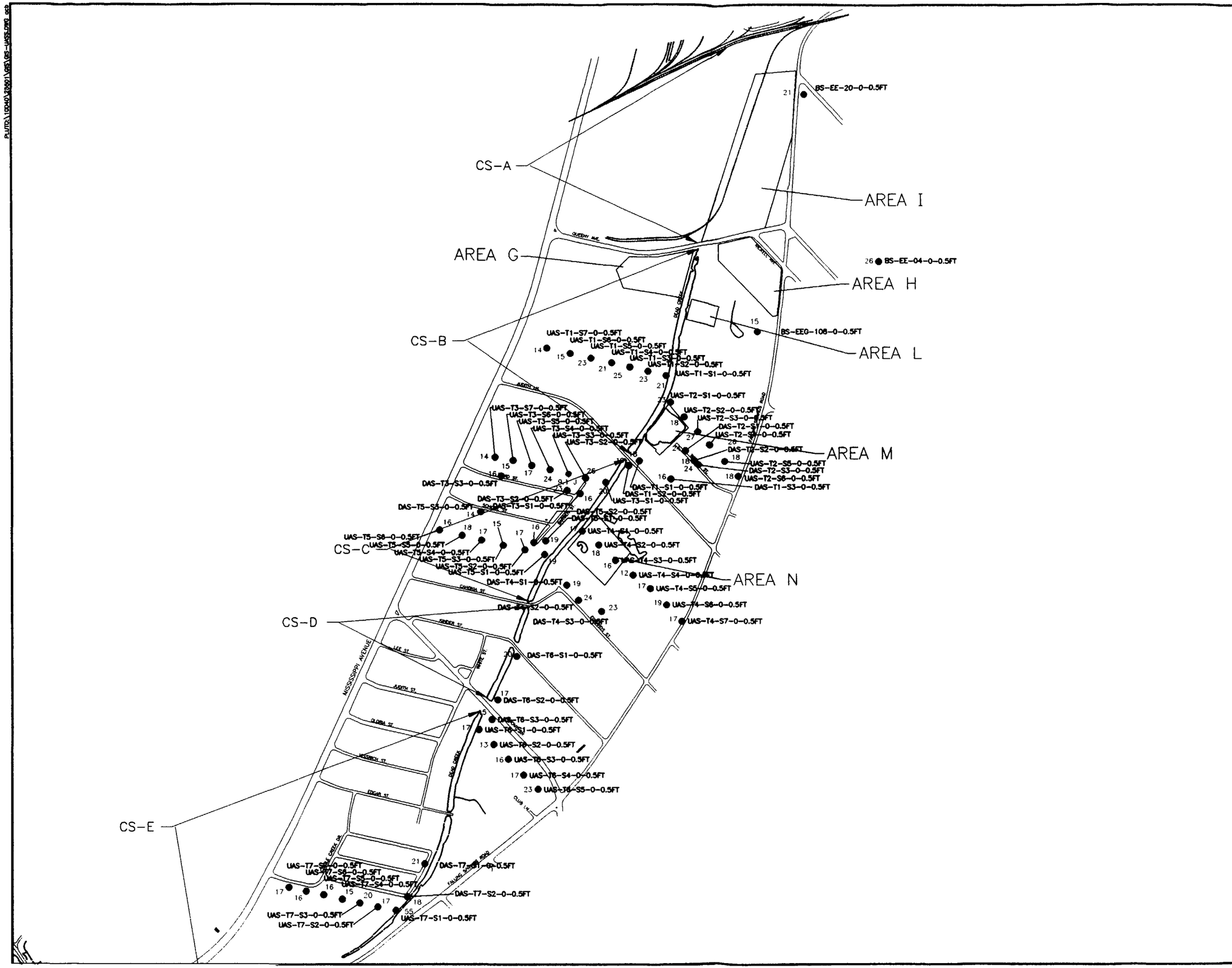
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
LEAD

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.G
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-8



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

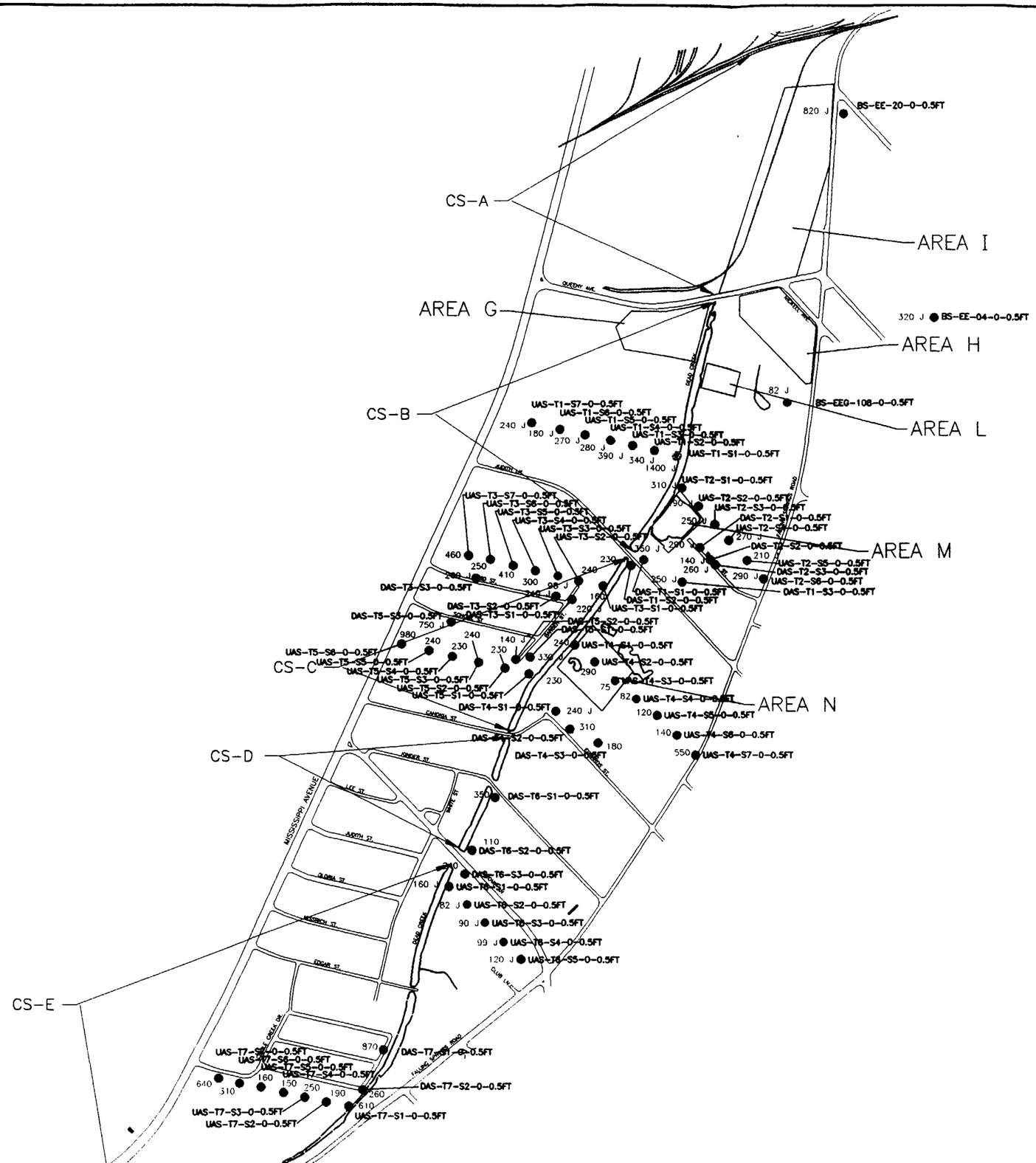
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
NICKEL

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.H
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-9



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

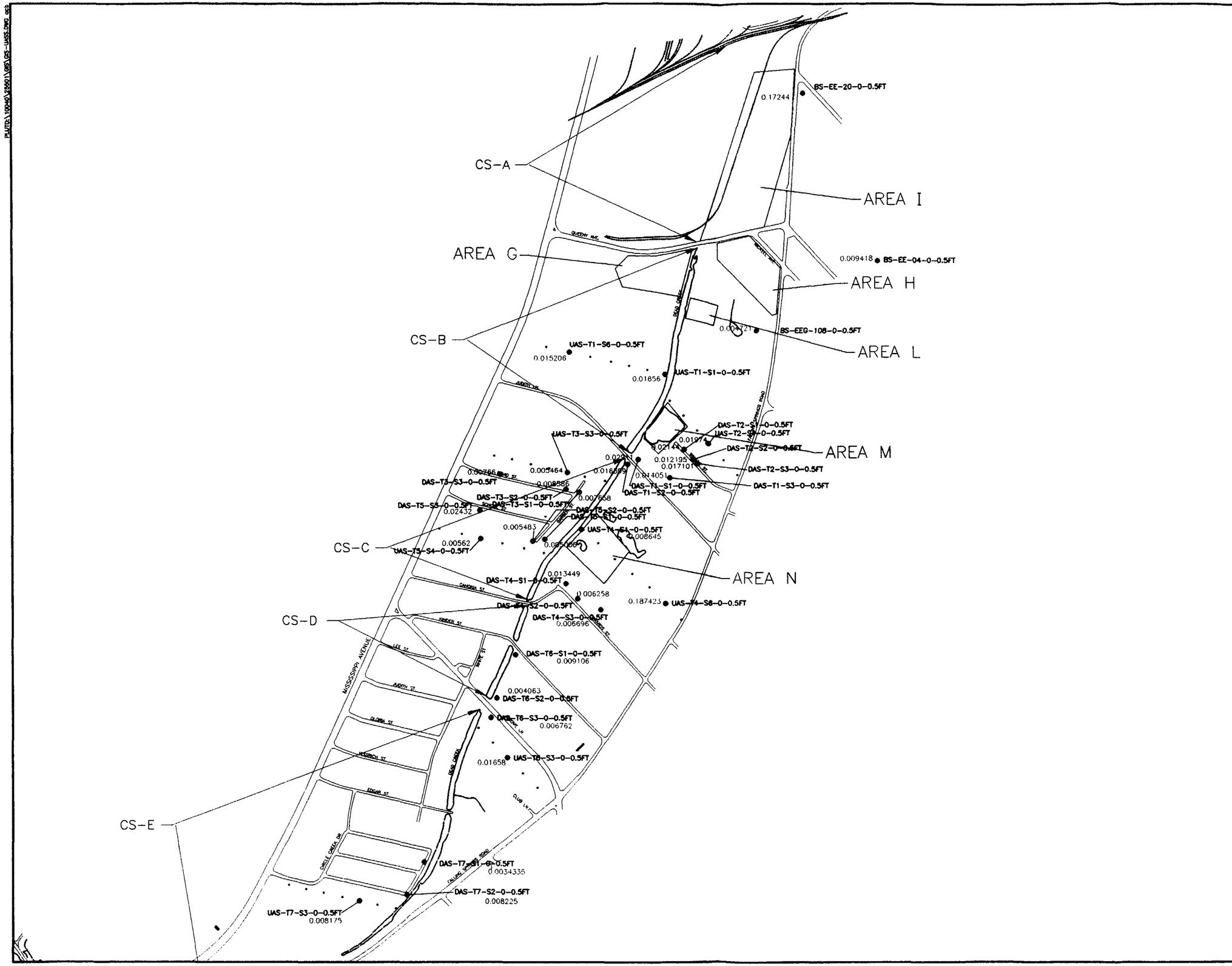
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
ZINC

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.I
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-10



LEGEND

- ● NOT DETECTED
- ● < 1
- ● 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ppb

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SURFACE SOIL (0–0.5 ft.)
PCDD/PCDF TEQs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASS.J
August 2000

O'BRIEN & GERE ENGINEERS, INC.

PLOTTED: 10/04/01 25501\GIS\GIS-UASS.DWG

Section 3

SECTION 3

Subsurface Soil

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	03/09/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
1,1,2,2-Tetrachloroethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
1,1,2-Trichloroethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
1,1-Dichloroethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
1,1-Dichloroethene	6 U	5.5 U	4.5 U	5.6 U	5.5 U	5.4 U	6.5 U
1,2-Dichloroethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
1,2-Dichloropropane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
2-Butanone (MEK)	32 U	30 U	24 U	30 U	30 U	25 J	35 U
2-Hexanone	32 U	30 U	24 U	30 U	30 U	29 U	35 U
4-Methyl-2-pentanone (MIBK)	32 U	30 U	24 U	30 U	30 U	29 U	35 U
Acetone	65 U	60 U	5.5 J	60 U	60 U	240 J	26 J
Benzene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Bromodichloromethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Bromoform	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Bromomethane	13 U	12 U	9.8 U	12 U	12 U	12 U	14 U
Carbon disulfide	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Carbon tetrachloride	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Chlorobenzene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Chloroethane	13 U	12 U	9.8 U	12 U	12 U	12 U	14 U
Chloroform	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Chloromethane	13 U	12 U	9.8 U	12 U	12 U	12 U	14 U
Cis/Trans-1,2-Dichloroethene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Dibromochloromethane	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Ethylbenzene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Methylene chloride (Dichloromethane)	6.5 U	6 U	1.4 J	6.0 U	6.0 U	5.8 U	7.0 U
Styrene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Tetrachloroethene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Toluene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Trichloroethene	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
Vinyl chloride	13 U	12 U	9.8 U	12 U	12 U	12 U	14 U
Xylenes, Total	6.5 U	6 U	4.9 U	6.0 U	6.0 U	5.8 U	7.0 U
cis-1,3-Dichloropropene	5.2 U	4.8 U	3.9 U	4.8 U	4.8 U	4.7 U	5.6 U
trans-1,3-Dichloropropene	5.2 U	4.8 U	3.9 U	4.8 U	4.8 U	4.7 U	5.6 U
Total VOCs	ND	ND	6.9	ND	ND	265	26

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
1,1,2,2-Tetrachloroethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
1,1,2-Trichloroethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
1,1-Dichloroethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
1,1-Dichloroethene	6.4 U	5.7 U	6.1 U	5.6 U	5.4 U	5.6 U	5.2 U
1,2-Dichloroethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
1,2-Dichloropropane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
2-Butanone (MEK)	35 U	30 J	33 U	31 U	30 U	30 U	28 U
2-Hexanone	35 U	31 U	33 U	31 U	30 U	30 U	28 U
4-Methyl-2-pentanone (MIBK)	35 U	31 U	33 U	31 U	30 U	30 U	28 U
Acetone	70 U	180	66 U	61 U	59 U	60 U	57 U
Benzene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Bromodichloromethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Bromoform	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Bromomethane	14 U	12 U	13 U	12 U	12 U	12 U	11 U
Carbon disulfide	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Carbon tetrachloride	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Chlorobenzene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Chloroethane	14 U	12 U	13 U	12 U	12 U	12 U	11 U
Chloroform	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Chloromethane	14 U	12 U	13 U	12 U	12 U	12 U	11 U
Cis/Trans-1,2-Dichloroethene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Dibromochloromethane	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Ethylbenzene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Methylene chloride (Dichloromethane)	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Styrene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Tetrachloroethene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Toluene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Trichloroethene	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
Vinyl chloride	14 U	12 U	13 U	12 U	12 U	12 U	11 U
Xylenes, Total	7.0 U	6.2 U	6.6 U	6.1 U	5.9 U	6.0 U	5.7 U
cis-1,3-Dichloropropene	5.6 U	5.0 U	5.3 U	4.9 U	4.7 U	4.8 U	4.5 U
trans-1,3-Dichloropropene	5.6 U	5.0 U	5.3 U	4.9 U	4.7 U	4.8 U	4.5 U
Total VOCs	ND	210	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
1,1,2,2-Tetrachloroethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
1,1,2-Trichloroethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
1,1-Dichloroethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
1,1-Dichloroethene	5.6 U	6.0 U	5.5 U	5.1 U	5.9 U	5.3 U	5.9 U
1,2-Dichloroethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
1,2-Dichloropropane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
2-Butanone (MEK)	31 U	32 U	30 U	28 U	32 U	29 U	32 U
2-Hexanone	31 U	32 U	30 U	28 U	32 U	29 U	32 U
4-Methyl-2-pentanone (MIBK)	31 U	32 U	30 U	28 U	32 U	29 U	32 U
Acetone	61 U	25 J	220	55 U	64 U	58 U	64 U
Benzene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Bromodichloromethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Bromoform	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Bromomethane	12 U	13 U	12 U	11 U	13 U	12 U	13 U
Carbon disulfide	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Carbon tetrachloride	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Chlorobenzene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Chloroethane	12 U	13 U	12 U	11 U	13 U	12 U	13 U
Chloroform	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Chloromethane	12 U	13 U	12 U	11 U	13 U	12 U	13 U
Cis/Trans-1,2-Dichloroethene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Dibromochloromethane	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Ethylbenzene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Methylene chloride (Dichloromethane)	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Styrene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Tetrachloroethene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Toluene	6.1 U	4.8 J	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Trichloroethene	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
Vinyl chloride	12 U	13 U	12 U	11 U	13 U	12 U	13 U
Xylenes, Total	6.1 U	6.5 U	6.0 U	5.5 U	6.4 U	5.8 U	6.4 U
cis-1,3-Dichloropropene	4.9 U	5.2 U	4.8 U	4.4 U	5.1 U	4.6 U	5.2 U
trans-1,3-Dichloropropene	4.9 U	5.2 U	4.8 U	4.4 U	5.1 U	4.6 U	5.2 U
Total VOCs	ND	29.8	220	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
1,1,2,2-Tetrachloroethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
1,1,2-Trichloroethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
1,1-Dichloroethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
1,1-Dichloroethene	5.1 U	4.8 U	5.5 U	5.2 U	6.6 U	6.3 U	5.7 U
1,2-Dichloroethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
1,2-Dichloropropane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
2-Butanone (MEK)	28 U	26 U	34 U	28 U	36 U	34 U	31 U
2-Hexanone	28 U	26 U	30 U	28 U	36 U	34 U	31 U
4-Methyl-2-pentanone (MIBK)	28 U	26 U	30 U	28 U	36 U	34 U	31 U
Acetone	56 U	40 J	310	140	72 U	69 U	62 U
Benzene	5.6 U	3.0 J	3.2 J	2.5 J	7.2 U	6.9 U	6.2 U
Bromodichloromethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Bromoform	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Bromomethane	11 U	10 U	12 U	11 U	14 U	14 U	12 U
Carbon disulfide	5.6 U	5.2 U	4.9 J	7.8	7.2 U	6.9 U	6.2 U
Carbon tetrachloride	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Chlorobenzene	5.6 U	5.2 U	5.9 U	10	7.2 U	6.9 U	6.2 U
Chloroethane	11 U	10 U	12 U	11 U	14 U	14 U	12 U
Chloroform	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Chloromethane	11 U	10 U	12 U	11 U	14 U	14 U	12 U
Cis/Trans-1,2-Dichloroethene	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Dibromochloromethane	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Ethylbenzene	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Methylene chloride (Dichloromethane)	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	2.4 J	6.2 U
Styrene	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Tetrachloroethene	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
Toluene	5.6 U	6.6	5.4 J	5.7 U	7.2 U	6.9 U	6.2 U
Trichloroethene	5.6 U	5.2 U	5.9 U	5.7 U	7.2 U	6.9 U	4.9 J
Vinyl chloride	11 U	10 U	12 U	11 U	14 U	14 U	12 U
Xylenes, Total	5.6 U	4.3 J	5.9 U	5.7 U	7.2 U	6.9 U	6.2 U
cis-1,3-Dichloropropene	4.5 U	4.2 U	4.7 U	4.5 U	5.7 U	5.5 U	4.9 U
trans-1,3-Dichloropropene	4.5 U	4.2 U	4.7 U	4.5 U	5.7 U	5.5 U	4.9 U
Total VOCs	ND	53.9	323.5	160.3	ND	2.4	4.9

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
1,1,2,2-Tetrachloroethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
1,1,2-Trichloroethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
1,1-Dichloroethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
1,1-Dichloroethene	8.9 U	4.5 U	5.4 U	5.2 U	5.0 U	6.0 U	5.0 U
1,2-Dichloroethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
1,2-Dichloropropane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
2-Butanone (MEK)	48 U	24 U	29 U	28 U	25 U	33 U	27 U
2-Hexanone	48 U	24 U	29 U	28 U	25 U	33 U	27 U
4-Methyl-2-pentanone (MIBK)	48 U	24 U	29 U	28 U	25 U	33 U	27 U
Acetone	97 U	48 U	59 U	56 U	50 U	65 U	55 U
Benzene	9.7 U	4.8 U	5.9 U	5.6 U	1.2 U	6.5 U	5.5 U
Bromodichloromethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Bromoform	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Bromomethane	19 U	9.7 U	12 U	11 U	9.8 U	13 U	11 U
Carbon disulfide	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Carbon tetrachloride	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Chlorobenzene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Chloroethane	19 U	9.7 U	12 U	11 U	10 U	13 U	11 U
Chloroform	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Chloromethane	19 U	9.7 U	12 U	11 U	10 U	13 U	11 U
Cis/Trans-1,2-Dichloroethene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Dibromochloromethane	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Ethylbenzene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Methylene chloride (Dichloromethane)	9.7 U	4.8 U	5.9 U	5.6 U	4.7 U	6.5 U	5.5 U
Styrene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Tetrachloroethene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Toluene	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
Trichloroethene	7.4 J	2.8 J	5.9 U	5.6 U	2.7 U	6.5 U	5.5 U
Vinyl chloride	19 U	9.7 U	12 U	11 U	10 U	13 U	11 U
Xylenes, Total	9.7 U	4.8 U	5.9 U	5.6 U	5.0 U	6.5 U	5.5 U
cis-1,3-Dichloropropene	7.8 U	3.9 U	4.7 U	4.5 U	1.0 U	5.2 U	4.4 U
trans-1,3-Dichloropropene	7.8 U	3.9 U	4.7 U	4.5 U	5.0 U	5.2 U	4.4 U
Total VOCs	7.4	2.8	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
1,1,2,2-Tetrachloroethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
1,1,2-Trichloroethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
1,1-Dichloroethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
1,1-Dichloroethene	5.9 U	5.0 U	6.5 U	7.9 U	4.8 U	6.9 U	5.8 U
1,2-Dichloroethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
1,2-Dichloropropane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
2-Butanone (MEK)	32 U	27 U	35 U	43 U	26 U	38 U	32 U
2-Hexanone	32 U	27 U	35 U	43 U	26 U	38 U	32 U
4-Methyl-2-pentanone (MIBK)	32 U	27 U	35 U	43 U	26 U	38 U	32 U
Acetone	64 U	54 U	70 UJ	86 U	52 U	75 U	63 U
Benzene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Bromodichloromethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Bromoform	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Bromomethane	13 U	11 U	14 U	17 U	10 U	15 U	13 U
Carbon disulfide	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Carbon tetrachloride	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Chlorobenzene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Chloroethane	13 U	11 U	14 U	17 U	10 U	15 U	13 U
Chloroform	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Chloromethane	13 U	11 U	14 U	17 U	10 U	15 U	13 U
Cis/Trans-1,2-Dichloroethene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Dibromochloromethane	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Ethylbenzene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Methylene chloride (Dichloromethane)	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Styrene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Tetrachloroethene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Toluene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Trichloroethene	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
Vinyl chloride	13 U	11 U	14 U	17 U	10 U	15 U	13 U
Xylenes, Total	6.4 U	5.4 U	7.0 U	8.6 U	5.2 U	7.5 U	6.3 U
cis-1,3-Dichloropropene	5.1 U	4.3 U	5.6 U	6.8 U	4.2 U	6.0 U	5.1 U
trans-1,3-Dichloropropene	5.1 U	4.3 U	5.6 U	6.8 U	4.2 U	6.0 U	5.1 U
Total VOCs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
1,1,1-Trichloroethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
1,1,2,2-Tetrachloroethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
1,1,2-Trichloroethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
1,1-Dichloroethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
1,1-Dichloroethene	6.1 U	5.0 U	5.5 U	4.5 U	5.6 U	6.5 U	5.0 U
1,2-Dichloroethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
1,2-Dichloropropane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
2-Butanone (MEK)	33 U	27 U	30 U	24 J	30 U	35 U	25 U
2-Hexanone	33 U	27 U	30 U	24 U	30 U	35 U	25 U
4-Methyl-2-pentanone (MIBK)	33 U	27 U	30 U	24 U	30 U	35 U	25 U
Acetone	66 U	54 U	60 U	180	61 U	70 U	50 U
Benzene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	1.2 U
Bromodichloromethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Bromoform	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Bromomethane	13 U	11 U	12 U	9.7 U	12 U	14 U	9.8 U
Carbon disulfide	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Carbon tetrachloride	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Chlorobenzene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Chloroethane	13 U	11 U	12 U	9.7 U	12 U	14 U	10 U
Chloroform	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Chloromethane	13 U	11 U	12 U	9.7 U	12 U	14 U	10 U
Cis/Trans-1,2-Dichloroethene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Dibromochloromethane	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Ethylbenzene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Methylene chloride (Dichloromethane)	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	0.54 J
Styrene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Tetrachloroethene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Toluene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
Trichloroethene	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	2.7 U
Vinyl chloride	13 U	11 U	12 U	9.7 U	12 U	14 U	10 U
Xylenes, Total	6.6 U	5.4 U	6.0 U	4.9 U	6.1 U	7.0 U	5.0 U
cis-1,3-Dichloropropene	5.3 U	4.3 U	4.8 U	3.9 U	4.9 U	5.6 U	1.0 U
trans-1,3-Dichloropropene	5.3 U	4.3 U	4.8 U	3.9 U	4.9 U	5.6 U	5.0 U
Total VOCs	ND	ND	ND	204	ND	ND	0.54

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
1,1,2,2-Tetrachloroethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
1,1,2-Trichloroethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
1,1-Dichloroethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
1,1-Dichloroethene	6.9 U	5.7 U	5.2 U	4.1 U	4.5 U	5.6 U	5.3 U
1,2-Dichloroethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
1,2-Dichloropropane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
2-Butanone (MEK)	38 U	31 U	28 U	22 U	5.7 J	30 U	29 U
2-Hexanone	38 U	31 U	28 U	22 U	24 U	30 U	29 U
4-Methyl-2-pentanone (MIBK)	38 U	31 U	28 U	22 U	24 U	30 U	29 U
Acetone	7.2 J	36 J	56 U	45 U	86	60 U	57 U
Benzene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Bromodichloromethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Bromoform	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Bromomethane	15 U	12 U	11 U	8.9 U	9.7 U	12 U	11 U
Carbon disulfide	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Carbon tetrachloride	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Chlorobenzene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Chloroethane	15 U	12 U	11 U	8.9 U	9.7 U	12 U	11 U
Chloroform	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Chloromethane	15 U	12 U	11 U	8.9 U	9.7 U	12 U	11 U
Cis/Trans-1,2-Dichloroethene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Dibromochloromethane	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Ethylbenzene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Methylene chloride (Dichloromethane)	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Styrene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Tetrachloroethene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Toluene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Trichloroethene	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
Vinyl chloride	15 U	12 U	11 U	8.9 U	9.7 U	12 U	11 U
Xylenes, Total	7.5 U	6.2 U	5.6 U	4.5 U	4.9 U	6.0 U	5.7 U
cis-1,3-Dichloropropene	6.0 U	4.9 U	4.5 U	3.6 U	3.9 U	4.8 U	4.6 U
trans-1,3-Dichloropropene	6.0 U	4.9 U	4.5 U	3.6 U	3.9 U	4.8 U	4.6 U
Total VOCs	7.2	36	ND	ND	91.7	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
1,1,1-Trichloroethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
1,1,2-Trichloroethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
1,1-Dichloroethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
1,1-Dichloroethene	5.4 U	5.9 U	5.9 U	5.6 U	4.4 U	5.6 U	5.0 U
1,2-Dichloroethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
1,2-Dichloropropane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
2-Butanone (MEK)	29 U	32 U	32 U	31 U	13 J	30 U	25 U
2-Hexanone	29 U	32 U	32 U	31 U	24 U	30 U	25 U
4-Methyl-2-pentanone (MIBK)	29 U	32 U	32 U	31 U	24 U	30 U	25 U
Acetone	58 U	64 U	64 U	61 U	140	60 U	50 U
Benzene	5.8 U	6.4 U	6.4 U	6.1 U	0.98 J	6.0 U	1.2 U
Bromodichloromethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Bromoform	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Bromomethane	12 U	13 U	13 U	12 U	9.6 U	12 U	9.8 U
Carbon disulfide	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Carbon tetrachloride	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Chlorobenzene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Chloroethane	12 U	13 U	13 U	12 U	9.6 U	12 U	10 U
Chloroform	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Chloromethane	12 U	13 U	13 U	12 U	9.6 U	12 U	10 U
Cis/Trans-1,2-Dichloroethene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Dibromochloromethane	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Ethylbenzene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Methylene chloride (Dichloromethane)	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	0.53 J
Styrene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Tetrachloroethene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
Toluene	5.8 U	6.4 U	6.4 U	6.1 U	1.8 J	6.0 U	5.0 U
Trichloroethene	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	2.7 U
Vinyl chloride	12 U	13 U	13 U	12 U	9.6 U	12 U	10 U
Xylenes, Total	5.8 U	6.4 U	6.4 U	6.1 U	4.8 U	6.0 U	5.0 U
cis-1,3-Dichloropropene	4.7 U	5.1 U	5.2 U	4.9 U	3.8 U	4.8 U	1.0 U
trans-1,3-Dichloropropene	4.7 U	5.1 U	5.2 U	4.9 U	3.8 U	4.8 U	5.0 U
Total VOCs	ND	ND	ND	ND	155.78	ND	0.53

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
1,1,2,2-Tetrachloroethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
1,1,2-Trichloroethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
1,1-Dichloroethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
1,1-Dichloroethene	5.0 U	4.7 U	7.6 U	5.2 U	6.0 U	5.0 U	4.4 U
1,2-Dichloroethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
1,2-Dichloropropane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
2-Butanone (MEK)	27 U	26 U	41 U	28 U	33 U	25 U	24 U
2-Hexanone	27 U	26 U	41 U	3.5 J	33 U	25 U	24 U
4-Methyl-2-pentanone (MIBK)	27 U	26 U	41 U	28 U	33 U	25 U	24 U
Acetone	54 U	51 U	83 U	56 U	65 U	50 U	48 U
Benzene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	1.2 U	4.8 U
Bromodichloromethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Bromoform	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Bromomethane	11 U	10 U	16 U	11 U	13 U	9.8 U	9.6 U
Carbon disulfide	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Carbon tetrachloride	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Chlorobenzene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Chloroethane	11 U	10 U	16 U	11 U	13 U	10 U	9.6 U
Chloroform	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Chloromethane	11 U	10 U	16 U	11 U	13 U	10 U	9.6 U
Cis/Trans-1,2-Dichloroethene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Dibromochloromethane	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Ethylbenzene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Methylene chloride (Dichloromethane)	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	1.7 J	4.8 U
Styrene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Tetrachloroethene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
Toluene	5.4 U	5.1 U	8.3 U	5.6 U	2.8 J	5.0 U	4.8 U
Trichloroethene	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	2.7 U	4.8 U
Vinyl chloride	11 U	10 U	16 U	11 U	13 U	10 U	9.6 U
Xylenes, Total	5.4 U	5.1 U	8.3 U	5.6 U	6.5 U	5.0 U	4.8 U
cis-1,3-Dichloropropene	4.3 U	4.1 U	6.6 U	4.5 U	5.2 U	1.0 U	3.8 U
trans-1,3-Dichloropropene	4.3 U	4.1 U	6.6 U	4.5 U	5.2 U	5.0 U	3.8 U
Total VOCs	ND	ND	ND	3.5	2.8	1.7	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,1,1-Trichloroethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
1,1,2,2-Tetrachloroethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
1,1,2-Trichloroethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
1,1-Dichloroethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
1,1-Dichloroethene	5.3 U	5.9 U	7.5 U	5.7 U	6.6 U	5.0 U	6.2 U
1,2-Dichloroethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
1,2-Dichloropropane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
2-Butanone (MEK)	29 U	12 J	41 U	31 U	36 U	27 U	34 U
2-Hexanone	29 U	32 U	41 U	31 U	36 U	27 U	34 U
4-Methyl-2-pentanone (MIBK)	29 U	32 U	41 U	31 U	36 U	27 U	34 U
Acetone	57 U	140	81 U	62 U	71 U	54 U	68 U
Benzene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Bromodichloromethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Bromoform	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Bromomethane	11 U	13 U	16 U	12 U	14 U	11 U	14 U
Carbon disulfide	5.7 U	5.0 J	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Carbon tetrachloride	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Chlorobenzene	5.7 U	4.0 J	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Chloroethane	11 U	13 U	16 U	12 U	14 U	11 U	14 U
Chloroform	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Chloromethane	11 U	13 U	16 U	12 U	14 U	11 U	14 U
Cis/Trans-1,2-Dichloroethene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Dibromochloromethane	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Ethylbenzene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Methylene chloride (Dichloromethane)	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Styrene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Tetrachloroethene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Toluene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Trichloroethene	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
Vinyl chloride	11 U	13 U	16 U	12 U	14 U	11 U	14 U
Xylenes, Total	5.7 U	6.4 U	8.1 U	6.2 U	7.1 U	5.4 U	6.8 U
cis-1,3-Dichloropropene	4.6 U	5.1 U	6.5 U	4.9 U	5.7 U	4.4 U	5.4 U
trans-1,3-Dichloropropene	4.6 U	5.1 U	6.5 U	4.9 U	5.7 U	4.4 U	5.4 U
Total VOCs	ND	161	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-1
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8260B Volatile Organic Compound Data

Compound	Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
	Sample Date	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/l	ug/kg dw
1,1,1-Trichloroethane		6.4 U	5.0 U	6.6 U
1,1,2,2-Tetrachloroethane		6.4 U	5.0 U	6.6 U
1,1,2-Trichloroethane		6.4 U	5.0 U	6.6 U
1,1-Dichloroethane		6.4 U	5.0 U	6.6 U
1,1-Dichloroethene		5.9 U	5.0 U	6.1 U
1,2-Dichloroethane		6.4 U	5.0 U	6.6 U
1,2-Dichloropropane		6.4 U	5.0 U	6.6 U
2-Butanone (MEK)		32 U	25 U	7.0 J
2-Hexanone		32 U	25 U	33 U
4-Methyl-2-pentanone (MIBK)		32 U	25 U	33 U
Acetone		64 U	50 U	66 U
Benzene		6.4 U	1.2 U	6.6 U
Bromodichloromethane		6.4 U	5.0 U	6.6 U
Bromoform		6.4 U	5.0 U	6.6 U
Bromomethane		13 U	9.8 U	13 U
Carbon disulfide		6.4 U	5.0 U	6.6 U
Carbon tetrachloride		6.4 U	5.0 U	6.6 U
Chlorobenzene		6.4 U	5.0 U	6.6 U
Chloroethane		13 U	10 U	13 U
Chloroform		6.4 U	5.0 U	6.6 U
Chloromethane		13 U	10 U	13 U
Cis/Trans-1,2-Dichloroethene		6.4 U	5.0 U	6.6 U
Dibromochloromethane		6.4 U	5.0 U	6.6 U
Ethylbenzene		6.4 U	5.0 U	6.6 U
Methylene chloride (Dichloromethane)		6.4 U	4.7 U	6.6 U
Styrene		6.4 U	5.0 U	6.6 U
Tetrachloroethene		6.4 U	5.0 U	6.6 U
Toluene		6.4 U	2.4 J	6.6 U
Trichloroethene		6.4 U	2.7 U	6.6 U
Vinyl chloride		13 U	10 U	13 U
Xylenes, Total		6.4 U	5.0 U	6.6 U
cis-1,3-Dichloropropene		5.1 U	1.0 U	5.3 U
trans-1,3-Dichloropropene		5.1 U	5.0 U	5.3 U
Total VOCs		ND	2.4	7

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
1,2-Dichlorobenzene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
1,3-Dichlorobenzene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
1,4-Dichlorobenzene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,2'-Oxybis(1-Chloropropane)	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,4,5-Trichlorophenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,4,6-Trichlorophenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,4-Dichlorophenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,4-Dinitrophenol	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
2,4-Dinitrotoluene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2,6-Dinitrotoluene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2-Chloronaphthalene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2-Chlorophenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2-Methylnaphthalene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2-Methylphenol (o-cresol)	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
2-Nitroaniline	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
2-Nitrophenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
3,3'-Dichlorobenzidine	430 U	390 U	410 UJ	380 U	380 U	420 U	370 U
3-Methylphenol/4-Methylphenol	220 U	200 U	410 UJ	200 U	200 U	220 U	190 U
3-Nitroaniline	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
4,6-Dinitro-2-methylphenol	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
4-Bromophenylphenyl ether	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
4-Chloro-3-methylphenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
4-Chloroaniline	430 U	390 U	410 UJ	380 U	380 U	420 U	370 U
4-Chlorophenylphenyl ether	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
4-Nitroaniline	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
4-Nitrophenol	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
Acenaphthene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Acenaphthylene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Anthracene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Benzo(a)anthracene	220 U	200 U	26 J	200 U	200 U	220 U	190 U
Benzo(a)pyrene	120 U	110 U	110 UJ	100 U	100 U	120 U	100 U
Benzo(b)fluoranthene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Benzo(g,h,i)perylene	220 U	200 U	34 J	200 U	200 U	220 U	190 U
Benzo(k)fluoranthene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Carbazole	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Chrysene	220 U	200 U	42 J	200 U	200 U	220 U	190 U
Di-n-butylphthalate	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Di-n-octylphthalate	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Dibenzo(a,h)anthracene	120 U	110 U	110 UJ	100 U	100 U	120 U	100 U
Dibenzofuran	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Diethylphthalate	110 J	63 J	210 UJ	200 U	200 U	220 U	190 U
Dimethylphthalate	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Fluoranthene	220 U	200 U	42 J	200 U	200 U	220 U	190 U
Fluorene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Hexachlorobenzene	91 U	83 U	87 UJ	81 U	80 U	90 U	79 U
Hexachlorobutadiene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Hexachlorocyclopentadiene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Hexachloroethane	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Indeno(1,2,3-cd)pyrene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Isophorone	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
N-Nitroso-di-n-propylamine	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
N-Nitrosodiphenylamine	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Naphthalene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Nitrobenzene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Pentachlorophenol	1100 U	1000 U	1000 UJ	990 U	980 U	1100 U	960 U
Phenanthrene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Phenol	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Pyrene	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
bis(2-Chloroethoxy)methane	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
bis(2-Chloroethyl)ether	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
bis(2-Ethylhexyl)phthalate	220 U	200 U	210 UJ	200 U	200 U	220 U	190 U
Total Semivolatiles	110	63	144	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
1,2-Dichlorobenzene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
1,3-Dichlorobenzene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
1,4-Dichlorobenzene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,2'-Oxybis(1-Chloropropane)	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,4,5-Trichlorophenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,4,6-Trichlorophenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,4-Dichlorophenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,4-Dinitrophenol	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
2,4-Dinitrotoluene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2,6-Dinitrotoluene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2-Chloronaphthalene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2-Chlorophenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2-Methylnaphthalene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2-Methylphenol (o-cresol)	180 U	190 U	190 U	220 U	190 U	210 U	220 U
2-Nitroaniline	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
2-Nitrophenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
3,3'-Dichlorobenzidine	350 U	360 U	370 U	430 U	360 U	410 U	430 U
3-Methylphenol/4-Methylphenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
3-Nitroaniline	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
4,6-Dinitro-2-methylphenol	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
4-Bromophenylphenyl ether	180 U	190 U	190 U	220 U	190 U	210 U	220 U
4-Chloro-3-methylphenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
4-Chloroaniline	350 U	360 U	370 U	430 U	360 U	410 U	430 U
4-Chlorophenylphenyl ether	180 U	190 U	190 U	220 U	190 U	210 U	220 U
4-Nitroaniline	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
4-Nitrophenol	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
Acenaphthene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Acenaphthylene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Anthracene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Benzo(a)anthracene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Benzo(a)pyrene	96 U	99 U	100 U	120 U	100 U	110 U	120 U
Benzo(b)fluoranthene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Benzo(g,h,i)perylene	180 U	190 U	190 U	110 J	70 J	77 J	74 J
Benzo(k)fluoranthene	180 U	190 U	190 U	220 U	190 U	210 U	220 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Carbazole	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Chrysene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Di-n-butylphthalate	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Di-n-octylphthalate	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Dibenzo(a,h)anthracene	96 U	99 U	100 U	87 J	100 U	110 U	120 U
Dibenzofuran	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Diethylphthalate	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Dimethylphthalate	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Fluoranthene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Fluorene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Hexachlorobenzene	74 U	77 U	78 U	91 U	78 U	86 U	92 U
Hexachlorobutadiene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Hexachlorocyclopentadiene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Hexachloroethane	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Indeno(1,2,3-cd)pyrene	180 U	190 U	190 U	92 J	190 U	210 U	220 U
Isophorone	180 U	190 U	190 U	220 U	190 U	210 U	220 U
N-Nitroso-di-n-propylamine	180 U	190 U	190 U	220 U	190 U	210 U	220 U
N-Nitrosodiphenylamine	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Naphthalene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Nitrobenzene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Pentachlorophenol	900 U	930 U	940 U	1100 U	940 U	1000 U	1100 U
Phenanthrene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Phenol	180 U	190 U	190 U	220 U	190 U	210 U	220 U
Pyrene	180 U	190 U	190 U	220 U	190 U	210 U	220 U
bis(2-Chloroethoxy)methane	180 U	190 U	190 U	220 U	190 U	210 U	220 U
bis(2-Chloroethyl)ether	180 U	190 U	190 U	220 U	190 U	210 U	220 U
bis(2-Ethylhexyl)phthalate	180 U	190 U	190 U	88 J	57 J	72 J	63 J
Total Semivolatiles	ND	ND	ND	377	127	149	137

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
1,2-Dichlorobenzene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
1,3-Dichlorobenzene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
1,4-Dichlorobenzene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,2'-Oxybis(1-Chloropropane)	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,4,5-Trichlorophenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,4,6-Trichlorophenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,4-Dichlorophenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,4-Dinitrophenol	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
2,4-Dinitrotoluene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2,6-Dinitrotoluene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2-Chloronaphthalene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2-Chlorophenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2-Methylnaphthalene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2-Methylphenol (o-cresol)	220 U	200 U	220 U	200 U	190 U	190 U	190 U
2-Nitroaniline	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
2-Nitrophenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
3,3'-Dichlorobenzidine	420 U	390 U	430 U	390 U	360 U	360 U	370 U
3-Methylphenol/4-Methylphenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
3-Nitroaniline	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
4,6-Dinitro-2-methylphenol	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
4-Bromophenylphenyl ether	220 U	200 U	220 U	200 U	190 U	190 U	190 U
4-Chloro-3-methylphenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
4-Chloroaniline	420 U	390 U	430 U	390 U	360 U	360 U	370 U
4-Chlorophenylphenyl ether	220 U	200 U	220 U	200 U	190 U	190 U	190 U
4-Nitroaniline	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
4-Nitrophenol	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
Acenaphthene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Acenaphthylene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Anthracene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Benzo(a)anthracene	220 U	200 U	220 U	200 U	190 U	190 UJ	190 U
Benzo(a)pyrene	120 U	110 U	120 U	110 U	99 U	100 U	100 U
Benzo(b)fluoranthene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Benzo(g,h,i)perylene	51 J	200 U	220 U	200 U	30 J	190 U	190 U
Benzo(k)fluoranthene	220 U	200 U	220 U	200 U	190 U	190 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	220 U	200 U	220 U	200 U	190 U	190 UJ	190 U
Carbazole	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Chrysene	220 U	200 U	220 U	200 U	190 U	190 UJ	190 U
Di-n-butylphthalate	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Di-n-octylphthalate	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Dibenzo(a,h)anthracene	120 U	110 U	120 U	110 U	99 U	100 U	100 U
Dibenzofuran	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Diethylphthalate	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Dimethylphthalate	220 U	200 U	220 U	200 U	190 U	190 UJ	190 U
Fluoranthene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Fluorene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Hexachlorobenzene	90 U	83 U	91 U	83 U	77 U	78 U	79 U
Hexachlorobutadiene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Hexachloroethane	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Indeno(1,2,3-cd)pyrene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Isophorone	220 U	200 U	220 U	200 U	190 U	190 U	190 U
N-Nitroso-di-n-propylamine	220 U	200 U	220 U	200 U	190 U	190 U	190 U
N-Nitrosodiphenylamine	220 U	200 U	220 U	200 U	190 U	190 UJ	190 U
Naphthalene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Nitrobenzene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Pentachlorophenol	1100 U	1000 U	1100 U	1000 U	930 U	940 U	960 U
Phenanthrene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Phenol	220 U	200 U	220 U	200 U	190 U	190 U	190 U
Pyrene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
bis(2-Chloroethoxy)methane	220 U	200 U	220 U	200 U	190 U	190 U	190 U
bis(2-Chloroethyl)ether	220 U	200 U	220 U	200 U	190 U	190 U	190 U
bis(2-Ethylhexyl)phthalate	77 J	200 U	220 U	96 J	190 U	65 J	190 U
Total Semivolatiles	128	ND	ND	96	30	65	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
1,2-Dichlorobenzene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
1,3-Dichlorobenzene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
1,4-Dichlorobenzene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,2'-Oxybis(1-Chloropropane)	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,4,5-Trichlorophenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,4,6-Trichlorophenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,4-Dichlorophenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,4-Dinitrophenol	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
2,4-Dinitrotoluene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2,6-Dinitrotoluene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2-Chloronaphthalene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2-Chlorophenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2-Methylnaphthalene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2-Methylphenol (o-cresol)	200 U	190 U	220 U	220 U	200 U	210 U	220 U
2-Nitroaniline	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
2-Nitrophenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
3,3'-Dichlorobenzidine	380 U	370 U	420 U	430 U	390 U	410 U	440 U
3-Methylphenol/4-Methylphenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
3-Nitroaniline	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
4-Bromophenylphenyl ether	200 U	190 U	220 U	220 U	200 U	210 U	220 U
4-Chloro-3-methylphenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
4-Chloroaniline	380 U	370 U	420 U	430 U	390 U	410 U	440 U
4-Chlorophenylphenyl ether	200 U	190 U	220 U	220 U	200 U	210 U	220 U
4-Nitroaniline	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
4-Nitrophenol	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
Acenaphthene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Acenaphthylene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Anthracene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Benzo(a)anthracene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Benzo(a)pyrene	100 U	100 U	120 U	120 U	110 U	110 U	120 U
Benzo(b)fluoranthene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Benzo(g,h,i)perylene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Benzo(k)fluoranthene	200 U	190 U	220 U	220 U	200 U	210 U	220 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Carbazole	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Chrysene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Di-n-butylphthalate	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Di-n-octylphthalate	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Dibenzo(a,h)anthracene	100 U	100 U	120 U	120 U	110 U	110 U	120 U
Dibenzofuran	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Diethylphthalate	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Dimethylphthalate	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Fluoranthene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Fluorene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Hexachlorobenzene	80 U	78 U	90 U	92 U	84 U	87 U	93 U
Hexachlorobutadiene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Hexachlorocyclopentadiene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Hexachloroethane	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Indeno(1,2,3-cd)pyrene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Isophorone	200 U	190 U	220 U	220 U	200 U	210 U	220 U
N-Nitroso-di-n-propylamine	200 U	190 U	220 U	220 U	200 U	210 U	220 U
N-Nitrosodiphenylamine	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Naphthalene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Nitrobenzene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Pentachlorophenol	980 U	950 U	1100 U	1100 U	1000 U	1100 U	1100 U
Phenanthrene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Phenol	200 U	190 U	220 U	220 U	200 U	210 U	220 U
Pyrene	200 U	190 U	220 U	220 U	200 U	210 U	220 U
bis(2-Chloroethoxy)methane	200 U	190 U	220 U	220 U	200 U	210 U	220 U
bis(2-Chloroethyl)ether	200 U	190 U	220 U	220 U	200 U	210 U	220 U
bis(2-Ethylhexyl)phthalate	200 U	190 U	140 J	220 U	200 U	210 U	220 U
Total Semivolatiles	ND	ND	140	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
1,2-Dichlorobenzene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
1,3-Dichlorobenzene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
1,4-Dichlorobenzene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2,2'-Oxybis(1-Chloropropane)	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2,4,5-Trichlorophenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2,4,6-Trichlorophenol	180 U	180 U	200 U	200 U	2.1 U	200 U	180 U
2,4-Dichlorophenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2,4-Dinitrophenol	910 U	920 U	1000 U	990 U	14 U	990 U	900 U
2,4-Dinitrotoluene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2,6-Dinitrotoluene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2-Chloronaphthalene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2-Chlorophenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2-Methylnaphthalene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2-Methylphenol (o-cresol)	180 U	180 U	200 U	200 U	10 U	200 U	180 U
2-Nitroaniline	910 U	920 U	1000 U	990 U	50 U	990 U	900 U
2-Nitrophenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
3,3'-Dichlorobenzidine	360 U	360 U	400 U	380 U	20 U	380 U	350 U
3-Methylphenol/4-Methylphenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
3-Nitroaniline	910 U	920 U	1000 U	990 U	50 U	990 U	900 U
4,6-Dinitro-2-methylphenol	910 U	920 U	1000 U	990 U	13 U	990 U	900 U
4-Bromophenylphenyl ether	180 U	180 U	200 U	200 U	1.0 U	200 U	180 U
4-Chloro-3-methylphenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
4-Chloroaniline	360 U	360 U	400 U	380 U	20 U	380 U	350 U
4-Chlorophenylphenyl ether	180 U	180 U	200 U	200 U	10 U	200 U	180 U
4-Nitroaniline	910 U	920 U	1000 U	990 U	50 U	990 U	900 U
4-Nitrophenol	910 U	920 U	1000 U	990 U	50 U	990 U	900 U
Acenaphthene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Acenaphthylene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Anthracene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Benzo(a)anthracene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Benzo(a)pyrene	97 U	97 U	110 U	100 U	10 U	100 U	96 U
Benzo(b)fluoranthene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Benzo(g,h,i)perylene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Benzo(k)fluoranthene	180 U	180 U	200 U	200 U	10 U	200 U	180 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Carbazole	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Chrysene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Di-n-butylphthalate	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Di-n-octylphthalate	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Dibenzo(a,h)anthracene	97 U	97 U	110 U	100 U	10 U	100 U	96 U
Dibenzofuran	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Diethylphthalate	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Dimethylphthalate	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Fluoranthene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Fluorene	180 U	180 U	200 U	200 U	1.0 U	200 U	180 U
Hexachlorobenzene	75 U	76 U	84 U	82 U	10 U	82 U	74 U
Hexachlorobutadiene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Hexachlorocyclopentadiene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Hexachloroethane	180 U	180 U	200 U	200 U	1.9 U	200 U	180 U
Indeno(1,2,3-cd)pyrene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Isophorone	180 U	180 U	200 U	200 U	10 U	200 U	180 U
N-Nitroso-di-n-propylamine	180 U	180 U	200 U	200 U	10 U	200 U	180 U
N-Nitrosodiphenylamine	180 U	180 U	200 U	200 U	5.0 U	200 U	180 U
Naphthalene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Nitrobenzene	180 U	180 U	200 U	200 U	3.5 U	200 U	180 U
Pentachlorophenol	910 U	920 U	1000 U	990 U	5.0 U	990 U	900 U
Phenanthrene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Phenol	180 U	180 U	200 U	200 U	10 U	200 U	180 U
Pyrene	180 U	180 U	200 U	200 U	10 U	200 U	180 U
bis(2-Chloroethoxy)methane	180 U	180 U	200 U	200 U	10 U	200 U	180 U
bis(2-Chloroethyl)ether	180 U	180 U	200 U	200 U	10 U	200 U	180 U
bis(2-Ethylhexyl)phthalate	180 U	180 U	69 J	200	1.8 U	200 U	160 J
Total Semivolatiles	ND	ND	69	200	ND	ND	160

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	200 U	230 UJ	220 U	200 U	210 U	220 U
1,2-Dichlorobenzene	190 U	200 U	230 UJ	220 U	200 U	210 U	220 U
1,3-Dichlorobenzene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
1,4-Dichlorobenzene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,2'-Oxybis(1-Chloropropane)	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,4,5-Trichlorophenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,4,6-Trichlorophenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,4-Dichlorophenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,4-Dinitrophenol	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
2,4-Dinitrotoluene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2,6-Dinitrotoluene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2-Chloronaphthalene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2-Chlorophenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2-Methylnaphthalene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2-Methylphenol (o-cresol)	190 U	200 U	230 U	220 U	200 U	210 U	220 U
2-Nitroaniline	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
2-Nitrophenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
3,3'-Dichlorobenzidine	370 U	380 U	440 U	420 U	390 U	410 U	420 U
3-Methylphenol/4-Methylphenol	370 U	380 U	440 U	420 U	390 U	410 U	420 U
3-Nitroaniline	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
4,6-Dinitro-2-methylphenol	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
4-Bromophenylphenyl ether	190 U	200 U	230 UJ	220 U	200 U	210 U	220 U
4-Chloro-3-methylphenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
4-Chloroaniline	370 U	380 U	440 U	420 U	390 U	410 U	420 U
4-Chlorophenylphenyl ether	190 U	200 U	230 U	220 U	200 U	210 U	220 U
4-Nitroaniline	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
4-Nitrophenol	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
Acenaphthene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Acenaphthylene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Anthracene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Benzo(a)anthracene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Benzo(a)pyrene	100 U	100 U	120 U	110 U	110 U	110 U	110 U
Benzo(b)fluoranthene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Benzo(g,h,i)perylene	190 U	200 U	230 U	220 U	200 U	210 U	53 J
Benzo(k)fluoranthene	190 U	200 U	230 U	220 U	200 U	210 U	220 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Carbazole	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Chrysene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Di-n-butylphthalate	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Di-n-octylphthalate	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Dibenzo(a,h)anthracene	100 U	100 U	120 U	110 U	110 U	110 U	110 U
Dibenzofuran	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Diethylphthalate	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Dimethylphthalate	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Fluoranthene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Fluorene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Hexachlorobenzene	78 U	80 U	94 U	89 U	82 U	87 U	89 U
Hexachlorobutadiene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Hexachlorocyclopentadiene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Hexachloroethane	190 U	200 U	230 UJ	220 U	200 U	210 U	220 U
Indeno(1,2,3-cd)pyrene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Isophorone	190 U	200 U	230 U	220 U	200 U	210 U	220 U
N-Nitroso-di-n-propylamine	190 U	200 U	230 U	220 U	200 U	210 U	220 U
N-Nitrosodiphenylamine	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Naphthalene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Nitrobenzene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Pentachlorophenol	950 U	980 U	1100 U	1100 U	1000 U	1000 U	1100 U
Phenanthrene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Phenol	190 U	200 U	230 U	220 U	200 U	210 U	220 U
Pyrene	190 U	200 U	230 U	220 U	200 U	210 U	220 U
bis(2-Chloroethoxy)methane	190 U	200 U	230 U	220 U	200 U	210 U	220 U
bis(2-Chloroethyl)ether	190 U	200 U	230 U	220 U	200 U	210 U	220 U
bis(2-Ethylhexyl)phthalate	64 J	62 J	45 J	120 J	200 U	210 U	220 U
Total Semivolatiles	64	62	45	120	ND	ND	53

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
1,2,4-Trichlorobenzene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
1,2-Dichlorobenzene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
1,3-Dichlorobenzene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
1,4-Dichlorobenzene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2,2'-Oxybis(1-Chloropropane)	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2,4,5-Trichlorophenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2,4,6-Trichlorophenol	190 U	200 U	200 U	180 U	220 U	220 U	2.1 U
2,4-Dichlorophenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2,4-Dinitrophenol	970 U	990 U	1000 U	880 U	1100 U	1100 U	14 U
2,4-Dinitrotoluene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2,6-Dinitrotoluene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2-Chloronaphthalene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2-Chlorophenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2-Methylnaphthalene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2-Methylphenol (o-cresol)	190 U	200 U	200 U	180 U	220 U	220 U	10 U
2-Nitroaniline	970 U	990 U	1000 U	880 U	1100 U	1100 U	50 U
2-Nitrophenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
3,3'-Dichlorobenzidine	380 U	380 U	390 U	340 U	430 U	420 U	20 U
3-Methylphenol/4-Methylphenol	380 U	380 U	390 U	340 U	430 U	420 U	10 U
3-Nitroaniline	970 U	990 U	1000 U	880 U	1100 U	1100 U	50 U
4,6-Dinitro-2-methylphenol	970 U	990 U	1000 U	880 U	1100 U	1100 U	13 U
4-Bromophenylphenyl ether	190 U	200 U	200 U	180 U	220 U	220 U	1.0 U
4-Chloro-3-methylphenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
4-Chloroaniline	380 U	380 U	390 U	340 U	430 U	420 U	20 U
4-Chlorophenylphenyl ether	190 U	200 U	200 U	180 U	220 U	220 U	10 U
4-Nitroaniline	970 U	990 U	1000 U	880 U	1100 U	1100 U	50 U
4-Nitrophenol	970 U	990 U	1000 U	880 U	1100 U	1100 U	50 U
Acenaphthene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Acenaphthylene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Anthracene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Benzo(a)anthracene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Benzo(a)pyrene	100 U	100 U	110 U	93 U	120 U	120 U	10 U
Benzo(b)fluoranthene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Benzo(g,h,i)perylene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Benzo(k)fluoranthene	190 U	200 U	200 U	180 U	220 U	220 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
Butylbenzylphthalate	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Carbazole	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Chrysene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Di-n-butylphthalate	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Di-n-octylphthalate	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Dibenzo(a,h)anthracene	100 U	100 U	110 U	93 U	120 U	120 U	10 U
Dibenzofuran	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Diethylphthalate	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Dimethylphthalate	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Fluoranthene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Fluorene	190 U	200 U	200 U	180 U	220 U	220 U	1.0 U
Hexachlorobenzene	80 U	81 U	84 U	72 U	91 U	90 U	10 U
Hexachlorobutadiene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Hexachlorocyclopentadiene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Hexachloroethane	190 U	200 U	200 U	180 U	220 U	220 U	1.9 U
Indeno(1,2,3-cd)pyrene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Isophorone	190 U	200 U	200 U	180 U	220 U	220 U	10 U
N-Nitroso-di-n-propylamine	190 U	200 U	200 U	180 U	220 U	220 U	10 U
N-Nitrosodiphenylamine	190 U	200 U	200 U	180 U	220 U	220 U	5.0 U
Naphthalene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Nitrobenzene	190 U	200 U	200 U	180 U	220 U	220 U	3.5 U
Pentachlorophenol	970 U	990 U	1000 U	880 U	1100 U	1100 U	5.0 U
Phenanthrene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Phenol	190 U	200 U	200 U	180 U	220 U	220 U	10 U
Pyrene	190 U	200 U	200 U	180 U	220 U	220 U	10 U
bis(2-Chloroethoxy)methane	190 U	200 U	200 U	180 U	220 U	220 U	10 U
bis(2-Chloroethyl)ether	190 U	200 U	200 U	180 U	220 U	220 U	10 U
bis(2-Ethylhexyl)phthalate	190 U	200 U	200 U	120 J	220 U	220 U	1.8 U
Total Semivolatiles	ND	ND	ND	120	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
1,2-Dichlorobenzene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
1,3-Dichlorobenzene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
1,4-Dichlorobenzene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,2'-Oxybis(1-Chloropropane)	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,4,5-Trichlorophenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,4,6-Trichlorophenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,4-Dichlorophenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,4-Dinitrophenol	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
2,4-Dinitrotoluene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2,6-Dinitrotoluene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2-Chloronaphthalene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2-Chlorophenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2-Methylnaphthalene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2-Methylphenol (o-cresol)	200 U	180 U	180 U	180 U	180 U	210 U	220 U
2-Nitroaniline	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
2-Nitrophenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
3,3'-Dichlorobenzidine	390 U	360 U	350 U	340 U	340 U	410 U	420 U
3-Methylphenol/4-Methylphenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
3-Nitroaniline	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
4-Bromophenylphenyl ether	200 U	180 U	180 U	180 U	180 U	210 U	220 U
4-Chloro-3-methylphenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
4-Chloroaniline	390 U	360 U	350 U	340 U	340 U	410 U	420 U
4-Chlorophenylphenyl ether	200 U	180 U	180 U	180 U	180 U	210 U	220 U
4-Nitroaniline	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
4-Nitrophenol	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
Acenaphthene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Acenaphthylene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Anthracene	200 U	180 U	26 J	180 U	180 U	210 U	220 U
Benzo(a)anthracene	200 U	33 J	70 J	55 J	53 J	210 U	220 U
Benzo(a)pyrene	110 U	98 U	95 U	94 U	100 U	110 U	120 U
Benzo(b)fluoranthene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Benzo(g,h,i)perylene	200 U	180 U	180 U	180 U	180 U	21 U	220 U
Benzo(k)fluoranthene	200 U	180 U	180 U	180 U	180 U	210 U	220 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Carbazole	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Chrysene	200 U	39 J	76 J	56 J	62 J	210 U	220 U
Di-n-butylphthalate	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Di-n-octylphthalate	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Dibenzo(a,h)anthracene	110 U	98 U	95 U	94 U	95 U	110 U	120 U
Dibenzofuran	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Diethylphthalate	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Dimethylphthalate	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Fluoranthene	200 U	54 J	190	120 J	180 U	210 U	220 U
Fluorene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Hexachlorobenzene	84 U	76 U	73 U	73 U	73 U	88 U	89 U
Hexachlorobutadiene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Hexachlorocyclopentadiene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Hexachloroethane	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Indeno(1,2,3-cd)pyrene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Isophorone	200 U	180 U	180 U	180 U	180 U	210 U	220 U
N-Nitroso-di-n-propylamine	200 U	180 U	180 U	180 U	180 U	210 U	220 U
N-Nitrosodiphenylamine	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Naphthalene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Nitrobenzene	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Pentachlorophenol	1000 U	920 U	890 U	890 U	890 U	1100 U	1100 U
Phenanthrene	200 U	36 J	100 J	66 J	180 U	210 U	220 U
Phenol	200 U	180 U	180 U	180 U	180 U	210 U	220 U
Pyrene	200 U	56 J	150 J	96 J	180 U	210 U	220 U
bis(2-Chloroethoxy)methane	200 U	180 U	180 U	180 U	180 U	210 U	220 U
bis(2-Chloroethyl)ether	200 U	180 U	180 U	180 U	180 U	210 U	220 U
bis(2-Ethylhexyl)phthalate	8700	180 U	260 U	450 U	180 U	210 U	220 U
Total Semivolatiles	8700	218	612	393	115	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
1,2,4-Trichlorobenzene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
1,2-Dichlorobenzene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
1,3-Dichlorobenzene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
1,4-Dichlorobenzene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2,2'-Oxybis(1-Chloropropane)	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2,4,5-Trichlorophenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2,4,6-Trichlorophenol	190 U	190 U	200 U	210 U	180 U	180 U	2.1 U
2,4-Dichlorophenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2,4-Dinitrophenol	950 U	950 U	980 U	1000 U	880 U	880 U	14 U
2,4-Dinitrotoluene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2,6-Dinitrotoluene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2-Chloronaphthalene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2-Chlorophenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2-Methylnaphthalene	160 J	190 U	200 U	210 U	180 U	180 U	10 U
2-Methylphenol (o-cresol)	190 U	190 U	200 U	210 U	180 U	180 U	10 U
2-Nitroaniline	950 U	950 U	980 U	1000 U	880 U	880 U	50 U
2-Nitrophenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
3,3'-Dichlorobenzidine	370 U	370 U	380 U	410 U	340 U	340 U	20 U
3-Methylphenol/4-Methylphenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
3-Nitroaniline	950 U	950 U	980 U	1000 U	880 U	880 U	50 U
4,6-Dinitro-2-methylphenol	950 U	950 U	980 U	1000 U	880 U	880 U	13 U
4-Bromophenylphenyl ether	190 U	190 U	200 U	210 U	180 U	180 U	1.0 U
4-Chloro-3-methylphenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
4-Chloroaniline	370 U	370 U	380 U	410 U	340 U	340 U	20 U
4-Chlorophenylphenyl ether	190 U	190 U	200 U	210 U	180 U	180 U	10 U
4-Nitroaniline	950 U	950 U	980 U	1000 U	880 U	880 U	50 U
4-Nitrophenol	950 U	950 U	980 U	1000 U	880 U	880 U	50 U
Acenaphthene	1000	190 U	200 U	210 U	180 U	180 U	10 U
Acenaphthylene	720	190 U	200 U	210 U	180 U	180 U	10 U
Anthracene	5400	190 U	200 U	210 U	180 U	180 U	10 U
Benzo(a)anthracene	12000	190 U	200 U	210 U	180 U	180 U	10 U
Benzo(a)pyrene	5600	100 U	100 U	110 U	93 U	93 U	10 U
Benzo(b)fluoranthene	9800	190 U	200 U	210 U	180 U	180 U	10 U
Benzo(g,h,i)perylene	330	190 U	200 U	210 U	180 U	180 U	10 U
Benzo(k)fluoranthene	6300	190 U	200 U	210 U	180 U	180 U	10 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
Butylbenzylphthalate	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Carbazole	820	190 U	200 U	210 U	180 U	180 U	10 U
Chrysene	11000	190 U	200 U	210 U	180 UJ	180 U	10 U
Di-n-butylphthalate	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Di-n-octylphthalate	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Dibenzo(a,h)anthracene	1900	100 U	100 U	110 U	93 U	93 U	10 U
Dibenzofuran	1100	190 U	200 U	210 U	180 U	180 U	10 U
Diethylphthalate	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Dimethylphthalate	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Fluoranthene	23000 D	190 U	200 U	210 U	180 U	180 U	10 U
Fluorene	2000	190 U	200 U	210 U	180 U	180 U	1.0 U
Hexachlorobenzene	78 U	78 U	81 U	87 U	72 U	72 U	10 U
Hexachlorobutadiene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Hexachlorocyclopentadiene	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Hexachloroethane	190 U	190 U	200 U	210 U	180 U	180 U	1.9 U
Indeno(1,2,3-cd)pyrene	3500	190 U	200 U	210 U	180 U	180 U	10 U
Isophorone	190 U	190 U	200 U	210 U	180 U	180 U	10 U
N-Nitroso-di-n-propylamine	190 U	190 U	200 U	210 U	180 U	180 U	10 U
N-Nitrosodiphenylamine	190 U	190 U	200 U	210 U	180 U	180 U	5.0 U
Naphthalene	64 J	190 U	200 U	210 U	180 U	180 U	10 U
Nitrobenzene	190 U	190 U	200 U	210 U	180 U	180 U	3.5 U
Pentachlorophenol	950 U	950 U	980 U	1000 U	880 U	880 U	5.0 U
Phenanthrene	14000	190 U	200 U	210 U	180 U	180 U	10 U
Phenol	190 U	190 U	200 U	210 U	180 U	180 U	10 U
Pyrene	18000 D	190 U	200 U	210 U	180 U	180 U	10 U
bis(2-Chloroethoxy)methane	190 U	190 U	200 U	210 U	180 U	180 U	10 U
bis(2-Chloroethyl)ether	190 U	190 U	200 U	210 U	180 U	180 U	10 U
bis(2-Ethylhexyl)phthalate	190 U	190 U	200 U	120 J	180 U	120 J	1.8 U
Total Semivolatiles	116694	ND	ND	120	ND	120	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
1,2-Dichlorobenzene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
1,3-Dichlorobenzene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
1,4-Dichlorobenzene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2,2'-Oxybis(1-Chloropropane)	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2,4,5-Trichlorophenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2,4,6-Trichlorophenol	190 U	190 U	200 U	200 U	200 U	2.1 U	190 U
2,4-Dichlorophenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2,4-Dinitrophenol	930 U	940 U	1000 U	1000 U	1000 U	14 U	970 U
2,4-Dinitrotoluene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2,6-Dinitrotoluene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2-Chloronaphthalene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2-Chlorophenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2-Methylnaphthalene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2-Methylphenol (o-cresol)	190 U	190 U	200 U	200 U	200 U	10 U	190 U
2-Nitroaniline	930 U	940 U	1000 U	1000 U	1000 U	50 U	970 U
2-Nitrophenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
3,3'-Dichlorobenzidine	360 U	370 U	390 U	390 U	390 U	20 U	380 U
3-Methylphenol/4-Methylphenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
3-Nitroaniline	930 U	940 U	1000 U	1000 U	1000 U	50 U	970 U
4,6-Dinitro-2-methylphenol	930 U	940 U	1000 U	1000 U	1000 U	13 U	970 U
4-Bromophenylphenyl ether	190 U	190 U	200 U	200 U	200 U	1.0 U	190 U
4-Chloro-3-methylphenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
4-Chloroaniline	360 U	370 U	390 U	390 U	390 U	20 U	380 U
4-Chlorophenylphenyl ether	190 U	190 U	200 U	200 U	200 U	10 U	190 U
4-Nitroaniline	930 U	940 U	1000 U	1000 U	1000 U	50 U	970 U
4-Nitrophenol	930 U	940 U	1000 U	1000 U	1000 U	50 U	970 U
Acenaphthene	190 U	190 U	200 U	200 U	160 J	10 U	41 J
Acenaphthylene	190 U	190 U	200 U	200 U	49 J	10 U	190 U
Anthracene	190 U	190 U	200 U	200 U	360	10 U	92 J
Benzo(a)anthracene	190 U	190 U	200 U	33 J	940	10 U	280
Benzo(a)pyrene	98 U	100 U	110 U	100 U	880	10 U	270
Benzo(b)fluoranthene	190 U	55 J	200 U	200 U	640	10 U	260
Benzo(g,h,i)perylene	190 U	190 U	200 U	200 U	630	10 U	190 U
Benzo(k)fluoranthene	190 U	190 U	200 U	200 U	1100	10 U	220

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
Butylbenzylphthalate	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Carbazole	190 U	190 U	200 U	200 U	170 J	10 U	36 J
Chrysene	190 U	190 U	200 U	42 J	1100	10 U	300
Di-n-butylphthalate	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Di-n-octylphthalate	190 U	140 J	200 U	200 U	200 U	10 U	190 U
Dibenzo(a,h)anthracene	98 U	140	110 U	100 U	270	10 U	92 J
Dibenzofuran	190 U	190 U	200 U	200 U	120 J	10 U	190 U
Diethylphthalate	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Dimethylphthalate	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Fluoranthene	190 U	190 U	200 U	79 J	2500	10 U	650
Fluorene	190 U	190 U	200 U	200 U	130 J	1.0 U	190 U
Hexachlorobenzene	77 U	78 U	83 U	82 U	82 U	10 U	80 U
Hexachlorobutadiene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Hexachlorocyclopentadiene	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Hexachloroethane	190 U	190 U	200 U	200 U	200 U	1.9 U	190 U
Indeno(1,2,3-cd)pyrene	190 U	130 J	200 U	200 U	570	10 U	150 J
Isophorone	190 U	190 U	200 U	200 U	200 U	10 U	190 U
N-Nitroso-di-n-propylamine	190 U	190 U	200 U	200 U	200 U	10 U	190 U
N-Nitrosodiphenylamine	190 U	190 U	200 U	200 U	200 U	5.0 U	190 U
Naphthalene	190 U	190 U	200 U	200 U	49 J	10 U	190 U
Nitrobenzene	190 U	190 U	200 U	200 U	200 U	3.5 U	190 U
Pentachlorophenol	930 U	940 U	1000 U	1000 U	1000 U	5.0 U	970 U
Phenanthrene	190 U	190 U	200 U	57 J	1900	10 U	450
Phenol	190 U	190 U	200 U	200 U	200 U	10 U	190 U
Pyrene	190 U	190 U	200 U	200 U	2300	10 U	570
bis(2-Chloroethoxy)methane	190 U	190 U	200 U	200 U	200 U	10 U	190 U
bis(2-Chloroethyl)ether	190 U	190 U	200 U	200 U	200 U	10 U	190 U
bis(2-Ethylhexyl)phthalate	190 U	120 J	200 U	200 U	270	1.8 U	120 J
Total Semivolatiles	ND	585	ND	211	14138	ND	3531

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
1,2,4-Trichlorobenzene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
1,2-Dichlorobenzene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
1,3-Dichlorobenzene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
1,4-Dichlorobenzene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,2'-Oxybis(1-Chloropropane)	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,4,5-Trichlorophenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,4,6-Trichlorophenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,4-Dichlorophenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,4-Dinitrophenol	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
2,4-Dinitrotoluene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2,6-Dinitrotoluene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2-Chloronaphthalene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2-Chlorophenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2-Methylnaphthalene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2-Methylphenol (o-cresol)	220 U	240 U	200 U	190 U	190 U	190 U	190 U
2-Nitroaniline	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
2-Nitrophenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
3,3'-Dichlorobenzidine	420 U	460 U	400 U	380 U	360 U	370 U	370 U
3-Methylphenol/4-Methylphenol	220 U	460 U	400 U	380 U	360 U	370 U	370 U
3-Nitroaniline	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
4,6-Dinitro-2-methylphenol	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
4-Bromophenylphenyl ether	220 U	240 U	200 U	190 U	190 U	190 U	190 U
4-Chloro-3-methylphenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
4-Chloroaniline	420 U	460 U	400 U	380 U	360 U	370 U	370 U
4-Chlorophenylphenyl ether	220 U	240 U	200 U	190 U	190 U	190 U	190 U
4-Nitroaniline	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
4-Nitrophenol	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
Acenaphthene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Acenaphthylene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Anthracene	66 J	240 U	200 U	190 U	190 U	190 U	190 U
Benzo(a)anthracene	160 J	240 U	200 U	190 U	190 U	190 U	190 U
Benzo(a)pyrene	150 U	120 U	110 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	150 J	240 U	200 U	190 U	190 U	190 U	190 U
Benzo(g,h,i)perylene	220 U	240 U	200 U	190 U	190 U	36 J	190 U
Benzo(k)fluoranthene	220 U	240 U	200 U	190 U	190 U	190 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Butylbenzylphthalate	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Carbazole	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Chrysene	180 J	240 U	200 U	190 U	190 U	190 U	190 U
Di-n-butylphthalate	220 U	110 J	120 J	65 J	26 J	65 J	94 J
Di-n-octylphthalate	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Dibenzo(a,h)anthracene	120 U	120 U	110 U	100 U	100 U	100 U	100 U
Dibenzofuran	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Diethylphthalate	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Dimethylphthalate	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Fluoranthene	360	240 U	200 U	190 U	190 U	190 U	190 U
Fluorene	36 J	240 U	200 U	190 U	190 U	190 U	190 U
Hexachlorobenzene	89 U	97 U	84 U	80 U	78 U	78 U	79 U
Hexachlorobutadiene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Hexachloroethane	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Indeno(1,2,3-cd)pyrene	100 J	240 U	200 U	190 U	190 U	190 U	190 U
Isophorone	220 U	240 U	200 U	190 U	190 U	190 U	190 U
N-Nitroso-di-n-propylamine	220 U	240 U	200 U	190 U	190 U	190 U	190 U
N-Nitrosodiphenylamine	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Naphthalene	41 J	240 U	200 U	190 U	190 U	190 U	190 U
Nitrobenzene	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Pentachlorophenol	1100 U	1200 U	1000 U	960 U	940 U	940 U	960 U
Phenanthrene	260	240 U	200 U	190 U	190 U	190 U	190 U
Phenol	220 U	240 U	200 U	190 U	190 U	190 U	190 U
Pyrene	310	240 U	200 U	190 U	190 U	190 U	190 U
bis(2-Chloroethoxy)methane	220 U	240 U	200 U	190 U	190 U	190 U	190 U
bis(2-Chloroethyl)ether	220 U	240 U	200 U	190 U	190 U	190 U	190 U
bis(2-Ethylhexyl)phthalate	120 J	180 J	200 U	100 J	50 J	1100	270
Total Semivolatiles	1783	290	120	165	76	1201	364

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
Sample Date	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/l	ug/kg dw
Compound			
1,2,4-Trichlorobenzene	190 U	10 U	190 U
1,2-Dichlorobenzene	190 U	10 U	190 U
1,3-Dichlorobenzene	190 U	10 U	190 U
1,4-Dichlorobenzene	190 U	10 U	190 U
2,2'-Oxybis(1-Chloropropane)	190 U	10 U	190 U
2,4,5-Trichlorophenol	190 U	10 U	190 U
2,4,6-Trichlorophenol	190 U	2.1 U	190 U
2,4-Dichlorophenol	190 U	10 U	190 U
2,4-Dinitrophenol	950 U	14 U	940 U
2,4-Dinitrotoluene	190 U	10 U	190 U
2,6-Dinitrotoluene	190 U	10 U	190 U
2-Chloronaphthalene	190 U	10 U	190 U
2-Chlorophenol	190 U	10 U	190 U
2-Methylnaphthalene	190 U	10 U	190 U
2-Methylphenol (o-cresol)	190 U	10 U	190 U
2-Nitroaniline	950 U	50 U	940 U
2-Nitrophenol	190 U	10 U	190 U
3,3'-Dichlorobenzidine	370 U	20 U	370 U
3-Methylphenol/4-Methylphenol	370 U	10 U	370 U
3-Nitroaniline	950 U	50 U	940 U
4,6-Dinitro-2-methylphenol	950 U	13 U	940 U
4-Bromophenylphenyl ether	190 U	1.0 U	190 U
4-Chloro-3-methylphenol	190 U	10 U	190 U
4-Chloroaniline	370 U	20 U	370 U
4-Chlorophenylphenyl ether	190 U	10 U	190 U
4-Nitroaniline	950 U	50 U	940 U
4-Nitrophenol	950 U	50 U	940 U
Acenaphthene	190 U	10 U	190 U
Acenaphthylene	190 U	10 U	190 U
Anthracene	190 U	10 U	190 U
Benzo(a)anthracene	36 J	10 U	37 J
Benzo(a)pyrene	38 J	10 U	34 J
Benzo(b)fluoranthene	37 J	10 U	28 J
Benzo(g,h,i)perylene	35 J	10 U	190 U
Benzo(k)fluoranthene	36 J	10 U	190 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-2
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8270C Semivolatile Organic Compound Data

Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
Sample Date	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/l	ug/kg dw
Compound			
Butylbenzylphthalate	190 U	10 U	190 U
Carbazole	190 U	10 U	190 U
Chrysene	48 J	10 U	43 J
Di-n-butylphthalate	52 J	10 U	190 U
Di-n-octylphthalate	190 U	10 U	190 U
Dibenzo(a,h)anthracene	100 U	10 U	100 U
Dibenzofuran	190 U	10 U	190 U
Diethylphthalate	190 U	10 U	190 U
Dimethylphthalate	190 U	10 U	190 U
Fluoranthene	81 J	10 U	78 J
Fluorene	190 U	1.0 U	190 U
Hexachlorobenzene	78 U	10 U	78 U
Hexachlorobutadiene	190 U	10 U	190 U
Hexachlorocyclopentadiene	190 U	10 U	190 U
Hexachloroethane	190 U	1.9 U	190 U
Indeno(1,2,3-cd)pyrene	190 U	10 U	190 U
Isophorone	190 U	10 U	190 U
N-Nitroso-di-n-propylamine	190 U	10 U	190 U
N-Nitrosodiphenylamine	190 U	5.0 U	190 U
Naphthalene	190 U	10 U	190 U
Nitrobenzene	190 U	3.5 U	190 U
Pentachlorophenol	950 U	5.0 U	940 U
Phenanthrene	31 J	10 U	42 J
Phenol	190 U	10 U	190 U
Pyrene	60 J	10 U	190 U
bis(2-Chloroethoxy)methane	190 U	10 U	190 U
bis(2-Chloroethyl)ether	190 U	10 U	190 U
bis(2-Ethylhexyl)phthalate	180 J	1.8 U	7600
Total Semivolatiles	634	ND	7862

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	22 UJ	20 U	R	19 U	19 U	21 U	19 U
Dichlorobiphenyl	4.3 UJ	3.9 U	R	3.8 U	3.8 U	4.2 U	3.7 U
Heptachlorobiphenyl	13 UJ	12 U	R	12 U	11 U	13 U	11 U
Hexachlorobiphenyl	8.7 UJ	8 U	R	7.8 U	7.7 U	8.6 U	7.5 U
Monochlorobiphenyl	4.3 UJ	3.9 U	R	3.8 U	3.8 U	4.2 U	3.7 U
Nonachlorobiphenyl	22 UJ	20 U	R	19 U	19 U	21 U	19 U
Octachlorobiphenyl	13 UJ	12 U	R	12 U	11 U	13 U	11 U
Pentachlorobiphenyl	8.7 UJ	8 U	R	7.8 U	7.7 U	8.6 U	7.5 U
Tetrachlorobiphenyl	8.7 UJ	8 U	R	7.8 U	7.7 U	8.6 UJ	7.5 U
Trichlorobiphenyl	4.3 UJ	3.9 U	R	3.8 U	3.8 U	4.2 U	3.7 U
Total PCBs	ND	ND	---	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	18 U	18 U	18 U	22 U	18 U	21 U	22 U
Dichlorobiphenyl	3.5 U	3.6 U	3.7 U	4.3 U	3.7 U	4.1 U	4.3 U
Heptachlorobiphenyl	11 U	11 U	11 U	13 U	11 U	12 U	13 U
Hexachlorobiphenyl	7.1 U	7.4 U	7.4 U	8.7 U	7.4 U	8.3 U	8.8 U
Monochlorobiphenyl	3.5 U	3.6 U	3.7 U	4.3 U	3.7 U	4.1 U	4.3 U
Nonachlorobiphenyl	18 U	18 U	18 U	22 U	18 U	21 U	22 U
Octachlorobiphenyl	11 U	11 U	11 U	13 U	11 U	12 U	13 U
Pentachlorobiphenyl	7.1 U	7.4 U	7.4 U	8.7 U	7.4 U	8.3 U	8.8 U
Tetrachlorobiphenyl	7.1 U	7.4 U	7.4 U	8.7 U	7.4 U	8.3 U	8.8 U
Trichlorobiphenyl	3.5 U	3.6 U	3.7 U	4.3 U	3.7 U	4.1 U	4.3 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	22 U	20 U	22 U	20 U	18 U	18 U	19 U
Dichlorobiphenyl	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Heptachlorobiphenyl	13 U	12 U	13 U	12 U	11 U	11 UJ	11 U
Hexachlorobiphenyl	8.7 U	8.0 U	8.8 U	8.0 U	7.4 U	7.4 UJ	7.6 U
Monochlorobiphenyl	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Nonachlorobiphenyl	10 J	20 U	22 U	20 U	18 U	18 U	19 U
Octachlorobiphenyl	13 U	12 U	13 U	12 U	11 U	11 UJ	11 U
Pentachlorobiphenyl	8.7 U	8.0 U	8.8 U	8.0 U	7.4 U	7.4 UJ	7.6 U
Tetrachlorobiphenyl	8.7 U	8.0 U	8.8 U	8.0 U	7.4 U	7.4 UJ	7.6 U
Trichlorobiphenyl	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Total PCBs	10	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	19 U	19 U	21 U	22 U	20 U	21 U	22 U
Dichlorobiphenyl	3.8 U	3.7 U	4.2 U	4.3 U	3.9 U	4.1 U	4.4 U
Heptachlorobiphenyl	12 U	11 U	13 U	13 U	12 U	13 U	13 U
Hexachlorobiphenyl	7.8 U	7.5 U	8.6 U	8.8 U	8.0 U	8.4 U	8.8 U
Monochlorobiphenyl	3.8 U	3.7 U	4.2 U	4.3 U	3.9 U	4.1 U	4.4 U
Nonachlorobiphenyl	19 U	19 U	21 U	22 U	20 U	14 J	22 U
Octachlorobiphenyl	12 U	11 U	13 U	13 U	12 U	13 U	13 U
Pentachlorobiphenyl	7.8 U	7.5 U	8.6 U	8.8 U	8.0 U	5.0 J	8.8 U
Tetrachlorobiphenyl	7.8 U	7.5 U	8.6 U	8.8 U	8.0 U	8.4 U	8.8 U
Trichlorobiphenyl	3.8 U	3.7 U	4.2 U	4.3 U	3.9 U	4.1 U	4.4 U
Total PCBs	ND	ND	ND	ND	ND	19	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	18 U	18 U	20 U	19 U	0.50 U	19 UJ	18 UJ
Dichlorobiphenyl	3.5 U	3.6 U	4.0 U	3.8 U	0.10 U	3.8 UJ	3.5 UJ
Heptachlorobiphenyl	11 U	11 U	12 U	12 U	0.30 U	12 UJ	11 UJ
Hexachlorobiphenyl	7.2 U	7.2 U	8.1 U	7.8 U	0.20 U	7.8 UJ	7.2 UJ
Monochlorobiphenyl	3.5 U	3.6 U	4.0 U	3.8 U	0.10 U	3.8 UJ	3.5 UJ
Nonachlorobiphenyl	18 U	18 U	12 J	19 U	0.50 U	12 J	18 UJ
Octachlorobiphenyl	11 U	11 U	12 U	12 U	0.30 U	12 UJ	11 UJ
Pentachlorobiphenyl	7.2 U	7.2 U	8.1 U	7.8 U	0.20 U	7.8 UJ	7.2 UJ
Tetrachlorobiphenyl	7.2 U	7.2 U	8.1 U	7.8 U	0.20 U	7.8 UJ	7.2 UJ
Trichlorobiphenyl	3.5 U	3.6 U	4.0 U	3.8 U	0.10 U	3.8 UJ	3.5 UJ
Total PCBs	ND	ND	12	ND	ND	12	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	19 UJ	19 UJ	22 U	21 UJ	20 U	21 UJ	21 U
Dichlorobiphenyl	3.7 UJ	3.8 UJ	4.4 U	4.2 UJ	3.9 U	4.2 UJ	4.2 U
Heptachlorobiphenyl	11 UJ	12 UJ	13 UJ	13 UJ	12 U	13 UJ	13 U
Hexachlorobiphenyl	7.5 UJ	7.8 UJ	9.0 UJ	8.5 UJ	8.0 U	8.5 UJ	8.5 U
Monochlorobiphenyl	3.7 UJ	3.8 UJ	4.4 U	4.2 UJ	3.9 U	4.2 UJ	4.2 U
Nonachlorobiphenyl	19 UJ	19 UJ	22 U	21 UJ	20 U	21 UJ	21 U
Octachlorobiphenyl	11 UJ	12 UJ	13 UJ	13 UJ	12 U	13 UJ	13 U
Pentachlorobiphenyl	7.5 UJ	7.8 UJ	9.0 UJ	8.5 UJ	8.0 U	8.5 UJ	8.5 U
Tetrachlorobiphenyl	7.5 UJ	7.8 UJ	9.0 UJ	8.5 UJ	8.0 U	8.5 UJ	8.5 U
Trichlorobiphenyl	3.7 UJ	3.8 UJ	4.4 U	4.2 UJ	3.9 U	4.2 UJ	4.2 U
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
Decachlorobiphenyl	19 UJ	19 U	20 U	18 U	22 U	22 U	0.50 U
Dichlorobiphenyl	3.8 UJ	3.8 U	4.0 U	3.5 U	4.3 U	4.3 U	0.10 U
Heptachlorobiphenyl	12 UJ	12 U	12 U	10 U	13 U	13 U	0.30 U
Hexachlorobiphenyl	7.8 UJ	7.8 U	8.1 U	7.0 U	8.8 U	8.7 U	0.20 U
Monochlorobiphenyl	3.8 UJ	3.8 U	4.0 U	3.5 U	4.3 U	4.3 U	0.10 U
Nonachlorobiphenyl	19 UJ	9.5 J	20 U	18 U	22 U	22 U	0.50 U
Octachlorobiphenyl	12 UJ	12 U	12 U	10 U	13 U	13 U	0.30 U
Pentachlorobiphenyl	7.8 UJ	7.8 U	8.1 U	7.0 U	8.8 U	8.7 U	0.20 U
Tetrachlorobiphenyl	7.8 UJ	7.8 U	8.1 U	7.0 U	8.8 U	8.7 U	0.20 U
Trichlorobiphenyl	3.8 UJ	3.8 U	4.0 U	3.5 U	4.3 U	4.3 U	0.10 U
Total PCBs	ND	9.5	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	20 U	18 U	18 U	10 J	11 J	21 U	36
Dichlorobiphenyl	4.0 U	3.6 U	3.5 U	3.5 U	3.5 U	4.2 U	4.2 U
Heptachlorobiphenyl	12 U	11 U	10 U	10 U	10 U	13 U	13 U
Hexachlorobiphenyl	8.1 U	7.3 U	7.0 U	7.0 U	7.0 U	8.6 U	8.6 U
Monochlorobiphenyl	4.0 U	3.6 U	3.5 U	3.5 U	3.5 U	4.2 U	4.2 U
Nonachlorobiphenyl	20 U	18 U	7.1 J	18 U	18 U	21 U	13 J
Octachlorobiphenyl	12 U	11 U	10 U	10 U	10 U	13 U	13 U
Pentachlorobiphenyl	8.1 U	7.3 U	7.0 U	7.0 U	7.0 U	8.6 U	8.6 U
Tetrachlorobiphenyl	8.1 U	7.3 U	7.0 U	7.0 U	7.0 U	8.6 U	8.6 U
Trichlorobiphenyl	4.0 U	3.6 U	3.5 U	3.5 U	3.5 U	4.2 U	4.2 U
Total PCBs	ND	ND	7.1	10	11	ND	49

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
Decachlorobiphenyl	45 J	19 U	19 U	21 UJ	17 U	17 U	0.50 U
Dichlorobiphenyl	18 U	3.7 U	3.8 U	4.1 UJ	3.4 U	3.4 U	0.10 U
Heptachlorobiphenyl	56 U	11 U	12 U	12 UJ	10 U	10 U	0.30 U
Hexachlorobiphenyl	38 U	7.5 U	7.8 U	8.4 UJ	7.0 U	7.0 U	0.20 U
Monochlorobiphenyl	18 U	3.7 U	3.8 U	4.1 UJ	3.4 U	3.4 U	0.10 U
Nonachlorobiphenyl	8.9 J	19 U	19 U	21 UJ	17 U	17 U	0.50 U
Octachlorobiphenyl	56 U	11 U	12 U	12 UJ	10 U	10 U	0.30 U
Pentachlorobiphenyl	38 U	7.5 U	7.8 U	8.4 UJ	7.0 U	7.0 U	0.20 U
Tetrachlorobiphenyl	38 U	7.5 U	7.8 U	8.4 UJ	7.0 U	7.0 U	0.20 U
Trichlorobiphenyl	18 U	3.7 U	3.8 U	4.1 UJ	3.4 U	3.4 U	0.10 U
Total PCBs	53.9	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
Decachlorobiphenyl	18 U	18 UJ	20 UJ	20 UJ	98 U	0.50 U	19 UJ
Dichlorobiphenyl	3.6 U	3.7 UJ	3.9 UJ	3.9 UJ	19 U	0.10 U	3.8 UJ
Heptachlorobiphenyl	11 U	11 UJ	12 UJ	12 UJ	59 U	0.30 U	11 UJ
Hexachlorobiphenyl	7.4 U	7.4 UJ	8.0 UJ	7.9 UJ	39 U	0.20 U	7.7 UJ
Monochlorobiphenyl	3.6 U	3.7 UJ	3.9 UJ	3.9 UJ	19 U	0.10 U	3.8 UJ
Nonachlorobiphenyl	18 U	18 UJ	20 UJ	20 UJ	98 U	0.50 U	19 UJ
Octachlorobiphenyl	11 U	11 UJ	12 UJ	12 UJ	59 U	0.30 U	11 UJ
Pentachlorobiphenyl	7.4 U	7.4 UJ	8.0 UJ	7.9 UJ	39 U	0.20 U	7.7 UJ
Tetrachlorobiphenyl	7.4 U	7.4 UJ	8.0 UJ	7.9 UJ	39 U	0.20 U	7.7 UJ
Trichlorobiphenyl	3.6 U	3.7 UJ	3.9 UJ	3.9 UJ	19 U	0.10 U	3.8 UJ
Total PCBs	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
Decachlorobiphenyl	21 U	23 U	20 U	19 U	18 U	18 U	19 UJ
Dichlorobiphenyl	4.2 U	4.6 U	4.0 U	3.8 U	3.7 U	3.7 U	3.8 UJ
Heptachlorobiphenyl	13 U	14 U	12 U	11 U	11 U	11 U	11 UJ
Hexachlorobiphenyl	8.6 U	9.3 U	8.1 U	7.6 U	7.4 U	7.4 U	7.6 UJ
Monochlorobiphenyl	4.2 U	4.6 U	4.0 U	3.8 U	3.7 U	3.7 U	3.8 UJ
Nonachlorobiphenyl	21 U	23 U	20 U	19 U	18 U	18 U	19 UJ
Octachlorobiphenyl	13 U	14 U	12 U	11 U	11 U	11 U	11 UJ
Pentachlorobiphenyl	4.3 J	9.3 U	8.1 U	7.6 U	7.4 U	7.4 U	7.6 UJ
Tetrachlorobiphenyl	8.6 U	9.3 U	8.1 U	7.6 U	7.4 U	7.4 U	7.6 UJ
Trichlorobiphenyl	4.2 U	4.6 U	4.0 U	3.8 U	3.7 U	3.7 U	3.8 UJ
Total PCBs	4.3	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-3
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 680 Polychlorinated Biphenyl Data

	Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
	Sample Date	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/l	ug/kg dw
Compound				
Decachlorobiphenyl		8.4 J	0.50 U	18 U
Dichlorobiphenyl		3.7 U	0.10 U	3.7 U
Heptachlorobiphenyl		11 U	0.30 U	11 U
Hexachlorobiphenyl		7.5 U	0.20 U	7.4 U
Monochlorobiphenyl		3.7 U	0.10 U	3.7 U
Nonachlorobiphenyl		19 U	0.50 U	18 U
Octachlorobiphenyl		11 U	0.30 U	11 U
Pentachlorobiphenyl		7.5 U	0.20 U	7.4 U
Tetrachlorobiphenyl		7.5 U	0.20 U	7.4 U
Trichlorobiphenyl		3.7 U	0.10 U	3.7 U
Total PCBs		8.4	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	4.3 U	3.9 U	4.1 U	3.8 U	0.53 J	4.2 U	3.7 U
4,4'-DDE	4.3 U	3.9 U	4.1 UJ	3.8 U	3.8 U	4.2 U	3.7 U
4,4'-DDT	4.3 U	3.9 U	4.1 UJ	3.8 U	3.8 U	4.2 U	3.7 U
Aldrin	2.2 U	2 U	2.1 U	2.0 U	2.0 U	2.2 U	1.9 U
Alpha Chlordane	2.2 U	2 U	2.1 U	2.0 U	2.0 U	2.2 U	1.9 U
Dieldrin	4.3 U	3.9 U	4.1 UJ	3.8 U	1.2 J	4.2 UJ	0.41 J
Endosulfan I	2.2 U	2 U	2.1 UJ	2.0 U	2.0 U	2.2 U	1.9 U
Endosulfan II	4.3 U	3.9 U	4.1 U	3.8 U	3.8 U	4.2 U	3.7 U
Endosulfan sulfate	4.3 U	3.9 U	4.1 U	3.8 U	3.8 U	4.2 U	3.7 U
Endrin	4.3 U	3.9 U	4.1 UJ	3.8 U	3.8 U	4.2 U	3.7 U
Endrin aldehyde	4.3 U	3.9 U	4.1 U	3.8 U	3.8 U	4.2 U	3.7 U
Endrin ketone	4.3 U	3.9 U	4.1 UJ	3.8 U	3.8 U	4.2 U	3.7 U
Gamma Chlordane	2.2 U	2 U	2.1 UJ	2.0 U	2.0 U	2.2 U	1.9 U
Heptachlor	2.2 U	2 U	2.1 U	2.0 U	0.26 J	2.2 U	1.9 U
Heptachlor epoxide	2.2 U	2 U	2.1 U	2.0 U	2.0 U	2.2 U	1.9 U
Methoxychlor	22 U	20 U	21 U	20 U	20 U	22 U	19 U
Toxaphene	220 U	200 U	210 U	200 U	200 U	220 U	190 U
alpha-BHC	0.65 U	0.6 U	0.62 UJ	0.58 U	0.57 U	0.64 U	0.56 U
beta-BHC	0.65 U	0.6 U	0.62 U	0.58 U	0.57 U	0.64 U	0.56 U
delta-BHC	0.65 U	0.6 U	0.62 U	0.58 U	0.57 U	0.64 U	0.56 U
gamma-BHC (Lindane)	2.2 U	2 U	2.1 UJ	2.0 U	2.0 U	2.2 U	1.9 U
Total Pesticides	ND	ND	ND	ND	1.99	ND	0.41

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
4,4'-DDE	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
4,4'-DDT	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Aldrin	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Alpha Chlordane	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Dieldrin	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Endosulfan I	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Endosulfan II	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Endosulfan sulfate	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Endrin	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Endrin aldehyde	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Endrin ketone	3.5 U	3.6 UJ	3.7 U	4.3 U	3.7 U	4.0 U	4.3 U
Gamma Chlordane	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Heptachlor	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Heptachlor epoxide	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Methoxychlor	18 U	19 UJ	19 U	22 U	19 U	21 U	22 U
Toxaphene	180 U	190 UJ	190 U	220 U	190 U	210 U	220 U
alpha-BHC	0.53 U	0.55 UJ	0.56 U	0.65 U	0.56 U	0.61 U	0.65 U
beta-BHC	0.53 U	0.55 UJ	0.56 U	0.65 U	0.56 U	0.61 U	0.65 U
delta-BHC	0.53 U	0.55 UJ	0.56 U	0.65 U	0.56 U	0.61 U	0.65 U
gamma-BHC (Lindane)	1.8 U	1.9 UJ	1.9 U	2.2 U	1.9 U	2.1 U	2.2 U
Total Pesticides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
4,4'-DDE	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
4,4'-DDT	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Aldrin	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Alpha Chlordane	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Dieldrin	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Endosulfan I	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Endosulfan II	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Endosulfan sulfate	4.3 U	1.0 J	4.3 U	3.9 U	3.6 U	3.7 U	0.58 J
Endrin	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Endrin aldehyde	4.3 U	3.9 U	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Endrin ketone	4.3 U	0.29 J	4.3 U	3.9 U	3.6 U	3.7 U	3.8 U
Gamma Chlordane	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Heptachlor	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Heptachlor epoxide	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Methoxychlor	22 U	20 U	22 U	20 U	19 U	19 U	19 U
Toxaphene	220 U	200 U	220 U	200 U	190 U	190 U	190 U
alpha-BHC	0.65 U	0.59 U	0.65 U	0.59 U	0.55 U	0.56 U	0.57 U
beta-BHC	0.65 U	0.59 U	0.65 U	0.59 U	0.55 U	0.56 U	0.57 U
delta-BHC	0.65 U	0.23 J	0.12 J	0.59 U	0.55 U	0.56 UJ	1.9 U
gamma-BHC (Lindane)	2.2 U	2.0 U	2.2 U	2.0 U	1.9 U	1.9 U	1.9 U
Total Pesticides	ND	1.52	0.12	ND	ND	ND	0.58

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Compound	Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
	Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
4,4'-DDD		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	4.4 U
4,4'-DDE		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	0.22 J
4,4'-DDT		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	4.4 U
Aldrin		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Alpha Chlordane		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Dieldrin		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	0.12 J
Endosulfan I		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Endosulfan II		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	4.4 U
Endosulfan sulfate		0.42 J	3.7 U	0.57 J	0.32 J	4.0 U	4.1 U	4.4 U
Endrin		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	4.4 U
Endrin aldehyde		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	4.4 U
Endrin ketone		3.8 U	3.7 U	4.2 U	4.3 U	4.0 U	4.1 U	0.27 J
Gamma Chlordane		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Heptachlor		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Heptachlor epoxide		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	0.35 J
Methoxychlor		20 U	19 U	22 U	22 U	20 U	21 U	2.6 J
Toxaphene		200 U	190 U	220 U	220 U	200 U	210 U	220 U
alpha-BHC		0.58 U	0.56 U	0.64 U	0.66 U	0.60 U	0.63 U	0.66 U
beta-BHC		0.58 U	0.56 U	0.64 U	0.66 U	0.60 U	0.63 U	0.66 U
delta-BHC		2.0 U	0.14 J	2.2 U	2.2 U	0.60 U	0.63 U	0.66 U
gamma-BHC (Lindane)		2.0 U	1.9 U	2.2 U	2.2 U	2.0 U	2.1 U	2.2 U
Total Pesticides		0.42	0.14	0.57	0.32	ND	ND	3.56

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
4,4'-DDE	3.6 U	0.14 J	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
4,4'-DDT	3.6 U	0.27 J	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Aldrin	1.8 U	1.8 U	2.0 U	2.0 U	0.050 U	2.0 U	1.8 U
Alpha Chlordane	1.8 U	1.8 U	2.0 U	2.0 U	0.050 U	0.16 J	1.8 U
Dieldrin	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Endosulfan I	1.8 U	1.8 U	2.0 U	2.0 U	0.050 U	2.0 U	1.8 U
Endosulfan II	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Endosulfan sulfate	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Endrin	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Endrin aldehyde	3.6 U	3.6 U	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Endrin ketone	3.6 U	0.18 J	4.0 U	3.9 U	0.10 U	3.8 U	3.5 U
Gamma Chlordane	1.8 U	1.8 U	2.0 U	2.0 U	0.050 U	2.0 U	1.8 U
Heptachlor	1.8 U	1.8 U	2.0 U	2.0 U	0.050 U	2.0 U	1.8 U
Heptachlor epoxide	0.057 J	1.8 U	2.0 U	2.0 U	0.050 U	0.14 J	1.8 U
Methoxychlor	18 U	1.6 J	20 U	20 U	0.50 U	20 U	18 U
Toxaphene	180 U	180 U	200 U	200 U	5.0 U	200 U	180 U
alpha-BHC	0.54 U	0.54 U	0.60 U	0.59 U	0.039 U	0.58 U	0.53 U
beta-BHC	0.54 U	0.54 U	0.60 U	0.59 U	0.014 U	0.58 U	0.53 U
delta-BHC	0.54 U	0.54 U	0.60 U	0.59 U	0.0043 J	0.58 U	0.53 U
gamma-BHC (Lindane)	1.8 U	1.8 U	2.0 U	2.0 U	0.019 U	2.0 U	1.8 U
Total Pesticides	0.057	2.19	ND	ND	0.0043	0.3	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
4,4'-DDE	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
4,4'-DDT	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Aldrin	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Alpha Chlordane	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Dieldrin	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Endosulfan I	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Endosulfan II	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Endosulfan sulfate	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Endrin	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Endrin aldehyde	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Endrin ketone	3.7 U	3.8 U	4.4 U	4.1 U	3.9 U	4.2 U	4.1 U
Gamma Chlordane	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Heptachlor	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Heptachlor epoxide	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Methoxychlor	19 U	20 U	23 U	21 U	20 U	21 U	21 U
Toxaphene	190 U	200 U	230 U	210 U	200 U	210 U	210 U
alpha-BHC	0.56 UJ	0.57 UJ	0.67 UJ	0.63 UJ	0.59 UJ	0.63 UJ	0.63 U
beta-BHC	0.56 U	0.57 U	0.67 U	0.63 U	0.59 U	0.63 U	0.63 U
delta-BHC	0.56 U	0.57 U	0.67 U	0.63 U	0.59 U	0.63 U	0.63 U
gamma-BHC (Lindane)	1.9 U	2.0 U	2.3 U	2.1 U	2.0 U	2.1 U	2.1 U
Total Pesticides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
4,4'-DDD	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
4,4'-DDE	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
4,4'-DDT	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Aldrin	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Alpha Chlordane	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Dieldrin	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Endosulfan I	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Endosulfan II	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Endosulfan sulfate	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Endrin	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Endrin aldehyde	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Endrin ketone	3.8 U	3.8 UJ	3.9 U	3.4 U	4.3 U	4.2 U	0.10 U
Gamma Chlordane	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Heptachlor	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Heptachlor epoxide	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.050 U
Methoxychlor	20 U	20 UJ	20 U	18 U	22 U	22 U	0.50 U
Toxaphene	200 U	200 UJ	200 U	180 U	220 U	220 U	5.0 U
alpha-BHC	0.58 UJ	0.58 UJ	0.59 UJ	0.52 UJ	0.65 UJ	0.64 U	0.039 U
beta-BHC	0.58 U	0.58 UJ	0.59 U	0.52 U	0.65 U	0.64 U	0.014 U
delta-BHC	0.58 U	0.58 UJ	0.59 U	0.52 U	0.65 U	0.64 UJ	0.012 U
gamma-BHC (Lindane)	2.0 U	2.0 UJ	2.0 U	1.8 U	2.2 U	2.2 U	0.019 U
Total Pesticides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
4,4'-DDE	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
4,4'-DDT	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Aldrin	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Alpha Chlordane	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Dieldrin	3.9 UJ	1.3 J	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Endosulfan I	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Endosulfan II	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Endosulfan sulfate	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Endrin	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Endrin aldehyde	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Endrin ketone	3.9 UJ	3.6 U	3.5 U	3.4 U	3.5 U	4.2 UJ	4.2 U
Gamma Chlordane	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Heptachlor	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Heptachlor epoxide	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Methoxychlor	20 UJ	18 U	18 U	18 U	18 U	22 UJ	22 U
Toxaphene	200 UJ	180 U	180 U	180 U	180 U	220 UJ	220 U
alpha-BHC	0.60 UJ	0.54 U	0.53 U	0.52 U	0.53 U	0.64 UJ	0.64 U
beta-BHC	0.60 UJ	0.54 U	0.14 J	0.52 U	0.53 U	0.64 UJ	0.64 U
delta-BHC	0.60 UJ	0.54 U	0.53 U	0.52 U	0.53 U	0.64 UJ	0.64 U
gamma-BHC (Lindane)	2.0 UJ	1.8 U	1.8 U	1.8 U	1.8 U	2.2 UJ	2.2 U
Total Pesticides	ND	1.3	0.14	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
4,4'-DDD	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
4,4'-DDE	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
4,4'-DDT	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Aldrin	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Alpha Chlordane	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Dieldrin	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Endosulfan I	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Endosulfan II	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Endosulfan sulfate	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Endrin	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Endrin aldehyde	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Endrin ketone	3.6 U	3.7 U	3.8 U	4.1 U	3.4 U	3.4 U	0.10 U
Gamma Chlordane	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Heptachlor	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Heptachlor epoxide	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.050 U
Methoxychlor	7.6 J	19 U	20 U	21 U	18 U	18 U	0.50 U
Toxaphene	190 U	190 U	200 U	210 U	180 U	180 U	5.0 U
alpha-BHC	0.55 U	0.56 U	0.58 U	0.62 U	0.52 U	0.52 U	0.039 U
beta-BHC	0.55 U	0.56 U	0.58 U	0.62 U	0.52 U	0.52 U	0.014 U
delta-BHC	0.55 U	0.56 U	0.58 U	0.62 U	0.52 U	0.52 U	0.012 U
gamma-BHC (Lindane)	1.9 U	1.9 U	2.0 U	2.1 U	1.8 U	1.8 U	0.019 U
Total Pesticides	7.6	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound							
4,4'-DDD	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
4,4'-DDE	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
4,4'-DDT	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Aldrin	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Alpha Chlordane	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Dieldrin	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Endosulfan I	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Endosulfan II	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Endosulfan sulfate	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Endrin	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Endrin aldehyde	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Endrin ketone	3.6 U	3.6 U	3.9 U	7.7 U	38 U	0.10 U	19 U
Gamma Chlordane	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Heptachlor	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Heptachlor epoxide	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.050 U	9.7 U
Methoxychlor	18 U	19 U	20 U	40 U	200 U	0.50 U	97 U
Toxaphene	180 U	190 U	200 U	400 U	2000 U	5.0 U	970 U
alpha-BHC	0.54 U	0.55 U	0.59 U	1.2 U	5.8 U	0.039 U	2.9 U
beta-BHC	0.54 U	0.55 U	0.59 U	1.2 U	5.8 U	0.014 U	2.9 U
delta-BHC	0.54 U	0.55 U	0.59 U	1.2 U	5.8 U	0.0039 J	2.9 U
gamma-BHC (Lindane)	1.8 U	1.9 U	2.0 U	4.0 U	20 U	0.019 U	9.7 U
Total Pesticides	ND	ND	ND	ND	ND	0.0039	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
4,4'-DDD	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 U
4,4'-DDE	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 UJ
4,4'-DDT	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 UJ
Aldrin	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Alpha Chlordane	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Dieldrin	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 U
Endosulfan I	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Endosulfan II	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 U
Endosulfan sulfate	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 UJ
Endrin	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 UJ
Endrin aldehyde	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 U
Endrin ketone	84 U	4.6 U	4.0 U	3.7 U	3.6 U	3.6 U	3.8 U
Gamma Chlordane	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Heptachlor	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Heptachlor epoxide	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Methoxychlor	430 U	23 U	20 U	19 U	19 U	19 U	19 U
Toxaphene	4300 U	230 U	200 U	190 U	190 U	190 U	190 U
alpha-BHC	13 U	0.69 U	0.60 U	0.56 U	0.55 U	0.55 U	0.57 U
beta-BHC	13 U	0.69 U	0.60 U	0.56 U	0.55 U	0.55 U	0.57 U
delta-BHC	13 U	0.69 U	0.60 U	0.56 U	0.55 U	0.55 U	0.57 U
gamma-BHC (Lindane)	43 U	2.3 U	2.0 U	1.9 U	1.9 U	1.9 U	1.9 U
Total Pesticides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-4
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8081A Pesticide Data

Compound	Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
	Sample Date	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/l	ug/kg dw
4,4'-DDD		3.7 U	0.10 U	3.6 U
4,4'-DDE		0.34 J	0.10 U	1.7 J
4,4'-DDT		3.7 U	0.10 U	3.6 U
Aldrin		1.9 U	0.050 U	1.9 U
Alpha Chlordane		1.9 U	0.050 U	1.9 U
Dieldrin		3.7 U	0.10 U	3.6 U
Endosulfan I		1.9 U	0.050 U	1.9 U
Endosulfan II		3.7 U	0.10 U	3.6 U
Endosulfan sulfate		3.7 U	0.10 U	3.6 U
Endrin		3.7 U	0.10 U	3.6 U
Endrin aldehyde		3.7 U	0.10 U	3.6 U
Endrin ketone		3.7 U	0.10 U	3.6 U
Gamma Chlordane		1.9 U	0.050 U	1.9 U
Heptachlor		1.9 U	0.050 U	1.9 U
Heptachlor epoxide		1.9 U	0.050 U	1.9 U
Methoxychlor		19 U	0.50 U	19 U
Toxaphene		190 U	5.0 U	190 U
alpha-BHC		0.56 U	0.039 U	0.55 U
beta-BHC		0.56 U	0.014 U	0.55 U
delta-BHC		0.56 U	0.012 U	0.55 U
gamma-BHC (Lindane)		1.9 U	0.0017 J	1.9 U
Total Pesticides		0.34	0.0017	1.7

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	11 U	9.8 U	10 U	9.6 U	9.5 U	10 U	9.3 U
2,4,5-TP (Silvex)	11 U	9.8 U	5.8 J	9.6 U	9.5 U	10 U	9.3 U
2,4-D	11 U	9.8 U	10 U	9.6 U	9.5 U	10 U	9.3 U
2,4-DB	11 U	9.8 U	10 U	9.6 U	9.5 U	10 U	9.3 U
Dalapon	84 U	77 U	80 U	75 U	74 U	83 U	73 U
Dicamba	26 U	24 U	25 U	23 U	23 U	1.3 J	22 U
Dichloroprop	130 U	120 U	120 U	120 U	110 U	130 U	110 U
Dinoseb	130 U	120 U	120 U	120 U	110 U	130 U	110 U
MCPA	2600 U	2400 U	2500 U	2300 U	2300 U	1700 J	2200 U
MCPP	3000	2400 U	2900	2300 U	2300 U	2500 U	2200 U
Pentachlorophenol	22 U	20 U	21 U	20 U	19 U	22 U	19 U
Total Herbicides	3000	ND	2905.8	ND	ND	1701.3	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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FXP File: D:\25501\TABLEPRS.FXP

File Number 10040.25501

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Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Compound	Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
	Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
2,4,5-T		8.8 U	9.1 U	9.2 U	11 U	9.2 U	10 U	11 U
2,4,5-TP (Silvex)		8.8 U	9.1 U	9.2 U	11 U	9.2 U	10 U	11 U
2,4-D		8.8 U	9.1 U	9.2 U	11 U	9.2 U	10 U	11 U
2,4-DB		8.8 U	9.1 U	9.2 U	11 U	9.2 U	10 U	11 U
Dalapon		69 U	71 U	72 U	83 U	72 U	81 U	85 U
Dicamba		21 U	22 U	22 U	26 U	22 U	24 U	26 U
Dichloroprop		110 U	110 U	110 U	130 U	110 U	120 U	130 U
Dinoseb		110 U	110 U	110 U	130 UJ	110 UJ	120 UJ	130 UJ
MCPA		2100 U	2200 U	2200 U	2600 U	2200 U	2400 U	2600 U
MCPP		2100 U	2200 U	2200 U	2600 U	2200 U	2400 U	2600 U
Pentachlorophenol		18 U	18 U	19 U	2.3 J	1.7 J	21 U	22 U
Total Herbicides		ND	ND	ND	2.3	1.7	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	11 U	9.9 UJ	11 UJ	9.8 U	9.1 U	9.2 U	9.4 UJ
2,4,5-TP (Silvex)	11 U	9.9 UJ	11 UJ	9.8 U	9.1 U	9.2 U	9.4 UJ
2,4-D	11 U	9.9 UJ	11 UJ	9.8 U	9.1 U	9.2 U	9.4 UJ
2,4-DB	11 U	9.9 UJ	11 UJ	9.8 U	9.1 U	7.7 J	9.4 UJ
Dalapon	84 U	77 UJ	86 UJ	78 U	71 U	73 U	74 UJ
Dicamba	26 U	24 UJ	26 UJ	24 U	22 U	22 U	23 UJ
Dichloroprop	130 U	120 UJ	130 UJ	120 U	110 U	110 U	110 UJ
Dinoseb	130 UJ	120 UJ	130 UJ	120 UJ	110 UJ	110 UJ	110 UJ
MCPA	2600 U	2400 UJ	2600 UJ	2400 U	2200 U	2200 U	2300 UJ
MCPP	2600 U	2400 UJ	2600 UJ	2400 U	2200 U	2200 U	2300 UJ
Pentachlorophenol	1.7 J	20 UJ	22 UJ	20 U	19 U	19 U	19 UJ
Total Herbicides	1.7	ND	ND	ND	ND	7.7	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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FXP File: D:\25501\TABLEPRS.FXP

File Number 10040.25501

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.6 UJ	9.3 UJ	11 UJ	11 UJ	9.9 U	10 U	11 U
2,4,5-TP (Silvex)	9.6 UJ	9.3 UJ	11 UJ	11 UJ	9.9 U	10 U	11 U
2,4-D	9.6 UJ	9.3 UJ	11 UJ	11 UJ	9.9 U	10 U	11 U
2,4-DB	9.6 UJ	9.3 UJ	11 UJ	11 UJ	9.9 U	10 U	11 U
Dalapon	76 UJ	73 UJ	83 UJ	86 UJ	78 U	82 U	87 U
Dicamba	23 UJ	22 UJ	26 UJ	26 UJ	24 U	25 U	27 U
Dichloroprop	120 UJ	110 UJ	130 UJ	130 UJ	120 U	120 U	130 U
Dinoseb	120 UJ	110 UJ	130 UJ	130 UJ	120 UJ	120 UJ	130 UJ
MCPA	1400 J	2200 UJ	2600 UJ	2600 UJ	2400 U	2500 U	2700 U
MCPP	2300 UJ	2200 UJ	2600 UJ	2600 UJ	2400 U	2500 U	2700 U
Pentachlorophenol	20 UJ	19 UJ	22 UJ	2.6 J	20 U	21 U	23 U
Total Herbicides	1400	ND	ND	2.6	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.0 U	9.0 U	10 U	9.6 U	0.50 U	9.8 U	8.9 U
2,4,5-TP (Silvex)	9.0 U	9.0 U	10 U	9.6 U	0.50 U	9.8 U	8.9 U
2,4-D	9.0 U	9.0 U	10 U	9.6 U	0.50 U	9.8 U	8.9 U
2,4-DB	9.0 U	9.0 U	10 U	9.6 U	0.50 U	9.8 U	8.9 U
Dalapon	71 U	71 U	79 U	75 U	120 U	76 U	70 U
Dicamba	22 U	22 U	24 U	23 U	1.2 U	24 U	22 U
Dichloroprop	110 U	110 U	120 U	120 U	6.0 U	120 U	110 U
Dinoseb	110 UJ	110 UJ	120 UJ	120 UJ	6.0 U	120 UJ	110 UJ
MCPA	2200 U	2200 U	2400 U	2300 U	120 U	2400 U	2200 U
MCPP	2200 U	2200 U	2400 U	2300 U	120 U	2400 U	2200 U
Pentachlorophenol	18 U	18 U	21 U	20 U	1.0 U	20 U	18 U
Total Herbicides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.3 U	9.6 U	11 U	10 U	9.8 U	10 U	10 U
2,4,5-TP (Silvex)	9.3 U	9.6 U	11 U	10 U	9.8 U	10 U	10 U
2,4-D	9.3 U	9.6 U	11 UJ	10 U	9.8 U	10 U	10 U
2,4-DB	9.3 U	9.6 U	11 U	10 U	9.8 U	10 U	10 U
Dalapon	72 U	76 U	87 UJ	81 U	77 U	82 U	81 U
Dicamba	22 U	23 U	27 U	25 U	24 U	25 U	25 U
Dichloroprop	110 U	120 U	130 UJ	120 U	120 U	130 U	120 U
Dinoseb	110 UJ	120 UJ	130 UJ	120 UJ	120 UJ	130 UJ	120 UJ
MCPA	2200 U	2300 U	2700 UJ	2500 U	2400 U	2500 U	2500 U
MCPP	2200 U	2300 U	2700 UJ	2500 U	2400 U	2500 U	2500 U
Pentachlorophenol	19 UJ	20 UJ	23 UJ	21 UJ	20 UJ	22 UJ	21 U
Total Herbicides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
2,4,5-T	9.6 U	9.6 U	9.9 U	8.6 U	11 U	11 U	0.50 U
2,4,5-TP (Silvex)	9.6 U	9.6 U	9.9 U	8.6 U	11 U	11 U	0.50 U
2,4-D	9.6 U	9.6 U	9.9 U	8.6 U	11 U	11 U	0.50 U
2,4-DB	9.6 U	9.6 U	9.9 U	8.6 U	11 U	11 U	0.50 U
Dalapon	75 U	75 U	78 U	68 U	85 U	83 U	120 U
Dicamba	23 U	23 U	24 U	21 U	26 U	26 U	1.2 U
Dichloroprop	120 U	120 U	120 U	100 U	130 U	130 U	6.0 U
Dinoseb	120 UJ	120 UJ	120 UJ	100 UJ	130 UJ	130 UJ	6.0 U
MCPA	2300 U	2300 U	2400 U	2100 U	2600 U	2600 U	120 U
MCPP	2300 U	2300 U	2400 U	2100 U	2600 U	2600 U	120 U
Pentachlorophenol	20 UJ	20 UJ	20 UJ	18 UJ	22 UJ	22 UJ	1.0 U
Total Herbicides	ND	ND	ND	ND	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	9.9 U	9.0 U	8.6 U	8.7 U	8.6 U	11 U	10 U
2,4,5-TP (Silvex)	1.5 J	9.0 U	8.6 U	8.7 U	8.6 U	11 U	10 U
2,4-D	9.9 U	9.0 U	8.6 U	8.7 U	8.6 U	11 U	10 U
2,4-DB	9.9 U	9.0 U	8.6 U	8.7 U	8.6 U	11 U	10 U
Dalapon	77 U	71 U	68 U	68 U	68 U	83 U	83 U
Dicamba	24 U	22 U	21 U	21 U	21 U	26 U	25 U
Dichloroprop	120 U	110 U	100 U	100 U	100 U	130 U	130 U
Dinoseb	120 U	110 U	100 U	100 U	100 U	130 U	130 U
MCPA	2400 U	2200 U	2100 U	2100 U	2100 U	2600 U	2500 U
MCPP	2400 U	2200 U	2100 U	2100 U	2100 U	2600 U	2500 U
Pentachlorophenol	20 U	18 U	18 U	5.9 J	1.8 J	3.1 J	22 U
Total Herbicides	1.5	ND	ND	5.9	1.8	3.1	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l
Compound							
2,4,5-T	9.2 U	9.3 U	9.5 U	10 U	8.5 U	8.5 U	0.50 U
2,4,5-TP (Silvex)	9.2 U	9.3 U	9.5 U	10 U	8.5 U	8.5 U	0.50 U
2,4-D	9.2 U	9.3 U	9.5 U	10 U	8.5 U	8.5 U	0.50 U
2,4-DB	9.2 U	9.3 U	9.5 U	10 U	8.5 U	8.5 U	0.50 U
Dalapon	72 U	73 U	74 U	80 U	67 U	67 U	120 U
Dicamba	22 U	22 U	23 U	25 U	20 U	20 U	1.2 U
Dichloroprop	110 U	110 U	110 U	120 U	100 U	100 U	6.0 U
Dinoseb	110 U	110 UJ	110 UJ	120 UJ	100 U	100 UJ	6.0 U
MCPA	2200 U	2300	2300 U	2500 U	2000 U	2000 U	120 U
MCPP	2200 U	2900	2300 U	2900	2000 U	2000 U	120 U
Pentachlorophenol	3.6 J	19 U	20 U	21 U	17 U	17 U	1.0 U
Total Herbicides	3.6	5200	ND	2900	ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

	Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
	Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
	Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/l	ug/kg dw
Compound								
2,4,5-T		9.1 U	9.2 U	9.9 U	9.7 U	9.7 U	0.50 U	9.5 U
2,4,5-TP (Silvex)		9.1 U	9.2 U	9.9 U	9.7 U	9.7 U	0.50 U	9.5 U
2,4-D		9.1 U	9.2 U	9.9 U	9.7 U	9.7 U	0.50 U	9.5 U
2,4-DB		9.1 U	9.2 U	9.9 U	9.7 U	9.7 U	0.50 U	9.5 U
Dalapon		71 U	72 U	77 U	76 U	76 U	120 U	75 U
Dicamba		22 U	22 U	24 U	23 U	23 U	1.2 U	23 U
Dichloroprop		110 U	110 U	120 U	120 U	120 U	6.0 U	110 U
Dinoseb		110 UJ	110 UJ	120 UJ	120 UJ	120 UJ	6.0 U	110 UJ
MCPA		2200 U	2200 U	2400 U	2300 U	2300 U	120 U	2300 U
MCPP		2200 U	2200 U	3000	2300 U	2300 U	120 U	2300 U
Pentachlorophenol		19 U	19 U	20 U	20 U	1.4 J	1.0 U	4.5 J
Total Herbicides		ND	ND	3000	ND	1.4	ND	4.5

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw	ug/kg dw
Compound							
2,4,5-T	10 U	11 U	9.9 U	9.3 U	9.1 U	9.2 U	9.4 U
2,4,5-TP (Silvex)	10 U	11 U	9.9 U	9.3 U	9.1 U	9.2 U	9.4 U
2,4-D	10 U	11 U	9.9 U	9.3 U	9.1 U	9.2 U	9.4 U
2,4-DB	10 U	11 U	9.9 U	9.3 U	9.1 U	9.2 U	9.4 U
Dalapon	82 U	90 U	77 U	73 U	71 U	72 U	74 U
Dicamba	25 U	28 U	24 U	22 U	22 U	22 U	23 U
Dichloroprop	130 U	140 U	120 U	110 U	110 U	110 U	110 U
Dinoseb	130 UJ	140 UJ	120 UJ	110 UJ	110 UJ	110 UJ	110 U
MCPA	2500 U	2800 U	2400 U	2200 U	2200 U	2200 U	2300 U
MCPP	2500 U	2800 U	2400 U	2200 U	2200 U	2200 U	2300 U
Pentachlorophenol	21 U	1.8 J	20 U	19 U	19 U	1.9 J	19 U
Total Herbicides	ND	1.8	ND	ND	ND	1.9	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-5
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8151A Herbicide Data

	Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
	Sample Date	11/19/99	11/19/99	11/19/99
	Units	ug/kg dw	ug/l	ug/kg dw
Compound				
2,4,5-T		9.3 U	0.50 U	9.2 U
2,4,5-TP (Silvex)		9.3 U	0.50 U	9.2 U
2,4-D		9.3 U	0.50 U	9.2 U
2,4-DB		9.3 U	0.50 U	9.2 U
Dalapon		73 U	120 U	72 U
Dicamba		22 U	1.2 U	22 U
Dichloroprop		110 U	6.0 U	110 U
Dinoseb		110 U	6.0 U	110 U
MCPA		2200 U	120 U	2200 U
MCPP		2200 U	120 U	2200 U
Pentachlorophenol		19 U	1.0 U	19 U
Total Herbicides		ND	ND	ND

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S1-3-6FT	DAS-T1-S2-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S1-3-6FT
	Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/18/00
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		8400	10000	12000	3500	5600	5800	4900
Antimony		R	1.2 J	R	2.1 UJ	1.9 UJ	2.3 UJ	2.0 UJ
Arsenic		7.3	12	6.8	3.8	5.1	5.9	5.0
Barium		170 J	190 J	200 J	120 J	190 J	140 J	170 J
Beryllium		0.5	0.68	0.72	0.24 J	0.39	0.40 J	0.36 J
Cadmium		0.11 J	8.9	1.3	0.16 J	0.27 J	0.31 J	0.27 J
Calcium		8400 J	3800 J	12000 J	8700	16000	6200	15000
Chromium		13	18	18	6.5	9.7	9.9	8.9
Cobalt		6.4	6.8	7.7	4.1	5.3	5.7	5.3
Copper		11	180	41	5.4	11	13	10
Cyanide, Total		0.65 U	0.6 U	0.62 U	0.58 U	0.57 U	0.64 U	0.56 U
Iron		14000 J	18000 J	18000 J	8300	11000	12000	11000
Lead		8.5	160	45	5.5	7.6	11	8.1
Magnesium		5700	3100	5200	4100 J	6100 J	4400 J	5800 J
Manganese		420 J	370 J	410 J	240	270	350	250
Mercury		0.02 J	0.0041 J	0.06 J	0.0088 UJ	0.02 UJ	0.024 UJ	0.017 UJ
Molybdenum		0.5 J	1.5	0.62 J	0.27 J	0.47 J	0.41 J	0.42 J
Nickel		16	20	20	11	14	15	14
Potassium		1800	2200	2300	750	1300	1100	1100
Selenium		1.1 U	1.1 U	1.1 U	1.1 U	0.96 U	1.2 U	1.0 U
Silver		1.1 U	0.98 J	1.1 U	1.1 U	0.96 U	1.2 U	1.0 U
Sodium		120 U	120 U	410 J	110 U	130 U	140 U	140 U
Thallium		1.1 U	0.84 UJ	1.1 U	1.1 U	0.96 U	1.2 U	1.0 U
Vanadium		25	31	31	12 J	17 J	18 J	16 J
Zinc		42 J	770 J	150 J	25	37	50	36

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T2-S2-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T3-S1-3-6FT	DAS-T3-S2-3-6FT	DAS-T3-S3-3-6FT	DAS-T4-S1-3-6FT
Sample Date	04/18/00	04/18/00	04/18/00	04/19/00	04/19/00	04/19/00	04/19/00
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	2800	3100	2600	5700	3300	6100	6500
Antimony	2.1 UJ	2.2 UJ	2.0 UJ	2.6 UJ	2.2 UJ	2.5 UJ	2.6 UJ
Arsenic	3.4	3.8	3.1	5.7	3.6	5.1	5.6
Barium	110 J	110 J	89 J	200	170	200	190
Beryllium	0.19 J	0.22 J	0.18 J	0.42 J	0.23 J	0.42 J	0.46 J
Cadmium	0.14 J	0.11 J	0.51 U	0.24 J	0.15 J	0.28 J	0.29 J
Calcium	5900	5300	4500	19000 J	13000 J	17000 J	15000 J
Chromium	6.5	6.6	5.5	10	6.8	10	11
Cobalt	4.0	4.3	3.8	5.7	4.1	5.6	6.3
Copper	3.7	4.8	3.7	12	4.4	11	13
Cyanide, Total	0.53 U	0.55 U	0.56 U	0.65 U	0.56 U	0.62 U	0.66 U
Iron	7900	8400	7100	12000	8500	12000	13000
Lead	5.5	5.6	4.9	8.9	5.5	8.3	9.9
Magnesium	3500 J	3600 J	2900 J	7200	5000	5900	6900
Manganese	140	160	160	270	180	350	360
Mercury	0.021 U	0.02 U	0.02 U	0.023	0.0080 J	0.019 J	0.018 J
Molybdenum	0.16 J	0.25 J	0.24 J	0.42 J	0.30 J	0.52 J	0.42 J
Nickel	10	11	9.3	16	10	14	16
Potassium	580	670	560	1300	720	1400	1300
Selenium	1.1 U	1.1 U	1.0 U	1.3 U	1.1 U	1.2 U	1.3 U
Silver	1.1 U	1.1 U	1.0 U	1.3 U	1.1 U	1.2 U	1.3 U
Sodium	140 U	110 U	100 U	160	120	160	140
Thallium	1.1 U	0.63 J	1.0 U	1.3 U	1.1 U	1.2 U	1.3 U
Vanadium	12 J	13 J	10 J	18	13	19	20
Zinc	25	25	22	41 J	26 J	38 J	47 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T4-S1-3-6FTFD	DAS-T4-S2-3-6FT	DAS-T4-S3-3-6FT	DAS-T5-S1-3-6FT	DAS-T5-S2-3-6FT	DAS-T5-S3-3-6FT	DAS-T6-S1-3-6FT
Sample Date	04/19/00	04/20/00	04/20/00	04/19/00	04/19/00	04/19/00	04/20/00
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	6600	4100	5500	5300	4000	3600	5500
Antimony	2.6 UJ	2.2 UJ	2.4 UJ	2.4 UJ	2.2 UJ	2.0 UJ	2.3 UJ
Arsenic	5.9	4.5	4.4	5.4	4.3	4.5	6.0
Barium	190	140	130	200	180	160	200
Beryllium	0.45 J	0.29 J	0.36 J	0.40 J	0.29 J	0.28 J	0.38 J
Cadmium	0.25 J	0.18 J	0.20 J	0.33 J	0.19 J	0.34 J	0.59
Calcium	15000 J	11000	6800	19000 J	15000 J	13000 J	18000
Chromium	11	8.1	10	9.7	7.7	7.3	10
Cobalt	5.9	4.7	5.1	5.8	4.6	4.6	5.3
Copper	12	6.2	8.7	12	6.3	8.2	12
Cyanide, Total	0.65 U	0.60 U	0.66 U	0.60 U	0.55 U	0.56 U	0.57 U
Iron	13000	9900	11000	12000	9800	9200	12000
Lead	9.6	6.4	7.7	8.9	6.7	9.0	16
Magnesium	6700	5100	4700	6400	5700	4900	6800
Manganese	350	190	280	290	230	200	240
Mercury	0.020 J	0.015 UJ	0.021 UJ	0.020 J	0.011 J	0.014 J	0.022 UJ
Molybdenum	0.41 J	0.39 J	0.46 J	0.45 J	0.35 J	0.35 J	0.39 J
Nickel	16	12	14	15	12	12	15
Potassium	1300	880 J	1100 J	1100	930	1100	1200 J
Selenium	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.0 U	1.1 U
Silver	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.0 U	1.1 U
Sodium	140	100	99	160	120	110	140
Thallium	1.3 U	1.1 U	1.2 U	1.2 U	1.1 U	1.0 U	1.1 U
Vanadium	20	15	17	17	14	13	18
Zinc	44 J	30	36	40 J	31 J	41 J	60

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	DAS-T6-S2-3-6FT	DAS-T6-S3-3-6FT	DAS-T7-S1-3-6FT	DAS-T7-S2-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S2-3-6FT	UAS-T1-S3-3-6FT
Sample Date	04/20/00	04/20/00	04/20/00	04/20/00	11/10/99	11/10/99	11/11/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	6700	5600	7900	9700	12000 J	7400 J	17000 J
Antimony	2.3 UJ	2.2 UJ	2.3 UJ	0.60 J	0.72 J	0.68 J	0.84 J
Arsenic	6.1	5.7	6.6	5.5	8.7	6.5	8.7
Barium	200	190	220	280	260	210	260
Beryllium	0.45 J	0.38 J	0.50	0.49	0.73	0.48 J	0.93
Cadmium	0.32 J	0.29 J	0.37 J	7.9	0.53 J	0.13 J	0.45 J
Calcium	17000	14000	17000	4700	15000 J	17000 J	16000 J
Chromium	11	9.8	13	130	19	13	25
Cobalt	5.8	5.4	6.8	5.7	8.4	5.5	11
Copper	12	9.4	14	62	21	13	24
Cyanide, Total	0.58 U	0.56 U	0.64 U	0.66 U	0.60 U	0.63 U	0.66 U
Iron	13000	12000	15000	11000	19000	13000	22000
Lead	8.8	8.0	10	77	14	8.9	15
Magnesium	6600	6400	7000	3200	8300	6900	7800
Manganese	290	270	400	150	550	240	980
Mercury	0.026 UJ	0.078 J	0.027 UJ	0.12 J	0.031	0.021 J	0.035
Molybdenum	0.42 J	0.46 J	0.52 J	0.33 J	0.57 J	0.32 J	0.76 J
Nickel	16	14	17	19	23	15	33
Potassium	1500 J	1200 J	1700 J	2100 J	2400	1500	2700
Selenium	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U
Silver	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U	1.2 U
Sodium	120	130	160	260	230 U	180 U	140 U
Thallium	1.2 U	1.1 U	1.2 U	0.72 J	1.2 U	1.3 U	1.2 U
Vanadium	20	18	23 J	23 J	35	23	45
Zinc	42	37	74	1200	250 J	43 J	80 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T1-S4-3-6FT	UAS-T1-S5-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T1-S7-3-6FTFD	UAS-T2-S1-3-6FT
Sample Date	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/11/99	11/12/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l	mg/kg dw	mg/kg dw
Compound							
Aluminum	4300 J	3800 J	6700 J	7000 J	0.064 J	8000 J	6100 J
Antimony	0.60 J	0.59 J	2.2 U	2.1 U	0.020 U	2.4 U	2.2 U
Arsenic	4.2	4.0	5.5	5.5	0.010 U	6.0	5.2
Barium	160	140	200	170	0.010 U	170	190
Beryllium	0.27 J	0.25 J	0.43 J	0.44	0.0040 U	0.49	0.37 J
Cadmium	0.10 J	0.54 U	0.23 J	0.30 J	0.0050 U	0.36 J	0.16 J
Calcium	11000 J	11000 J	18000 J	11000 J	0.31 J	9800 J	14000 J
Chromium	11	7.8	11	11	0.010 U	13	11
Cobalt	4.4	4.3	5.4	5.5	0.010 U	5.9	4.9
Copper	6.8	4.0	14	16	0.020 U	17	8.0
Cyanide, Total	0.54 U	0.54 U	0.61 U	0.59 U	0.010 U	0.59 U	0.54 U
Iron	9300	8700	12000	12000	0.050 U	13000	11000
Lead	7.3	5.4	9.1	11	0.0050 U	12	7.3
Magnesium	4700	4400	6800	5600	0.50 U	5400	6000
Manganese	170	170	280	310	0.010 U	320	220
Mercury	0.0078 J	0.0059 J	0.070	0.020 J	0.00020 U	0.022	0.014 J
Molybdenum	0.21 J	0.20 J	0.39 J	0.37 J	0.010 U	0.38 J	0.19 J
Nickel	12	11	14	14	0.040 U	15	13
Potassium	880	760	1400	1300	1.0 U	1500	1200
Selenium	0.99 U	1.1 U	1.1 U	1.1 U	0.010 U	1.2 U	1.1 U
Silver	0.99 U	1.1 U	1.1 U	1.1 U	0.010 U	1.2 U	1.1 U
Sodium	120 U	130 U	180 U	160 U	0.84	140 U	150 U
Thallium	0.99 U	1.1 U	1.1 U	1.1 U	0.010 U	1.2 U	1.1 U
Vanadium	16	14	21	21	0.010 U	24	20
Zinc	34 J	28 J	45 J	56 J	0.020 U	63 J	37 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T2-S2-3-6FT	UAS-T2-S3-3-6FT	UAS-T2-S4-3-6FT	UAS-T2-S5-3-6FT	UAS-T2-S6-3-6FT	UAS-T3-S1-3-6FT	UAS-T3-S2-3-6FT
	Sample Date	11/12/99	11/12/99	11/12/99	11/12/99	11/12/99	11/15/99	11/15/99
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		5200 J	4500 J	11000 J	5400 J	7700 J	9400 J	14000 J
Antimony		2.2 U	2.1 U	2.7 U	0.67 J	2.4 U	0.79 J	2.5 UJ
Arsenic		4.3	4.0	7.0	4.3	5.4	7.0	8.5
Barium		160 J	140 J	220 J	160 J	220 J	200 J	250
Beryllium		0.40 U	0.37 U	0.71 U	0.44 U	0.57 U	0.66 U	0.73
Cadmium		0.19 J	0.11 J	0.29 J	0.15 J	0.32 J	0.57 J	0.23 J
Calcium		11000 J	9200 J	15000 J	14000 J	15000 J	11000 J	13000 J
Chromium		9.6	8.6	15	8.8	12	14	20
Cobalt		4.9	4.7	8.3	4.6	6.1	7.2	8.1
Copper		7.6	5.9	16	9.3	13	15	19
Cyanide, Total		0.56 U	0.58 U	0.68 U	0.63 U	0.60 U	0.63 U	0.63 U
Iron		9700	9100	16000	9800	12000	15000	19000
Lead		7.0	6.4	12	7.8	11	12	13 J
Magnesium		5000	4300	6800	5900	6200	6900	7700
Manganese		190	170	480	210	310	380	550
Mercury		0.0058 J	0.0088 J	0.029	0.010 J	0.015 J	0.024 J	0.033
Molybdenum		0.77 J	0.52 J	0.70 J	0.45 J	0.68 J	0.91 J	0.30 J
Nickel		11	11	20	11	15	18	22
Potassium		1100 J	870 J	2000 J	1200 J	1800 J	1900 J	2700 J
Selenium		0.51 J	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
Silver		1.0 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
Sodium		110 U	93 U	160 U	120 U	130 U	150 U	150 U
Thallium		1.0 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U
Vanadium		17 J	15 J	28 J	17 J	23 J	26 J	38
Zinc		34 J	30 J	57 J	39 J	51	260	65

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD	UAS-T3-S4-3-6FT	UAS-T3-S5-3-6FT	UAS-T3-S6-3-6FT	UAS-T3-S7-3-6FT	UAS-T3-S7-3-6FTEB
	Sample Date	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/15/99	11/16/99
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l
Aluminum		6000 J	7100 J	6700 J	2100 J	13000 J	6600 J	0.064 J
Antimony		0.78 J	2.1 U	2.4 U	1.9 U	0.67 J	0.79 J	0.020 U
Arsenic		4.7	4.9	5.3	1.9	5.8	5.8	0.010 U
Barium		200 J	220 J	160 J	45 J	190 J	210 J	0.010 U
Beryllium		0.49 U	0.54 U	0.58 U	0.24 U	0.89 J	0.56 U	0.0040 U
Cadmium		0.18 J	0.17 J	0.30 J	0.48 U	0.57	0.17 J	0.0050 U
Calcium		15000 J	16000 J	10000 J	2400 J	6900 J	18000 J	0.44 J
Chromium		9.8	12	11	5.6	21	11	0.010 U
Cobalt		5.3	5.6	6.0	2.8	7.4	5.8	0.010 U
Copper		8.8	9.1	14	2.8	19	10	0.020 U
Cyanide, Total		0.58 U	0.58 U	0.60 U	0.53 U	0.66 U	0.65 U	0.010 U
Iron		11000	12000	13000	5000	19000	12000	0.050 U
Lead		7.7	8.2	11	4.5	17	8.8	0.0050 U
Magnesium		6400	6900	5600	1700	4900	6600	0.50 U
Manganese		240	260	250	92	300	270	0.010 U
Mercury		0.014 J	0.014 J	0.019 J	0.0029 J	0.078	0.020 J	0.00020 U
Molybdenum		0.54 J	0.89 J	0.38 J	0.25 J	0.54 J	0.95 J	0.010 U
Nickel		13	14	15	7.4	20	14	0.040 U
Potassium		1400 J	1500 J	1500 J	490 J	2700 J	1500 J	1.0 U
Selenium		1.1 U	1.2 U	1.2 U	0.96 U	1.1 U	1.3 U	0.010 U
Silver		1.1 U	1.2 U	1.2 U	0.96 U	1.1 U	1.3 U	0.010 U
Sodium		120 U	140 U	110 U	48 U	110 U	170 U	0.68
Thallium		1.1 U	1.2 U	1.2 U	0.96 U	1.1 U	1.3 U	0.010 U
Vanadium		18 J	22 J	21 J	7.7 J	33 J	20 J	0.010 U
Zinc		37	40	53	24	82	45	0.020 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T4-S1-3-6FT	UAS-T4-S2-3-6FT	UAS-T4-S3-3-6FT	UAS-T4-S3-3-6FTFD	UAS-T4-S4-3-6FT	UAS-T4-S5-3-6FT	UAS-T4-S6-3-6FT
	Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/16/99	11/16/99
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Aluminum		9000 J	6700 J	2900 J	3700 J	3800 J	6200 J	8300 J
Antimony		2.4 UJ	2.0 UJ	2.1 UJ	2.1 UJ	2.1 UJ	2.6 UJ	2.3 UJ
Arsenic		5.8	4.5	3.2	3.4	3.7	4.3	5.9
Barium		210	200	85	90	90	160	190
Beryllium		0.50	0.36 J	0.18 J	0.21 J	0.25 J	0.36 J	0.46 J
Cadmium		0.13 J	0.45 J	0.53 U	0.53 U	0.22 J	0.64 U	0.58 U
Calcium		15000 J	130000 J	6100 J	6800 J	7800 J	10000 J	16000 J
Chromium		14	17	8.1 J	18 J	10	11	13
Cobalt		5.9	4.2	4.2	4.3	4.3	4.9	5.3
Copper		12	19	3.0 J	4.4 J	7.6	6.3	9.5
Cyanide, Total		0.60 U	0.54 U	0.53 U	0.53 U	0.53 U	0.64 U	0.64 U
Iron		14000	9200	7600	8100	8300	11000	13000
Lead		8.5	42	5.8	7.1	10	6.8	7.9
Magnesium		6800	11000	2800	3000	3200	5600	6400
Manganese		320 J	330 J	130 J	140 J	150 J	240 J	240 J
Mercury		0.017 J	0.028	0.0042 J	0.0064 J	0.0062 J	0.0080 J	0.013 J
Molybdenum		0.24 J	0.64 J	1.1 U	0.26 J	0.22 J	0.37 J	0.17 J
Nickel		16	14	11 J	16 J	12	13	14
Potassium		1700 J	1500 J	570 J	700 J	770 J	1300 J	1600 J
Selenium		1.2 U	0.99 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U
Silver		1.2 U	0.99 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U
Sodium		180 U	380 J	100 U	100 U	110 U	150 U	170 U
Thallium		1.2 U	0.99 U	1.1 U	1.1 U	1.1 U	1.3 U	1.2 U
Vanadium		26	20	11	13	13	20	25
Zinc		44	95	24	29	40	35	39

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T4-S7-3-6FT	UAS-T5-S1-3-6FT	UAS-T5-S2-3-6FT	UAS-T5-S3-3-6FT	UAS-T5-S4-3-6FT	UAS-T5-S5-3-6FT	UAS-T5-S5-3-6FTEB
Sample Date	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99	11/17/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l
Compound							
Aluminum	8200 J	8700 J	6500 J	9600 J	5300 J	4800 J	0.029 J
Antimony	2.2 UJ	2.0 U	2.3 U	2.5 U	1.9 UJ	1.9 U	0.020 U
Arsenic	6.0	6.1	4.9	6.4	3.5	4.1	0.010 U
Barium	150	190	200	210	93	130	0.010 U
Beryllium	0.49	0.52	0.38 J	0.56	0.29 J	0.28 J	0.0040 U
Cadmium	1.0	0.33 J	0.16 J	0.26 J	0.084 J	0.13 J	0.0050 U
Calcium	25000 J	15000 J	19000 J	17000 J	3500 J	10000 J	0.12 J
Chromium	15	15	11	15	12	20	0.010 U
Cobalt	5.8	6.0	4.8	6.1	3.9	4.4	0.010 U
Copper	30	15	6.7	16	5.8	5.7	0.020 U
Cyanide, Total	0.56 U	0.56 U	0.58 U	0.62 U	0.52 U	0.52 U	0.010 U
Iron	16000	14000	11000	15000	8500	9000	0.050 U
Lead	130	11	6.6	11	6.3	6.2	0.0050 U
Magnesium	9000	6500	6200	7400	2600	4100	0.50 U
Manganese	350 J	320	260	310	140 J	180	0.010 U
Mercury	0.039	0.024	0.011 J	0.030	0.086	0.010 J	0.00020 U
Molybdenum	0.76 J	0.25 J	1.1 U	0.23 J	0.22 J	0.17 J	0.010 U
Nickel	18	16	12	16	12	17	0.040 U
Potassium	1600 J	1600 J	1400 J	1800 J	950 J	950 J	1.0 U
Selenium	1.1 U	1.1 U	1.1 U	1.1 U	0.95 U	1.0 U	0.010 U
Silver	1.1 U	1.1 U	1.1 U	1.1 U	0.95 U	1.0 U	0.010 U
Sodium	190 U	130 U	130 U	140 U	88 U	89 U	0.40 J
Thallium	1.1 U	1.1 U	1.1 U	1.1 U	0.95 U	1.0 U	0.010 U
Vanadium	25	26	20	26	16	16	0.010 U
Zinc	190	56	35	55	31	32	0.020 U

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T5-S6-3-6FT	UAS-T5-S6-3-6FTFD	UAS-T6-S1-3-6FT	UAS-T6-S2-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T6-S4-3-6FT
	Sample Date	11/17/99	11/17/99	11/18/99	11/18/99	11/18/99	11/18/99	11/18/99
	Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/l	mg/kg dw
Aluminum		5500 J	6100 J	9000 J	6600	8200	0.20 U	9600
Antimony		2.2 U	2.2 U	2.4 U	2.1 U	2.4 U	0.020 U	1.1 J
Arsenic		4.9	5.0	6.1	5.5	7.8	0.010 U	5.9
Barium		160	180	220	180	200	0.010 U	190
Beryllium		0.34 J	0.37 J	0.50 J	0.43 J	0.52 J	0.00069 J	0.63 J
Cadmium		0.18 J	0.20 J	0.23 J	0.73	0.96	0.0050 U	0.65
Calcium		12000 J	13000 J	18000 J	17000 J	34000 J	0.17 J	26000 J
Chromium		10	11	15	12	17	0.010 U	21
Cobalt		5.0	5.1	5.8	5.1	7.9	0.010 U	8.6
Copper		6.9	7.3	12	14	35	0.020 U	22
Cyanide, Total		0.55 U	0.56 U	0.59 U	0.59 U	0.59 U	0.010 U	0.57 U
Iron		10000	11000	14000	12000	15000	0.050 U	18000
Lead		7.1	7.4	8.3 J	25 J	240 J	0.0050 U	160 J
Magnesium		5300	5500	6900	6000	5700	0.50 U	4800
Manganese		220	230	350	270	400	0.010 U	360
Mercury		0.014 J	0.012 J	0.025	0.045	0.19	0.00020 U	0.056
Molybdenum		1.1 U	0.16 J	0.48 J	0.27 J	1.0 J	0.010 U	1.1
Nickel		13	13	16	14	19	0.040 U	24
Potassium		1100 J	1300 J	2000 J	1200 J	1400 J	1.0 U	1300 J
Selenium		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	0.010 U	1.0 U
Silver		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	0.010 U	1.0 U
Sodium		130 U	120 U	130 U	130 U	230 U	0.43 J	190 U
Thallium		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	0.010 U	1.0 U
Vanadium		18	20	26	21	25	0.010 U	29
Zinc		37	38	45 J	89 J	160 J	0.020 U	130 J

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Sample ID	UAS-T6-S5-3-6FT	UAS-T7-S1-3-6FT	UAS-T7-S2-3-6FT	UAS-T7-S3-3-6FT	UAS-T7-S3-3-6FTFD	UAS-T7-S4-3-6FT	UAS-T7-S5-3-6FT
Sample Date	11/18/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99
Units	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw	mg/kg dw
Compound							
Aluminum	12000	22000	8500	7500 J	5500 J	6100	7200
Antimony	2.6	5.6 UJ	2.0 UJ	2.1 UJ	2.0 UJ	2.0 UJ	2.3 UJ
Arsenic	6.5	11	5.7	5.4 J	4.1 J	4.5	5.1
Barium	180	290	200	200 J	160 J	180	190
Beryllium	0.58 J	1.2 J	0.63 U	0.56 U	0.45 U	0.48 U	0.56 U
Cadmium	0.66	5.4	0.33 J	0.33 J	0.20 J	0.38 J	0.28 J
Calcium	64000 J	9600 J	17000 J	15000 J	13000 J	14000 J	14000
Chromium	19	50	14	80 J	9.8 J	11	13
Cobalt	6.6	11	6.1	6.4 J	5.0 J	5.1	5.8
Copper	34	33	14	12 J	7.1 J	8.1	9.8
Cyanide, Total	0.64 U	0.69 U	0.60 U	0.57 U	0.56 U	0.56 U	0.57 U
Iron	16000	26000 J	13000 J	13000 J	10000 J	11000	12000 J
Lead	130 J	37 J	9.2 J	11 J	7.2 J	10 J	9.0 J
Magnesium	5600	7100	6800	6600	5400	6400	6500
Manganese	390	260	260	290 J	200 J	220	270
Mercury	0.051	0.29	0.022	0.021 J	0.016 J	0.015 J	0.017 J
Molybdenum	0.73 J	0.74 J	0.47 J	0.79 J	0.78 J	0.45 J	0.66 UJ
Nickel	19	42	16	55 J	12 J	13	15
Potassium	1600 J	4000 J	1700 J	1600 J	1100 J	1300 J	1600
Selenium	1.2 U	2.8 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Silver	1.2 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Sodium	230 U	200 U	170 U	170 U	150 U	160 U	150
Thallium	1.2 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Vanadium	33	50	24	23 J	17 J	19	22
Zinc	98 J	1800	46	51 J	36 J	49	43

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-6
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 6010B/7470A/7471A/9010B Inorganic Data

Compound	Sample ID	UAS-T7-S6-3-6FT	UAS-T7-S6-3-6FTEB	UAS-T7-S7-3-6FT
	Sample Date	11/19/99	11/19/99	11/19/99
	Units	mg/kg dw	mg/l	mg/kg dw
Aluminum		9400	0.20 U	6000
Antimony		0.56 J	0.020 U	2.2 UJ
Arsenic		6.1	0.010 U	4.7
Barium		170	0.010 U	180
Beryllium		0.71 U	0.00090 J	0.53 U
Cadmium		0.72	0.0050 U	0.40 J
Calcium		6000 J	0.18 J	12000 J
Chromium		15	0.010 U	11
Cobalt		7.0	0.010 U	5.3
Copper		16	0.020 U	9.8
Cyanide, Total		0.56 U	0.010 U	0.56 U
Iron		15000 J	0.050 U	11000 J
Lead		25 J	0.0050 U	15 J
Magnesium		4300	0.50 U	5500
Manganese		300	0.010 U	230
Mercury		0.039	0.00020 U	0.023
Molybdenum		0.84 UJ	0.010 U	0.78 UJ
Nickel		18	0.040 U	13
Potassium		1800	1.0 U	1400
Selenium		1.1 U	0.010 U	1.1 U
Silver		1.1 U	0.010 U	1.1 U
Sodium		120 U	0.38 J	170 U
Thallium		1.1 U	0.010 U	1.1 U
Vanadium		27	0.010 U	19
Zinc		93	0.020 U	60

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

O'BRIEN & GERE ENGINEERS, INC.

Table 3-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	BS-EE-04-3-6FT	BS-EE-20-3-6FT	BS-EEG-108-3-6FT	DAS-T1-S3-3-6FT	DAS-T2-S3-3-6FT	DAS-T2-S3-3-6FTFD	DAS-T5-S2-3-6FT
Sample Date	01/26/00	01/24/00	01/27/00	04/18/00	04/18/00	04/18/00	04/19/00
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	0.06 UJ	0.08 J	1.3	0.44 JM	0.25 JM	0.44 JM	0.1 M
1,2,3,4,6,7,8,9-OCDF	0.05 UJ	0.03 UJ	0.21	0.1 J	0.05 UJ	0.08 J	0.04 U
1,2,3,4,6,7,8-HpCDD	0.04 UJ	0.02 UJ	0.1	0.05 UJ	0.04 U	0.05 U	0.03 U
1,2,3,4,6,7,8-HpCDF	0.03 UJ	0.01 UJ	0.04	0.04 UJ	0.03 U	0.03 U	0.02 U
1,2,3,4,7,8,9-HpCDF	0.03 UJ	0.01 UJ	0.02 U	0.04 UJ	0.03 U	0.03 U	0.03 U
1,2,3,4,7,8-HxCDD	0.03 UJ	0.01 UJ	0.02 U	0.03 UJ	0.03 U	0.03 U	0.02 U
1,2,3,4,7,8-HxCDF	0.02 UJ	0.01 UJ	0.02 U	0.03 UJ	0.02 UJ	0.02 UJ	0.02 U
1,2,3,6,7,8-HxCDD	0.04 UJ	0.02 UJ	0.02 U	0.06 UJ	0.04 U	0.05 U	0.02 U
1,2,3,6,7,8-HxCDF	0.02 UJ	0.01 UJ	0.02 U	0.03 UJ	0.02 U	0.03 U	0.02 U
1,2,3,7,8,9-HxCDD	0.05 UJ	0.02 UJ	0.03 U	0.07 UJ	0.06 U	0.06 U	0.02 U
1,2,3,7,8,9-HxCDF	0.02 UJ	0.01 UJ	0.02 U	0.03 UJ	0.02 U	0.03 U	0.02 U
1,2,3,7,8-PeCDD	0.05 UJ	0.03 UJ	0.04 U	0.1 U	0.09 U	0.08 U	0.06 U
1,2,3,7,8-PeCDF	0.03 UJ	0.01 UJ	0.02 U	0.05 U	0.04 U	0.04 U	0.03 U
2,3,4,6,7,8-HxCDF	0.02 UJ	0.01 UJ	0.02 U	0.03 UJ	0.02 U	0.03 U	0.02 U
2,3,4,7,8-PeCDF	0.03 UJ	0.02 UJ	0.02 U	0.06 U	0.05 U	0.05 U	0.03 U
2,3,7,8-TCDD	0.03 UJ	0.01 UJ	0.02 U	0.05 U	0.05 U	0.04 U	0.03 U
2,3,7,8-TCDF	0.02 UJ	0.01 UJ	0.02 U	0.04 U	0.03 U	0.03 U	0.02 U
1998 Total TEQ w/ EMPC as ND	0.0403555	0.0201595	0.031551	0.075482	0.070365	0.06043	0.045257

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	DAS-T6-S1-3-6FT	UAS-T1-S1-3-6FT	UAS-T1-S6-3-6FT	UAS-T1-S7-3-6FTEB	UAS-T2-S4-3-6FT	UAS-T3-S3-3-6FT	UAS-T3-S3-3-6FTFD
Sample Date	04/20/00	11/10/99	11/11/99	11/11/99	11/12/99	11/15/99	11/15/99
Units	ug/kg	ug/kg	ug/kg	ug/l	ug/kg	ug/kg	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	0.19 M	0.4 U	0.2 UJ	0.0006 U	0.29 J	0.06 M	0.08 M
1,2,3,4,6,7,8,9-OCDF	0.02 U	0.4 U	0.2 UJ	0.0005 U	0.09 UJ	0.01 U	0.008 U
1,2,3,4,6,7,8-HpCDD	0.01 U	0.1 U	0.1 UJ	0.0004 U	0.06 UJ	0.01 U	0.01 U
1,2,3,4,6,7,8-HpCDF	0.01 U	0.08 U	0.09 UJ	0.0005 U	0.05 UJ	0.01 U	0.006 U
1,2,3,4,7,8,9-HpCDF	0.01 U	0.08 U	0.1 UJ	0.0005 U	0.05 UJ	0.01 U	0.007 U
1,2,3,4,7,8-HxCDD	0.01 U	0.08 U	0.07 UJ	0.0003 U	0.05 UJ	0.01 U	0.007 U
1,2,3,4,7,8-HxCDF	0.007 U	0.06 U	0.08 UJ	0.0004 U	0.04 UJ	0.008 U	0.005 U
1,2,3,6,7,8-HxCDD	0.01 U	0.08 U	0.1 UJ	0.0003 U	0.05 UJ	0.01 U	0.01 U
1,2,3,6,7,8-HxCDF	0.008 U	0.06 U	0.09 UJ	0.0004 U	0.04 UJ	0.01 U	0.006 U
1,2,3,7,8,9-HxCDD	0.01 U	0.07 U	0.1 UJ	0.0003 U	0.05 UJ	0.02 U	0.01 U
1,2,3,7,8,9-HxCDF	0.008 U	0.06 U	0.1 UJ	0.0004 U	0.04 UJ	0.009 U	0.006 U
1,2,3,7,8-PeCDD	0.02 U	0.07 U	0.2 UJ	0.0002 U	0.03	0.02 U	0.02 U
1,2,3,7,8-PeCDF	0.01 U	0.06 U	0.09 UJ	0.0002 U	0.02 U	0.01 U	0.008 U
2,3,4,6,7,8-HxCDF	0.008 U	0.06 U	0.09 UJ	0.0004 U	0.04 UJ	0.009 U	0.006 U
2,3,4,7,8-PeCDF	0.01 U	0.06 U	0.1 UJ	0.0002 U	0.02 U	0.01 U	0.01 U
2,3,7,8-TCDD	0.01 U	0.04 U	0.08 UJ	0.0001 U	0.02	0.01 U	0.008 U
2,3,7,8-TCDF	0.01 U	0.04 U	0.07 UJ	0.0001 U	0.02 U	0.01 U	0.007 U
1998 Total TEQ w/ EMPC as ND	0.0151105	0.05594	0.14097	0.000154555	0.0505835	0.0151035	0.0140844

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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O'BRIEN & GERE ENGINEERS, INC.

Table 3-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8280A/8290 PCDD/PCDF Data

Sample ID	UAS-T3-S7-3-6FTEB	UAS-T4-S1-3-6FT	UAS-T4-S6-3-6FT	UAS-T5-S4-3-6FT	UAS-T6-S3-3-6FT	UAS-T6-S3-3-6FTEB	UAS-T7-S3-3-6FT
Sample Date	11/16/99	11/17/99	11/16/99	11/17/99	11/18/99	11/18/99	11/19/99
Units	ug/l	ug/kg	ug/kg	ug/kg	ug/kg	ug/l	ug/kg
Compound							
1,2,3,4,6,7,8,9-OCDD	0.0000118 M	0.2 U	0.06 M	0.3	2	0.0012 U	0.28
1,2,3,4,6,7,8,9-OCDF	0.0000035 U	0.1 U	0.3 U	0.05	0.06	0.001 U	0.09 U
1,2,3,4,6,7,8-HpCDD	0.0000024 U	0.09 U	0.03 U	0.01 U	0.13	0.0007 U	0.03 U
1,2,3,4,6,7,8-HpCDF	0.0000015 U	0.08 U	0.02 U	0.01 U	0.01 U	0.0005 U	0.01 U
1,2,3,4,7,8,9-HpCDF	0.0000021 U	0.09 U	0.02 U	0.01 U	0.02 U	0.0006 U	0.01 U
1,2,3,4,7,8-HxCDD	0.0000016 U	0.07 U	0.02 U	0.008 U	0.02 U	0.0005 U	0.02 U
1,2,3,4,7,8-HxCDF	0.000001 U	0.07 U	0.02 U	0.008 U	0.01 U	0.0004 U	0.01 U
1,2,3,6,7,8-HxCDD	0.0000015 U	0.1 U	0.03 U	0.01 U	0.02 U	0.0008 U	0.03 U
1,2,3,6,7,8-HxCDF	0.0000009 U	0.07 U	0.02 U	0.01 U	0.01 U	0.0005 U	0.01 U
1,2,3,7,8,9-HxCDD	0.0000016 U	0.1 U	0.04 U	0.02 U	0.03 U	0.001 U	0.04 U
1,2,3,7,8,9-HxCDF	0.0000012 U	0.08 U	0.02 U	0.01 U	0.01 U	0.0005 U	0.01 U
1,2,3,7,8-PeCDD	0.0000016 U	0.1 U	0.05 U	0.01 U	0.03 U	0.0008 U	0.03 U
1,2,3,7,8-PeCDF	0.0000012 U	0.04 U	0.02 U	0.01 U	0.02 U	0.0005 U	0.01 U
2,3,4,6,7,8-HxCDF	0.000001 U	0.07 U	0.02 U	0.009 U	0.01 U	0.0005 U	0.01 U
2,3,4,7,8-PeCDF	0.0000012 M	0.06 U	0.03 U	0.01 U	0.02 U	0.0006 U	0.01 U
2,3,7,8-TCDD	0.0000017 U	0.06 U	0.02 U	0.008 U	0.02 U	0.0004 U	0.02 U
2,3,7,8-TCDF	0.0000012 U	0.04 U	0.02 U	0.009 U	0.01 U	0.0005 U	0.009 U
1998 Total TEQ w/ EMPC as ND	0.0000016703	0.080865	0.035268	0.009135	0.026556	0.00060611	0.0252325

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate

O'BRIEN & GERE ENGINEERS, INC.

Table 3-7
Solutia
Sauget Area 1
Developed Area, Undeveloped Area, and Background Soil - Subsurface (3-6ft)
Method 8280A/8290 PCDD/PCDF Data

	Sample ID	UAS-T7-S3-3-6FTFD
	Sample Date	11/19/99
	Units	ug/kg
Compound		
1,2,3,4,6,7,8,9-OCDD		0.1 UJ
1,2,3,4,6,7,8,9-OCDF		0.09 UJ
1,2,3,4,6,7,8-HpCDD		0.07 UJ
1,2,3,4,6,7,8-HpCDF		0.06 UJ
1,2,3,4,7,8,9-HpCDF		0.07 UJ
1,2,3,4,7,8-HxCDD		0.04 UJ
1,2,3,4,7,8-HxCDF		0.05 UJ
1,2,3,6,7,8-HxCDD		0.06 UJ
1,2,3,6,7,8-HxCDF		0.05 UJ
1,2,3,7,8,9-HxCDD		0.09 UJ
1,2,3,7,8,9-HxCDF		0.06 UJ
1,2,3,7,8-PeCDD		0.09 UJ
1,2,3,7,8-PeCDF		0.05 UJ
2,3,4,6,7,8-HxCDF		0.05 UJ
2,3,4,7,8-PeCDF		0.06 UJ
2,3,7,8-TCDD		0.05 UJ
2,3,7,8-TCDF		0.05 UJ
1998 Total TEQ w/ EMPC as ND		0.0706595

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

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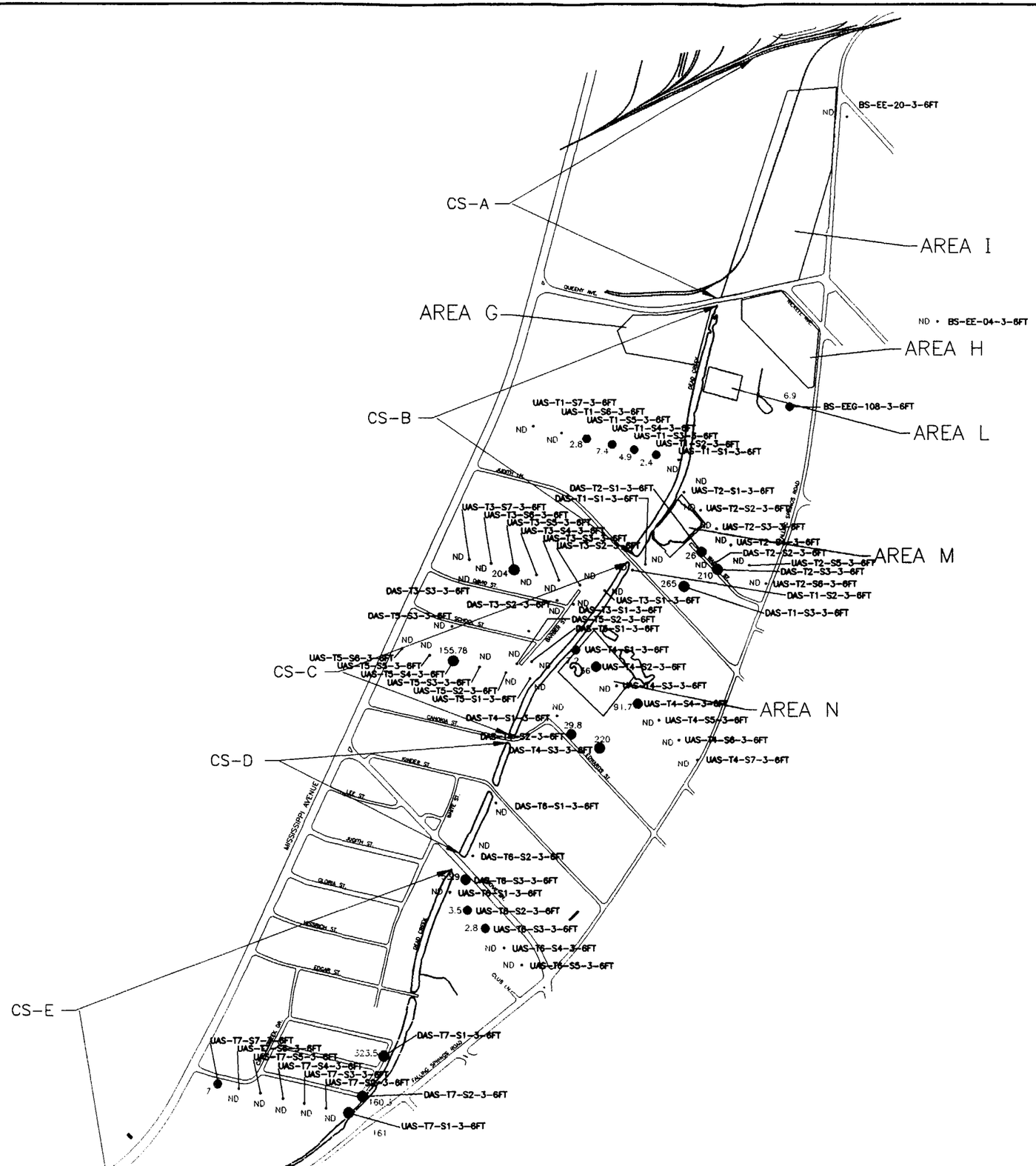
FIGURE 3-1



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
TOTAL VOCs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASB.A
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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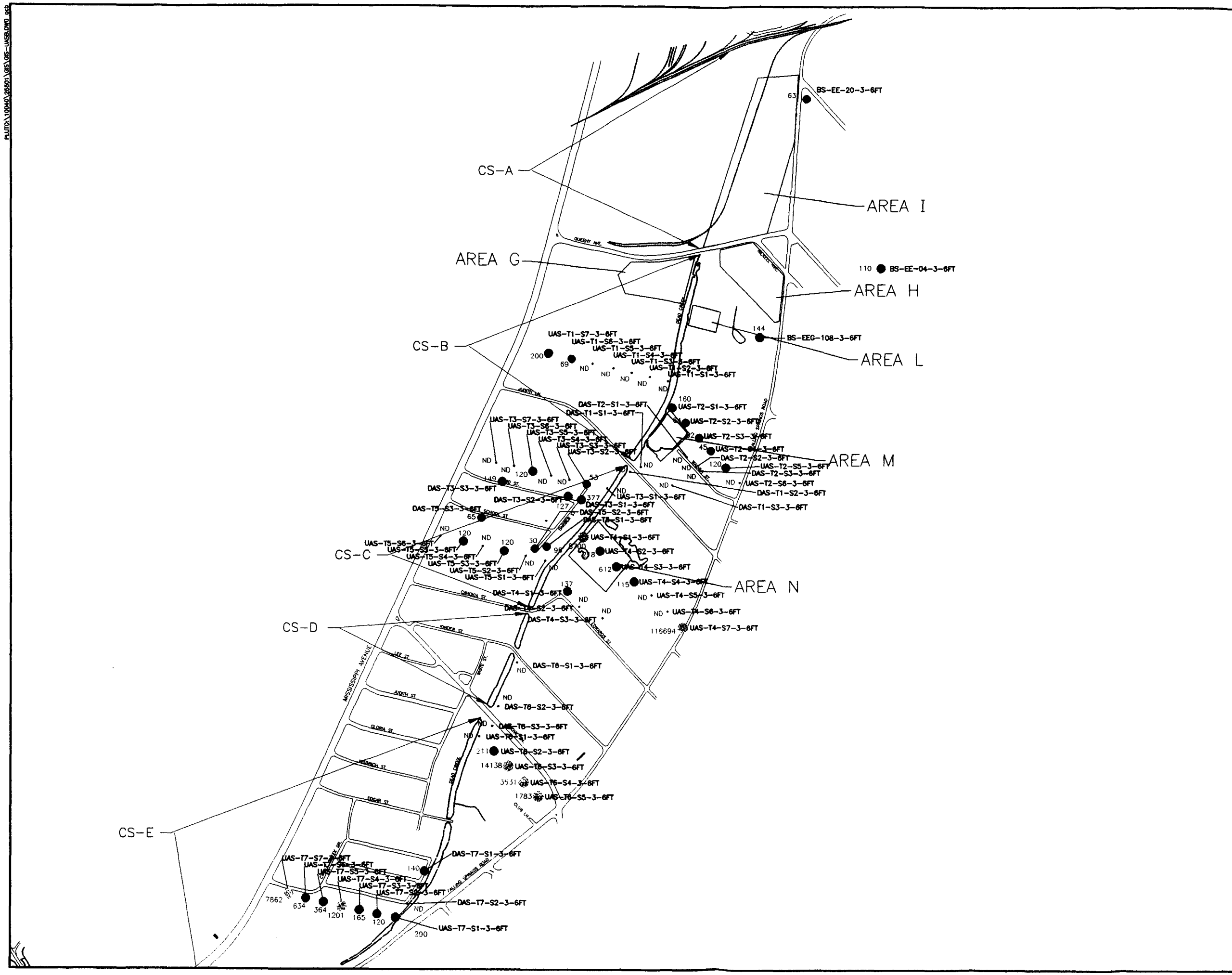
FIGURE 3-2



LEGEND

- • NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
TOTAL SVOCs

400 0 400
SCALE IN FEET

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August 2000

O'BRIEN & GERE ENGINEERS, INC.

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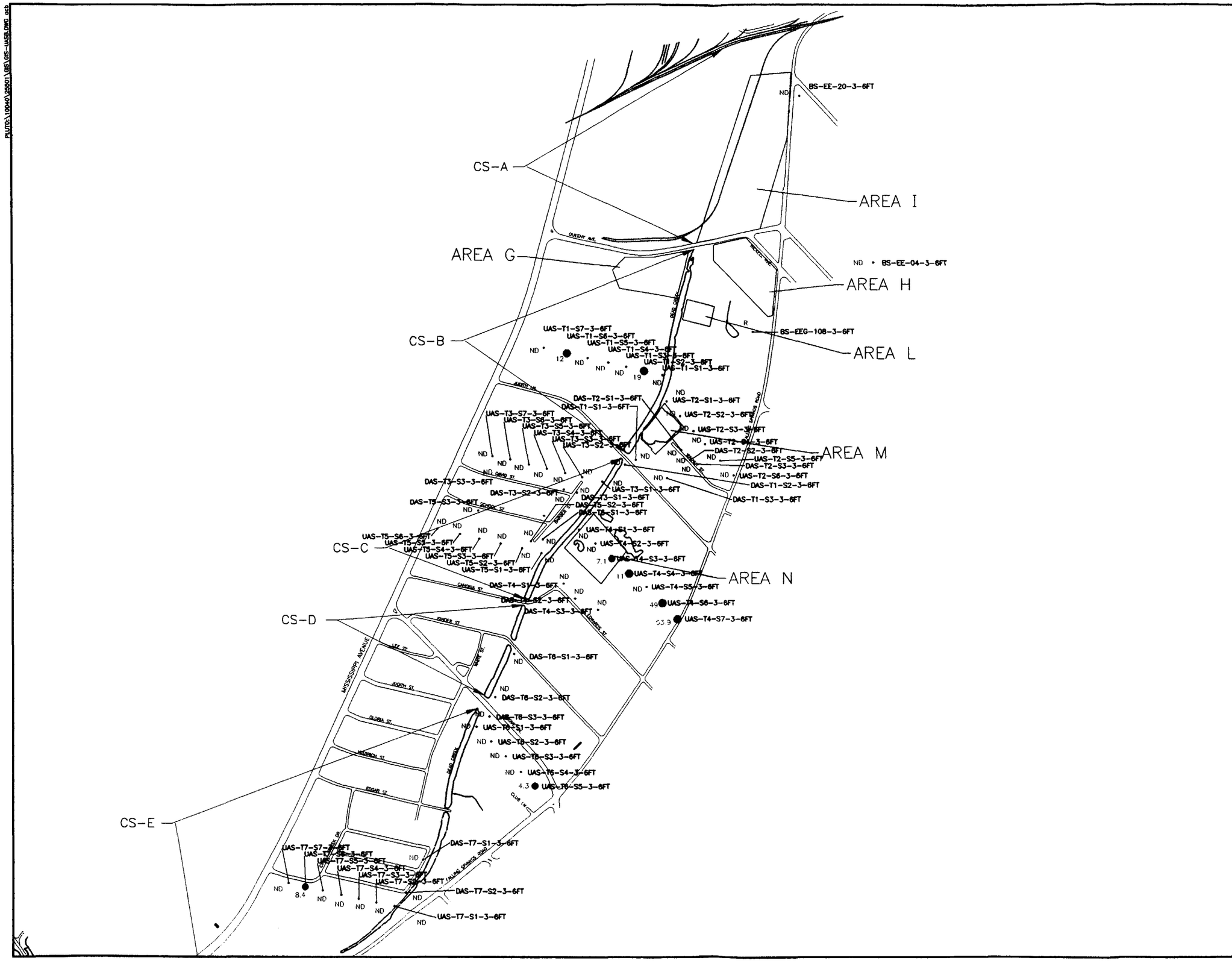
FIGURE 3-3



LEGEND

- • NOT DETECTED
- ● < 1
- ● 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
TOTAL PCBs

400 0 400
SCALE IN FEET

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August 2000

O'BRIEN & GERE ENGINEERS, INC.

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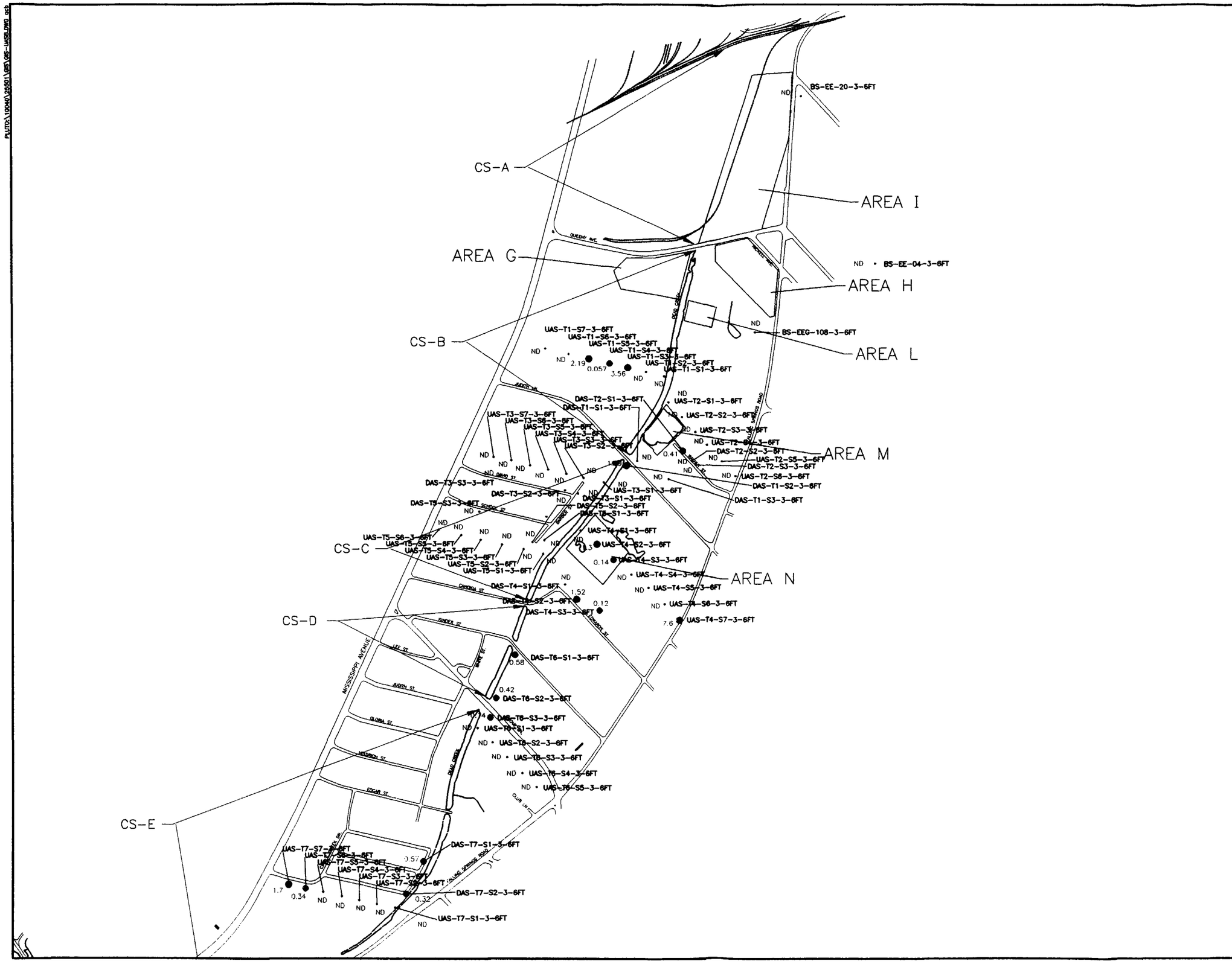
FIGURE 3-4



LEGEND

- • NOT DETECTED
- ● < 1
- ● 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
TOTAL PESTICIDES

400 0 400
SCALE IN FEET

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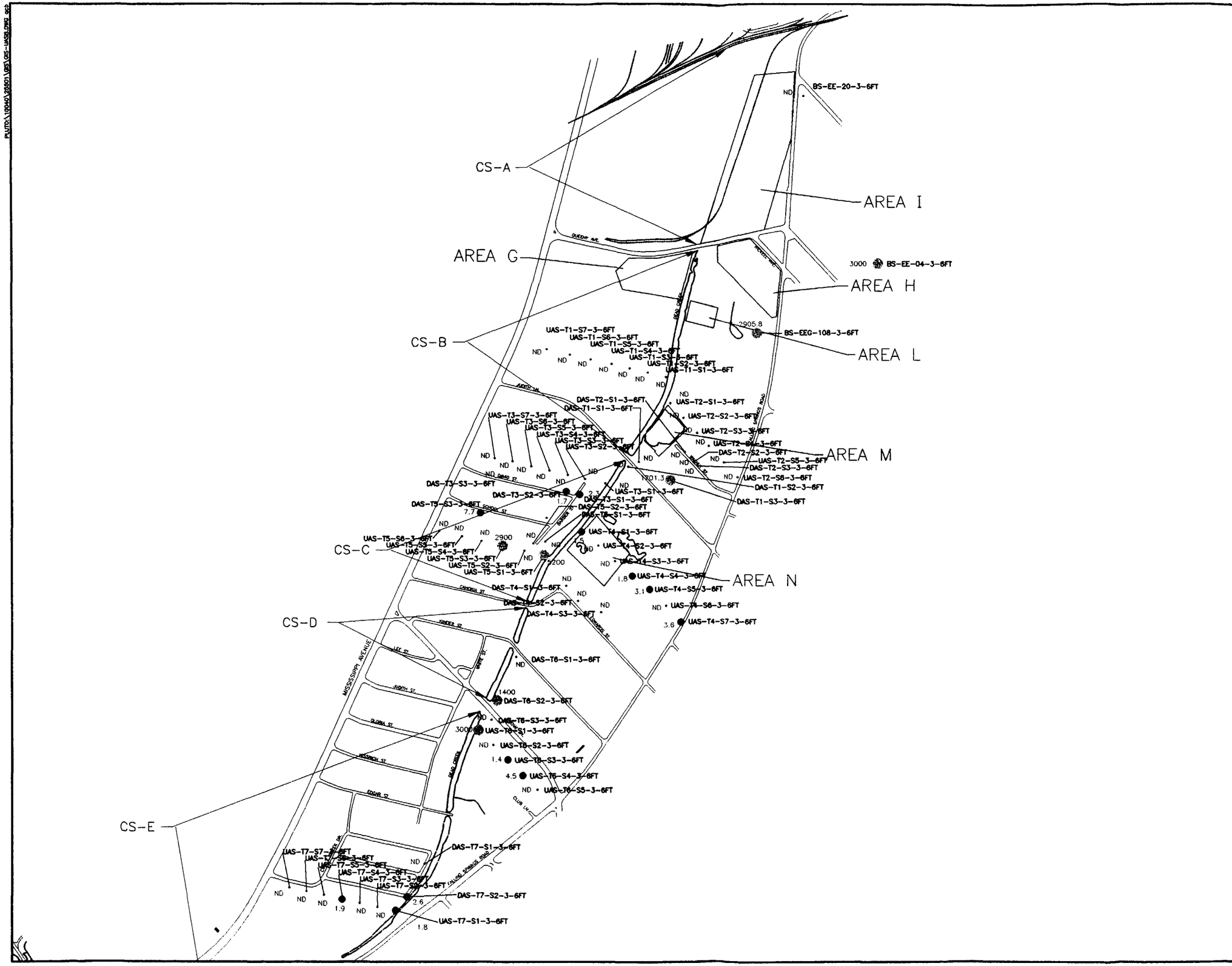
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3-5



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ug/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
TOTAL HERBICIDES

400 0 400
SCALE IN FEET

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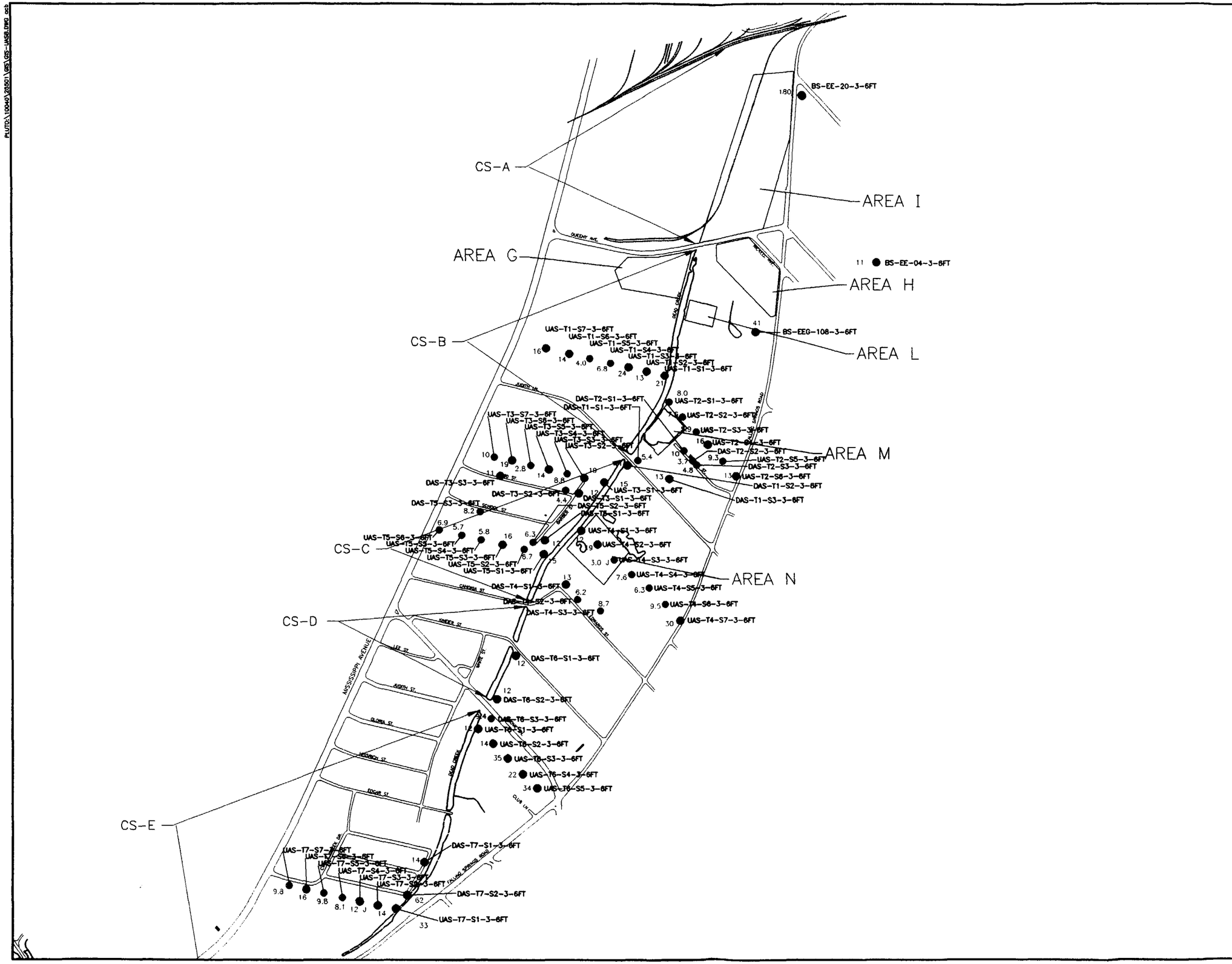
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3-6



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
COPPER

400 0 400
SCALE IN FEET

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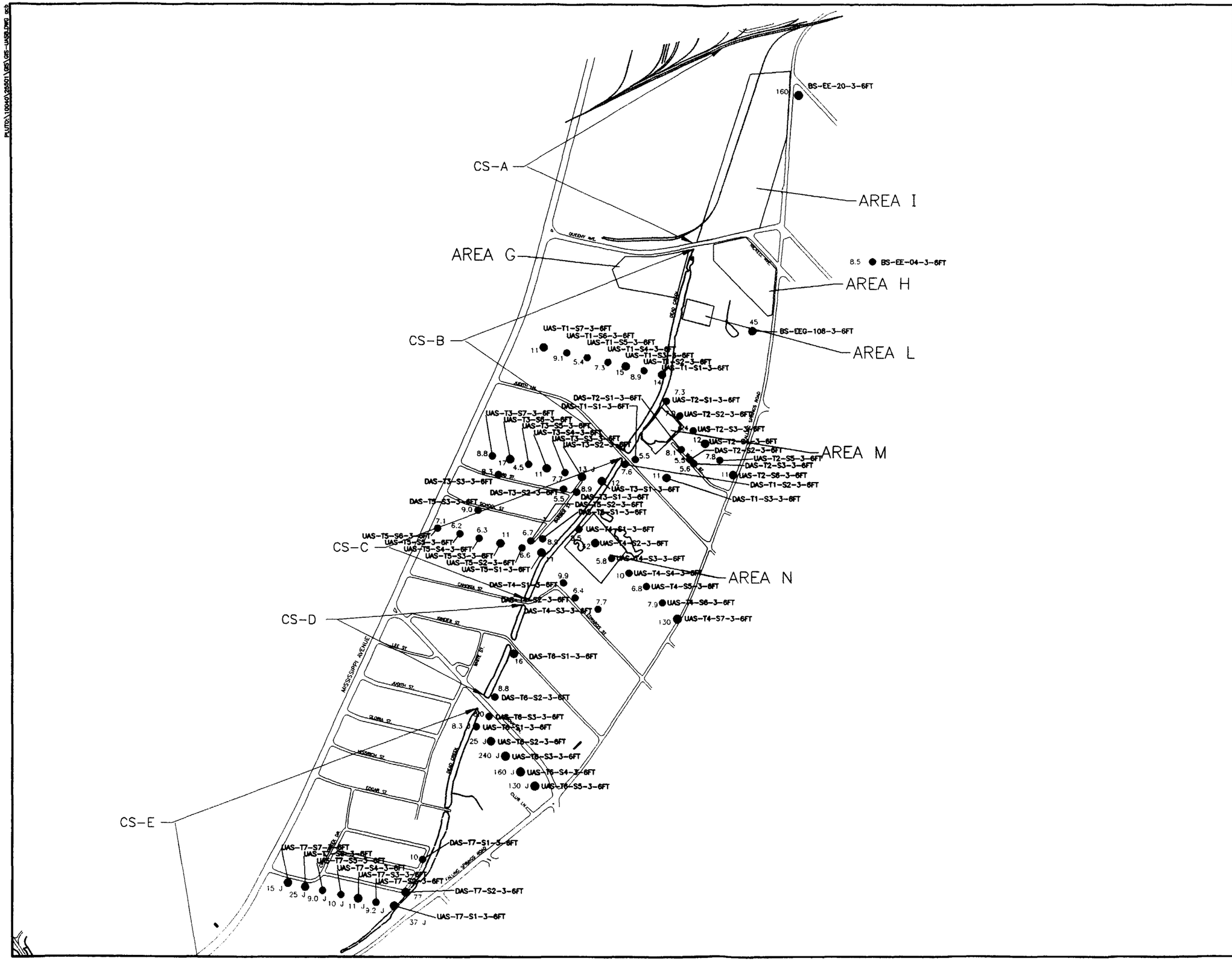
O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3-7



LEGEND

- NOT DETECTED
- < 1
- 1 - 10
- 10 - 100
- 100 - 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
LEAD

400 0 400
SCALE IN FEET

FILE NO. 25501.UASB.G
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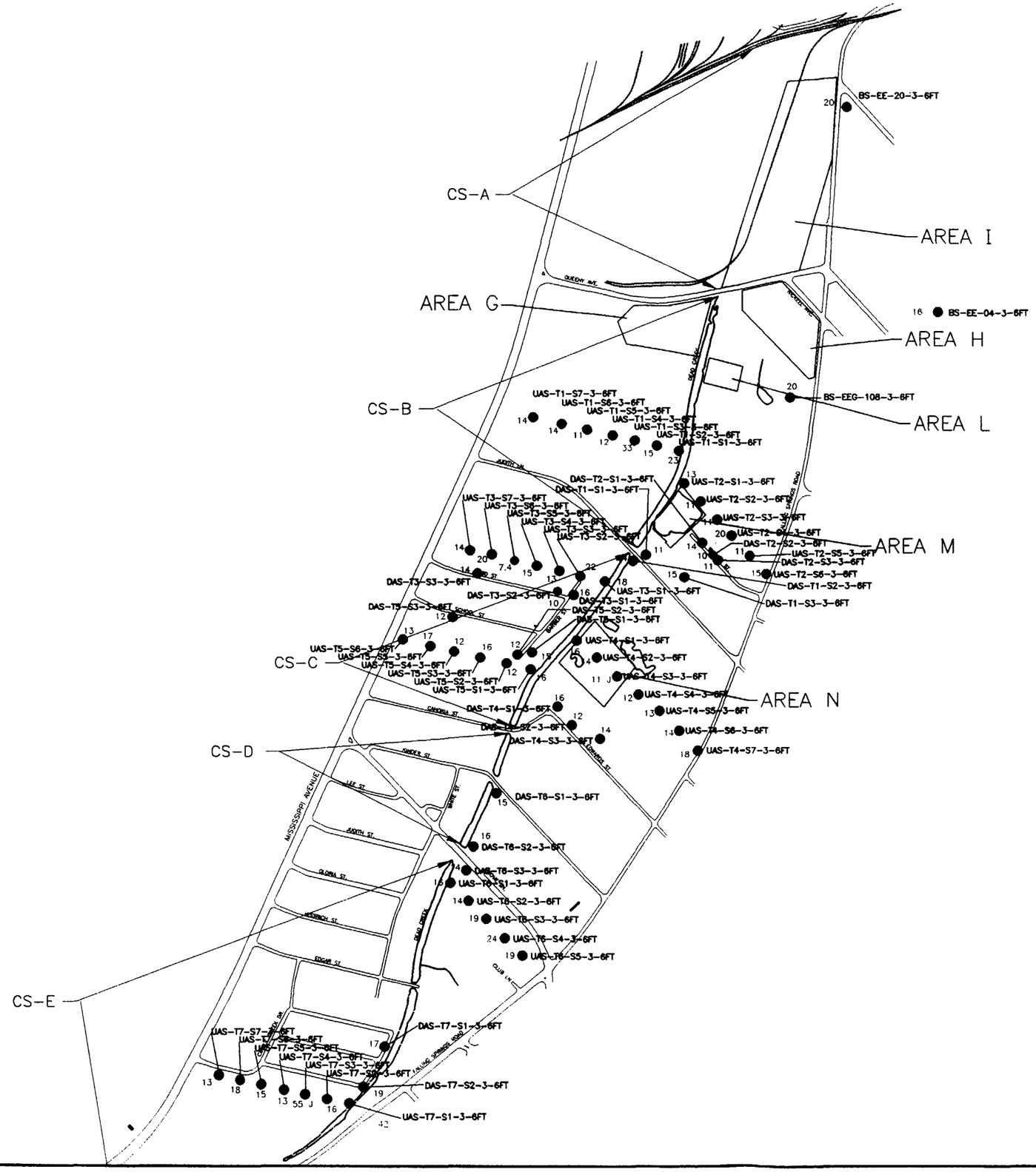

FIGURE 3-8

LEGEND

- • NOT DETECTED
- ● < 1
- ● 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
NICKEL

400 0 400
SCALE IN FEET

FILE NO. 25501.UASB.H
August 2000

O'BRIEN & GERE ENGINEERS, INC.

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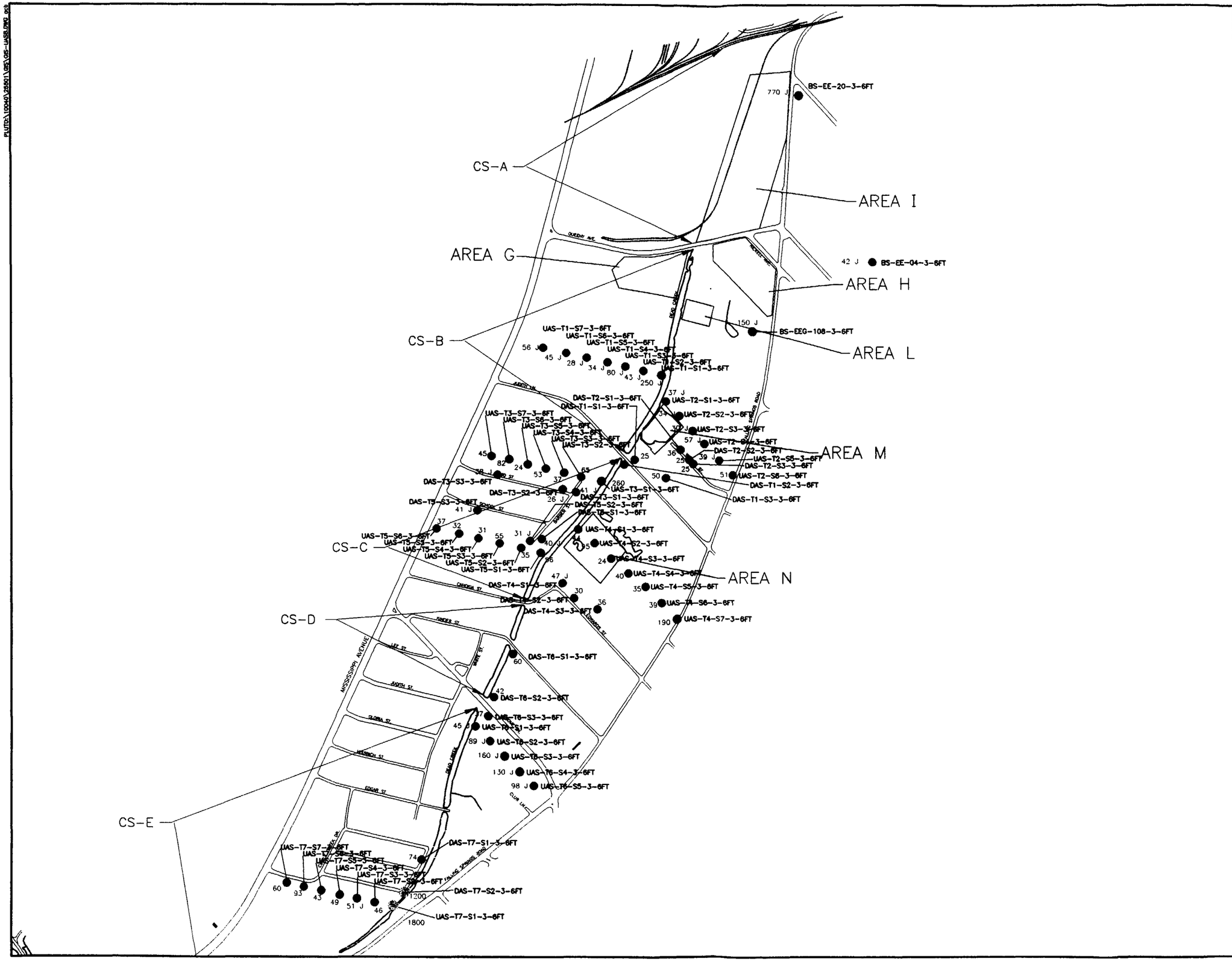
FIGURE 3-9



LEGEND

- • NOT DETECTED
- ● < 1
- ● 1 – 10
- ● 10 – 100
- ● 100 – 1000
- ● > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = mg/Kg

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

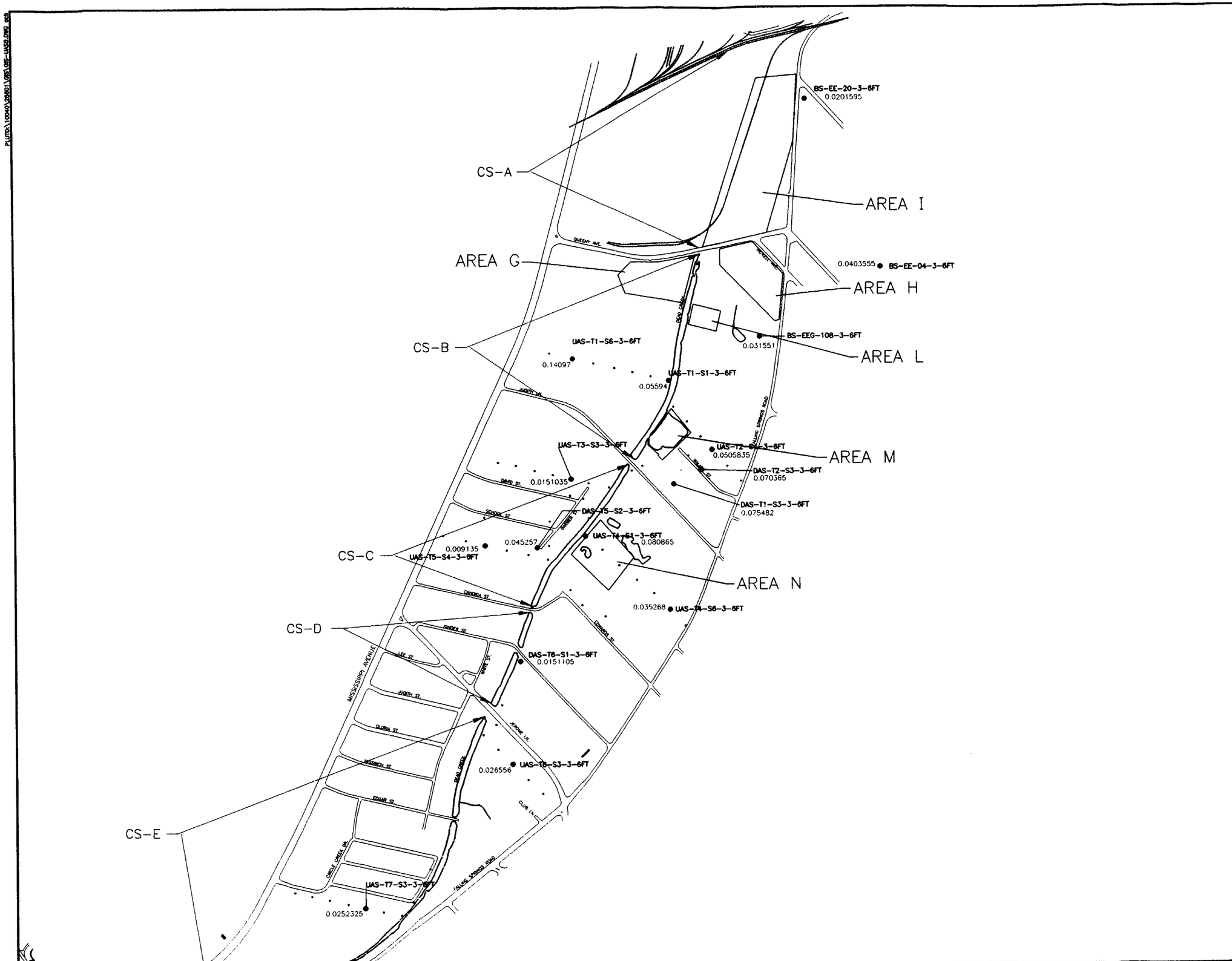
DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
ZINC

400 0 400
SCALE IN FEET

FILE NO. 25501.UASB.I
August 2000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3-10



LEGEND

- NOT DETECTED
- < 1
- 1 – 10
- 10 – 100
- 100 – 1000
- > 1000

CS-A CREEK SEGMENT

AREA H FILL AREA

WATER BODY

NOTE: UNITS = ppb

SOLUTIA INC.
REMEDIATION TECHNOLOGY GROUP
ST. LOUIS, MISSOURI

SAUGET AREA 1
SUPPORT SAMPLING PLAN
SAUGET AND CAHOKIA, ILLINOIS

DEVELOPED AREA
UNDEVELOPED AREA
BACKGROUND
SUB-SURFACE SOIL (3-6 ft)
PCDD/PCDF TEQs

400 0 400
SCALE IN FEET

FILE NO. 25501.UASB.J
August 2000

O'BRIEN & GERE ENGINEERS, INC.