GROUNDWATER SERVICES, INC.

APPENDIX D

TABULATED SOIL ANALYTICAL RESULTS FROM SEVERN TRENT LABORATORIES

Table D-1: Total VOC Concentrations on Soil

Table D-2: Total SVOC and TOC Concentrations on Soil

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01
	SAMPLE DEPTH (FT BGS):	0-2.5	12.5-15	25-27.5	35-37.5	40-42.5	40-42.5 DUP	50-52.5	67.5-70	72.5-75	82.5-85	97.5-100
	SAMPLE DATE:	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260												
1,1,1-Trichloroethane	71-55-6	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,1,2,2-Tetrachloroethane	79-34-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,1,2-Trichloroethane	79-00-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,1-Dichloroethane	75-34-3	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,1-Dichloroethene	75-35-4	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,2-Dichloroethane	107-06-2	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
1,2-Dichloropropane	78-87-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
2-Butanone (MEK)	78-93-3	**0.0096J**	**0.0086J**	<0.026	<0.038	<0.022	<0.024	<0.027	<0.024	<0.023	<0.026	<0.026
2-Hexanone	591-78-6	<0.032	<0.038	<0.026	<0.038	<0.022	<0.024	<0.027	<0.024	<0.023	<0.026	<0.026
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.032	<0.038	<0.026	<0.038	<0.022	<0.024	<0.027	<0.024	<0.023	<0.026	<0.026
Acetone	67-64-1	**0.034J**	**0.036J**	**0.016J**	**0.017J**	**0.01J**	**0.017J**	**0.0088J**	**0.0086J**	**0.016J**	**0.015J**	<0.052
Benzene	71-43-2	**0.0026J**	**0.008**	**0.0015J**	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Bromodichloromethane	75-27-4	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Bromoform	75-25-2	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Bromomethane	74-83-9	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Carbon Disulfide	75-15-0	<0.0064	<0.0077	<0.0051	<0.0076	<0.002	<0.0026	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Carbon Tetrachloride	56-23-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Chlorobenzene	108-90-7	<0.0064	**0.34**	**0.029**	**0.002J**	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Chloroethane (ethyl chloride)	75-00-3	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Chloroform	67-66-3	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Chloromethane	74-87-3	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
cis-1,2-Dichloroethene	156-59-2	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
cis-1,3-Dichloropropene	10061-01-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Dibromochloromethane	124-48-1	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Dichloromethane	75-09-2	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	**0.0026J**	<0.0046	<0.0053	<0.0052
Ethyl benzene	100-41-4	**0.0015J**	**0.0072J**	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Styrene	100-42-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Tetrachloroethene	127-18-4	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Toluene	108-88-3	**0.003J**	**0.011**	**0.0024J**	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
trans-1,2-Dichloroethene	156-60-5	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
trans-1,3-Dichloropropene	10061-02-6	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Trichloroethene	79-01-6	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Vinyl Chloride	75-01-4	<0.0064	<0.0077	<0.0051	<0.0076	<0.0045	<0.0047	<0.0053	<0.0048	<0.0046	<0.0053	<0.0052
Xylenes,Total	1330-20-7	**0.0029J**	**0.013J**	<0.01	<0.015	<0.0089	<0.0094	<0.011	<0.0096	<0.0092	<0.01	<0.01
Total VOCs		**0.054**	**0.42**	**0.049**	**0.019**	**0.01**	**0.017**	**0.0088**	**0.011**	**0.016**	**0.015**	**ND**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02
	SAMPLE DEPTH (FT BGS):	105-107.5	7.5-10	12.5-15	22.5-25	32.5-35	47.5-50	50-52.5	62.5-65	75-77.5	75-77.5 DUP
	SAMPLE DATE:	10/7/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/12/04	9/12/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,1,2,2-Tetrachloroethane	79-34-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,1,2-Trichloroethane	79-00-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,1-Dichloroethane	75-34-3	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,1-Dichloroethene	75-35-4	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,2-Dichloroethane	107-06-2	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
1,2-Dichloropropane	78-87-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
2-Butanone (MEK)	78-93-3	<0.026	**76J**	**79**	**0.81J**	<1	<1.4	<2.6	**29J**	**1**	<1.1
2-Hexanone	591-78-6	<0.026	<85	<78	<1	<1	<1.4	<2.6	<35	<0.99	<1.1
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.026	<85	<78	<1	<1	<1.4	<2.6	<35	<0.99	<1.1
Acetone	67-64-1	<0.051	<170	<160	<2	<2	<2.9	<5.2	<70	<2	<2.2
Benzene	71-43-2	<0.0051	**10J**	**58**	**0.16J**	**0.028J**	<0.29	**0.24J**	<7	<0.2	<0.22
Bromodichloromethane	75-27-4	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Bromoform	75-25-2	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Bromomethane	74-83-9	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Carbon Disulfide	75-15-0	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Carbon Tetrachloride	56-23-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Chlorobenzene	108-90-7	<0.0051	**650**	**120**	**0.81**	**0.56**	**0.42**	**11**	<7	<0.2	<0.22
Chloroethane (ethyl chloride)	75-00-3	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Chloroform	67-66-3	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Chloromethane	74-87-3	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
cis-1,2-Dichloroethene	156-59-2	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
cis-1,3-Dichloropropene	10061-01-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Dibromochloromethane	124-48-1	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Dichloromethane	75-09-2	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Ethyl benzene	100-41-4	<0.0051	<17	**5.1J**	**0.048J**	<0.2	<0.29	**0.47J**	<7	<0.2	<0.22
Styrene	100-42-5	<0.0051	<17	<16	<0.2	**0.15J**	**0.27J**	**0.13J**	<7	**0.11J**	**0.12J**
Tetrachloroethene	127-18-4	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Toluene	108-88-3	<0.0051	**9.9J**	**36**	<0.2	<0.2	**0.056J**	<0.52	<7	<0.2	<0.22
trans-1,2-Dichloroethene	156-60-5	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
trans-1,3-Dichloropropene	10061-02-6	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Trichloroethene	79-01-6	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Vinyl Chloride	75-01-4	<0.0051	<17	<16	<0.2	<0.2	<0.29	<0.52	<7	<0.2	<0.22
Xylenes,Total	1330-20-7	<0.01	<34	<31	<0.4	<0.4	<0.58	**0.83J**	<14	<0.4	<0.44
Total VOCs		**ND**	**750**	**300**	**1.8**	**0.74**	**0.75**	**13**	**29**	**1.1**	**0.12**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-02	A1-02	A1-02	A1-02	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03
	SAMPLE DEPTH (FT BGS):	82.5-85	82.5-85 DUP	90-92.5	105-107	8.5-11	11-13.5	22.5-25	32.5-35	47.5-50	57.5-60
	SAMPLE DATE:	9/12/04	9/12/04	9/12/04	9/12/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,1,2,2-Tetrachloroethane	79-34-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,1,2-Trichloroethane	79-00-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,1-Dichloroethane	75-34-3	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,1-Dichloroethene	75-35-4	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,2-Dichloroethane	107-06-2	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
1,2-Dichloropropane	78-87-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
2-Butanone (MEK)	78-93-3	**0.8J**	<0.94	**0.59J**	<0.85	<2.3	<1.8	**0.076J**	<0.026	<0.025	<0.023
2-Hexanone	591-78-6	<0.9	<0.94	<0.62	<0.85	<2.3	<1.8	<0.12	<0.026	<0.025	<0.023
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.9	<0.94	<0.62	<0.85	<2.3	<1.8	<0.12	<0.026	<0.025	<0.023
Acetone	67-64-1	<1.8	<1.9	<1.2	<1.7	<4.6	<3.6	**0.22J**	**0.012J**	**0.012J**	**0.016J**
Benzene	71-43-2	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	**0.019J**	<0.0052	<0.005	<0.0047
Bromodichloromethane	75-27-4	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Bromoform	75-25-2	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Bromomethane	74-83-9	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Carbon Disulfide	75-15-0	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	**0.0021J**	**0.0027J**
Carbon Tetrachloride	56-23-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Chlorobenzene	108-90-7	**0.07J**	**0.08J**	<0.12	<0.17	**8.1**	**1.4**	**0.018J**	<0.0052	<0.005	<0.0047
Chloroethane (ethyl chloride)	75-00-3	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Chloroform	67-66-3	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	**0.0016J**
Chloromethane	74-87-3	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
cis-1,2-Dichloroethene	156-59-2	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
cis-1,3-Dichloropropene	10061-01-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Dibromochloromethane	124-48-1	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Dichloromethane	75-09-2	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Ethyl benzene	100-41-4	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	**0.012J**	**0.0011J**	<0.005	<0.0047
Styrene	100-42-5	**0.074J**	**0.074J**	**0.075J**	**0.24**	<0.46	**0.14J**	<0.025	<0.0052	<0.005	<0.0047
Tetrachloroethene	127-18-4	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Toluene	108-88-3	<0.18	<0.19	<0.12	<0.17	<0.46	**0.099J**	**0.011J**	**0.0024J**	<0.005	<0.0047
trans-1,2-Dichloroethene	156-60-5	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
trans-1,3-Dichloropropene	10061-02-6	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Trichloroethene	79-01-6	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Vinyl Chloride	75-01-4	<0.18	<0.19	<0.12	<0.17	<0.46	<0.36	<0.025	<0.0052	<0.005	<0.0047
Xylenes,Total	1330-20-7	<0.36	<0.38	<0.25	<0.34	<0.91	<0.71	<0.049	<0.01	<0.01	<0.0094
Total VOCs		**0.94**	**0.15**	**0.67**	**0.24**	**8.1**	**1.6**	**0.37**	**0.016**	**0.013**	**0.020**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-04	A1-04	A1-04	A1-04
	SAMPLE DEPTH (FT BGS):	60-62.5	72.5-75	72.5-75 DUP	82.5-85	92.5-95	102.5-105	7.5-10	7.5-10 DUP	12.5-15	20-22.5
	SAMPLE DATE:	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/25/04	9/25/04	9/25/04	9/25/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,1,2,2-Tetrachloroethane	79-34-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,1,2-Trichloroethane	79-00-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,1-Dichloroethane	75-34-3	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,1-Dichloroethene	75-35-4	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,2-Dichloroethane	107-06-2	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
1,2-Dichloropropane	78-87-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
2-Butanone (MEK)	78-93-3	<0.026	<0.022	<0.024	<0.02	<0.023	<0.023	<2.8	<2.7	<0.054	<0.037
2-Hexanone	591-78-6	<0.026	<0.022	<0.024	<0.02	<0.023	<0.023	<2.8	<2.7	<0.054	<0.037
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.026	<0.022	<0.024	<0.02	<0.023	<0.023	<2.8	<2.7	<0.054	<0.037
Acetone	67-64-1	**0.0085J**	**0.0089J**	**0.013J**	**0.0084J**	**0.015J**	**0.011J**	<5.7	<5.3	<0.11	**0.014J**
Benzene	71-43-2	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	**2.1**	**3**	**0.0024J**	<0.0074
Bromodichloromethane	75-27-4	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Bromoform	75-25-2	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Bromomethane	74-83-9	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Carbon Disulfide	75-15-0	<0.0052	<0.0044	**0.0021J**	<0.004	**0.0039J**	<0.0047	<0.57	<0.53	<0.011	<0.0074
Carbon Tetrachloride	56-23-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Chlorobenzene	108-90-7	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	**1.4**	**2.4**	<0.011	<0.0074
Chloroethane (ethyl chloride)	75-00-3	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Chloroform	67-66-3	<0.0052	<0.0044	<0.0047	<0.004	**0.018**	<0.0047	<0.57	<0.53	<0.011	<0.0074
Chloromethane	74-87-3	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
cis-1,2-Dichloroethene	156-59-2	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
cis-1,3-Dichloropropene	10061-01-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Dibromochloromethane	124-48-1	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Dichloromethane	75-09-2	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	**0.34J**	<0.011	<0.0074
Ethyl benzene	100-41-4	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	**0.12J**	**0.22J**	<0.011	<0.0074
Styrene	100-42-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	**0.095J**	<0.53	<0.011	<0.0074
Tetrachloroethene	127-18-4	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Toluene	108-88-3	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	**2.7**	**2.2**	**0.0052J**	<0.0074
trans-1,2-Dichloroethene	156-60-5	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
trans-1,3-Dichloropropene	10061-02-6	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Trichloroethene	79-01-6	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Vinyl Chloride	75-01-4	<0.0052	<0.0044	<0.0047	<0.004	<0.0046	<0.0047	<0.57	<0.53	<0.011	<0.0074
Xylenes,Total	1330-20-7	<0.01	<0.0088	<0.0095	<0.0081	<0.0091	<0.0093	**0.56J**	**0.7J**	<0.022	<0.015
Total VOCs		**0.0085**	**0.0089**	**0.015**	**0.0084**	**0.037**	**0.011**	**7.0**	**8.9**	**0.0076**	**0.014**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-05	A1-05
	SAMPLE DEPTH (FT BGS):	35-37.5	40-42.5	57.5-60	67.5-70	70-72.5	80-82.5	92.5-95	105-107	0-2.5	12.5-15
	SAMPLE DATE:	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	10/8/04	10/8/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,1,2,2-Tetrachloroethane	79-34-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,1,2-Trichloroethane	79-00-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,1-Dichloroethane	75-34-3	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,1-Dichloroethene	75-35-4	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,2-Dichloroethane	107-06-2	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
1,2-Dichloropropane	78-87-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
2-Butanone (MEK)	78-93-3	<0.032	<0.027	<0.04	<0.028	<0.035	<0.031	<0.028	<0.024	**0.012J**	<0.03
2-Hexanone	591-78-6	<0.032	<0.027	<0.04	<0.028	<0.035	<0.031	<0.028	<0.024	<0.032	<0.03
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.032	<0.027	<0.04	<0.028	<0.035	<0.031	<0.028	<0.024	<0.032	<0.03
Acetone	67-64-1	**0.022J**	<0.054	**0.026J**	**0.01J**	<0.071	<0.062	<0.057	<0.048	**0.054J**	**0.01J**
Benzene	71-43-2	**0.0061J**	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	**0.0014J**	<0.0059
Bromodichloromethane	75-27-4	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Bromoform	75-25-2	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Bromomethane	74-83-9	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Carbon Disulfide	75-15-0	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Carbon Tetrachloride	56-23-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Chlorobenzene	108-90-7	**0.0039J**	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Chloroethane (ethyl chloride)	75-00-3	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Chloroform	67-66-3	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Chloromethane	74-87-3	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
cis-1,2-Dichloroethene	156-59-2	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
cis-1,3-Dichloropropene	10061-01-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Dibromochloromethane	124-48-1	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Dichloromethane	75-09-2	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Ethyl benzene	100-41-4	**0.002J**	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Styrene	100-42-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Tetrachloroethene	127-18-4	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Toluene	108-88-3	**0.013**	<0.0054	**0.0046J**	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
trans-1,2-Dichloroethene	156-60-5	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
trans-1,3-Dichloropropene	10061-02-6	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Trichloroethene	79-01-6	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Vinyl Chloride	75-01-4	<0.0065	<0.0054	<0.0081	<0.0056	<0.0071	<0.0062	<0.0057	<0.0048	<0.0064	<0.0059
Xylenes,Total	1330-20-7	**0.006J**	<0.011	<0.016	<0.011	<0.014	<0.012	<0.011	<0.0097	<0.013	<0.012
Total VOCs		**0.053**	**ND**	**0.031**	**0.010**	**ND**	**ND**	**ND**	**ND**	**0.067**	**0.010**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05
	SAMPLE DEPTH (FT BGS):	25-27.5	30-32.5	40-42.5	50-52.5	50-52.5 DUP	65-67.5	77.5-80	85-87.5	85-87.5 DUP	95-97.5
	SAMPLE DATE:	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,1,2-Trichloroethane	79-00-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,1-Dichloroethane	75-34-3	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,1-Dichloroethene	75-35-4	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,2-Dichloroethane	107-06-2	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
1,2-Dichloropropane	78-87-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
2-Butanone (MEK)	78-93-3	<0.032	**0.0095J**	<0.026	<0.048	**0.018J**	<0.025	<0.031	<0.024	**0.0098J**	<0.025
2-Hexanone	591-78-6	<0.032	<0.043	<0.026	<0.048	<0.032	<0.025	<0.031	<0.024	<0.038	<0.025
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.032	<0.043	<0.026	<0.048	<0.032	<0.025	<0.031	<0.024	<0.038	<0.025
Acetone	67-64-1	**0.017J**	**0.023J**	**0.012J**	**0.084J**	**0.047J**	<0.05	**0.034J**	**0.013J**	**0.028J**	**0.015J**
Benzene	71-43-2	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Bromodichloromethane	75-27-4	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Bromoform	75-25-2	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Bromomethane	74-83-9	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Carbon Disulfide	75-15-0	**0.0047J**	<0.0086	<0.0051	<0.0096	<0.0063	**0.0032J**	<0.0062	<0.0048	**0.004J**	**0.002J**
Carbon Tetrachloride	56-23-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Chlorobenzene	108-90-7	**0.016**	<0.0086	<0.0051	**0.0032J**	<0.0063	<0.005	**0.0026J**	**0.0016J**	<0.0077	<0.005
Chloroethane (ethyl chloride)	75-00-3	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Chloroform	67-66-3	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Chloromethane	74-87-3	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
cis-1,2-Dichloroethene	156-59-2	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
cis-1,3-Dichloropropene	10061-01-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Dibromochloromethane	124-48-1	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Dichloromethane	75-09-2	<0.0063	<0.0086	<0.0051	**0.005J**	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Ethyl benzene	100-41-4	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Styrene	100-42-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Tetrachloroethene	127-18-4	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Toluene	108-88-3	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
trans-1,2-Dichloroethene	156-60-5	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
trans-1,3-Dichloropropene	10061-02-6	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Trichloroethene	79-01-6	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Vinyl Chloride	75-01-4	<0.0063	<0.0086	<0.0051	<0.0096	<0.0063	<0.005	<0.0062	<0.0048	<0.0077	<0.005
Xylenes,Total	1330-20-7	<0.013	<0.017	<0.01	<0.019	<0.013	<0.01	<0.012	<0.0096	<0.015	<0.01
Total VOCs		**0.038**	**0.033**	**0.012**	**0.092**	**0.065**	**0.0032**	**0.037**	**0.015**	**0.042**	**0.017**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06
	SAMPLE DEPTH (FT BGS):	105-107.5	2.5-5	15-17.5	27.5-30	30-32.5	40-42.5	40-42.5 DUP	50-52.5	67.5-70	7072.5
	SAMPLE DATE:	10/8/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,1,2,2-Tetrachloroethane	79-34-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,1,2-Trichloroethane	79-00-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,1-Dichloroethane	75-34-3	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,1-Dichloroethene	75-35-4	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,2-Dichloroethane	107-06-2	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
1,2-Dichloropropane	78-87-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
2-Butanone (MEK)	78-93-3	<0.027	<0.029	<1.1	<200	<16	<2.6	<1.2	<1	<1.4	<35
2-Hexanone	591-78-6	<0.027	<0.029	<1.1	<200	<16	<2.6	<1.2	<1	<1.4	<35
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.027	<0.029	<1.1	<200	<16	<2.6	<1.2	<1	<1.4	<35
Acetone	67-64-1	**0.018J**	**0.03J**	<2.2	<410	<31	<5.1	<2.4	<2	<2.8	<71
Benzene	71-43-2	<0.0053	**0.0086**	**8.6**	**14J**	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Bromodichloromethane	75-27-4	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Bromoform	75-25-2	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Bromomethane	74-83-9	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Carbon Disulfide	75-15-0	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Carbon Tetrachloride	56-23-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Chlorobenzene	108-90-7	**0.0022J**	<0.0058	**34**	**800**	**25**	**5.6**	**1.4**	**1.5**	**3.7**	**36**
Chloroethane (ethyl chloride)	75-00-3	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Chloroform	67-66-3	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Chloromethane	74-87-3	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
cis-1,2-Dichloroethene	156-59-2	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
cis-1,3-Dichloropropene	10061-01-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Dibromochloromethane	124-48-1	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Dichloromethane	75-09-2	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Ethyl benzene	100-41-4	<0.0053	<0.0058	**4.3**	**14J**	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Styrene	100-42-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Tetrachloroethene	127-18-4	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Toluene	108-88-3	<0.0053	<0.0058	**0.78**	**12J**	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
trans-1,2-Dichloroethene	156-60-5	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
trans-1,3-Dichloropropene	10061-02-6	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Trichloroethene	79-01-6	<0.0053	<0.0058	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Vinyl Chloride	75-01-4	<0.0053	**0.002J**	<0.22	<41	<3.1	<0.51	<0.24	<0.2	<0.28	<7.1
Xylenes,Total	1330-20-7	<0.011	<0.012	**11**	<81	<6.3	<1	<0.47	<0.4	<0.56	<14
Total VOCs		**0.020**	**0.041**	**59**	**840**	**25**	**5.6**	**1.4**	**1.5**	**3.7**	**36**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-06	A1-06	A1-06	A1-06	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07
	SAMPLE DEPTH (FT BGS):	85-87.5	97.5-100	97.5-100 DUP	105-107.5	2.5-5	10-12.5	20-22.5	35-37.5	35-37.5 DUP	47.5-50
	SAMPLE DATE:	10/6/04	10/6/04	10/6/04	10/6/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,1,2,2-Tetrachloroethane	79-34-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,1,2-Trichloroethane	79-00-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,1-Dichloroethane	75-34-3	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,1-Dichloroethene	75-35-4	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,2-Dichloroethane	107-06-2	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
1,2-Dichloropropane	78-87-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
2-Butanone (MEK)	78-93-3	<0.033	<0.028	<0.059	<0.97	<0.033	<2.9	<2.4	<0.027	<0.024	<0.057
2-Hexanone	591-78-6	<0.033	<0.028	<0.059	<0.97	<0.033	<2.9	<2.4	<0.027	<0.024	<0.057
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.033	<0.028	<0.059	<0.97	<0.033	<2.9	<2.4	<0.027	<0.024	<0.057
Acetone	67-64-1	<0.067	**0.013J**	<0.12	<1.9	**0.026J**	<5.8	<4.8	<0.054	<0.048	<0.11
Benzene	71-43-2	<0.0067	<0.0057	<0.012	<0.19	<0.0065	**2.6**	**0.092J**	**0.0036J**	<0.0048	<0.011
Bromodichloromethane	75-27-4	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Bromoform	75-25-2	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Bromomethane	74-83-9	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Carbon Disulfide	75-15-0	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Carbon Tetrachloride	56-23-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Chlorobenzene	108-90-7	**0.0031J**	**0.01**	**0.0087J**	<0.19	<0.0065	**17**	**8.2**	**0.059**	**0.0039J**	<0.011
Chloroethane (ethyl chloride)	75-00-3	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Chloroform	67-66-3	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Chloromethane	74-87-3	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
cis-1,2-Dichloroethene	156-59-2	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
cis-1,3-Dichloropropene	10061-01-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Dibromochloromethane	124-48-1	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Dichloromethane	75-09-2	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Ethyl benzene	100-41-4	<0.0067	<0.0057	<0.012	<0.19	<0.0065	**0.24J**	<0.48	<0.0054	<0.0048	<0.011
Styrene	100-42-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Tetrachloroethene	127-18-4	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Toluene	108-88-3	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
trans-1,2-Dichloroethene	156-60-5	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
trans-1,3-Dichloropropene	10061-02-6	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Trichloroethene	79-01-6	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Vinyl Chloride	75-01-4	<0.0067	<0.0057	<0.012	<0.19	<0.0065	<0.58	<0.48	<0.0054	<0.0048	<0.011
Xylenes,Total	1330-20-7	<0.013	<0.011	<0.024	<0.39	<0.013	<1.2	<0.95	<0.011	<0.0096	<0.023
Total VOCs		**0.0031**	**0.023**	**0.009**	**ND**	**0.026**	**20**	**8.3**	**0.063**	**0.0039**	**ND**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-08	A1-08	A1-08
	SAMPLE DEPTH (FT BGS):	52.5-55	67.5-70	75-77.5	87.5-90	97.5-100	100-102.5	110-111	5-7.5	10-12.5	22.5-25
	SAMPLE DATE:	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/22/04	9/22/04	9/22/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
1,1,2,2-Tetrachloroethane	79-34-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
1,1,2-Trichloroethane	79-00-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
1,1-Dichloroethane	75-34-3	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	**3.3**
1,1-Dichloroethene	75-35-4	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
1,2-Dichloroethane	107-06-2	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
1,2-Dichloropropane	78-87-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
2-Butanone (MEK)	78-93-3	<0.026	<0.034	<0.026	<0.025	<0.028	<0.025	<0.031	<5.1	<15	<14
2-Hexanone	591-78-6	<0.026	<0.034	<0.026	<0.025	<0.028	<0.025	<0.031	<5.1	<15	<14
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.026	<0.034	<0.026	<0.025	<0.028	<0.025	<0.031	<5.1	<15	**9.4J**
Acetone	67-64-1	<0.052	**0.02J**	<0.053	<0.05	<0.056	<0.05	<0.062	<10	<29	**89**
Benzene	71-43-2	<0.0052	<0.0067	<0.0053	**0.021**	<0.0056	**0.003J**	<0.0062	**3.5J**	**6**	**22**
Bromodichloromethane	75-27-4	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Bromoform	75-25-2	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Bromomethane	74-83-9	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Carbon Disulfide	75-15-0	<0.0052	<0.0067	<0.0053	**0.002J**	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Carbon Tetrachloride	56-23-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Chlorobenzene	108-90-7	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	**910**	**560**	**100**
Chloroethane (ethyl chloride)	75-00-3	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Chloroform	67-66-3	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	**12J**	<2.9	<2.8
Chloromethane	74-87-3	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
cis-1,2-Dichloroethene	156-59-2	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	**2.4J**
cis-1,3-Dichloropropene	10061-01-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Dibromochloromethane	124-48-1	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Dichloromethane	75-09-2	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	**5.7J**	<2.9	<2.8
Ethyl benzene	100-41-4	<0.0052	<0.0067	<0.0053	**0.0025J**	<0.0056	<0.005	**0.0013J**	**230**	**18**	**5.6**
Styrene	100-42-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Tetrachloroethene	127-18-4	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	**19J**	<2.9	**3.3J**
Toluene	108-88-3	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	**0.0027J**	**24J**	**1.1J**	**14**
trans-1,2-Dichloroethene	156-60-5	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
trans-1,3-Dichloropropene	10061-02-6	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Trichloroethene	79-01-6	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Vinyl Chloride	75-01-4	<0.0052	<0.0067	<0.0053	<0.005	<0.0056	<0.005	<0.0062	<1	<2.9	<2.8
Xylenes,Total	1330-20-7	<0.01	<0.013	<0.01	**0.0042J**	<0.011	<0.01	<0.012	**640**	**41**	**13**
Total VOCs		**ND**	**0.020**	**ND**	**0.030**	**ND**	**0.0030**	**0.0040**	**1800**	**630**	**260**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-09
	SAMPLE DEPTH (FT BGS):	30-32.5	47.5-50	47.5-50 DUP	57.5-60	60-62.5	70-72.5	82.5-85	90-92.5	102.5-105	5-7.5
	SAMPLE DATE:	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/29/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.006J**
1,1,2,2-Tetrachloroethane	79-34-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
1,1,2-Trichloroethane	79-00-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
1,1-Dichloroethane	75-34-3	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.019**
1,1-Dichloroethene	75-35-4	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
1,2-Dichloroethane	107-06-2	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
1,2-Dichloropropane	78-87-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
2-Butanone (MEK)	78-93-3	<2.8	<3	<4.8	<26	<4.8	<24	<1.4	<6.4	<4.9	**0.01J**
2-Hexanone	591-78-6	<2.8	<3	<4.8	<26	<4.8	<24	<1.4	<6.4	<4.9	**0.017J**
4-Methyl-2-pentanone (MIBK)	108-10-1	**4.2**	<3	<4.8	<26	<4.8	<24	<1.4	<6.4	<4.9	<0.031
Acetone	67-64-1	<5.6	<6.1	<9.5	<53	<9.6	<49	<2.8	<13	<9.8	**0.044J**
Benzene	71-43-2	**2.2**	**0.31J**	**0.41J**	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.0063**
Bromodichloromethane	75-27-4	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Bromoform	75-25-2	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Bromomethane	74-83-9	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Carbon Disulfide	75-15-0	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.0056J**
Carbon Tetrachloride	56-23-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Chlorobenzene	108-90-7	**20**	**44**	**56**	**4.7J**	**23**	**6.6**	**1.3J**	**1.5**	**1.4**	**0.014**
Chloroethane (ethyl chloride)	75-00-3	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.048J**
Chloroform	67-66-3	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Chloromethane	74-87-3	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
cis-1,2-Dichloroethene	156-59-2	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.0026J**
cis-1,3-Dichloropropene	10061-01-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Dibromochloromethane	124-48-1	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Dichloromethane	75-09-2	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Ethyl benzene	100-41-4	**2**	**2.3**	**3.3**	**1.9J**	**8.8**	**4.6J**	**0.94J**	<1.3	<0.98	**0.01**
Styrene	100-42-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	**0.25J**	<0.0062
Tetrachloroethene	127-18-4	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Toluene	108-88-3	**0.21J**	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.012**
trans-1,2-Dichloroethene	156-60-5	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
trans-1,3-Dichloropropene	10061-02-6	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Trichloroethene	79-01-6	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	**0.0029J**
Vinyl Chloride	75-01-4	<0.56	<0.61	<0.95	<5.3	<0.96	<4.9	<0.28	<1.3	<0.98	<0.0062
Xylenes,Total	1330-20-7	**6.2**	**3.6**	**5**	<10	**1.8J**	<9.8	**0.19J**	<2.6	<2	**0.04**
Total VOCs		**35**	**50**	**65**	**6.6**	**34**	**11**	**2.4**	**1.5**	**1.7**	**0.24**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09
	SAMPLE DEPTH (FT BGS):	17.5-20	25-27.5	25-27.5 DUP	32.5-35	42.5-45	57.5-60	65-67.5	65-67.5 DUP	77.5-80	82.5-85
	SAMPLE DATE:	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0069	**12J**	**35J**	<27	**0.36J**	**0.17J**	**0.097J**	<0.51	<0.48	<0.21
1,1,2,2-Tetrachloroethane	79-34-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
1,1,2-Trichloroethane	79-00-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
1,1-Dichloroethane	75-34-3	**0.017**	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
1,1-Dichloroethene	75-35-4	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
1,2-Dichloroethane	107-06-2	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
1,2-Dichloropropane	78-87-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
2-Butanone (MEK)	78-93-3	<0.034	<25	<36	<130	<6.1	<1.2	<0.99	<2.5	<2.4	<1.1
2-Hexanone	591-78-6	<0.034	<25	<36	<130	<6.1	<1.2	<0.99	<2.5	<2.4	<1.1
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.034	<25	<36	<130	<6.1	<1.2	<0.99	<2.5	<2.4	<1.1
Acetone	67-64-1	**0.075**	<51	<72	<270	<12	<2.4	<2	<5.1	<4.8	<2.1
Benzene	71-43-2	<0.0069	**0.94J**	**1.3J**	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Bromodichloromethane	75-27-4	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Bromoform	75-25-2	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Bromomethane	74-83-9	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Carbon Disulfide	75-15-0	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Carbon Tetrachloride	56-23-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Chlorobenzene	108-90-7	**0.03**	**13**	**8.6**	**170**	**18J**	**2.7**	**1.5**	**3.9**	**2.5J**	**1.4J**
Chloroethane (ethyl chloride)	75-00-3	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Chloroform	67-66-3	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Chloromethane	74-87-3	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
cis-1,2-Dichloroethene	156-59-2	**0.012**	<5.1	<7.2	<27	<1.2	**0.094J**	**0.055J**	<0.51	<0.48	<0.21
cis-1,3-Dichloropropene	10061-01-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Dibromochloromethane	124-48-1	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Dichloromethane	75-09-2	**0.0055J**	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Ethyl benzene	100-41-4	**0.0092**	**120**	**160**	**28**	**2.8J**	**0.92**	**0.74**	<0.51	**0.55J**	**0.15J**
Styrene	100-42-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Tetrachloroethene	127-18-4	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Toluene	108-88-3	<0.0069	**1.4J**	**2J**	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
trans-1,2-Dichloroethene	156-60-5	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
trans-1,3-Dichloropropene	10061-02-6	<0.0069	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Trichloroethene	79-01-6	<0.0069	**21**	**51**	<27	**1.2J**	**0.53**	**0.32**	<0.51	<0.48	<0.21
Vinyl Chloride	75-01-4	**0.0046J**	<5.1	<7.2	<27	<1.2	<0.24	<0.2	<0.51	<0.48	<0.21
Xylenes,Total	1330-20-7	<0.014	<10	<14	<53	<2.4	<0.48	<0.4	<1	<0.97	<0.42
Total VOCs		**0.15**	**170**	**260**	**200**	**22**	**4.4**	**2.7**	**3.9**	**3.1**	**1.6**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-09	A1-09	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10
	SAMPLE DEPTH (FT BGS):	92.5-95	105-107.5	5-7.5	20-22.5	20-22.5 DUP	35-37.5	40-42.5	40-42.5 DUP	57.5-60	65-67.5
	SAMPLE DATE:	9/29/04	9/29/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,1,2,2-Tetrachloroethane	79-34-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,1,2-Trichloroethane	79-00-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,1-Dichloroethane	75-34-3	<0.17	<0.19	**0.0017J**	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,1-Dichloroethene	75-35-4	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,2-Dichloroethane	107-06-2	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
1,2-Dichloropropane	78-87-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
2-Butanone (MEK)	78-93-3	<0.84	<0.96	**0.018J**	**0.016J**	**0.011J**	<0.029	<0.023	<0.024	<0.023	<0.024
2-Hexanone	591-78-6	<0.84	<0.96	<0.035	<0.032	<0.031	<0.029	<0.023	<0.024	<0.023	<0.024
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.84	<0.96	<0.035	<0.032	<0.031	<0.029	<0.023	<0.024	<0.023	<0.024
Acetone	67-64-1	<1.7	<1.9	<0.071	**0.82**	**0.64**	<0.012	<0.014	<0.0095	<0.046	<0.011
Benzene	71-43-2	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	**0.0015J**	<0.0048	<0.0046	<0.0048
Bromodichloromethane	75-27-4	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Bromoform	75-25-2	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Bromomethane	74-83-9	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Carbon Disulfide	75-15-0	<0.17	<0.19	**0.0096**	<0.0064	<0.0063	<0.0059	<0.0045	**0.002J**	<0.0046	<0.0048
Carbon Tetrachloride	56-23-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Chlorobenzene	108-90-7	**0.25J**	**1.1**	<0.007	<0.0064	<0.0063	<0.0059	**0.0019J**	<0.0048	<0.0046	<0.0048
Chloroethane (ethyl chloride)	75-00-3	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Chloroform	67-66-3	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Chloromethane	74-87-3	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
cis-1,2-Dichloroethene	156-59-2	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
cis-1,3-Dichloropropene	10061-01-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Dibromochloromethane	124-48-1	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Dichloromethane	75-09-2	<0.17	<0.19	<0.007	**0.12**	**0.072**	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Ethyl benzene	100-41-4	**0.18J**	<0.19	**0.0022J**	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Styrene	100-42-5	0.1J	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Tetrachloroethene	127-18-4	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Toluene	108-88-3	<0.17	**0.053J**	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	**0.002J**
trans-1,2-Dichloroethene	156-60-5	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
trans-1,3-Dichloropropene	10061-02-6	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Trichloroethene	79-01-6	**0.085J**	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Vinyl Chloride	75-01-4	<0.17	<0.19	<0.007	<0.0064	<0.0063	<0.0059	<0.0045	<0.0048	<0.0046	<0.0048
Xylenes,Total	1330-20-7	<0.34	<0.38	**0.011J**	<0.013	<0.012	<0.012	<0.009	<0.0096	<0.0092	<0.0097
Total VOCs		**0.52**	**1.2**	**0.04**	**0.96**	**0.72**	**ND**	**0.0034**	**0.002**	**ND**	**0.002**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-10	A1-10	A1-10	A1-10	A1-10	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11
	SAMPLE DEPTH (FT BGS):	75-77.5	75-77.5 DUP	80-82.5	90-92.5	105-107.5	5-7.5	10-12.5	20-22.5	30-32.5	40-42.5	40-42.5 DUP
	SAMPLE DATE:	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260												
1,1,1-Trichloroethane	71-55-6	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,1,2-Trichloroethane	79-00-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,1-Dichloroethane	75-34-3	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,1-Dichloroethene	75-35-4	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,2-Dichloroethane	107-06-2	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
1,2-Dichloropropane	78-87-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
2-Butanone (MEK)	78-93-3	<0.027	<0.026	<0.021	<0.023	<0.024	<0.031	<0.049	<0.046	<0.026	<0.026	<0.025
2-Hexanone	591-78-6	<0.027	<0.026	<0.021	<0.023	<0.024	<0.031	<0.049	<0.046	<0.026	<0.026	<0.025
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.027	<0.026	<0.021	<0.023	<0.024	<0.031	<0.049	<0.046	<0.026	<0.026	<0.025
Acetone	67-64-1	<0.054	<0.0084	<0.0093	<0.011	<0.019	**0.023J**	**0.02J**	**0.027J**	**0.013J**	**0.01J**	**0.012J**
Benzene	71-43-2	<0.0054	<0.0052	**0.001J**	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Bromodichloromethane	75-27-4	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Bromoform	75-25-2	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Bromomethane	74-83-9	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Carbon Disulfide	75-15-0	<0.0054	<0.0052	**0.0032J**	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Carbon Tetrachloride	56-23-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Chlorobenzene	108-90-7	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Chloroethane (ethyl chloride)	75-00-3	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Chloroform	67-66-3	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	**0.0028J**	**0.0031J**	**0.0021J**
Chloromethane	74-87-3	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
cis-1,2-Dichloroethene	156-59-2	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
cis-1,3-Dichloropropene	10061-01-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Dibromochloromethane	124-48-1	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Dichloromethane	75-09-2	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Ethyl benzene	100-41-4	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Styrene	100-42-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Tetrachloroethene	127-18-4	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Toluene	108-88-3	<0.0054	**0.0025J**	<0.0042	<0.0047	<0.0048	<0.0062	<0.0037	<0.0092	<0.0052	<0.0053	<0.005
trans-1,2-Dichloroethene	156-60-5	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
trans-1,3-Dichloropropene	10061-02-6	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Trichloroethene	79-01-6	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Vinyl Chloride	75-01-4	<0.0054	<0.0052	<0.0042	<0.0047	<0.0048	<0.0062	<0.0098	<0.0092	<0.0052	<0.0053	<0.005
Xylenes,Total	1330-20-7	<0.011	<0.01	<0.0085	<0.0093	<0.0095	<0.012	**0.0027J**	<0.018	<0.01	<0.01	<0.01
Total VOCs		**ND**	**0.0025**	**0.0042**	**ND**	**ND**	**0.023**	**0.023**	**0.027**	**0.016**	**0.013**	**0.014**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-12	A1-12	A1-12
	SAMPLE DEPTH (FT BGS):	57.5-60	62.5-65	72.5-75	72.5-75 DUP	82.5-85	92.5-95	102.5-105	7.5-10	12.5-15	22.5-25
	SAMPLE DATE:	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	10/5/04	10/5/04	10/5/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
1,1,2,2-Tetrachloroethane	79-34-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
1,1,2-Trichloroethane	79-00-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
1,1-Dichloroethane	75-34-3	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	**0.0025J**	**0.0041J**
1,1-Dichloroethene	75-35-4	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	**0.002J**
1,2-Dichloroethane	107-06-2	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
1,2-Dichloropropane	78-87-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
2-Butanone (MEK)	78-93-3	<0.035	<0.024	<0.027	<0.025	<0.026	<0.026	<0.023	<0.031	<0.027	<0.021
2-Hexanone	591-78-6	<0.035	<0.024	<0.027	<0.025	<0.026	<0.026	<0.023	<0.031	<0.027	<0.021
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.035	<0.024	<0.027	<0.025	<0.026	<0.026	<0.023	<0.031	<0.027	<0.021
Acetone	67-64-1	**0.015J**	**0.0096J**	**0.0091J**	<0.05	**0.013J**	**0.012J**	**0.011J**	**1**	**0.26**	**0.0088J**
Benzene	71-43-2	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Bromodichloromethane	75-27-4	<0.0069	<0.0047	<0.0054	<0.005	**0.0022J**	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Bromoform	75-25-2	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Bromomethane	74-83-9	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Carbon Disulfide	75-15-0	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Carbon Tetrachloride	56-23-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Chlorobenzene	108-90-7	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	**0.017**	**0.012**
Chloroethane (ethyl chloride)	75-00-3	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Chloroform	67-66-3	**0.0058J**	**0.0027J**	**0.011**	**0.0044J**	**0.015**	**0.0083**	**0.0044J**	**0.002J**	<0.0054	<0.0042
Chloromethane	74-87-3	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
cis-1,2-Dichloroethene	156-59-2	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	**0.019**	**0.015**
cis-1,3-Dichloropropene	10061-01-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Dibromochloromethane	124-48-1	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Dichloromethane	75-09-2	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	**0.078**	**0.069**	<0.0042
Ethyl benzene	100-41-4	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Styrene	100-42-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	**0.0012J**
Tetrachloroethene	127-18-4	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Toluene	108-88-3	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	**0.0024J**	<0.0042
trans-1,2-Dichloroethene	156-60-5	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	**0.0091**	**0.01**
trans-1,3-Dichloropropene	10061-02-6	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Trichloroethene	79-01-6	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	**0.0065**	**0.0048J**	**0.01**
Vinyl Chloride	75-01-4	<0.0069	<0.0047	<0.0054	<0.005	<0.0053	<0.0051	<0.0046	<0.0063	<0.0054	<0.0042
Xylenes,Total	1330-20-7	<0.014	<0.0095	<0.011	<0.0099	<0.01	<0.01	<0.0092	<0.012	<0.011	<0.0085
Total VOCs		**0.021**	**0.012**	**0.020**	**0.0044**	**0.030**	**0.020**	**0.015**	**1.1**	**0.38**	**0.063**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-13
	SAMPLE DEPTH (FT BGS):	37.5-40	37.5-40 DUP	47.5-50	52.5-55	62.5-65	72.5-75	80-82.5	97.5-100	110-112	2-4
	SAMPLE DATE:	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/9-10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
1,1,2,2-Tetrachloroethane	79-34-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
1,1,2-Trichloroethane	79-00-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
1,1-Dichloroethane	75-34-3	<0.27	<0.0069	<0.0046	<4.9	**0.006**	**0.0013J**	<0.29	<0.0048	<0.18	<0.33
1,1-Dichloroethene	75-35-4	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
1,2-Dichloroethane	107-06-2	<0.27	<0.0069	**0.0039J**	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
1,2-Dichloropropane	78-87-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
2-Butanone (MEK)	78-93-3	<1.4	<0.035	<0.023	<25	<0.026	<0.023	<1.5	<0.024	<0.92	<1.6
2-Hexanone	591-78-6	<1.4	<0.035	<0.023	<25	<0.026	<0.023	<1.5	<0.024	<0.92	<1.6
4-Methyl-2-pentanone (MIBK)	108-10-1	<1.4	<0.035	<0.023	<25	<0.026	<0.023	<1.5	<0.024	<0.92	<1.6
Acetone	67-64-1	<2.7	**0.018J**	<0.046	<49	<0.052	<0.046	<2.9	**0.012J**	<1.8	<3.3
Benzene	71-43-2	<0.27	**0.0024J**	**0.012**	<4.9	**0.013**	**0.0078**	<0.29	<0.0048	<0.18	**0.15J**
Bromodichloromethane	75-27-4	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Bromoform	75-25-2	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Bromomethane	74-83-9	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Carbon Disulfide	75-15-0	<0.27	<0.0069	**0.0028J**	<4.9	<0.0052	<0.0046	<0.29	**0.0022J**	<0.18	<0.33
Carbon Tetrachloride	56-23-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Chlorobenzene	108-90-7	**2.6**	**4.2J**	**5.2**	**46**	**4.4J**	**1.8**	**2.9**	**0.071**	**0.46**	**2**
Chloroethane (ethyl chloride)	75-00-3	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Chloroform	67-66-3	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Chloromethane	74-87-3	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
cis-1,2-Dichloroethene	156-59-2	<0.27	**0.0022J**	**0.0030J**	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
cis-1,3-Dichloropropene	10061-01-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Dibromochloromethane	124-48-1	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Dichloromethane	75-09-2	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Ethyl benzene	100-41-4	<0.27	**0.0028J**	**0.0048**	<4.9	**0.0013J**	**0.0016J**	<0.29	<0.0048	**0.068J**	**0.5**
Styrene	100-42-5	<0.27	**0.0022J**	<0.0046	<4.9	**0.14J**	<0.0046	**0.16J**	<0.0048	<0.18	<0.33
Tetrachloroethene	127-18-4	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	**4.5**
Toluene	108-88-3	<0.27	<0.0069	<0.0046	**0.95J**	<0.0052	**0.002J**	<0.29	<0.0048	**0.057J**	**0.3J**
trans-1,2-Dichloroethene	156-60-5	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
trans-1,3-Dichloropropene	10061-02-6	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Trichloroethene	79-01-6	<0.27	<0.0069	<0.0046	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Vinyl Chloride	75-01-4	<0.27	<0.0069	**0.0037J**	<4.9	<0.0052	<0.0046	<0.29	<0.0048	<0.18	<0.33
Xylenes,Total	1330-20-7	<0.54	<0.014	<0.0092	<9.9	<0.0052	<0.0092	<0.59	<0.0096	<0.37	**1.1**
Total VOCs		**2.6**	**4.2**	**5.2**	**47**	**4.6**	**1.8**	**3.1**	**0.085**	**0.59**	**8.6**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-13	A1-13	A1-13	A1-13	A1-13	A1-13	A1-13	A1-14	A1-14	A1-14
	SAMPLE DEPTH (FT BGS):	11-13.5	19-21.5	36-38.5	36-38.5 DUP	64-66.5	76.5-79	106-108.5	2.5-5	12.5-15	25-27.5
	SAMPLE DATE:	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/11/04	10/11/04	10/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,1,2,2-Tetrachloroethane	79-34-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,1,2-Trichloroethane	79-00-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,1-Dichloroethane	75-34-3	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,1-Dichloroethene	75-35-4	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,2-Dichloroethane	107-06-2	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
1,2-Dichloropropane	78-87-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
2-Butanone (MEK)	78-93-3	<9.4	<29	<0.026	<0.023	<1	<0.028	<0.025	<6.7	<15	<10
2-Hexanone	591-78-6	<9.4	<29	<0.026	<0.023	<1	<0.028	<0.025	<6.7	<15	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	<9.4	<29	<0.026	<0.023	<1	<0.028	<0.025	**3.5J**	**53**	**8.3J**
Acetone	67-64-1	<19	<58	<0.051	**0.0092J**	<2.1	**0.011J**	<0.049	<13	<30	<20
Benzene	71-43-2	**14**	**5.4J**	**0.0015J**	**0.0016J**	<0.21	**0.0018J**	<0.0049	**0.88J**	**8.8**	**7.2**
Bromodichloromethane	75-27-4	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Bromoform	75-25-2	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Bromomethane	74-83-9	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Carbon Disulfide	75-15-0	<1.9	<5.8	**0.0077**	**0.0035J**	<0.21	**0.0037J**	<0.0049	<1.3	<3	<2
Carbon Tetrachloride	56-23-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Chlorobenzene	108-90-7	**43**	**92**	**0.066**	**0.075**	**0.46**	**0.039**	**0.0037J**	**4.3**	**2.5J**	**8.6**
Chloroethane (ethyl chloride)	75-00-3	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Chloroform	67-66-3	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Chloromethane	74-87-3	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
cis-1,2-Dichloroethene	156-59-2	<1.9	**12**	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	**7.8**	**0.78J**
cis-1,3-Dichloropropene	10061-01-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Dibromochloromethane	124-48-1	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Dichloromethane	75-09-2	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Ethyl benzene	100-41-4	**3**	**8**	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	**0.89J**	**1.6J**	**25**
Styrene	100-42-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Tetrachloroethene	127-18-4	**2.1**	**4.1J**	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	**2J**	**0.77J**
Toluene	108-88-3	**66**	**22**	<0.0051	<0.0046	**0.051J**	**0.0057**	**0.002J**	**5.3**	**32**	**29**
trans-1,2-Dichloroethene	156-60-5	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
trans-1,3-Dichloropropene	10061-02-6	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Trichloroethene	79-01-6	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	**26**	**1.8J**
Vinyl Chloride	75-01-4	<1.9	<5.8	<0.0051	<0.0046	<0.21	<0.0056	<0.0049	<1.3	<3	<2
Xylenes,Total	1330-20-7	**5.4**	**49**	<0.01	<0.0093	<0.41	<0.011	<0.0098	**3.2**	**3.8J**	**2.1J**
Total VOCs		**134**	**193**	**0.075**	**0.089**	**0.51**	**0.061**	**0.0057**	**18**	**138**	**84**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14
	SAMPLE DEPTH (FT BGS):	37.5-40	37.5-40 DUP	45-47.5	57.5-60	60-62.5	72.5-75	85-87.5	92.5-95	102.5-105	102.5-105 DUP
	SAMPLE DATE:	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,1,2,2-Tetrachloroethane	79-34-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,1,2-Trichloroethane	79-00-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,1-Dichloroethane	75-34-3	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,1-Dichloroethene	75-35-4	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,2-Dichloroethane	107-06-2	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
1,2-Dichloropropane	78-87-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
2-Butanone (MEK)	78-93-3	<2.7	<2.6	<4.9	<2.5	<0.91	<1.1	<0.54	<2.5	<2.4	<2.4
2-Hexanone	591-78-6	<2.7	<2.6	<4.9	<2.5	<0.91	<1.1	<0.54	<2.5	<2.4	<2.4
4-Methyl-2-pentanone (MIBK)	108-10-1	<2.7	<2.6	<4.9	<2.5	<0.91	<1.1	<0.54	<2.5	<2.4	<2.4
Acetone	67-64-1	<5.4	<5.2	<9.8	<4.9	<1.8	<2.2	<1.1	<5	<4.8	<4.7
Benzene	71-43-2	**0.19J**	**0.27J**	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Bromodichloromethane	75-27-4	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Bromoform	75-25-2	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Bromomethane	74-83-9	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Carbon Disulfide	75-15-0	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Carbon Tetrachloride	56-23-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Chlorobenzene	108-90-7	**10**	**12**	**0.93J**	**0.63**	**0.64**	<0.22	**0.3**	<0.5	<0.48	<0.47
Chloroethane (ethyl chloride)	75-00-3	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Chloroform	67-66-3	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Chloromethane	74-87-3	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
cis-1,2-Dichloroethene	156-59-2	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
cis-1,3-Dichloropropene	10061-01-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Dibromochloromethane	124-48-1	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Dichloromethane	75-09-2	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Ethyl benzene	100-41-4	**12**	**14**	**0.27J**	<0.49	<0.18	<0.22	**0.21**	<0.5	<0.48	<0.47
Styrene	100-42-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Tetrachloroethene	127-18-4	**0.92**	**0.81**	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Toluene	108-88-3	**2**	**2.2**	<0.98	<0.49	**0.036J**	<0.22	**0.12**	<0.5	<0.48	<0.47
trans-1,2-Dichloroethene	156-60-5	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
trans-1,3-Dichloropropene	10061-02-6	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Trichloroethene	79-01-6	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Vinyl Chloride	75-01-4	<0.54	<0.52	<0.98	<0.49	<0.18	<0.22	<0.11	<0.5	<0.48	<0.47
Xylenes,Total	1330-20-7	<1.1	**0.69J**	<2	<0.99	<0.36	<0.45	<0.22	<1	<0.97	<0.94
Total VOCs		**25**	**30**	**1.2**	**0.63**	**0.68**	**ND**	**0.63**	**ND**	**ND**	**ND**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-14	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15
	SAMPLE DEPTH (FT BGS):	112.5-115	7.5-10	15-17.5	25-27.5	32.5-35	32.5-35 DUP	45-47.5	50-52.5	60-62.5	77.5-80
	SAMPLE DATE:	10/11/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,1,2,2-Tetrachloroethane	79-34-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,1,2-Trichloroethane	79-00-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,1-Dichloroethane	75-34-3	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,1-Dichloroethene	75-35-4	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,2-Dichloroethane	107-06-2	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
1,2-Dichloropropane	78-87-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
2-Butanone (MEK)	78-93-3	<2.2	<0.035	<0.03	<0.03	<0.025	<0.023	<0.02	<0.031	<0.02	<0.023
2-Hexanone	591-78-6	<2.2	<0.035	<0.03	<0.03	<0.025	<0.023	<0.02	<0.031	<0.02	<0.023
4-Methyl-2-pentanone (MIBK)	108-10-1	<2.2	<0.035	<0.03	<0.03	<0.025	<0.023	<0.02	<0.031	<0.02	<0.023
Acetone	67-64-1	<4.5	**0.022J**	**0.4**	**0.01J**	**0.012J**	**0.0083J**	**0.013J**	**0.02J**	<0.041	**0.012J**
Benzene	71-43-2	<0.45	**0.002J**	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	**0.0015J**	<0.0046
Bromodichloromethane	75-27-4	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Bromoform	75-25-2	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Bromomethane	74-83-9	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Carbon Disulfide	75-15-0	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.0063	<0.0056	<0.0018	<0.0019
Carbon Tetrachloride	56-23-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Chlorobenzene	108-90-7	**0.99**	<0.007	<0.0061	<0.006	<0.005	**0.0018J**	**0.13**	**0.086**	**0.33**	**0.014**
Chloroethane (ethyl chloride)	75-00-3	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Chloroform	67-66-3	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Chloromethane	74-87-3	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
cis-1,2-Dichloroethene	156-59-2	<0.45	<0.007	<0.0061	<0.006	**0.0017J**	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
cis-1,3-Dichloropropene	10061-01-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Dibromochloromethane	124-48-1	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Dichloromethane	75-09-2	<0.45	<0.007	**0.055**	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Ethyl benzene	100-41-4	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Styrene	100-42-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Tetrachloroethene	127-18-4	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Toluene	108-88-3	<0.45	**0.0027J**	<0.0061	<0.006	**0.0019J**	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
trans-1,2-Dichloroethene	156-60-5	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
trans-1,3-Dichloropropene	10061-02-6	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Trichloroethene	79-01-6	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Vinyl Chloride	75-01-4	<0.45	<0.007	<0.0061	<0.006	<0.005	<0.0046	<0.004	<0.0062	<0.0041	<0.0046
Xylenes,Total	1330-20-7	<0.9	<0.014	<0.012	<0.012	<0.01	<0.0092	<0.0079	<0.012	<0.0082	<0.0092
Total VOCs		**0.99**	**0.027**	**0.46**	**0.010**	**0.016**	**0.010**	**0.14**	**0.11**	**0.33**	**0.026**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-15	A1-15	A1-15	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16
	SAMPLE DEPTH (FT BGS):	85-87.5	90-92.5	105-107.5	5-7.5	17.5-20	27.5-30	35-37.5	42.5-45	50-52.5	50-52.5 DUP
	SAMPLE DATE:	10/13/04	10/13/04	10/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
1,1,2,2-Tetrachloroethane	79-34-5	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
1,1,2-Trichloroethane	79-00-5	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
1,1-Dichloroethane	75-34-3	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
1,1-Dichloroethene	75-35-4	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
1,2-Dichloroethane	107-06-2	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	**0.041J**	<0.0051	<0.0053	<0.21	<0.16
1,2-Dichloropropane	78-87-5	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
2-Butanone (MEK)	78-93-3	<0.031	<0.022	<0.016	**0.025J**	**0.031J**	**0.11J**	**0.015J**	**0.018J**	**0.94J**	**0.66J**
2-Hexanone	591-78-6	<0.031	<0.022	<0.016	<0.025	<0.045	**0.015J**	<0.025	<0.026	<1.1	<0.78
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.031	<0.022	<0.016	**0.0098J**	**0.044J**	<1.2	<0.025	<0.026	<1.1	<0.78
Acetone	67-64-1	**0.014J**	**0.013J**	**0.017J**	0.038	<0.024	<2.4	<0.01	**0.021J**	<2.1	<1.6
Benzene	71-43-2	<0.0062	<0.0044	**0.0013J**	**0.0083J**	**0.072**	**0.31**	**0.084**	**0.081J**	**0.26**	**0.083J**
Bromodichloromethane	75-27-4	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Bromoform	75-25-2	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Bromomethane	74-83-9	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Carbon Disulfide	75-15-0	<0.0034	<0.0044	<0.0013	**0.0024J**	<0.0089	**0.0028J**	**0.0029J**	**0.0095**	<0.21	<0.16
Carbon Tetrachloride	56-23-5	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Chlorobenzene	108-90-7	**0.03**	**0.007**	**0.036**	**0.017J**	**2.8**	**5.1**	**2.6**	**2.2**	**2.1**	**1.9**
Chloroethane (ethyl chloride)	75-00-3	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Chloroform	67-66-3	0.0016J	<0.0044	<0.0032	**0.0018J**	**0.04**	**0.012J**	**0.0072**	<0.0053	<0.21	<0.16
Chloromethane	74-87-3	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
cis-1,2-Dichloroethene	156-59-2	<0.0062	<0.0044	<0.0032	**0.035J**	**0.08**	**0.028J**	<0.0051	<0.0053	<0.21	<0.16
cis-1,3-Dichloropropene	10061-01-5	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Dibromochloromethane	124-48-1	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Dichloromethane	75-09-2	<0.0062	<0.0044	<0.0032	<0.0049	**0.0066J**	**0.0089J**	<0.0051	<0.0053	<0.21	<0.16
Ethyl benzene	100-41-4	<0.0062	<0.0044	**0.0014J**	**0.081J**	**0.052**	**0.43**	**0.048**	**0.093J**	**0.088J**	**0.075J**
Styrene	100-42-5	<0.0062	<0.0044	<0.0032	**0.0026J**	<0.0089	<0.0054	<0.0051	<0.0053	**0.17J**	**0.028J**
Tetrachloroethene	127-18-4	<0.0062	<0.0044	<0.0032	**1.6**	**0.0094**	**0.016J**	<0.0051	<0.0053	<0.21	<0.16
Toluene	108-88-3	<0.0062	<0.0044	**0.0031J**	**0.014J**	**0.064**	**0.45**	**0.18**	**0.16J**	**0.57**	**0.13J**
trans-1,2-Dichloroethene	156-60-5	<0.0062	<0.0044	<0.0032	**0.0018J**	<0.0089	<0.0054	<0.0051	**0.002J**	<0.21	<0.16
trans-1,3-Dichloropropene	10061-02-6	<0.0062	<0.0044	<0.0032	<0.0049	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Trichloroethene	79-01-6	<0.0062	<0.0044	<0.0032	**0.12J**	**0.015**	**0.033J**	<0.0051	<0.0053	<0.21	<0.16
Vinyl Chloride	75-01-4	<0.0062	<0.0044	<0.0032	**0.004J**	<0.0089	<0.0054	<0.0051	<0.0053	<0.21	<0.16
Xylenes,Total	1330-20-7	<0.012	<0.0088	<0.0064	**0.073J**	**0.031**	**0.53**	**0.098**	**0.6**	**0.17J**	**0.13J**
Total VOCs		**0.044**	**0.020**	**0.059**	**2.0**	**3.3**	**7.1**	**3.0**	**3.2**	**4.3**	**3.0**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-17	A1-17	A1-17	A1-18
	SAMPLE DEPTH (FT BGS):	60-62.5	60-62.5 DUP	75-77.5	87.5-90	92.5-95	105-107.5	5-7.5	17.5-20	22.5-25	7.5-10
	SAMPLE DATE:	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/30/04	9/30/04	9/30/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,1,2,2-Tetrachloroethane	79-34-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,1,2-Trichloroethane	79-00-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,1-Dichloroethane	75-34-3	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,1-Dichloroethene	75-35-4	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,2-Dichloroethane	107-06-2	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
1,2-Dichloropropane	78-87-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
2-Butanone (MEK)	78-93-3	**0.92J**	**1J**	**0.016J**	**0.0088J**	**0.019J**	0.017J	**0.0073J**	**0.028J**	<0.026	<14
2-Hexanone	591-78-6	<1.1	<1.1	<0.026	<0.017	<0.028	<0.025	<0.027	<0.037	<0.026	<14
4-Methyl-2-pentanone (MIBK)	108-10-1	<1.1	<1.1	<0.026	<0.017	<0.028	<0.025	<0.027	<0.037	<0.026	<14
Acetone	67-64-1	<2.2	<2.2	<0.011	<0.0056	<0.0091	<0.05	**0.041J**	**0.11**	**0.017J**	<28
Benzene	71-43-2	<0.22	**0.041J**	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	**0.0026J**	<0.0052	**0.89J**
Bromodichloromethane	75-27-4	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Bromoform	75-25-2	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Bromomethane	74-83-9	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Carbon Disulfide	75-15-0	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Carbon Tetrachloride	56-23-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Chlorobenzene	108-90-7	**0.3**	**0.46**	**0.0056**	**0.0014J**	<0.0055	**0.0018J**	<0.0054	<0.0074	**0.0031J**	**39**
Chloroethane (ethyl chloride)	75-00-3	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Chloroform	67-66-3	<0.22	<0.22	**0.0037J**	**0.0067**	**0.0021J**	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Chloromethane	74-87-3	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
cis-1,2-Dichloroethene	156-59-2	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	2.2J
cis-1,3-Dichloropropene	10061-01-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Dibromochloromethane	124-48-1	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Dichloromethane	75-09-2	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Ethyl benzene	100-41-4	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Styrene	100-42-5	**0.12J**	**0.24**	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Tetrachloroethene	127-18-4	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Toluene	108-88-3	<0.22	**0.039J**	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	**0.0037J**	<0.0052	**2.5J**
trans-1,2-Dichloroethene	156-60-5	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
trans-1,3-Dichloropropene	10061-02-6	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Trichloroethene	79-01-6	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Vinyl Chloride	75-01-4	<0.22	<0.22	<0.0052	<0.0035	<0.0055	<0.005	<0.0054	<0.0074	<0.0052	<2.8
Xylenes,Total	1330-20-7	<0.44	<0.43	<0.01	<0.0069	<0.011	<0.0099	<0.011	<0.015	<0.01	<5.6
Total VOCs		**1.3**	**1.8**	**0.025**	**0.017**	**0.032**	**0.0018**	**0.048**	**0.14**	**0.020**	**42**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18
	SAMPLE DEPTH (FT BGS):	7.5-10 DUP	12.5-15	27.5-30	32.5-35	40-42.5	52.5-55	67.5-70	72.5-75	85-87.5	85-87.5 DUP
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,1,2,2-Tetrachloroethane	79-34-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,1,2-Trichloroethane	79-00-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,1-Dichloroethane	75-34-3	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,1-Dichloroethene	75-35-4	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,2-Dichloroethane	107-06-2	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
1,2-Dichloropropane	78-87-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
2-Butanone (MEK)	78-93-3	<11	<1	<1.1	<0.96	<2.4	<1	<0.99	<0.025	<0.026	<0.028
2-Hexanone	591-78-6	<11	<1	<1.1	<0.96	<2.4	<1	<0.99	<0.025	<0.026	<0.028
4-Methyl-2-pentanone (MIBK)	108-10-1	<11	<1	<1.1	<0.96	<2.4	<1	<0.99	**0.006J**	<0.026	<0.028
Acetone	67-64-1	<22	<2.1	<2.2	<1.9	<4.8	<2.1	<2	<0.05	**0.0093J**	<0.056
Benzene	71-43-2	<2.2	<0.21	**0.12J**	**0.12J**	<0.48	<0.21	<0.2	**0.01**	<0.0053	<0.0056
Bromodichloromethane	75-27-4	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Bromoform	75-25-2	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Bromomethane	74-83-9	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Carbon Disulfide	75-15-0	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Carbon Tetrachloride	56-23-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Chlorobenzene	108-90-7	**18**	**2**	**1.8**	**3.6**	**2.2**	**0.45**	**0.47**	**0.65**	**0.017**	**0.0093**
Chloroethane (ethyl chloride)	75-00-3	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Chloroform	67-66-3	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	**0.0024J**	<0.0053	<0.0056
Chloromethane	74-87-3	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
cis-1,2-Dichloroethene	156-59-2	<2.2	**0.41**	**0.079J**	**0.092J**	<0.48	<0.21	<0.2	**0.0036J**	<0.0053	<0.0056
cis-1,3-Dichloropropene	10061-01-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Dibromochloromethane	124-48-1	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Dichloromethane	75-09-2	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Ethyl benzene	100-41-4	<2.2	<0.21	<0.22	**0.097J**	**0.085J**	<0.21	<0.2	**0.0047J**	<0.0053	<0.0056
Styrene	100-42-5	<2.2	**0.065J**	<0.22	**0.05J**	<0.48	**0.033J**	**0.035J**	<0.005	<0.0053	<0.0056
Tetrachloroethene	127-18-4	<2.2	<0.21	**0.09J**	**0.2**	<0.48	<0.21	<0.2	**0.0088**	<0.0053	<0.0056
Toluene	108-88-3	**0.67J**	**0.083J**	**0.096J**	**0.11J**	<0.48	<0.21	<0.2	**0.0034J**	<0.0053	<0.0056
trans-1,2-Dichloroethene	156-60-5	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
trans-1,3-Dichloropropene	10061-02-6	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Trichloroethene	79-01-6	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Vinyl Chloride	75-01-4	<2.2	<0.21	<0.22	<0.19	<0.48	<0.21	<0.2	<0.005	<0.0053	<0.0056
Xylenes,Total	1330-20-7	<4.3	<0.41	<0.44	**0.18J**	<0.96	<0.42	<0.4	**0.0088J**	<0.01	<0.011
Total VOCs		**19**	**2.6**	**2.2**	**4.4**	**2.3**	**0.48**	**0.51**	**0.70**	**0.026**	**0.0093**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	95-97.5	105-107.5	110-112.5	6-8.5	11-13.5	28.5-31	28.5-31 DUP	33.5-36	42.5-45	58.5-60
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260											
1,1,1-Trichloroethane	71-55-6	<0.0069	<0.006	<0.005	<0.55	<0.8	<0.06	<0.099	<3.5	<0.38	<0.14
1,1,2,2-Tetrachloroethane	79-34-5	<0.0069	<0.006	<0.005	<0.65	<0.94	<0.07	<0.12	<4.1	<0.45	<0.16
1,1,2-Trichloroethane	79-00-5	<0.0069	<0.006	<0.005	<0.78	<1.1	<0.085	<0.14	<4.9	<0.54	<0.2
1,1-Dichloroethane	75-34-3	<0.0069	<0.006	<0.005	<0.65	<0.94	<0.07	<0.12	<4.1	<0.45	<0.16
1,1-Dichloroethene	75-35-4	<0.0069	<0.006	<0.005	<0.72	<1	<0.077	<0.13	<4.5	<0.5	<0.18
1,2-Dichloroethane	107-06-2	<0.0069	<0.006	<0.005	<0.78	<1.1	<0.085	<0.14	<4.9	<0.54	<0.2
1,2-Dichloropropane	78-87-5	<0.0069	<0.006	<0.005	<0.85	<1.2	<0.092	<0.15	<5.3	<0.59	<0.21
2-Butanone (MEK)	78-93-3	<0.035	<0.03	<0.025	<2.6	<3.7	<0.28	<0.47	<16	<1.8	<0.66
2-Hexanone	591-78-6	<0.035	<0.03	<0.025	<3.5	<5.1	<0.38	<0.63	<22	<2.4	<0.89
4-Methyl-2-pentanone (MIBK)	108-10-1	<0.035	<0.03	<0.025	<3.8	<5.4	<0.41	<0.67	<24	<2.6	<0.95
Acetone	67-64-1	**0.012J**	<0.06	<0.05	<2	<2.8	<0.21	<0.35	<12	<1.4	<0.49
Benzene	71-43-2	**0.0025J**	**0.002J**	<0.005	**18**	**26**	**1.3**	**0.18J**	<3.5	<0.39	<0.14
Bromodichloromethane	75-27-4	<0.0069	<0.006	<0.005	<0.65	<0.94	<0.07	<0.12	<4.1	<0.45	<0.16
Bromoform	75-25-2	<0.0069	<0.006	<0.005	<1.4	<2.1	<0.15	<0.26	<9	<1	<0.36
Bromomethane	74-83-9	<0.0069	<0.006	<0.005	<0.85	<1.2	<0.092	<0.15	<5.3	<0.59	<0.21
Carbon Disulfide	75-15-0	**0.0036J**	<0.006	<0.005	<0.65	<0.94	<0.07	<0.12	<4.1	<0.45	<0.16
Carbon Tetrachloride	56-23-5	<0.0069	<0.006	<0.005	<0.58	<0.83	<0.063	<0.1	<3.6	<0.4	<0.15
Chlorobenzene	108-90-7	**0.09**	**0.037**	<0.005	**880**	**990**	**16J**	**3.4J**	**14J**	**5.4**	**3.5**
Chloroethane (ethyl chloride)	75-00-3	<0.0069	<0.006	<0.005	<0.98	<1.4	<0.11	<0.17	<6.1	<0.68	<0.25
Chloroform	67-66-3	<0.0069	<0.006	<0.005	<0.57	<0.82	<0.062	<0.1	<3.6	<0.4	<0.14
Chloromethane	74-87-3	<0.0069	<0.006	<0.005	<0.46	<0.66	<0.049	<0.081	<2.9	<0.32	<0.11
cis-1,2-Dichloroethene	156-59-2	<0.0069	<0.006	<0.005	<0.57	<0.82	**0.27J**	<0.1	<3.6	<0.4	<0.14
cis-1,3-Dichloropropene	10061-01-5	<0.0069	<0.006	<0.005	<0.59	<0.85	<0.064	<0.11	<3.7	<0.41	<0.15
Dibromochloromethane	124-48-1	<0.0069	<0.006	<0.005	<0.72	<1	<0.077	<0.13	<4.5	<0.5	<0.18
Dichloromethane	75-09-2	<0.0069	<0.006	<0.005	<1	<1.5	<0.11	<0.19	<6.6	<0.72	<0.26
Ethyl benzene	100-41-4	**0.002J**	<0.006	<0.005	**14**	**12**	**5.2**	**0.72J**	<3.6	**0.47J**	**0.87**
Styrene	100-42-5	<0.0069	<0.006	<0.005	<0.55	<0.8	<0.06	<0.099	<3.5	<0.38	<0.14
Tetrachloroethene	127-18-4	**0.0033J**	<0.006	<0.005	<0.65	<0.94	**9.6**	**0.52J**	<4.1	<0.45	<0.16
Toluene	108-88-3	<0.0069	<0.006	**0.002J**	**1J**	**4.2J**	**5.9**	**0.47J**	<4.1	<0.45	<0.16
trans-1,2-Dichloroethene	156-60-5	<0.0069	<0.006	<0.005	<0.72	<1	<0.077	<0.13	<4.5	<0.5	<0.18
trans-1,3-Dichloropropene	10061-02-6	<0.0069	<0.006	<0.005	<0.72	<1	<0.077	<0.13	<4.5	<0.5	<0.18
Trichloroethene	79-01-6	<0.0069	<0.006	<0.005	<0.78	<1.1	**0.91**	<0.14	<4.9	<0.54	<0.2
Vinyl Chloride	75-01-4	<0.0069	<0.006	<0.005	<0.6	<0.86	<0.065	<0.11	<3.8	<0.42	<0.15
Xylenes,Total	1330-20-7	<0.014	<0.012	<0.01	**5.1J**	**4.2J**	**1.5**	<0.23	<8.2	<0.9	<0.33
Total VOCs		**0.11**	**0.039**	**0.0020**	**900**	**1000**	**39**	**5.1**	**14**	**5.9**	**4.4**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	66.5-68	76-78.5	88-90.5	93.5-96	100-102.5
	SAMPLE DATE:	10/13/05	10/13/05	10/13/05	10/13/05	10/13/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Volatile Organic Compounds by EPA Method 8260						
1,1,1-Trichloroethane	71-55-6	<0.98	<0.65	<0.42	<4.3	<0.44
1,1,2,2-Tetrachloroethane	79-34-5	<1.2	<0.76	<0.5	<5	<0.52
1,1,2-Trichloroethane	79-00-5	<1.4	<0.91	<0.6	<6	<0.62
1,1-Dichloroethane	75-34-3	<1.2	<0.76	<0.5	<5	<0.52
1,1-Dichloroethene	75-35-4	<1.3	<0.84	<0.55	<5.5	<0.57
1,2-Dichloroethane	107-06-2	<1.4	<0.91	<0.6	<6	<0.62
1,2-Dichloropropane	78-87-5	<1.5	<0.99	<0.65	<6.5	<0.67
2-Butanone (MEK)	78-93-3	<4.6	<3	<2	<20	<2.1
2-Hexanone	591-78-6	<6.3	<4.1	<2.7	<27	<2.8
4-Methyl-2-pentanone (MIBK)	108-10-1	<6.7	<4.4	<2.9	<29	<3
Acetone	67-64-1	<3.5	<2.3	<1.5	<15	<1.5
Benzene	71-43-2	<1	<0.65	<0.43	<4.3	<0.44
Bromodichloromethane	75-27-4	<1.2	<0.76	<0.5	<5	<0.52
Bromoform	75-25-2	<2.5	<1.7	<1.1	<11	<1.1
Bromomethane	74-83-9	<1.5	<0.99	<0.65	<6.5	<0.67
Carbon Disulfide	75-15-0	<1.2	<0.76	<0.5	<5	<0.52
Carbon Tetrachloride	56-23-5	<1	<0.68	<0.44	<4.5	<0.46
Chlorobenzene	108-90-7	**7.3**	**4.2**	**3.3**	<3.5	**1.2J**
Chloroethane (ethyl chloride)	75-00-3	<1.7	<1.1	<0.75	<7.5	<0.77
Chloroform	67-66-3	<1	<0.67	<0.44	<4.4	<0.45
Chloromethane	74-87-3	<0.81	<0.53	<0.35	<3.5	<0.36
cis-1,2-Dichloroethene	156-59-2	<1	<0.67	<0.44	<4.4	<0.45
cis-1,3-Dichloropropene	10061-01-5	<1.1	<0.69	<0.45	<4.6	<0.47
Dibromochloromethane	124-48-1	<1.3	<0.84	<0.55	<5.5	<0.57
Dichloromethane	75-09-2	<1.9	<1.2	<0.8	<8	<0.83
Ethyl benzene	100-41-4	<1	<0.66	<0.43	<4.4	**0.66J**
Styrene	100-42-5	<0.98	<0.65	<0.42	<4.3	<0.44
Tetrachloroethene	127-18-4	<1.2	<0.76	<0.5	<5	<0.52
Toluene	108-88-3	<1.2	<0.76	<0.5	<5	<0.52
trans-1,2-Dichloroethene	156-60-5	<1.3	<0.84	<0.55	<5.5	<0.57
trans-1,3-Dichloropropene	10061-02-6	<1.3	<0.84	<0.55	<5.5	<0.57
Trichloroethene	79-01-6	<1.4	<0.91	<0.6	<6	<0.62
Vinyl Chloride	75-01-4	<1.1	<0.7	<0.46	<4.6	<0.48
Xylenes,Total	1330-20-7	<2.3	<1.5	<1	<10	<1
Total VOCs		**7.3**	**4.2**	**3.3**	**ND**	**1.9**

Notes are on the last page of the table.

Table D-1
Total VOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

Notes:
1. All soil samples were analyzed by Severn Trent Laboratories (STL), Savannah, Georgia.
2. Detected analytes are presented in bold type.
3. J = Analyted detected below quantitation limits. < = Analyte not detected at the specified reporting limit. ND = Not detected.
4. B = Analyte was detected in the method blank sample, organic only.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01
	SAMPLE DEPTH (FT BGS):	0-2.5	20-22.5	25-27.5	35-37.5	40-42.5	40-42.5 DUF	50-52.5	57.5-60	67.5-70	72.5-75	82.5-85	82.5-85 DUF
	SAMPLE DATE:	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
1,2,4-Trichlorobenzene	120-82-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
1,2-Dichlorobenzene	95-50-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
1,3-Dichlorobenzene	541-73-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
1,4-Dichlorobenzene	106-46-7	<1.9	--	**0.067J**	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,4,5-Trichlorophenol	95-95-4	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,4,6-Trichlorophenol	88-06-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,4-Dichlorophenol	120-83-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,4-Dimethylphenol	105-67-9	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,4-Dinitrophenol	51-28-5	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
2,4-Dinitrotoluene	121-14-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2,6-Dinitrotoluene	606-20-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2-Chloronaphthalene	91-58-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2-Chlorophenol	95-57-8	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2-Methylnaphthalene	91-57-6	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
2-Nitroaniline	88-74-4	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
2-Nitrophenol	88-75-5	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
3- and 4-Methylphenol	106-44-5	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
3,3-Dichlorobenzidine	91-94-1	<3.8	--	<0.88	<0.86	<0.81	<0.78	<0.85	--	<0.73	<0.82	<0.82	<0.81
3-Nitroaniline	99-09-2	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
4-Bromophenylphenyl ether	101-55-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
4-Chloro-3-methylphenol	59-50-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
4-Chlorophenylphenyl ether	7005-72-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
4-Nitroaniline	100-01-6	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
4-Nitrophenol	100-02-7	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
Acenaphthene	83-32-9	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Acenaphthylene	208-96-8	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Anthracene	120-12-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Benzo (a) anthracene	56-55-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Benzo (a) pyrene	50-32-8	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Benzo (b) fluoranthene	205-99-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Benzo (g,h,i) perylene	191-24-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Benzo (k) fluoranthene	207-08-9	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
bis (2-Chloroethoxy) methane	111-91-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
bis (2-Chloroethyl) ether	111-44-4	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01	A1-01
	SAMPLE DEPTH (FT BGS):	0-2.5	20-22.5	25-27.5	35-37.5	40-42.5	40-42.5 DUF	50-52.5	57.5-60	67.5-70	72.5-75	82.5-85	82.5-85 DUF
	SAMPLE DATE:	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04	10/7/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Butylbenzyl phthalate	85-68-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Carbazole	86-74-8	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Chrysene	218-01-9	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Dibenzo (a,h) anthracene	53-70-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Dibenzofuran	132-64-9	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Diethyl phthalate	84-66-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Dimethylphthalate	131-11-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Di-n-butyl phthalate	84-74-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Dinitro-2-methylphenol,	534-52-1	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
Di-n-octyl phthalate	117-84-0	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Fluoranthene	206-44-0	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Fluorene	86-73-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Hexachlorobenzene	118-74-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Hexachlorobutadiene	87-68-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Hexachlorocyclopentadiene	77-47-4	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Hexachloroethane	67-72-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Indeno (1,2,3-cd) pyrene	193-39-5	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Isophorone	78-59-1	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Naphthalene	91-20-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Nitrobenzene	98-95-3	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Nitrosodiphenylamine	86-30-6	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
n-Nitrosodi-n-propylamine	621-64-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
o-Cresol (2-methylphenol)	95-48-7	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
p-Chloroaniline	106-47-8	<3.8	--	<0.88	<0.86	<0.81	<0.78	<0.85	--	<0.73	<0.82	<0.82	<0.81
Pentachlorophenol	87-86-5	<9.8	--	<2.3	<2.2	<2.1	<2	<2.2	--	<1.9	<2.1	<2.1	<2.1
Phenanthrene	85-01-8	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Phenols	108-95-2	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Pyrene	129-00-0	<1.9	--	<0.44	<0.43	<0.41	<0.39	<0.42	--	<0.37	<0.41	<0.41	<0.41
Total SVOC's		**ND**	**NA**	**ND**	**ND**	**ND**	**ND**	**ND**	**NA**	**ND**	**ND**	**ND**	**ND**
Total Organic Carbon by EPA Method 9060													
		90000	**10000**	**740B**	**1100**	**1800**	**1300**	**500B**	**740B**	**900B**	**860B**	**4500**	**6400**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-01	A1-01	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02
	SAMPLE DEPTH (FT BGS):	90-92.5	97.5-100	105-107.5	7.5-10	12.5-15	20-22.5	22.5-25	32.5-35	47.5-50	50-52.5	62.5-65	70-72.5
	SAMPLE DATE:	10/7/04	10/7/04	10/7/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
1,2,4-Trichlorobenzene	120-82-1	--	<0.38	<0.41	**82**	**200**	--	**0.096J**	<0.41	<0.42	**19**	**8.3**	--
1,2-Dichlorobenzene	95-50-1	--	<0.38	<0.41	**110**	**210**	--	**0.88**	<0.41	**0.033J**	**2.6**	<0.38	--
1,3-Dichlorobenzene	541-73-1	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
1,4-Dichlorobenzene	106-46-7	--	<0.38	<0.41	**590**	**710**	--	**3.3**	<0.41	**0.28J**	**32**	**3.3**	--
2,4,5-Trichlorophenol	95-95-4	--	<0.38	<0.41	<24	**11J**	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2,4,6-Trichlorophenol	88-06-2	--	<0.38	<0.41	<24	**120**	--	**1**	<0.41	<0.42	<0.42	<0.38	--
2,4-Dichlorophenol	120-83-2	--	<0.38	<0.41	<24	**420**	--	**0.27J**	<0.41	<0.42	<0.42	<0.38	--
2,4-Dimethylphenol	105-67-9	--	<0.38	<0.41	<24	**11J**	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2,4-Dinitrophenol	51-28-5	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	<2.2	<2	--
2,4-Dinitrotoluene	121-14-2	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2,6-Dinitrotoluene	606-20-2	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2-Chloronaphthalene	91-58-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2-Chlorophenol	95-57-8	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2-Methylnaphthalene	91-57-6	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
2-Nitroaniline	88-74-4	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	<2.2	<2	--
2-Nitrophenol	88-75-5	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
3- and 4-Methylphenol	106-44-5	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
3,3-Dichlorobenzidine	91-94-1	--	<0.75	<0.81	<48	<94	--	<0.86	<0.81	<0.84	<0.84	<0.77	--
3-Nitroaniline	99-09-2	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	<2.2	<2	--
4-Bromophenylphenyl ether	101-55-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
4-Chloro-3-methylphenol	59-50-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
4-Chlorophenylphenyl ether	7005-72-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
4-Nitroaniline	100-01-6	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	**0.033J**	<2	--
4-Nitrophenol	100-02-7	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	<2.2	<2	--
Acenaphthene	83-32-9	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Acenaphthylene	208-96-8	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Anthracene	120-12-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Benzo (a) anthracene	56-55-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Benzo (a) pyrene	50-32-8	--	<0.38	<0.41	<24	<47	--	**0.056J**	<0.41	<0.42	<0.42	<0.38	--
Benzo (b) fluoranthene	205-99-2	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Benzo (g,h,i) perylene	191-24-2	--	<0.38	<0.41	<24	**5J**	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Benzo (k) fluoranthene	207-08-9	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
bis (2-Chloroethoxy) methane	111-91-1	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
bis (2-Chloroethyl) ether	111-44-4	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-01	A1-01	A1-01	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02
	SAMPLE DEPTH (FT BGS):	90-92.5	97.5-100	105-107.5	7.5-10	12.5-15	20-22.5	22.5-25	32.5-35	47.5-50	50-52.5	62.5-65	70-72.5
	SAMPLE DATE:	10/7/04	10/7/04	10/7/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04	9/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.38	<0.41	**3.5J**	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Butylbenzyl phthalate	85-68-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Carbazole	86-74-8	--	<0.38	<0.41	<24	**21J**	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Chrysene	218-01-9	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Dibenzo (a,h) anthracene	53-70-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Dibenzofuran	132-64-9	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Diethyl phthalate	84-66-2	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Dimethylphthalate	131-11-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Di-n-butyl phthalate	84-74-2	--	<0.38	<0.41	**54**	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Dinitro-2-methylphenol,	534-52-1	--	<1.9	<2.1	<120	<240	--	<2.2	<2.1	<2.2	<2.2	<2	--
Di-n-octyl phthalate	117-84-0	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Fluoranthene	206-44-0	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Fluorene	86-73-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	**0.28J**	<0.38	--
Hexachlorobenzene	118-74-1	--	<0.38	<0.41	**64**	**14J**	--	<0.43	<0.41	<0.42	**14**	**19**	--
Hexachlorobutadiene	87-68-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Hexachlorocyclopentadiene	77-47-4	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Hexachloroethane	67-72-1	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Isophorone	78-59-1	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Naphthalene	91-20-3	--	<0.38	<0.41	**3.4J**	**150**	--	**0.85**	<0.41	<0.42	**0.07J**	<0.38	--
Nitrobenzene	98-95-3	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Nitrosodiphenylamine	86-30-6	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
n-Nitrosodi-n-propylamine	621-64-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
o-Cresol (2-methylphenol)	95-48-7	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
p-Chloroaniline	106-47-8	--	<0.75	<0.81	<48	**39J**	--	**0.47J**	<0.81	<0.84	<0.84	<0.77	--
Pentachlorophenol	87-86-5	--	<1.9	<2.1	**200**	**930**	--	**8.6**	<2.1	<2.2	<2.2	<2	--
Phenanthrene	85-01-8	--	<0.38	<0.41	<24	**9J**	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Phenols	108-95-2	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Pyrene	129-00-0	--	<0.38	<0.41	<24	<47	--	<0.43	<0.41	<0.42	<0.42	<0.38	--
Total SVOC's		**NA**	**ND**	**ND**	**1100**	**2900**	**NA**	**16**	**ND**	**0.31**	**68**	**31**	**NA**
Total Organic Carbon by EPA Method 9060													
		1400	**<1000**	**400B**	**39000**	**200000**	**860B**	**2800**	**600B**	**470B**	**880B**	**440B**	**420B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03
	SAMPLE DEPTH (FT BGS):	75-77.5	75-77.5 DUP	82.5-85	82.5-85 DUP	90-92.5	105-107	8.5-11	11-13.5	18-20	22.5-25	32.5-35	47.5-50
	SAMPLE DATE:	9/12/04	9/12/04	9/12/04	9/12/04	9/12/04	9/12/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<.43	<.44	--	<.42	<.43	<.38
1,2,4-Trichlorobenzene	120-82-1	**0.12J**	**0.14J**	**5.9**	**5.1**	<0.4	<0.39	**2**	**27**	--	<0.42	<0.43	<0.38
1,2-Dichlorobenzene	95-50-1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
1,3-Dichlorobenzene	541-73-1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
1,4-Dichlorobenzene	106-46-7	**0.12J**	**0.095J**	**2.2**	**1.7**	<0.4	**0.037J**	**7.5**	**46**	--	<0.42	<0.43	<0.38
2,4,5-Trichlorophenol	95-95-4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
2,4,6-Trichlorophenol	88-06-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
2,4-Dichlorophenol	120-83-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	**0.18J**	--	<0.42	<0.43	<0.38
2,4-Dimethylphenol	105-67-9	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.037J**	<0.44	--	<0.42	<0.43	<0.38
2,4-Dinitrophenol	51-28-5	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
2,4-Dinitrotoluene	121-14-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
2,6-Dinitrotoluene	606-20-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	**0.59**
2-Chloronaphthalene	91-58-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
2-Chlorophenol	95-57-8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
2-Methylnaphthalene	91-57-6	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.62**	<0.44	--	<0.42	<0.43	<0.38
2-Nitroaniline	88-74-4	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
2-Nitrophenol	88-75-5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
3- and 4-Methylphenol	106-44-5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.071J**	<0.44	--	<0.42	<0.43	<0.38
3,3-Dichlorobenzidine	91-94-1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.78	<0.87	<0.88	--	<0.85	<0.86	<0.75
3-Nitroaniline	99-09-2	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
4-Bromophenylphenyl ether	101-55-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
4-Chloro-3-methylphenol	59-50-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
4-Chlorophenylphenyl ether	7005-72-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
4-Nitroaniline	100-01-6	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
4-Nitrophenol	100-02-7	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
Acenaphthene	83-32-9	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.64**	<0.44	--	<0.42	<0.43	<0.38
Acenaphthylene	208-96-8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.069J**	<0.44	--	<0.42	<0.43	<0.38
Anthracene	120-12-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**1.1**	<0.44	--	<0.42	<0.43	<0.38
Benzo (a) anthracene	56-55-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**1.1**	**0.26J**	--	<0.42	<0.43	<0.38
Benzo (a) pyrene	50-32-8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.68**	**1.3**	--	**0.046J**	<0.43	<0.38
Benzo (b) fluoranthene	205-99-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.8**	**1.8**	--	<0.42	<0.43	<0.38
Benzo (g,h,i) perylene	191-24-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.38J**	**0.67**	--	**0.045J**	**0.031J**	<0.38
Benzo (k) fluoranthene	207-08-9	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.77**	**1.2**	--	**0.033J**	<0.43	<0.38
bis (2-Chloroethoxy) methane	111-91-1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
bis (2-Chloroethyl) ether	111-44-4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-02	A1-02	A1-02	A1-02	A1-02	A1-02	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03
	SAMPLE DEPTH (FT BGS):	75-77.5	75-77.5 DUF	82.5-85	32.5-85 DUF	90-92.5	105-107	8.5-11	11-13.5	18-20	22.5-25	32.5-35	47.5-50
	SAMPLE DATE:	9/12/04	9/12/04	9/12/04	9/12/04	9/12/04	9/12/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	**0.099J**	<0.4	<0.4	<0.4	**0.079J**	<0.39	**0.24J**	**0.13J**	--	**0.1J**	<0.43	<0.38
Butylbenzyl phthalate	85-68-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Carbazole	86-74-8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	0.42J	<0.44	--	<0.42	<0.43	<0.38
Chrysene	218-01-9	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**1.4**	**0.66**	--	<0.42	<0.43	<0.38
Dibenzo (a,h) anthracene	53-70-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.2J**	**0.32J**	--	<0.42	<0.43	<0.38
Dibenzofuran	132-64-9	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.62**	<0.44	--	<0.42	<0.43	<0.38
Diethyl phthalate	84-66-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Dimethylphthalate	131-11-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Di-n-butyl phthalate	84-74-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Dinitro-2-methylphenol,	534-52-1	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
Di-n-octyl phthalate	117-84-0	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Fluoranthene	206-44-0	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**2.4**	**0.49**	--	<0.42	<0.43	<0.38
Fluorene	86-73-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.89**	<0.44	--	<0.42	<0.43	<0.38
Hexachlorobenzene	118-74-1	**0.76**	**0.86**	**0.27J**	**0.21J**	**0.058J**	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Hexachlorobutadiene	87-68-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Hexachlorocyclopentadiene	77-47-4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Hexachloroethane	67-72-1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Indeno (1,2,3-cd) pyrene	193-39-5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.34J**	**0.73**	--	**0.058J**	<0.43	<0.38
Isophorone	78-59-1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Naphthalene	91-20-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**0.99**	<0.44	--	<0.42	<0.43	<0.38
Nitrobenzene	98-95-3	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Nitrosodiphenylamine	86-30-6	<0.4	<0.4	**0.94**	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
n-Nitrosodi-n-propylamine	621-64-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
o-Cresol (2-methylphenol)	95-48-7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
p-Chloroaniline	106-47-8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.78	**0.042J**	**0.31J**	--	<0.85	<0.86	<0.75
Pentachlorophenol	87-86-5	<2	<2.1	<2	<2	<2	<2	<2.2	<2.3	--	<2.2	<2.2	<1.9
Phenanthrene	85-01-8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**3.4**	**0.1J**	--	<0.42	<0.43	<0.38
Phenols	108-95-2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	<0.43	<0.44	--	<0.42	<0.43	<0.38
Pyrene	129-00-0	<0.4	<0.4	<0.4	<0.4	<0.4	<0.39	**2.5**	**0.9**	--	<0.42	<0.43	<0.38
Total SVOC's		**1.1**	**1.1**	**9.3**	**7.0**	**0.14**	**0.037**	**29**	**82**	**NA**	**0.28**	**0.031**	**0.59**
Total Organic Carbon by EPA Method 9060													
		<1000	**640B**	**3000**	**1300**	<1000	<1000	**42000**	**49000**	**5400**	**5500**	**920B**	**650B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-04	A1-04	A1-04
	SAMPLE DEPTH (FT BGS):	50-52.5	57.5-60	60-62.5	72.5-75	72.5-75 DUP	75-77.5	82.5-85	92.5-95	102.5-105	7.5-10	7.5-10 DUP	12.5-15
	SAMPLE DATE:	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/25/04	9/25/04	9/25/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<.36	<.38	<.37	<.36	--	<.38	<.4	<.41	<2.3	<2.1	<0.43
1,2,4-Trichlorobenzene	120-82-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**8.1**	**6.2**	**0.41J**
1,2-Dichlorobenzene	95-50-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**0.6J**	**0.37J**	**0.044J**
1,3-Dichlorobenzene	541-73-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
1,4-Dichlorobenzene	106-46-7	--	<0.36	<0.38	<0.37	<0.36	--	**0.028J**	<0.4	<0.41	<2.3	**1.4J**	**0.18J**
2,4,5-Trichlorophenol	95-95-4	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2,4,6-Trichlorophenol	88-06-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2,4-Dichlorophenol	120-83-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2,4-Dimethylphenol	105-67-9	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	0.2J	<0.43
2,4-Dinitrophenol	51-28-5	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
2,4-Dinitrotoluene	121-14-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2,6-Dinitrotoluene	606-20-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2-Chloronaphthalene	91-58-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**0.45J**	**0.32J**	<0.43
2-Chlorophenol	95-57-8	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
2-Methylnaphthalene	91-57-6	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**0.32J**	**0.26J**	**0.044J**
2-Nitroaniline	88-74-4	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
2-Nitrophenol	88-75-5	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
3- and 4-Methylphenol	106-44-5	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	**0.13J**
3,3-Dichlorobenzidine	91-94-1	--	<0.72	<0.75	<0.73	<0.72	--	<0.77	<0.8	<0.82	<4.6	<4.3	<0.86
3-Nitroaniline	99-09-2	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
4-Bromophenylphenyl ether	101-55-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
4-Chloro-3-methylphenol	59-50-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
4-Chlorophenylphenyl ether	7005-72-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
4-Nitroaniline	100-01-6	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
4-Nitrophenol	100-02-7	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
Acenaphthene	83-32-9	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Acenaphthylene	208-96-8	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Anthracene	120-12-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Benzo (a) anthracene	56-55-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	**0.13J**
Benzo (a) pyrene	50-32-8	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Benzo (b) fluoranthene	205-99-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Benzo (g,h,i) perylene	191-24-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	**0.23J**	<0.43
Benzo (k) fluoranthene	207-08-9	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
bis (2-Chloroethoxy) methane	111-91-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
bis (2-Chloroethyl) ether	111-44-4	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-03	A1-04	A1-04	A1-04
	SAMPLE DEPTH (FT BGS):	50-52.5	57.5-60	60-62.5	72.5-75	72.5-75 DUP	75-77.5	82.5-85	92.5-95	102.5-105	7.5-10	7.5-10 DUP	12.5-15
	SAMPLE DATE:	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/10/04	9/25/04	9/25/04	9/25/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.36	**0.11J**	**0.14J**	<0.36	--	**0.12J**	<0.4	<0.41	<2.3	<2.1	<0.43
Butylbenzyl phthalate	85-68-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Carbazole	86-74-8	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Chrysene	218-01-9	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Dibenzo (a,h) anthracene	53-70-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Dibenzofuran	132-64-9	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Diethyl phthalate	84-66-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	**0.12J**
Dimethylphthalate	131-11-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Di-n-butyl phthalate	84-74-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Dinitro-2-methylphenol,	534-52-1	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
Di-n-octyl phthalate	117-84-0	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Fluoranthene	206-44-0	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**1.2J**	**0.99J**	**0.25J**
Fluorene	86-73-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**0.25J**	**0.23J**	<0.43
Hexachlorobenzene	118-74-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**2.5**	**2.5**	<0.43
Hexachlorobutadiene	87-68-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Hexachlorocyclopentadiene	77-47-4	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Hexachloroethane	67-72-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	**0.15J**
Isophorone	78-59-1	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Naphthalene	91-20-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Nitrobenzene	98-95-3	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Nitrosodiphenylamine	86-30-6	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
n-Nitrosodi-n-propylamine	621-64-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
o-Cresol (2-methylphenol)	95-48-7	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
p-Chloroaniline	106-47-8	--	<0.72	<0.75	<0.73	<0.72	--	<0.77	<0.8	<0.82	**19**	**13**	<0.86
Pentachlorophenol	87-86-5	--	<1.8	<1.9	<1.9	<1.9	--	<2	<2	<2.1	<12	<11	<2.2
Phenanthrene	85-01-8	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**1.3J**	**1.1J**	**0.33J**
Phenols	108-95-2	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	<2.3	<2.1	<0.43
Pyrene	129-00-0	--	<0.36	<0.38	<0.37	<0.36	--	<0.38	<0.4	<0.41	**1.3J**	**1.2J**	**0.32J**
Total SVOC's		**NA**	**ND**	**0.11**	**0.14**	**ND**	**NA**	**0.15**	**ND**	**ND**	**35**	**28**	**2.1**
Total Organic Carbon by EPA Method 9060													
		<1000	**520B**	**920B**	**1400**	**1500**	**3600**	**1300**	**2900**	**550B**	**59000**	**34000**	**16000**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04
	SAMPLE DEPTH (FT BGS):	20-22.5	22.5-25	35-37.5	40-42.5	52.5-55	57.5-60	67.5-70	70-72.5	80-82.5	82.5-85	92.5-95	105-107
	SAMPLE DATE:	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
1,2,4-Trichlorobenzene	120-82-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
1,2-Dichlorobenzene	95-50-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
1,3-Dichlorobenzene	541-73-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
1,4-Dichlorobenzene	106-46-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,4,5-Trichlorophenol	95-95-4	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,4,6-Trichlorophenol	88-06-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,4-Dichlorophenol	120-83-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,4-Dimethylphenol	105-67-9	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,4-Dinitrophenol	51-28-5	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
2,4-Dinitrotoluene	121-14-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2,6-Dinitrotoluene	606-20-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2-Chloronaphthalene	91-58-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2-Chlorophenol	95-57-8	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2-Methylnaphthalene	91-57-6	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
2-Nitroaniline	88-74-4	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
2-Nitrophenol	88-75-5	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
3- and 4-Methylphenol	106-44-5	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
3,3-Dichlorobenzidine	91-94-1	<0.85	--	<0.78	<0.82	--	<0.86	<0.85	<0.8	<0.82	--	<0.82	<0.72
3-Nitroaniline	99-09-2	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
4-Bromophenylphenyl ether	101-55-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
4-Chloro-3-methylphenol	59-50-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
4-Chlorophenylphenyl ether	7005-72-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
4-Nitroaniline	100-01-6	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
4-Nitrophenol	100-02-7	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
Acenaphthene	83-32-9	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Acenaphthylene	208-96-8	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Anthracene	120-12-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Benzo (a) anthracene	56-55-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Benzo (a) pyrene	50-32-8	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Benzo (b) fluoranthene	205-99-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Benzo (g,h,i) perylene	191-24-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Benzo (k) fluoranthene	207-08-9	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
bis (2-Chloroethoxy) methane	111-91-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
bis (2-Chloroethyl) ether	111-44-4	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04	A1-04
	SAMPLE DEPTH (FT BGS):	20-22.5	22.5-25	35-37.5	40-42.5	52.5-55	57.5-60	67.5-70	70-72.5	80-82.5	82.5-85	92.5-95	105-107
	SAMPLE DATE:	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04	9/25/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.21	--	<0.41	<0.3	--	<0.23	<0.39	<0.31	<0.28	--	<0.29	<0.29
Butylbenzyl phthalate	85-68-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Carbazole	86-74-8	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Chrysene	218-01-9	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Dibenzo (a,h) anthracene	53-70-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Dibenzofuran	132-64-9	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Diethyl phthalate	84-66-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Dimethylphthalate	131-11-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Di-n-butyl phthalate	84-74-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Dinitro-2-methylphenol,	534-52-1	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
Di-n-octyl phthalate	117-84-0	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Fluoranthene	206-44-0	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Fluorene	86-73-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Hexachlorobenzene	118-74-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Hexachlorobutadiene	87-68-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Hexachlorocyclopentadiene	77-47-4	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Hexachloroethane	67-72-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Indeno (1,2,3-cd) pyrene	193-39-5	**0.038J**	--	<0.39	<0.41	--	**0.024J**	**0.024J**	**0.026J**	<0.41	--	<0.41	<0.36
Isophorone	78-59-1	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Naphthalene	91-20-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Nitrobenzene	98-95-3	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Nitrosodiphenylamine	86-30-6	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
n-Nitrosodi-n-propylamine	621-64-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
o-Cresol (2-methylphenol)	95-48-7	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
p-Chloroaniline	106-47-8	<0.85	--	<0.78	<0.82	--	<0.86	<0.85	<0.8	<0.82	--	<0.82	<0.72
Pentachlorophenol	87-86-5	<2.2	--	<2	<2.1	--	<2.2	<2.2	<2.1	<2.1	--	<2.1	<1.8
Phenanthrene	85-01-8	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Phenols	108-95-2	<0.42	--	<0.39	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Pyrene	129-00-0	<0.42	--	**0.031J**	<0.41	--	<0.43	<0.42	<0.4	<0.41	--	<0.41	<0.36
Total SVOC's		**0.038**	**NA**	**0.031**	**ND**	**NA**	**0.024**	**0.024**	**0.026**	**ND**	**NA**	**ND**	**ND**
Total Organic Carbon by EPA Method 9060													
		1500	**540B**	**1600**	**1100**	**510B**	**1200**	**1300**	**840B**	**410B**	**2500**	**520B**	**1200**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05
	SAMPLE DEPTH (FT BGS):	0-2.5	10-12.5	12.5-15	25-27.5	30-32.5	37.5-40	40-42.5	50-52.5	50-52.5 DUP	65-67.5	72.5-75	77.5-80
	SAMPLE DATE:	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
1,2,4-Trichlorobenzene	120-82-1	<0.43	--	**0.097J**	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
1,2-Dichlorobenzene	95-50-1	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
1,3-Dichlorobenzene	541-73-1	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
1,4-Dichlorobenzene	106-46-7	<0.43	--	<0.43	**0.036J**	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,4,5-Trichlorophenol	95-95-4	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,4,6-Trichlorophenol	88-06-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,4-Dichlorophenol	120-83-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,4-Dimethylphenol	105-67-9	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,4-Dinitrophenol	51-28-5	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
2,4-Dinitrotoluene	121-14-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2,6-Dinitrotoluene	606-20-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2-Chloronaphthalene	91-58-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2-Chlorophenol	95-57-8	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2-Methylnaphthalene	91-57-6	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
2-Nitroaniline	88-74-4	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
2-Nitrophenol	88-75-5	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
3- and 4-Methylphenol	106-44-5	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
3,3-Dichlorobenzidine	91-94-1	<0.87	--	<0.86	<0.87	<0.81	--	<0.81	<1.2	<1	<0.8	--	<0.81
3-Nitroaniline	99-09-2	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
4-Bromophenylphenyl ether	101-55-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
4-Chloro-3-methylphenol	59-50-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
4-Chlorophenylphenyl ether	7005-72-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
4-Nitroaniline	100-01-6	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
4-Nitrophenol	100-02-7	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
Acenaphthene	83-32-9	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Acenaphthylene	208-96-8	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Anthracene	120-12-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Benzo (a) anthracene	56-55-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Benzo (a) pyrene	50-32-8	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	**0.18J**	<0.4	--	<0.41
Benzo (b) fluoranthene	205-99-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Benzo (g,h,i) perylene	191-24-2	**0.064J**	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Benzo (k) fluoranthene	207-08-9	**0.039J**	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
bis (2-Chloroethoxy) methane	111-91-1	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
bis (2-Chloroethyl) ether	111-44-4	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05	A1-05
	SAMPLE DEPTH (FT BGS):	0-2.5	10-12.5	12.5-15	25-27.5	30-32.5	37.5-40	40-42.5	50-52.5	50-52.5 DUP	65-67.5	72.5-75	77.5-80
	SAMPLE DATE:	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04	10/8/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Butylbenzyl phthalate	85-68-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Carbazole	86-74-8	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Chrysene	218-01-9	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Dibenzo (a,h) anthracene	53-70-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Dibenzofuran	132-64-9	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Diethyl phthalate	84-66-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Dimethylphthalate	131-11-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Di-n-butyl phthalate	84-74-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Dinitro-2-methylphenol,	534-52-1	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
Di-n-octyl phthalate	117-84-0	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Fluoranthene	206-44-0	**0.051J**	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Fluorene	86-73-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Hexachlorobenzene	118-74-1	<0.43	--	<0.43	<0.43	**0.049J**	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Hexachlorobutadiene	87-68-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Hexachlorocyclopentadiene	77-47-4	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Hexachloroethane	67-72-1	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Indeno (1,2,3-cd) pyrene	193-39-5	**0.045J**	--	<0.43	<0.43	<0.41	--	**0.022J**	<0.61	<0.52	<0.4	--	<0.41
Isophorone	78-59-1	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Naphthalene	91-20-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Nitrobenzene	98-95-3	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Nitrosodiphenylamine	86-30-6	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
n-Nitrosodi-n-propylamine	621-64-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
o-Cresol (2-methylphenol)	95-48-7	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
p-Chloroaniline	106-47-8	<0.87	--	<0.86	<0.87	<0.81	--	<0.81	<1.2	<1	<0.8	--	<0.81
Pentachlorophenol	87-86-5	<2.2	--	<2.2	<2.2	<2.1	--	<2.1	<3.1	<2.6	<2.1	--	<2.1
Phenanthrene	85-01-8	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Phenols	108-95-2	<0.43	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Pyrene	129-00-0	**0.037J**	--	<0.43	<0.43	<0.41	--	<0.41	<0.61	<0.52	<0.4	--	<0.41
Total SVOC's		**0.24**	**NA**	**0.10**	**0.036**	**0.049**	**NA**	**0.022**	**ND**	**0.18**	**ND**	**NA**	**ND**
Total Organic Carbon by EPA Method 9060													
		4700	**2000**	**1100**	**2000**	**420B**	**1400**	**1100**	**30000**	**20000**	**660B**	**1700**	**2200**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-05	A1-05	A1-05	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06
	SAMPLE DEPTH (FT BGS):	85-87.5	35-87.5 DUF	95-97.5	105-107.5	2.5-5	15-17.5	27.5-30	30-32.5	35-37.5	40-42.5	40-42.5 DUF	67.5-70
	SAMPLE DATE:	10/8/04	10/8/04	10/8/04	10/8/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
1,2,4-Trichlorobenzene	120-82-1	<0.41	<0.41	<0.39	<0.41	<0.37	**9.3J**	<5.2	<4.4	--	<0.39	**0.062J**	**0.049J**
1,2-Dichlorobenzene	95-50-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	**16**	<4.4	--	<0.39	<0.37	**0.036J**
1,3-Dichlorobenzene	541-73-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	**2.6J**	--	<0.39	<0.37	**0.034J**
1,4-Dichlorobenzene	106-46-7	<0.41	<0.41	<0.39	<0.41	<0.37	**29J**	**180J**	**29**	--	**0.26J**	<0.37	**2.6**
2,4,5-Trichlorophenol	95-95-4	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2,4,6-Trichlorophenol	88-06-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2,4-Dichlorophenol	120-83-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2,4-Dimethylphenol	105-67-9	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2,4-Dinitrophenol	51-28-5	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
2,4-Dinitrotoluene	121-14-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2,6-Dinitrotoluene	606-20-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2-Chloronaphthalene	91-58-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2-Chlorophenol	95-57-8	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2-Methylnaphthalene	91-57-6	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
2-Nitroaniline	88-74-4	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
2-Nitrophenol	88-75-5	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
3- and 4-Methylphenol	106-44-5	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
3,3-Dichlorobenzidine	91-94-1	<0.82	<0.81	<0.78	<0.81	<0.74	<96	<10	<8.8	--	<0.78	<0.73	<0.75
3-Nitroaniline	99-09-2	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
4-Bromophenylphenyl ether	101-55-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
4-Chloro-3-methylphenol	59-50-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
4-Chlorophenylphenyl ether	7005-72-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
4-Nitroaniline	100-01-6	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
4-Nitrophenol	100-02-7	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
Acenaphthene	83-32-9	<0.41	<0.41	<0.39	<0.41	**0.047J**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Acenaphthylene	208-96-8	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Anthracene	120-12-7	<0.41	<0.41	<0.39	<0.41	**0.2J**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Benzo (a) anthracene	56-55-3	<0.41	<0.41	<0.39	<0.41	**0.51**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Benzo (a) pyrene	50-32-8	<0.41	<0.41	<0.39	<0.41	**0.45**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Benzo (b) fluoranthene	205-99-2	<0.41	<0.41	<0.39	<0.41	**0.5**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Benzo (g,h,i) perylene	191-24-2	<0.41	<0.41	<0.39	<0.41	**0.31JB**	<48	**0.45J**	**0.38J**	--	<0.39	**0.03J**	<0.38
Benzo (k) fluoranthene	207-08-9	<0.41	<0.41	<0.39	<0.41	**0.41**	<48	<5.2	<4.4	--	<0.39	<0.027	<0.38
bis (2-Chloroethoxy) methane	111-91-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
bis (2-Chloroethyl) ether	111-44-4	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-05	A1-05	A1-05	A1-05	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06
	SAMPLE DEPTH (FT BGS):	85-87.5	35-87.5 DUF	95-97.5	105-107.5	2.5-5	15-17.5	27.5-30	30-32.5	35-37.5	40-42.5	40-42.5 DUF	67.5-70
	SAMPLE DATE:	10/8/04	10/8/04	10/8/04	10/8/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.41	**0.066J**	<0.39	<0.41	**0.17J**	**34J**	<5.2	<4.4	--	<0.39	**0.061J**	<0.38
Butylbenzyl phthalate	85-68-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Carbazole	86-74-8	<0.41	<0.41	<0.39	<0.41	**0.056J**	<48	**0.73J**	**1.2J**	--	**0.052J**	**0.059J**	<0.38
Chrysene	218-01-9	<0.41	<0.41	<0.39	<0.41	0.6	<48	<5.2	**0.52J**	--	<0.39	<0.37	<0.38
Dibenzo (a,h) anthracene	53-70-3	<0.41	<0.41	<0.39	<0.41	**0.12J**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Dibenzofuran	132-64-9	<0.41	<0.41	<0.39	<0.41	**0.042J**	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Diethyl phthalate	84-66-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Dimethylphthalate	131-11-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Di-n-butyl phthalate	84-74-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Dinitro-2-methylphenol,	534-52-1	<2.1	<2.1	<2	<2.1	<1.9	<250	<26	<23	--	<2	<1.9	<1.9
Di-n-octyl phthalate	117-84-0	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Fluoranthene	206-44-0	<0.41	<0.41	<0.39	<0.41	**1.2**	**4.9J**	<5.2	**0.41J**	--	<0.39	**0.047J**	<0.38
Fluorene	86-73-7	<0.41	<0.41	<0.39	<0.41	**0.09J**	<48	<5.2	**5.6**	--	**0.053J**	**0.079J**	**0.062J**
Hexachlorobenzene	118-74-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	**29**	**27**	--	<0.39	<0.37	<0.38
Hexachlorobutadiene	87-68-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Hexachlorocyclopentadiene	77-47-4	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Hexachloroethane	67-72-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Indeno (1,2,3-cd) pyrene	193-39-5	<0.41	<0.41	<0.39	<0.41	**0.28J**	<48	<5.2	**0.31J**	--	<0.39	**0.028J**	<0.38
Isophorone	78-59-1	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Naphthalene	91-20-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	**2.9J**	**1.9J**	--	<0.39	<0.37	<0.38
Nitrobenzene	98-95-3	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Nitrosodiphenylamine	86-30-6	<0.41	<0.41	<0.39	<0.41	<0.37	<48	**0.62J**	**0.6J**	--	<0.39	<0.37	<0.38
n-Nitrosodi-n-propylamine	621-64-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
o-Cresol (2-methylphenol)	95-48-7	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
p-Chloroaniline	106-47-8	<0.82	<0.81	<0.78	<0.81	<0.74	**390**	**2.4J**	**1.6J**	--	**1.2**	**1.4**	<0.75
Pentachlorophenol	87-86-5	<2.1	<2.1	<2	<2.1	<1.9	<250	**3.4J**	<23	--	<2	<1.9	<1.9
Phenanthrene	85-01-8	<0.41	<0.41	<0.39	<0.41	**0.77**	**5.8J**	**0.66J**	**0.65J**	--	<0.39	**0.068J**	<0.38
Phenols	108-95-2	<0.41	<0.41	<0.39	<0.41	<0.37	<48	<5.2	<4.4	--	<0.39	<0.37	<0.38
Pyrene	129-00-0	<0.41	<0.41	<0.39	<0.41	**0.98**	**3.5J**	<5.2	**0.39J**	--	<0.39	**0.044J**	<0.38
Total SVOC's		**ND**	**0.066**	**ND**	**ND**	**6.1**	**480**	**240**	**72**	**NA**	**1.6**	**1.9**	**2.8**
Total Organic Carbon by EPA Method 9060													
		1100	**1500**	**780B**	**480B**	**12000**	**62000**	**5000**	**7500**	**480B**	**750B**	**700B**	**2900**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-07	A1-07	A1-07	A1-07	A1-07
	SAMPLE DEPTH (FT BGS):	70-72.5	75-77.5	85-87.5	97.5-100	7.5-100 DU	100-102.5	105-107.5	0-2.5	10-12.5	12.5-15	20-22.5	35-37.5
	SAMPLE DATE:	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
1,2,4-Trichlorobenzene	120-82-1	**0.24J**	--	**0.13J**	<0.41	<0.41	--	**0.054J**	<3.7	<0.47	--	<0.44	<0.38
1,2-Dichlorobenzene	95-50-1	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
1,3-Dichlorobenzene	541-73-1	**0.091J**	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
1,4-Dichlorobenzene	106-46-7	**1.5**	--	**0.39**	**0.1J**	**0.11J**	--	**1.1**	<3.7	<0.47	--	**1.8**	<0.38
2,4,5-Trichlorophenol	95-95-4	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
2,4,6-Trichlorophenol	88-06-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
2,4-Dichlorophenol	120-83-2	<0.39	--	<0.38	<0.41	<0.41	--	**0.045J**	<3.7	<0.47	--	<0.44	<0.38
2,4-Dimethylphenol	105-67-9	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.045J**	--	<0.44	<0.38
2,4-Dinitrophenol	51-28-5	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
2,4-Dinitrotoluene	121-14-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
2,6-Dinitrotoluene	606-20-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
2-Chloronaphthalene	91-58-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
2-Chlorophenol	95-57-8	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.11J**	--	<0.44	<0.38
2-Methylnaphthalene	91-57-6	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.049J**	--	<0.44	<0.38
2-Nitroaniline	88-74-4	<2	--	<2	<2.1	<2.1	--	<1.9	<19	**0.039J**	--	<2.3	<2
2-Nitrophenol	88-75-5	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
3- and 4-Methylphenol	106-44-5	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
3,3-Dichlorobenzidine	91-94-1	<0.78	--	<0.76	<0.81	<0.81	--	<0.74	<7.4	<0.94	--	<0.89	<0.77
3-Nitroaniline	99-09-2	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
4-Bromophenylphenyl ether	101-55-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
4-Chloro-3-methylphenol	59-50-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
4-Chlorophenylphenyl ether	7005-72-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.048J**	--	<0.44	<0.38
4-Nitroaniline	100-01-6	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
4-Nitrophenol	100-02-7	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
Acenaphthene	83-32-9	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.061J**	--	<0.44	<0.38
Acenaphthylene	208-96-8	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**0.43J**	**0.046J**	--	<0.44	<0.38
Anthracene	120-12-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.096J**	--	<0.44	<0.38
Benzo (a) anthracene	56-55-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**0.82J**	**0.1J**	--	<0.44	<0.38
Benzo (a) pyrene	50-32-8	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.4J**	**0.076J**	--	<0.44	<0.38
Benzo (b) fluoranthene	205-99-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.3J**	**0.072J**	--	<0.44	<0.38
Benzo (g,h,i) perylene	191-24-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.8J**	**0.066J**	--	<0.44	<0.38
Benzo (k) fluoranthene	207-08-9	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.1J**	**0.072J**	--	<0.44	<0.38
bis (2-Chloroethoxy) methane	111-91-1	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
bis (2-Chloroethyl) ether	111-44-4	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-06	A1-07	A1-07	A1-07	A1-07	A1-07
	SAMPLE DEPTH (FT BGS):	70-72.5	75-77.5	85-87.5	97.5-100	7.5-100 DU	100-102.5	105-107.5	0-2.5	10-12.5	12.5-15	20-22.5	35-37.5
	SAMPLE DATE:	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	10/6/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.14J**	--	<0.44	**0.072J**
Butylbenzyl phthalate	85-68-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.13J**	--	<0.44	<0.38
Carbazole	86-74-8	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.062J**	--	<0.44	<0.38
Chrysene	218-01-9	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1J**	**0.1J**	--	<0.44	<0.38
Dibenzo (a,h) anthracene	53-70-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**0.71J**	**0.057J**	--	<0.44	<0.38
Dibenzofuran	132-64-9	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.066J**	--	<0.44	<0.38
Diethyl phthalate	84-66-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.056J**	--	<0.44	<0.38
Dimethylphthalate	131-11-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.052J**	--	<0.44	<0.38
Di-n-butyl phthalate	84-74-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.2J**	--	<0.44	<0.38
Dinitro-2-methylphenol,	534-52-1	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
Di-n-octyl phthalate	117-84-0	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.049J**	--	<0.44	<0.38
Fluoranthene	206-44-0	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.4J**	**0.16J**	--	<0.44	<0.38
Fluorene	86-73-7	**0.046J**	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.082J**	--	<0.44	<0.38
Hexachlorobenzene	118-74-1	**0.095J**	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Hexachlorobutadiene	87-68-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Hexachlorocyclopentadiene	77-47-4	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Hexachloroethane	67-72-1	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.03J**	--	<0.44	<0.38
Indeno (1,2,3-cd) pyrene	193-39-5	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.6J**	**0.069J**	--	<0.44	<0.38
Isophorone	78-59-1	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Naphthalene	91-20-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.1J**	--	<0.44	<0.38
Nitrobenzene	98-95-3	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Nitrosodiphenylamine	86-30-6	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.045J**	--	<0.44	<0.38
n-Nitrosodi-n-propylamine	621-64-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	**0.25J**	--	<0.44	<0.38
o-Cresol (2-methylphenol)	95-48-7	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
p-Chloroaniline	106-47-8	**0.073J**	--	<0.76	<0.81	<0.81	--	<0.74	<7.4	<0.94	--	**1.4**	<0.77
Pentachlorophenol	87-86-5	<2	--	<2	<2.1	<2.1	--	<1.9	<19	<2.4	--	<2.3	<2
Phenanthrene	85-01-8	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.1J**	**0.2J**	--	<0.44	<0.38
Phenols	108-95-2	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	<3.7	<0.47	--	<0.44	<0.38
Pyrene	129-00-0	<0.39	--	<0.38	<0.41	<0.41	--	<0.37	**1.2J**	**0.13J**	--	**0.023J**	<0.38
Total SVOC's		**2.0**	**NA**	**0.52**	**0.10**	**0.11**	**NA**	**1.2**	**14**	**2.9**	**NA**	**3.2**	**0.07**
Total Organic Carbon by EPA Method 9060													
		3700	**3200**	**610B**	**<1000**	**440B**	**410B**	**790B**	**20000**	**7900**	**7600**	**9100**	**570B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-08
	SAMPLE DEPTH (FT BGS):	35-37.5 DUP	47.5-50	50-52.5	52.5-55	62.5-65	67.5-70	75-77.5	87.5-90	97.5-100	100-102.5	110-111	2.5-5
	SAMPLE DATE:	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/22/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
1,2,4-Trichlorobenzene	120-82-1	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
1,2-Dichlorobenzene	95-50-1	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
1,3-Dichlorobenzene	541-73-1	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
1,4-Dichlorobenzene	106-46-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,4,5-Trichlorophenol	95-95-4	<0.4	<0.44	--	<0.41	--	**0.058J**	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,4,6-Trichlorophenol	88-06-2	<0.4	<0.44	--	<0.41	--	**0.057J**	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,4-Dichlorophenol	120-83-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,4-Dimethylphenol	105-67-9	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,4-Dinitrophenol	51-28-5	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
2,4-Dinitrotoluene	121-14-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2,6-Dinitrotoluene	606-20-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2-Chloronaphthalene	91-58-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2-Chlorophenol	95-57-8	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2-Methylnaphthalene	91-57-6	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
2-Nitroaniline	88-74-4	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
2-Nitrophenol	88-75-5	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
3- and 4-Methylphenol	106-44-5	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
3,3-Dichlorobenzidine	91-94-1	<0.8	<0.88	--	<0.82	--	<1	<0.74	<0.82	<0.78	<0.74	<0.71	--
3-Nitroaniline	99-09-2	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
4-Bromophenylphenyl ether	101-55-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
4-Chloro-3-methylphenol	59-50-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
4-Chlorophenylphenyl ether	7005-72-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
4-Nitroaniline	100-01-6	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
4-Nitrophenol	100-02-7	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
Acenaphthene	83-32-9	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Acenaphthylene	208-96-8	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Anthracene	120-12-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Benzo (a) anthracene	56-55-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Benzo (a) pyrene	50-32-8	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Benzo (b) fluoranthene	205-99-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Benzo (g,h,i) perylene	191-24-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Benzo (k) fluoranthene	207-08-9	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
bis (2-Chloroethoxy) methane	111-91-1	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
bis (2-Chloroethyl) ether	111-44-4	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-07	A1-08
	SAMPLE DEPTH (FT BGS):	35-37.5 DUP	47.5-50	50-52.5	52.5-55	62.5-65	67.5-70	75-77.5	87.5-90	97.5-100	100-102.5	110-111	2.5-5
	SAMPLE DATE:	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/27/04	9/22/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Butylbenzyl phthalate	85-68-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Carbazole	86-74-8	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Chrysene	218-01-9	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Dibenzo (a,h) anthracene	53-70-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Dibenzofuran	132-64-9	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Diethyl phthalate	84-66-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Dimethylphthalate	131-11-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Di-n-butyl phthalate	84-74-2	**0.32J**	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Dinitro-2-methylphenol,	534-52-1	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
Di-n-octyl phthalate	117-84-0	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Fluoranthene	206-44-0	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Fluorene	86-73-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Hexachlorobenzene	118-74-1	<0.4	<0.44	--	<0.41	--	**0.077J**	<0.37	<0.41	<0.39	<0.37	<0.35	--
Hexachlorobutadiene	87-68-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Hexachlorocyclopentadiene	77-47-4	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Hexachloroethane	67-72-1	<0.4	<0.44	--	<0.41	--	**0.036J**	<0.37	<0.41	<0.39	<0.37	<0.35	--
Indeno (1,2,3-cd) pyrene	193-39-5	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Isophorone	78-59-1	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Naphthalene	91-20-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	**0.76**	**0.37J**	**0.17J**	<0.35	--
Nitrobenzene	98-95-3	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Nitrosodiphenylamine	86-30-6	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
n-Nitrosodi-n-propylamine	621-64-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
o-Cresol (2-methylphenol)	95-48-7	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
p-Chloroaniline	106-47-8	<0.8	<0.88	--	<0.82	--	<1	<0.74	<0.82	<0.78	<0.74	<0.71	--
Pentachlorophenol	87-86-5	<2	<2.3	--	<2.1	--	<2.7	<1.9	<2.1	<2	<1.9	<1.8	--
Phenanthrene	85-01-8	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Phenols	108-95-2	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Pyrene	129-00-0	<0.4	<0.44	--	<0.41	--	<0.52	<0.37	<0.41	<0.39	<0.37	<0.35	--
Total SVOC's		**0.32**	**ND**	**NA**	**ND**	**NA**	**0.23**	**ND**	**0.76**	**0.37**	**0.17**	**ND**	**NA**
Total Organic Carbon by EPA Method 9060													
		690B	**2300**	**760B**	**450B**	**620B**	**1400**	<1000	**2400**	<1000	**1400**	**1100**	**32000**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08
	SAMPLE DEPTH (FT BGS):	5-7.5	10-12.5	22.5-25	30-32.5	47.5-50	47.5-50 DUP	57.5-60	60-62.5	70-72.5	80-82.5	82.5-85	90-92.5
	SAMPLE DATE:	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
1,2,4-Trichlorobenzene	120-82-1	**16**	**120**	**23000**	**7.5**	**9.3**	**16**	**6**	**0.75J**	**36**	--	**24**	**1.2J**
1,2-Dichlorobenzene	95-50-1	**7.7**	**13**	**760J**	**0.3J**	<2.4	**19**	**0.61J**	**0.35J**	**42**	--	**9.9**	<2.3
1,3-Dichlorobenzene	541-73-1	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**7.7**	--	<2.4	<2.3
1,4-Dichlorobenzene	106-46-7	**8.8**	**54**	**1400**	**3.8**	**73**	**230**	**14**	**9.4**	**670**	--	**240**	**4.9**
2,4,5-Trichlorophenol	95-95-4	<2.3	**0.32J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
2,4,6-Trichlorophenol	88-06-2	<2.3	**3.7**	**290**	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
2,4-Dichlorophenol	120-83-2	**3.9**	**1.9J**	**300**	<2.4	<2.4	**0.23J**	<2.5	<2.5	**0.54J**	--	**0.74J**	<2.3
2,4-Dimethylphenol	105-67-9	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.21J**	--	<2.4	<2.3
2,4-Dinitrophenol	51-28-5	<12	<13	<160	<12	<12	<12	<13	<13	**17**	--	<12	<12
2,4-Dinitrotoluene	121-14-2	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**4.1**	--	<2.4	<2.3
2,6-Dinitrotoluene	606-20-2	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**5.2**	--	<2.4	<2.3
2-Chloronaphthalene	91-58-7	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
2-Chlorophenol	95-57-8	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
2-Methylnaphthalene	91-57-6	<2.3	**2.4J**	<32	**0.37J**	**0.42J**	**0.56J**	<2.5	<2.5	<2.3	--	<2.4	<2.3
2-Nitroaniline	88-74-4	<12	<13	<160	<12	<12	<12	<13	<13	<12	--	<12	<12
2-Nitrophenol	88-75-5	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
3- and 4-Methylphenol	106-44-5	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
3,3-Dichlorobenzidine	91-94-1	<4.6	<5.2	<64	<4.9	<4.8	<4.8	<5	<5	**0.2J**	--	<4.8	<4.6
3-Nitroaniline	99-09-2	<12	<13	<160	<12	<12	<12	<13	<13	<12	--	<12	<12
4-Bromophenylphenyl ether	101-55-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.22J**	--	<2.4	<2.3
4-Chloro-3-methylphenol	59-50-7	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**28**	--	<2.4	<2.3
4-Chlorophenylphenyl ether	7005-72-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
4-Nitroaniline	100-01-6	<12	<13	<160	<12	<12	<12	<13	<13	**0.19J**	--	<12	<12
4-Nitrophenol	100-02-7	<12	<13	<160	<12	<12	<12	<13	<13	**0.4J**	--	<12	<12
Acenaphthene	83-32-9	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.26J**	--	<2.4	<2.3
Acenaphthylene	208-96-8	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Anthracene	120-12-7	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Benzo (a) anthracene	56-55-3	<2.3	**0.56J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.29J**	--	<2.4	<2.3
Benzo (a) pyrene	50-32-8	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.24J**	--	<2.4	<2.3
Benzo (b) fluoranthene	205-99-2	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Benzo (g,h,i) perylene	191-24-2	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Benzo (k) fluoranthene	207-08-9	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.24J**	--	<2.4	<2.3
bis (2-Chloroethoxy) methane	111-91-1	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
bis (2-Chloroethyl) ether	111-44-4	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08	A1-08
	SAMPLE DEPTH (FT BGS):	5-7.5	10-12.5	22.5-25	30-32.5	47.5-50	47.5-50 DUP	57.5-60	60-62.5	70-72.5	80-82.5	82.5-85	90-92.5
	SAMPLE DATE:	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04	9/22/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	**25**	**10**	<7.9	<0.77	<1.1	<1.2	<1.3	<0.71	**5B**	--	**2.3J**	**0.86JB**
Butylbenzyl phthalate	85-68-7	**9.2**	**7**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.22J**	--	<2.4	<2.3
Carbazole	86-74-8	<2.3	<2.6	<32	<2.4	**0.46J**	**0.43J**	<2.5	**0.3J**	**1.3J**	--	**0.57J**	<2.3
Chrysene	218-01-9	<2.3	**0.89J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.48J**	--	<2.4	<2.3
Dibenzo (a,h) anthracene	53-70-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Dibenzofuran	132-64-9	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Diethyl phthalate	84-66-2	<2.3	**0.33J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Dimethylphthalate	131-11-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**1.6J**	--	<2.4	<2.3
Di-n-butyl phthalate	84-74-2	**4.4**	**1.1J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.76J**	--	**0.32J**	<2.3
Dinitro-2-methylphenol,	534-52-1	<12	<13	<160	<12	<12	<12	<13	<13	**0.36J**	--	<12	<12
Di-n-octyl phthalate	117-84-0	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Fluoranthene	206-44-0	**0.48J**	**0.6J**	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.34J**	--	<2.4	<2.3
Fluorene	86-73-7	<2.3	<2.6	<32	<2.4	1.5J	**1.7J**	<2.5	<2.5	**0.59J**	--	<2.4	<2.3
Hexachlorobenzene	118-74-1	<2.3	**6.2**	**2200**	**54**	**120**	**140**	**32**	**37**	**190**	--	**85**	**14**
Hexachlorobutadiene	87-68-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Hexachlorocyclopentadiene	77-47-4	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Hexachloroethane	67-72-1	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Indeno (1,2,3-cd) pyrene	193-39-5	**0.29J**	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.14J**	--	<2.4	<2.3
Isophorone	78-59-1	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	**0.21J**	--	<2.4	<2.3
Naphthalene	91-20-3	**10**	**3.9**	<32	<2.4	**1.7J**	**3**	<2.5	<2.5	**1J**	--	<2.4	<2.3
Nitrobenzene	98-95-3	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Nitrosodiphenylamine	86-30-6	<2.3	<2.6	<32	**0.71J**	**18**	<2.4	**0.32J**	**0.54J**	**3.5**	--	**1.3J**	<2.3
n-Nitrosodi-n-propylamine	621-64-7	<2.3	<2.6	<32	**1.3J**	<2.4	<2.4	<2.5	<2.5	**0.21J**	--	<2.4	<2.3
o-Cresol (2-methylphenol)	95-48-7	<2.3	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
p-Chloroaniline	106-47-8	**49**	**11**	**66**	**1.2J**	<4.8	<4.8	<5	<5	**0.29J**	--	<4.8	<4.6
Pentachlorophenol	87-86-5	**2.4J**	**280**	**57J**	**4.8J**	**0.81J**	<12	<13	<13	**0.45J**	--	<12	<12
Phenanthrene	85-01-8	<2.3	**1.7J**	**7.1J**	**0.39J**	**0.4J**	**0.49J**	<2.5	<2.5	**1.2J**	--	**0.52J**	<2.3
Phenols	108-95-2	**130**	<2.6	<32	<2.4	<2.4	<2.4	<2.5	<2.5	<2.3	--	<2.4	<2.3
Pyrene	129-00-0	**0.52J**	**0.76J**	<32	<2.4	<2.4	**0.18J**	<2.5	<2.5	**0.55J**	--	**0.21J**	<2.3
Total SVOC's		**270**	**510**	**28000**	**75**	**230**	**410**	**53**	**49**	**1000**	**NA**	**370**	**21**
Total Organic Carbon by EPA Method 9060													
		35000	**13000**	**54000**	**1400**	**3000**	**3300**	**1700**	**1900**	**7600**	**920B**	**3300**	**480B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-08	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09
	SAMPLE DEPTH (FT BGS):	102.5-105	5-7.5	12.5-15	17.5-20	25-27.5	25-27.5 DUP	32.5-35	35-37.5	42.5-45	57.5-60	65-67.5	65-67.5 DUP
	SAMPLE DATE:	9/22/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
1,2,4-Trichlorobenzene	120-82-1	<2.1	<0.38	--	<0.44	**9.2**	**13**	**0.083J**	--	<0.36	<0.41	--	<0.4
1,2-Dichlorobenzene	95-50-1	<2.1	<0.38	--	<0.44	**0.48**	**0.63**	<0.42	--	<0.36	<0.41	--	<0.4
1,3-Dichlorobenzene	541-73-1	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
1,4-Dichlorobenzene	106-46-7	**0.2J**	<0.38	--	<0.44	**0.53**	**0.58**	**0.2J**	--	<0.36	<0.41	--	**0.033J**
2,4,5-Trichlorophenol	95-95-4	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2,4,6-Trichlorophenol	88-06-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2,4-Dichlorophenol	120-83-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2,4-Dimethylphenol	105-67-9	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2,4-Dinitrophenol	51-28-5	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
2,4-Dinitrotoluene	121-14-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2,6-Dinitrotoluene	606-20-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2-Chloronaphthalene	91-58-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2-Chlorophenol	95-57-8	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2-Methylnaphthalene	91-57-6	<2.1	**0.11J**	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
2-Nitroaniline	88-74-4	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
2-Nitrophenol	88-75-5	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
3- and 4-Methylphenol	106-44-5	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
3,3-Dichlorobenzidine	91-94-1	<4.2	<0.76	--	<0.89	<0.85	<0.86	<0.85	--	<0.72	<0.82	--	<0.8
3-Nitroaniline	99-09-2	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
4-Bromophenylphenyl ether	101-55-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
4-Chloro-3-methylphenol	59-50-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
4-Chlorophenylphenyl ether	7005-72-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
4-Nitroaniline	100-01-6	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
4-Nitrophenol	100-02-7	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
Acenaphthene	83-32-9	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Acenaphthylene	208-96-8	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Anthracene	120-12-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Benzo (a) anthracene	56-55-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Benzo (a) pyrene	50-32-8	<2.1	<0.38	--	<0.44	<0.42	**0.053J**	<0.42	--	<0.36	<0.41	--	<0.4
Benzo (b) fluoranthene	205-99-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Benzo (g,h,i) perylene	191-24-2	<2.1	<0.38	--	<0.44	<0.42	**0.044J**	<0.42	--	<0.36	<0.41	--	<0.4
Benzo (k) fluoranthene	207-08-9	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
bis (2-Chloroethoxy) methane	111-91-1	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
bis (2-Chloroethyl) ether	111-44-4	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-08	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09	A1-09
	SAMPLE DEPTH (FT BGS):	102.5-105	5-7.5	12.5-15	17.5-20	25-27.5	25-27.5 DUP	32.5-35	35-37.5	42.5-45	57.5-60	65-67.5	65-67.5 DUP
	SAMPLE DATE:	9/22/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	**1.2J**	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	**0.14J**	**0.088J**	--	**0.46**
Butylbenzyl phthalate	85-68-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Carbazole	86-74-8	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Chrysene	218-01-9	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Dibenzo (a,h) anthracene	53-70-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Dibenzofuran	132-64-9	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Diethyl phthalate	84-66-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Dimethylphthalate	131-11-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Di-n-butyl phthalate	84-74-2	<2.1	<0.38	--	<0.44	**0.5**	**0.42J**	<0.42	--	<0.36	<0.41	--	<0.4
Dinitro-2-methylphenol,	534-52-1	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
Di-n-octyl phthalate	117-84-0	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Fluoranthene	206-44-0	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Fluorene	86-73-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Hexachlorobenzene	118-74-1	**27**	<0.38	--	<0.44	**1.1**	**1.1**	<0.42	--	<0.36	<0.41	--	<0.4
Hexachlorobutadiene	87-68-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Hexachlorocyclopentadiene	77-47-4	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Hexachloroethane	67-72-1	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Indeno (1,2,3-cd) pyrene	193-39-5	<2.1	<0.38	--	<0.44	<0.42	**0.047J**	<0.42	--	<0.36	<0.41	--	<0.4
Isophorone	78-59-1	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Naphthalene	91-20-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Nitrobenzene	98-95-3	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Nitrosodiphenylamine	86-30-6	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
n-Nitrosodi-n-propylamine	621-64-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
o-Cresol (2-methylphenol)	95-48-7	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
p-Chloroaniline	106-47-8	<4.2	<0.76	--	<0.89	<0.85	<0.86	<0.85	--	<0.72	<0.82	--	<0.8
Pentachlorophenol	87-86-5	<11	<2	--	<2.3	<2.2	<2.2	<2.2	--	<1.9	<2.1	--	<2.1
Phenanthrene	85-01-8	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Phenols	108-95-2	<2.1	<0.38	--	<0.44	<0.42	<0.43	<0.42	--	<0.36	<0.41	--	<0.4
Pyrene	129-00-0	**0.11J**	<0.38	--	<0.44	<0.42	**0.049J**	<0.42	--	<0.36	<0.41	--	<0.4
Total SVOC's		**29**	**0.11**	**NA**	**ND**	**12**	**16**	**0.28**	**NA**	**0.14**	**0.088**	**NA**	**0.49**
Total Organic Carbon by EPA Method 9060													
		740B	**13000**	**5600**	**15000**	**1000**	**1700**	**670B**	**630B**	**1700**	**660B**	**440B**	**610B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-09	A1-09	A1-09	A1-09	A1-09	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10
	SAMPLE DEPTH (FT BGS):	72.5-75	77.5-80	82.5-85	92.5-95	105-107.5	5-7.5	20-22.5	20-22.5 DUP	25-27.5	35-37.5	40-42.5	40-42.5 DUP
	SAMPLE DATE:	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
1,2,4-Trichlorobenzene	120-82-1	--	<0.4	<0.41	<0.37	**0.11J**	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
1,2-Dichlorobenzene	95-50-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
1,3-Dichlorobenzene	541-73-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
1,4-Dichlorobenzene	106-46-7	--	**0.097J**	**0.049J**	**0.88**	**2.8**	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,4,5-Trichlorophenol	95-95-4	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,4,6-Trichlorophenol	88-06-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,4-Dichlorophenol	120-83-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,4-Dimethylphenol	105-67-9	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,4-Dinitrophenol	51-28-5	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
2,4-Dinitrotoluene	121-14-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2,6-Dinitrotoluene	606-20-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2-Chloronaphthalene	91-58-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2-Chlorophenol	95-57-8	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
2-Methylnaphthalene	91-57-6	--	<0.4	<0.41	<0.37	<0.4	**0.052J**	<0.44	<0.44	--	<0.41	<0.39	<0.39
2-Nitroaniline	88-74-4	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
2-Nitrophenol	88-75-5	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
3- and 4-Methylphenol	106-44-5	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
3,3-Dichlorobenzidine	91-94-1	--	<0.8	<0.81	<0.73	<0.8	<0.84	<0.88	<0.88	--	<0.82	<0.78	<0.78
3-Nitroaniline	99-09-2	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
4-Bromophenylphenyl ether	101-55-3	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
4-Chloro-3-methylphenol	59-50-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
4-Chlorophenylphenyl ether	7005-72-3	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
4-Nitroaniline	100-01-6	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
4-Nitrophenol	100-02-7	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
Acenaphthene	83-32-9	--	<0.4	<0.41	<0.37	<0.4	**1.1**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Acenaphthylene	208-96-8	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Anthracene	120-12-7	--	<0.4	<0.41	<0.37	<0.4	**1.8**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Benzo (a) anthracene	56-55-3	--	<0.4	<0.41	<0.37	<0.4	**2.3**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Benzo (a) pyrene	50-32-8	--	<0.4	<0.41	<0.37	<0.4	**2.1**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Benzo (b) fluoranthene	205-99-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	**0.045J**
Benzo (g,h,i) perylene	191-24-2	--	<0.4	<0.41	<0.37	<0.4	**0.96**	**0.047J**	**0.037J**	--	**0.035J**	**0.033J**	**0.028J**
Benzo (k) fluoranthene	207-08-9	--	<0.4	<0.41	<0.37	<0.4	**2.9**	**0.046J**	**0.029J**	--	**0.026J**	**0.033J**	**0.025J**
bis (2-Chloroethoxy) methane	111-91-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
bis (2-Chloroethyl) ether	111-44-4	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-09	A1-09	A1-09	A1-09	A1-09	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10
	SAMPLE DEPTH (FT BGS):	72.5-75	77.5-80	82.5-85	92.5-95	105-107.5	5-7.5	20-22.5	20-22.5 DUP	25-27.5	35-37.5	40-42.5	40-42.5 DUP
	SAMPLE DATE:	9/29/04	9/29/04	9/29/04	9/29/04	9/29/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.4	**0.092J**	**0.25J**	**0.3J**	<0.17	<0.17	<0.26	--	<0.33	<0.21	<0.2
Butylbenzyl phthalate	85-68-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Carbazole	86-74-8	--	<0.4	<0.41	<0.37	<0.4	**0.96**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Chrysene	218-01-9	--	<0.4	<0.41	<0.37	<0.4	**2.6**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Dibenzo (a,h) anthracene	53-70-3	--	<0.4	<0.41	<0.37	<0.4	**0.36J**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Dibenzofuran	132-64-9	--	<0.4	<0.41	<0.37	<0.4	**0.46**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Diethyl phthalate	84-66-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Dimethylphthalate	131-11-3	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Di-n-butyl phthalate	84-74-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	**0.082J**	**0.099J**	**0.11J**
Dinitro-2-methylphenol,	534-52-1	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
Di-n-octyl phthalate	117-84-0	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Fluoranthene	206-44-0	--	<0.4	<0.41	<0.37	<0.4	**7.6**	<0.44	<0.44	--	<0.41	<0.39	**0.042J**
Fluorene	86-73-7	--	<0.4	<0.41	<0.37	<0.4	**0.97**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Hexachlorobenzene	118-74-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Hexachlorobutadiene	87-68-3	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Hexachlorocyclopentadiene	77-47-4	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Hexachloroethane	67-72-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.4	<0.41	<0.37	<0.4	**0.96**	**0.043J**	**0.033J**	--	**0.032J**	**0.027J**	**0.025J**
Isophorone	78-59-1	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Naphthalene	91-20-3	--	<0.4	<0.41	<0.37	<0.4	**0.086J**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Nitrobenzene	98-95-3	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Nitrosodiphenylamine	86-30-6	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
n-Nitrosodi-n-propylamine	621-64-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
o-Cresol (2-methylphenol)	95-48-7	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
p-Chloroaniline	106-47-8	--	<0.8	<0.81	<0.73	<0.8	<0.84	<0.88	<0.88	--	<0.82	<0.78	<0.78
Pentachlorophenol	87-86-5	--	<2.1	<2.1	<1.9	<2	<2.2	<2.3	<2.3	--	<2.1	<2	<2
Phenanthrene	85-01-8	--	<0.4	<0.41	<0.37	<0.4	**7.4**	<0.44	<0.44	--	<0.41	<0.39	<0.39
Phenols	108-95-2	--	<0.4	<0.41	<0.37	<0.4	<0.42	<0.44	<0.44	--	<0.41	<0.39	<0.39
Pyrene	129-00-0	--	<0.4	<0.41	<0.37	<0.4	**6.3**	<0.44	<0.44	--	<0.41	**0.023J**	**0.038J**
Total SVOC's		**NA**	**0.097**	**0.14**	**1.1**	**3.2**	**39**	**0.14**	**0.10**	**NA**	**0.22**	**0.22**	**0.31**
Total Organic Carbon by EPA Method 9060													
		2800	**1100**	**420B**	<1000	**1100**	**13000**	**16000**	**3400**	**6500**	**1100**	**1500**	**1400**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10
	SAMPLE DEPTH (FT BGS):	47.5-50	57.5-60	65-67.5	75-77.5	75-77.5 DUP	80-82.5	82.5-85	90-92.5	105-107.5
	SAMPLE DATE:	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270										
Dinoseb	88-85-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
1,2,4-Trichlorobenzene	120-82-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
1,2-Dichlorobenzene	95-50-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
1,3-Dichlorobenzene	541-73-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
1,4-Dichlorobenzene	106-46-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,4,5-Trichlorophenol	95-95-4	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,4,6-Trichlorophenol	88-06-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,4-Dichlorophenol	120-83-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,4-Dimethylphenol	105-67-9	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,4-Dinitrophenol	51-28-5	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
2,4-Dinitrotoluene	121-14-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2,6-Dinitrotoluene	606-20-2	--	<0.37	<0.4	<0.35	**0.7**	<0.37	--	<0.35	<0.36
2-Chloronaphthalene	91-58-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2-Chlorophenol	95-57-8	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2-Methylnaphthalene	91-57-6	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
2-Nitroaniline	88-74-4	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
2-Nitrophenol	88-75-5	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
3- and 4-Methylphenol	106-44-5	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
3,3-Dichlorobenzidine	91-94-1	--	<0.73	<0.8	<0.7	<0.82	<0.74	--	<0.7	<0.72
3-Nitroaniline	99-09-2	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
4-Bromophenylphenyl ether	101-55-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
4-Chloro-3-methylphenol	59-50-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
4-Chlorophenylphenyl ether	7005-72-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
4-Nitroaniline	100-01-6	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
4-Nitrophenol	100-02-7	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
Acenaphthene	83-32-9	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Acenaphthylene	208-96-8	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Anthracene	120-12-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Benzo (a) anthracene	56-55-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Benzo (a) pyrene	50-32-8	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Benzo (b) fluoranthene	205-99-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Benzo (g,h,i) perylene	191-24-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Benzo (k) fluoranthene	207-08-9	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
bis (2-Chloroethoxy) methane	111-91-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
bis (2-Chloroethyl) ether	111-44-4	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10	A1-10
	SAMPLE DEPTH (FT BGS):	47.5-50	57.5-60	65-67.5	75-77.5	75-77.5 DUF	80-82.5	82.5-85	90-92.5	105-107.5
	SAMPLE DATE:	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04	9/27-28/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270										
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.15	<0.12	<0.077	<0.41	<0.089	--	<0.13	<0.15
Butylbenzyl phthalate	85-68-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Carbazole	86-74-8	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Chrysene	218-01-9	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Dibenzo (a,h) anthracene	53-70-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Dibenzofuran	132-64-9	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Diethyl phthalate	84-66-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Dimethylphthalate	131-11-3	--	<0.37	<0.4	<0.35	**0.25J**	<0.37	--	<0.35	<0.36
Di-n-butyl phthalate	84-74-2	--	<0.37	<0.4	**0.11J**	<0.41	<0.37	--	<0.35	<0.36
Dinitro-2-methylphenol,	534-52-1	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
Di-n-octyl phthalate	117-84-0	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Fluoranthene	206-44-0	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Fluorene	86-73-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Hexachlorobenzene	118-74-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Hexachlorobutadiene	87-68-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Hexachlorocyclopentadiene	77-47-4	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Hexachloroethane	67-72-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Indeno (1,2,3-cd) pyrene	193-39-5	--	**0.022J**	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Isophorone	78-59-1	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Naphthalene	91-20-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Nitrobenzene	98-95-3	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Nitrosodiphenylamine	86-30-6	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
n-Nitrosodi-n-propylamine	621-64-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
o-Cresol (2-methylphenol)	95-48-7	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
p-Chloroaniline	106-47-8	--	<0.73	<0.8	<0.7	<0.82	<0.74	--	<0.7	<0.72
Pentachlorophenol	87-86-5	--	<1.9	<2.1	<1.8	<2.1	<1.9	--	<1.8	<1.8
Phenanthrene	85-01-8	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Phenols	108-95-2	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Pyrene	129-00-0	--	<0.37	<0.4	<0.35	<0.41	<0.37	--	<0.35	<0.36
Total SVOC's		**NA**	**0.02**	**ND**	**0.11**	**0.95**	**ND**	**NA**	**ND**	**ND**
Total Organic Carbon by EPA Method 9060										
		810B	**600B**	**950B**	**710B**	**1200**	**1200**	**1300**	**1400**	**660B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11
	SAMPLE DEPTH (FT BGS):	5-7.5	10-12.5	20-22.5	25-27.5	30-32.5	40-42.5	40-42.5 D	57.5-60	60-62.5	62.5-65	72.5-75	72.5-75 DUP
	SAMPLE DATE:	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
1,2,4-Trichlorobenzene	120-82-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
1,2-Dichlorobenzene	95-50-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
1,3-Dichlorobenzene	541-73-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
1,4-Dichlorobenzene	106-46-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,4,5-Trichlorophenol	95-95-4	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,4,6-Trichlorophenol	88-06-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,4-Dichlorophenol	120-83-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,4-Dimethylphenol	105-67-9	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,4-Dinitrophenol	51-28-5	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
2,4-Dinitrotoluene	121-14-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2,6-Dinitrotoluene	606-20-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2-Chloronaphthalene	91-58-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2-Chlorophenol	95-57-8	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2-Methylnaphthalene	91-57-6	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
2-Nitroaniline	88-74-4	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
2-Nitrophenol	88-75-5	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
3- and 4-Methylphenol	106-44-5	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
3,3-Dichlorobenzidine	91-94-1	**0.053J**	<0.78	<0.75	--	<0.78	<0.75	<0.75	<0.78	--	<0.81	<0.8	<0.78
3-Nitroaniline	99-09-2	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
4-Bromophenylphenyl ether	101-55-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
4-Chloro-3-methylphenol	59-50-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
4-Chlorophenylphenyl ether	7005-72-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
4-Nitroaniline	100-01-6	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
4-Nitrophenol	100-02-7	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
Acenaphthene	83-32-9	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Acenaphthylene	208-96-8	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Anthracene	120-12-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Benzo (a) anthracene	56-55-3	**0.096J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Benzo (a) pyrene	50-32-8	**0.092J**	**0.044J**	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Benzo (b) fluoranthene	205-99-2	**0.085J**	**0.04J**	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Benzo (g,h,i) perylene	191-24-2	**0.072J**	**0.032J**	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Benzo (k) fluoranthene	207-08-9	**0.11J**	**0.05J**	**0.027J**	--	**0.035J**	**0.028J**	<0.38	<0.39	--	<0.41	<0.4	<0.39
bis (2-Chloroethoxy) methane	111-91-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
bis (2-Chloroethyl) ether	111-44-4	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11	A1-11
	SAMPLE DEPTH (FT BGS):	5-7.5	10-12.5	20-22.5	25-27.5	30-32.5	40-42.5	40-42.5 D	57.5-60	60-62.5	62.5-65	72.5-75	72.5-75 DUP
	SAMPLE DATE:	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	**0.094J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Butylbenzyl phthalate	85-68-7	**0.069J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Carbazole	86-74-8	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Chrysene	218-01-9	**0.1J**	**0.037J**	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Dibenzo (a,h) anthracene	53-70-3	**0.057J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Dibenzofuran	132-64-9	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Diethyl phthalate	84-66-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Dimethylphthalate	131-11-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Di-n-butyl phthalate	84-74-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Dinitro-2-methylphenol,	534-52-1	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
Di-n-octyl phthalate	117-84-0	**0.092J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Fluoranthene	206-44-0	**0.04J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Fluorene	86-73-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Hexachlorobenzene	118-74-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Hexachlorobutadiene	87-68-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Hexachlorocyclopentadiene	77-47-4	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Hexachloroethane	67-72-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Indeno (1,2,3-cd) pyrene	193-39-5	**0.082J**	**0.033J**	**0.022J**	--	**0.023J**	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Isophorone	78-59-1	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Naphthalene	91-20-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Nitrobenzene	98-95-3	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Nitrosodiphenylamine	86-30-6	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
n-Nitrosodi-n-propylamine	621-64-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
o-Cresol (2-methylphenol)	95-48-7	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
p-Chloroaniline	106-47-8	<0.84	<0.78	<0.75	--	<0.78	<0.75	<0.75	<0.78	--	<0.81	<0.8	<0.78
Pentachlorophenol	87-86-5	<2.2	<2	<1.9	--	<2	<1.9	<1.9	<2	--	<2.1	<2	<2
Phenanthrene	85-01-8	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Phenols	108-95-2	<0.42	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Pyrene	129-00-0	**0.039J**	<0.39	<0.38	--	<0.39	<0.38	<0.38	<0.39	--	<0.41	<0.4	<0.39
Total SVOC's		**1.1**	**0.24**	**0.049**	**NA**	**0.058**	**0.028**	**ND**	**ND**	**NA**	**ND**	**ND**	**ND**
Total Organic Carbon by EPA Method 9060													
		820B	**2200**	**NA**	**880B**	**620B**	**880B**	**980B**	**750B**	**600B**	**820B**	**620B**	**480B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-11	A1-11	A1-11	A1-11	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12
	SAMPLE DEPTH (FT BGS):	82.5-85	92.5-95	97.5-100	102.5-105	7.5-10	12.5-15	17.5-20	22.5-25	37.5-40	37.5-40 DUP	47.5-50	52.5-55
	SAMPLE DATE:	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
1,2,4-Trichlorobenzene	120-82-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
1,2-Dichlorobenzene	95-50-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
1,3-Dichlorobenzene	541-73-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	**0.028J**	**0.46**
1,4-Dichlorobenzene	106-46-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,4,5-Trichlorophenol	95-95-4	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,4,6-Trichlorophenol	88-06-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,4-Dichlorophenol	120-83-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,4-Dimethylphenol	105-67-9	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,4-Dinitrophenol	51-28-5	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
2,4-Dinitrotoluene	121-14-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2,6-Dinitrotoluene	606-20-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2-Chloronaphthalene	91-58-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2-Chlorophenol	95-57-8	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2-Methylnaphthalene	91-57-6	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
2-Nitroaniline	88-74-4	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
2-Nitrophenol	88-75-5	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
3- and 4-Methylphenol	106-44-5	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
3,3-Dichlorobenzidine	91-94-1	<0.82	<0.8	--	<0.72	<0.88	<0.8	--	<0.78	<0.75	<0.77	<0.73	<0.81
3-Nitroaniline	99-09-2	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
4-Bromophenylphenyl ether	101-55-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
4-Chloro-3-methylphenol	59-50-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
4-Chlorophenylphenyl ether	7005-72-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
4-Nitroaniline	100-01-6	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
4-Nitrophenol	100-02-7	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
Acenaphthene	83-32-9	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Acenaphthylene	208-96-8	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Anthracene	120-12-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Benzo (a) anthracene	56-55-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Benzo (a) pyrene	50-32-8	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Benzo (b) fluoranthene	205-99-2	<0.41	<0.4	--	<0.36	**0.46**	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Benzo (g,h,i) perylene	191-24-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Benzo (k) fluoranthene	207-08-9	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
bis (2-Chloroethoxy) methane	111-91-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
bis (2-Chloroethyl) ether	111-44-4	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-11	A1-11	A1-11	A1-11	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12
	SAMPLE DEPTH (FT BGS):	82.5-85	92.5-95	97.5-100	102.5-105	7.5-10	12.5-15	17.5-20	22.5-25	37.5-40	37.5-40 DUP	47.5-50	52.5-55
	SAMPLE DATE:	9/14-15/04	9/14-15/04	9/14-15/04	9/14-15/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Butylbenzyl phthalate	85-68-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Carbazole	86-74-8	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Chrysene	218-01-9	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Dibenzo (a,h) anthracene	53-70-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Dibenzofuran	132-64-9	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Diethyl phthalate	84-66-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Dimethylphthalate	131-11-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Di-n-butyl phthalate	84-74-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Dinitro-2-methylphenol,	534-52-1	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
Di-n-octyl phthalate	117-84-0	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Fluoranthene	206-44-0	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Fluorene	86-73-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Hexachlorobenzene	118-74-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Hexachlorobutadiene	87-68-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Hexachlorocyclopentadiene	77-47-4	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Hexachloroethane	67-72-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Indeno (1,2,3-cd) pyrene	193-39-5	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Isophorone	78-59-1	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Naphthalene	91-20-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Nitrobenzene	98-95-3	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Nitrosodiphenylamine	86-30-6	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
n-Nitrosodi-n-propylamine	621-64-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
o-Cresol (2-methylphenol)	95-48-7	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
p-Chloroaniline	106-47-8	<0.82	<0.8	--	<0.72	<0.88	<0.8	--	<0.78	<0.75	<0.77	<0.73	<0.81
Pentachlorophenol	87-86-5	<2.1	<2	--	<1.9	<2.3	<2	--	<2	<1.9	<2	<1.9	<2.1
Phenanthrene	85-01-8	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Phenols	108-95-2	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Pyrene	129-00-0	<0.41	<0.4	--	<0.36	<0.44	<0.4	--	<0.39	<0.38	<0.38	<0.37	<0.41
Total SVOC's		**ND**	**ND**	**NA**	**ND**	**0.46**	**ND**	**NA**	**ND**	**ND**	**ND**	**0.028**	**0.46**
Total Organic Carbon by EPA Method 9060													
		<1000	**400B**	**1300**	<1000	**3200**	**4200**	**5200**	**1100**	**460B**	**470B**	**720B**	**3200**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-13	A1-13	A1-13	A1-13	A1-13
	SAMPLE DEPTH (FT BGS):	55-57.5	62.5-65	72.5-75	80-82.5	88.5-90	97.5-100	110-112	2-4	11-13.5	19-21.5	26-28.5	36-38.5
	SAMPLE DATE:	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
1,2,4-Trichlorobenzene	120-82-1	--	<0.4	<0.38	<0.4	--	<0.35	**45**	**0.85J**	**8.1J**	**21**	--	<0.41
1,2-Dichlorobenzene	95-50-1	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**2J**	**6.2J**	--	<0.41
1,3-Dichlorobenzene	541-73-1	--	**0.32J**	**0.069J**	**0.05J**	--	**0.081J**	**0.029J**	<4.4	<27	<9.4	--	<0.41
1,4-Dichlorobenzene	106-46-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**12J**	**14**	--	**0.059J**
2,4,5-Trichlorophenol	95-95-4	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	**1J**	--	<0.41
2,4,6-Trichlorophenol	88-06-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	**1.6J**	--	<0.41
2,4-Dichlorophenol	120-83-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**3.4J**	<9.4	--	<0.41
2,4-Dimethylphenol	105-67-9	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	**1.4J**	--	<0.41
2,4-Dinitrophenol	51-28-5	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	<48	--	<2.1
2,4-Dinitrotoluene	121-14-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
2,6-Dinitrotoluene	606-20-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
2-Chloronaphthalene	91-58-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
2-Chlorophenol	95-57-8	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
2-Methylnaphthalene	91-57-6	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	**1J**	--	<0.41
2-Nitroaniline	88-74-4	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	<48	--	<2.1
2-Nitrophenol	88-75-5	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
3- and 4-Methylphenol	106-44-5	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
3,3-Dichlorobenzidine	91-94-1	--	<0.8	<0.77	<0.8	--	<0.69	<0.72	<8.9	<54	<19	--	<0.81
3-Nitroaniline	99-09-2	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	<48	--	<2.1
4-Bromophenylphenyl ether	101-55-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
4-Chloro-3-methylphenol	59-50-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
4-Chlorophenylphenyl ether	7005-72-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
4-Nitroaniline	100-01-6	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	<48	--	<2.1
4-Nitrophenol	100-02-7	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	<48	--	<2.1
Acenaphthene	83-32-9	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**4.7J**	<9.4	--	<0.41
Acenaphthylene	208-96-8	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Anthracene	120-12-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Benzo (a) anthracene	56-55-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Benzo (a) pyrene	50-32-8	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Benzo (b) fluoranthene	205-99-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Benzo (g,h,i) perylene	191-24-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Benzo (k) fluoranthene	207-08-9	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
bis (2-Chloroethoxy) methane	111-91-1	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
bis (2-Chloroethyl) ether	111-44-4	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-12	A1-13	A1-13	A1-13	A1-13	A1-13
	SAMPLE DEPTH (FT BGS):	55-57.5	62.5-65	72.5-75	80-82.5	88.5-90	97.5-100	110-112	2-4	11-13.5	19-21.5	26-28.5	36-38.5
	SAMPLE DATE:	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/5/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Butylbenzyl phthalate	85-68-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Carbazole	86-74-8	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Chrysene	218-01-9	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Dibenzo (a,h) anthracene	53-70-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Dibenzofuran	132-64-9	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**7.2J**	<9.4	--	<0.41
Diethyl phthalate	84-66-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Dimethylphthalate	131-11-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Di-n-butyl phthalate	84-74-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Dinitro-2-methylphenol,	534-52-1	--	<2.1	<2	<2	--	<1.8	<1.8	<23	**3.2J**	<48	--	<2.1
Di-n-octyl phthalate	117-84-0	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Fluoranthene	206-44-0	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**7.1J**	<9.4	--	<0.41
Fluorene	86-73-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**12J**	<9.4	--	<0.41
Hexachlorobenzene	118-74-1	--	<0.4	<0.38	<0.4	--	<0.35	**13**	<4.4	<27	<9.4	--	<0.41
Hexachlorobutadiene	87-68-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Hexachlorocyclopentadiene	77-47-4	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Hexachloroethane	67-72-1	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Isophorone	78-59-1	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Naphthalene	91-20-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**620**	**25**	--	<0.41
Nitrobenzene	98-95-3	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Nitrosodiphenylamine	86-30-6	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
n-Nitrosodi-n-propylamine	621-64-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
o-Cresol (2-methylphenol)	95-48-7	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
p-Chloroaniline	106-47-8	--	<0.8	<0.77	<0.8	--	<0.69	<0.72	**0.75J**	**4.6J**	**39**	--	<0.81
Pentachlorophenol	87-86-5	--	<2.1	<2	<2	--	<1.8	<1.8	<23	<140	**58**	--	<2.1
Phenanthrene	85-01-8	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	**17J**	<9.4	--	<0.41
Phenols	108-95-2	--	<0.4	<0.38	<0.4	--	<0.35	<0.36	<4.4	<27	<9.4	--	<0.41
Pyrene	129-00-0	--	<0.4	<0.38	<0.4	--	<0.35	**0.019J**	<4.4	**3.8J**	<9.4	--	<0.41
Total SVOC's		**NA**	**0.32**	**0.069**	**0.050**	**NA**	**0.081**	**58**	**1.6**	**710**	**170**	**NA**	**0.059**
Total Organic Carbon by EPA Method 9060													
		3800	**3200**	**400B**	**520B**	**480B**	**480B**	**780B**	**50000**	**170000**	**26000**	**820B**	**480B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-13	A1-13	A1-13	A1-13	A1-13	A1-13	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14
	SAMPLE DEPTH (FT BGS):	36-38.5 DUF	59-61.5	64-66.5	74-76.5	76.5-79	106-108.5	2.5-5	12.5-15	20-22.5	25-27.5	37.5-40	37.5-40 DUF
	SAMPLE DATE:	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
1,2,4-Trichlorobenzene	120-82-1	<0.39	--	<0.4	--	<0.39	<0.38	**1.3J**	**57**	--	**990**	**380**	**290**
1,2-Dichlorobenzene	95-50-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
1,3-Dichlorobenzene	541-73-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	**3J**	<3.8
1,4-Dichlorobenzene	106-46-7	**0.049J**	--	<0.4	--	<0.39	<0.38	**0.33J**	<43	--	**19**	<4	**1.9J**
2,4,5-Trichlorophenol	95-95-4	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
2,4,6-Trichlorophenol	88-06-2	<0.39	--	<0.4	--	<0.39	<0.38	**1.9J**	<43	--	**910**	**2.5J**	**2.1J**
2,4-Dichlorophenol	120-83-2	<0.39	--	<0.4	--	<0.39	<0.38	**2.9J**	**12J**	--	**960**	**1.8J**	<3.8
2,4-Dimethylphenol	105-67-9	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
2,4-Dinitrophenol	51-28-5	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
2,4-Dinitrotoluene	121-14-2	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
2,6-Dinitrotoluene	606-20-2	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
2-Chloronaphthalene	91-58-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
2-Chlorophenol	95-57-8	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	**1.4J**	<4	<3.8
2-Methylnaphthalene	91-57-6	<0.39	--	<0.4	--	<0.39	<0.38	**0.93J**	**5.5J**	--	**4.6**	**0.55J**	**0.6J**
2-Nitroaniline	88-74-4	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
2-Nitrophenol	88-75-5	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
3- and 4-Methylphenol	106-44-5	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
3,3-Dichlorobenzidine	91-94-1	<0.78	--	<0.8	--	<0.78	<0.77	<8.1	<87	--	<8.1	<8	<7.7
3-Nitroaniline	99-09-2	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
4-Bromophenylphenyl ether	101-55-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
4-Chloro-3-methylphenol	59-50-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
4-Chlorophenylphenyl ether	7005-72-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
4-Nitroaniline	100-01-6	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
4-Nitrophenol	100-02-7	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
Acenaphthene	83-32-9	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Acenaphthylene	208-96-8	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Anthracene	120-12-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Benzo (a) anthracene	56-55-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	**0.77J**	<3.8
Benzo (a) pyrene	50-32-8	**0.044J**	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Benzo (b) fluoranthene	205-99-2	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Benzo (g,h,i) perylene	191-24-2	**0.049J**	--	<0.4	--	<0.39	<0.38	**1.3J**	**7.1J**	--	<4.1	<4	<3.8
Benzo (k) fluoranthene	207-08-9	**0.041J**	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
bis (2-Chloroethoxy) methane	111-91-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
bis (2-Chloroethyl) ether	111-44-4	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-13	A1-13	A1-13	A1-13	A1-13	A1-13	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14
	SAMPLE DEPTH (FT BGS):	36-38.5 DUF	59-61.5	64-66.5	74-76.5	76.5-79	106-108.5	2.5-5	12.5-15	20-22.5	25-27.5	37.5-40	37.5-40 DUF
	SAMPLE DATE:	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/9-10/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Butylbenzyl phthalate	85-68-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Carbazole	86-74-8	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Chrysene	218-01-9	<0.39	--	<0.4	--	<0.39	<0.38	**2.1J**	**12J**	--	**6.4**	**0.84J**	**0.94J**
Dibenzo (a,h) anthracene	53-70-3	**0.039J**	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Dibenzofuran	132-64-9	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Diethyl phthalate	84-66-2	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Dimethylphthalate	131-11-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Di-n-butyl phthalate	84-74-2	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Dinitro-2-methylphenol,	534-52-1	<2	--	<2.1	--	<2	<2	<21	<220	--	<21	<20	<20
Di-n-octyl phthalate	117-84-0	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Fluoranthene	206-44-0	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Fluorene	86-73-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Hexachlorobenzene	118-74-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	**160**	**120**	**76**
Hexachlorobutadiene	87-68-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Hexachlorocyclopentadiene	77-47-4	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Hexachloroethane	67-72-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Indeno (1,2,3-cd) pyrene	193-39-5	**0.053J**	--	<0.4	--	<0.39	<0.38	<4.1	**5.9J**	--	<4.1	<4	<3.8
Isophorone	78-59-1	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Naphthalene	91-20-3	<0.39	--	<0.4	--	<0.39	<0.38	**25**	**450**	--	<4.1	**0.69J**	<3.8
Nitrobenzene	98-95-3	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
Nitrosodiphenylamine	86-30-6	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
n-Nitrosodi-n-propylamine	621-64-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
o-Cresol (2-methylphenol)	95-48-7	<0.39	--	<0.4	--	<0.39	<0.38	<4.1	<43	--	<4.1	<4	<3.8
p-Chloroaniline	106-47-8	**0.049J**	--	<0.8	--	<0.78	<0.77	**8.8**	<87	--	<8.1	<8	<7.7
Pentachlorophenol	87-86-5	<2	--	<2.1	--	<2	<2	**2.3J**	<220	--	**20J**	**7.2J**	**6.2J**
Phenanthrene	85-01-8	<0.39	--	<0.4	--	<0.39	<0.38	**1J**	<43	--	**4.8**	**0.74J**	**0.7J**
Phenols	108-95-2	<0.39	--	<0.4	--	<0.39	<0.38	**2.7J**	<43	--	<4.1	<4	<3.8
Pyrene	129-00-0	<0.39	--	<0.4	--	<0.39	<0.38	**1.3J**	<43	--	**4.7**	**0.62J**	<3.8
Total SVOC's		**0.32**	**NA**	**ND**	**NA**	**ND**	**ND**	**52**	**550**	**NA**	**3100**	**520**	**380**
Total Organic Carbon by EPA Method 9060													
		530B	**1600**	**1500**	<1000	<1000	<1000	**42000**	**28000**	**1200**	**12000**	**3400**	**2000**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-15
	SAMPLE DEPTH (FT BGS):	45-47.5	47.5-50	57.5-60	60-62.5	62.5-65	72.5-75	85-87.5	92.5-95	102.5-105	02.5-105 DU	112.5-115	7.5-10
	SAMPLE DATE:	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
1,2,4-Trichlorobenzene	120-82-1	**24**	--	**4.4**	<3.7	--	**0.14J**	**21**	**94**	**230**	**310**	**1600**	<0.47
1,2-Dichlorobenzene	95-50-1	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
1,3-Dichlorobenzene	541-73-1	**1.2J**	--	**1.2J**	<3.7	--	**0.086J**	<3.5	**3.2J**	<3.5	**0.49J**	**15**	<0.47
1,4-Dichlorobenzene	106-46-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,4,5-Trichlorophenol	95-95-4	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,4,6-Trichlorophenol	88-06-2	**0.47J**	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,4-Dichlorophenol	120-83-2	**0.63J**	--	**0.34J**	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,4-Dimethylphenol	105-67-9	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,4-Dinitrophenol	51-28-5	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
2,4-Dinitrotoluene	121-14-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2,6-Dinitrotoluene	606-20-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2-Chloronaphthalene	91-58-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2-Chlorophenol	95-57-8	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2-Methylnaphthalene	91-57-6	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
2-Nitroaniline	88-74-4	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
2-Nitrophenol	88-75-5	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
3- and 4-Methylphenol	106-44-5	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
3,3-Dichlorobenzidine	91-94-1	<7	--	<7.2	<7.3	--	<0.78	<7.1	<8	<7	<7.1	<7.1	<0.94
3-Nitroaniline	99-09-2	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
4-Bromophenylphenyl ether	101-55-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
4-Chloro-3-methylphenol	59-50-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
4-Chlorophenylphenyl ether	7005-72-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
4-Nitroaniline	100-01-6	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
4-Nitrophenol	100-02-7	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
Acenaphthene	83-32-9	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Acenaphthylene	208-96-8	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Anthracene	120-12-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Benzo (a) anthracene	56-55-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Benzo (a) pyrene	50-32-8	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	**0.46J**	<3.5	<3.5	<3.5	<0.47
Benzo (b) fluoranthene	205-99-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Benzo (g,h,i) perylene	191-24-2	<3.5	--	<3.6	<3.7	--	<0.39	**0.28J**	**0.33J**	<3.5	<3.5	<3.5	<0.47
Benzo (k) fluoranthene	207-08-9	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
bis (2-Chloroethoxy) methane	111-91-1	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
bis (2-Chloroethyl) ether	111-44-4	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-14	A1-15
	SAMPLE DEPTH (FT BGS):	45-47.5	47.5-50	57.5-60	60-62.5	62.5-65	72.5-75	85-87.5	92.5-95	102.5-105	02.5-105 DU	112.5-115	7.5-10
	SAMPLE DATE:	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/11/04	10/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<3.5	--	<3.6	**0.59J**	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Butylbenzyl phthalate	85-68-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Carbazole	86-74-8	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Chrysene	218-01-9	<3.5	--	<3.6	<3.7	--	**0.062J**	**0.59J**	**1J**	**0.35J**	**0.53J**	**0.59J**	<0.47
Dibenzo (a,h) anthracene	53-70-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Dibenzofuran	132-64-9	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Diethyl phthalate	84-66-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Dimethylphthalate	131-11-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Di-n-butyl phthalate	84-74-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Dinitro-2-methylphenol,	534-52-1	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
Di-n-octyl phthalate	117-84-0	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Fluoranthene	206-44-0	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Fluorene	86-73-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Hexachlorobenzene	118-74-1	**28**	--	**28**	**2.5J**	--	**3**	**66**	**120**	**130**	**140**	**220**	<0.47
Hexachlorobutadiene	87-68-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Hexachlorocyclopentadiene	77-47-4	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Hexachloroethane	67-72-1	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Indeno (1,2,3-cd) pyrene	193-39-5	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Isophorone	78-59-1	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Naphthalene	91-20-3	<3.5	--	<3.6	<3.7	--	**0.049J**	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Nitrobenzene	98-95-3	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Nitrosodiphenylamine	86-30-6	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
n-Nitrosodi-n-propylamine	621-64-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
o-Cresol (2-methylphenol)	95-48-7	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
p-Chloroaniline	106-47-8	<7	--	<7.2	<7.3	--	<0.78	<7.1	<8	<7	<7.1	<7.1	<0.94
Pentachlorophenol	87-86-5	<18	--	<18	<19	--	<2	<18	<20	<18	<18	<18	<2.4
Phenanthrene	85-01-8	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	**0.84J**	<3.5	**0.46J**	<3.5	<0.47
Phenols	108-95-2	<3.5	--	<3.6	<3.7	--	<0.39	<3.5	<4	<3.5	<3.5	<3.5	<0.47
Pyrene	129-00-0	**0.19J**	--	<3.6	<3.7	--	**0.03J**	<3.5	**0.66J**	**0.21J**	**0.36J**	**0.3J**	<0.47
Total SVOC's		**54**	**NA**	**34**	**3.1**	**NA**	**3.4**	**88**	**220**	**360**	**450**	**1800**	**ND**
Total Organic Carbon by EPA Method 9060													
		1600	**930B**	**780B**	**1100**	**480B**	<1000	**500B**	**2300**	**1000**	**1100**	**1500**	**8100**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15
	SAMPLE DEPTH (FT BGS):	12.5-15	15-17.5	25-27.5	32.5-35	32.5-35 DUP	42.5-45	45-47.5	50-52.5	60-62.5	75-77.5	77.5-80	85-87.5
	SAMPLE DATE:	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
1,2,4-Trichlorobenzene	120-82-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	**0.07J**	<0.38
1,2-Dichlorobenzene	95-50-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
1,3-Dichlorobenzene	541-73-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
1,4-Dichlorobenzene	106-46-7	--	<0.42	<0.38	<0.41	<0.39	--	**0.034J**	<0.36	**0.049J**	--	**0.048J**	**0.046J**
2,4,5-Trichlorophenol	95-95-4	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2,4,6-Trichlorophenol	88-06-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2,4-Dichlorophenol	120-83-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2,4-Dimethylphenol	105-67-9	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2,4-Dinitrophenol	51-28-5	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
2,4-Dinitrotoluene	121-14-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2,6-Dinitrotoluene	606-20-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2-Chloronaphthalene	91-58-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2-Chlorophenol	95-57-8	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2-Methylnaphthalene	91-57-6	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
2-Nitroaniline	88-74-4	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
2-Nitrophenol	88-75-5	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
3- and 4-Methylphenol	106-44-5	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
3,3-Dichlorobenzidine	91-94-1	--	<0.84	<0.77	<0.81	<0.78	--	<0.71	<0.72	<0.76	--	<0.78	<0.76
3-Nitroaniline	99-09-2	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
4-Bromophenylphenyl ether	101-55-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
4-Chloro-3-methylphenol	59-50-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
4-Chlorophenylphenyl ether	7005-72-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
4-Nitroaniline	100-01-6	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
4-Nitrophenol	100-02-7	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
Acenaphthene	83-32-9	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Acenaphthylene	208-96-8	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Anthracene	120-12-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Benzo (a) anthracene	56-55-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Benzo (a) pyrene	50-32-8	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Benzo (b) fluoranthene	205-99-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Benzo (g,h,i) perylene	191-24-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Benzo (k) fluoranthene	207-08-9	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
bis (2-Chloroethoxy) methane	111-91-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
bis (2-Chloroethyl) ether	111-44-4	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15	A1-15
	SAMPLE DEPTH (FT BGS):	12.5-15	15-17.5	25-27.5	32.5-35	32.5-35 DUP	42.5-45	45-47.5	50-52.5	60-62.5	75-77.5	77.5-80	85-87.5
	SAMPLE DATE:	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04	10/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Butylbenzyl phthalate	85-68-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Carbazole	86-74-8	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Chrysene	218-01-9	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Dibenzo (a,h) anthracene	53-70-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Dibenzofuran	132-64-9	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Diethyl phthalate	84-66-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Dimethylphthalate	131-11-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Di-n-butyl phthalate	84-74-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Dinitro-2-methylphenol,	534-52-1	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
Di-n-octyl phthalate	117-84-0	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Fluoranthene	206-44-0	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Fluorene	86-73-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Hexachlorobenzene	118-74-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Hexachlorobutadiene	87-68-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Hexachlorocyclopentadiene	77-47-4	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Hexachloroethane	67-72-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Isophorone	78-59-1	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Naphthalene	91-20-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Nitrobenzene	98-95-3	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Nitrosodiphenylamine	86-30-6	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
n-Nitrosodi-n-propylamine	621-64-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
o-Cresol (2-methylphenol)	95-48-7	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
p-Chloroaniline	106-47-8	--	<0.84	<0.77	<0.81	<0.78	--	<0.71	<0.72	<0.76	--	<0.78	<0.76
Pentachlorophenol	87-86-5	--	<2.2	<2	<2.1	<2	--	<1.8	<1.9	<2	--	<2	<2
Phenanthrene	85-01-8	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Phenols	108-95-2	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Pyrene	129-00-0	--	<0.42	<0.38	<0.41	<0.39	--	<0.35	<0.36	<0.38	--	<0.39	<0.38
Total SVOC's		**NA**	**ND**	**ND**	**ND**	**ND**	**NA**	**0.034**	**ND**	**0.049**	**NA**	**0.12**	**0.046**
Total Organic Carbon by EPA Method 9060													
		6400	**1300**	**440B**	**700B**	**810B**	**670B**	**760B**	1000	**900B**	**480B**	**450B**	<1000

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-15	A1-15	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16
	SAMPLE DEPTH (FT BGS):	90-92.5	105-107.5	5-7.5	7.5-10	17.5-20	27.5-30	35-37.5	42.5-45	50-52.5	50-52.5 DUP	60-62.5	60-62.5 DUP
	SAMPLE DATE:	10/13/04	10/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
1,2,4-Trichlorobenzene	120-82-1	**0.071J**	**0.21J**	**2**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
1,2-Dichlorobenzene	95-50-1	<0.39	<0.35	**0.034J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
1,3-Dichlorobenzene	541-73-1	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
1,4-Dichlorobenzene	106-46-7	**0.052J**	**0.076J**	**0.047J**	--	<0.47	<0.41	**0.034J**	<0.38	**0.094J**	**0.1J**	<0.41	<0.41
2,4,5-Trichlorophenol	95-95-4	<0.39	<0.35	<0.42	--	<0.47	**0.042J**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2,4,6-Trichlorophenol	88-06-2	<0.39	<0.35	<0.42	--	<0.47	**0.042J**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2,4-Dichlorophenol	120-83-2	<0.39	<0.35	<0.42	--	**0.078J**	**0.51**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2,4-Dimethylphenol	105-67-9	<0.39	<0.35	<0.42	--	**0.091J**	**0.17J**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2,4-Dinitrophenol	51-28-5	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
2,4-Dinitrotoluene	121-14-2	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2,6-Dinitrotoluene	606-20-2	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2-Chloronaphthalene	91-58-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2-Chlorophenol	95-57-8	<0.39	<0.35	<0.42	--	<0.47	**0.061J**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2-Methylnaphthalene	91-57-6	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
2-Nitroaniline	88-74-4	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
2-Nitrophenol	88-75-5	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
3- and 4-Methylphenol	106-44-5	<0.39	<0.35	<0.42	--	<0.47	**0.31J**	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
3,3-Dichlorobenzidine	91-94-1	<0.78	<0.69	<0.85	--	<0.94	<0.82	<0.8	<0.75	<0.94	<0.88	<0.82	<0.81
3-Nitroaniline	99-09-2	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
4-Bromophenylphenyl ether	101-55-3	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	**0.094J**	<0.44	<0.41	<0.41
4-Chloro-3-methylphenol	59-50-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
4-Chlorophenylphenyl ether	7005-72-3	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
4-Nitroaniline	100-01-6	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
4-Nitrophenol	100-02-7	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
Acenaphthene	83-32-9	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Acenaphthylene	208-96-8	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Anthracene	120-12-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Benzo (a) anthracene	56-55-3	<0.39	<0.35	**0.17J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Benzo (a) pyrene	50-32-8	<0.39	<0.35	**0.24J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Benzo (b) fluoranthene	205-99-2	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Benzo (g,h,i) perylene	191-24-2	<0.39	**0.053J**	**0.16J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Benzo (k) fluoranthene	207-08-9	<0.39	<0.35	**0.23JB**	--	**0.026JB**	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
bis (2-Chloroethoxy) methane	111-91-1	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
bis (2-Chloroethyl) ether	111-44-4	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-15	A1-15	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16
	SAMPLE DEPTH (FT BGS):	90-92.5	105-107.5	5-7.5	7.5-10	17.5-20	27.5-30	35-37.5	42.5-45	50-52.5	50-52.5 DUP	60-62.5	60-62.5 DUP
	SAMPLE DATE:	10/13/04	10/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	<0.39	<0.35	**0.092J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Butylbenzyl phthalate	85-68-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Carbazole	86-74-8	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Chrysene	218-01-9	<0.39	<0.35	**0.53**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Dibenzo (a,h) anthracene	53-70-3	<0.39	<0.35	**0.082J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Dibenzofuran	132-64-9	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Diethyl phthalate	84-66-2	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Dimethylphthalate	131-11-3	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Di-n-butyl phthalate	84-74-2	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Dinitro-2-methylphenol,	534-52-1	<2	<1.8	<2.2	--	<2.4	<2.1	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
Di-n-octyl phthalate	117-84-0	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Fluoranthene	206-44-0	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Fluorene	86-73-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	**0.05J**	<0.38	**0.041J**	**0.036J**	<0.41	<0.41
Hexachlorobenzene	118-74-1	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Hexachlorobutadiene	87-68-3	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Hexachlorocyclopentadiene	77-47-4	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Hexachloroethane	67-72-1	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Indeno (1,2,3-cd) pyrene	193-39-5	<0.39	<0.35	**0.087JB**	--	**0.028JB**	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Isophorone	78-59-1	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Naphthalene	91-20-3	<0.39	<0.35	<0.42	--	**0.25J**	**0.47**	**0.1J**	**0.39**	**0.25J**	**0.28J**	<0.41	<0.41
Nitrobenzene	98-95-3	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Nitrosodiphenylamine	86-30-6	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
n-Nitrosodi-n-propylamine	621-64-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
o-Cresol (2-methylphenol)	95-48-7	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
p-Chloroaniline	106-47-8	<0.78	<0.69	**5.9**	--	**0.52J**	**0.78J**	**0.64J**	**0.54J**	**0.83J**	**0.79J**	**0.066J**	**0.049J**
Pentachlorophenol	87-86-5	<2	<1.8	<2.2	--	<2.4	**0.26J**	<2.1	<1.9	<2.4	<2.3	<2.1	<2.1
Phenanthrene	85-01-8	<0.39	<0.35	<0.42	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Phenols	108-95-2	<0.39	<0.35	<0.42	--	<0.47	**2.7**	**0.06J**	<0.38	**0.12J**	**0.12J**	<0.41	<0.41
Pyrene	129-00-0	<0.39	<0.35	**0.25J**	--	<0.47	<0.41	<0.4	<0.38	<0.47	<0.44	<0.41	<0.41
Total SVOC's		**0.12**	**0.34**	**9.8**	**NA**	**0.99**	**5.3**	**0.88**	**0.93**	**1.4**	**1.3**	**0.066**	**0.049**
Total Organic Carbon by EPA Method 9060													
		<1000	**990B**	**26000**	**11000**	**6100**	**760B**	**1400**	**1300**	**4100**	**5200**	**500B**	**550B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-17	A1-17	A1-17	A1-17	A1-18	A1-18
	SAMPLE DEPTH (FT BGS):	70-72.5	75-77.5	87.5-90	92.5-95	102.5-105	105-107.5	5-7.5	12.5-15	17.5-20	22.5-25	7.5-10	7.5-10 DUP
	SAMPLE DATE:	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/30/04	9/30/04	9/30/04	9/30/04	9/24/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
1,2,4-Trichlorobenzene	120-82-1	--	<0.39	**0.047J**	<0.4	--	**0.23J**	<0.44	--	<0.44	<0.41	**13**	**10**
1,2-Dichlorobenzene	95-50-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
1,3-Dichlorobenzene	541-73-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
1,4-Dichlorobenzene	106-46-7	--	**0.031J**	**0.15J**	**0.088J**	--	**0.14J**	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,4,5-Trichlorophenol	95-95-4	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,4,6-Trichlorophenol	88-06-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,4-Dichlorophenol	120-83-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,4-Dimethylphenol	105-67-9	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,4-Dinitrophenol	51-28-5	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
2,4-Dinitrotoluene	121-14-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2,6-Dinitrotoluene	606-20-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2-Chloronaphthalene	91-58-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2-Chlorophenol	95-57-8	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2-Methylnaphthalene	91-57-6	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
2-Nitroaniline	88-74-4	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
2-Nitrophenol	88-75-5	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
3- and 4-Methylphenol	106-44-5	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
3,3-Dichlorobenzidine	91-94-1	--	<0.78	<0.8	<0.8	--	<0.76	<0.89	--	<0.88	<0.82	<7.8	<17
3-Nitroaniline	99-09-2	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
4-Bromophenylphenyl ether	101-55-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
4-Chloro-3-methylphenol	59-50-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
4-Chlorophenylphenyl ether	7005-72-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
4-Nitroaniline	100-01-6	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
4-Nitrophenol	100-02-7	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
Acenaphthene	83-32-9	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Acenaphthylene	208-96-8	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Anthracene	120-12-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Benzo (a) anthracene	56-55-3	--	<0.39	<0.4	<0.4	--	<0.38	**0.056J**	--	<0.44	<0.41	<3.9	<8.6
Benzo (a) pyrene	50-32-8	--	<0.39	<0.4	<0.4	--	<0.38	**0.047J**	--	<0.44	<0.41	<3.9	<8.6
Benzo (b) fluoranthene	205-99-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Benzo (g,h,i) perylene	191-24-2	--	<0.39	<0.4	<0.4	--	<0.38	**0.034J**	--	<0.44	<0.41	<3.9	<8.6
Benzo (k) fluoranthene	207-08-9	--	<0.39	<0.4	<0.4	--	<0.38	**0.04J**	--	<0.44	<0.41	<3.9	<8.6
bis (2-Chloroethoxy) methane	111-91-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
bis (2-Chloroethyl) ether	111-44-4	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6

Table D-2
Total SVOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

	BORING ID:	A1-16	A1-16	A1-16	A1-16	A1-16	A1-16	A1-17	A1-17	A1-17	A1-17	A1-18	A1-18
	SAMPLE DEPTH (FT BGS):	70-72.5	75-77.5	87.5-90	92.5-95	102.5-105	105-107.5	5-7.5	12.5-15	17.5-20	22.5-25	7.5-10	7.5-10 DUP
	SAMPLE DATE:	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/13/04	9/30/04	9/30/04	9/30/04	9/30/04	9/24/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	**0.2J**	**0.15J**	<3.9	<8.6
Butylbenzyl phthalate	85-68-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Carbazole	86-74-8	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Chrysene	218-01-9	--	<0.39	<0.4	<0.4	--	<0.38	**0.053J**	--	<0.44	<0.41	<3.9	<8.6
Dibenzo (a,h) anthracene	53-70-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Dibenzofuran	132-64-9	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Diethyl phthalate	84-66-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Dimethylphthalate	131-11-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Di-n-butyl phthalate	84-74-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Dinitro-2-methylphenol,	534-52-1	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	<20	<44
Di-n-octyl phthalate	117-84-0	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Fluoranthene	206-44-0	--	<0.39	<0.4	<0.4	--	<0.38	**0.072J**	--	<0.44	<0.41	<3.9	<8.6
Fluorene	86-73-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Hexachlorobenzene	118-74-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Hexachlorobutadiene	87-68-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Hexachlorocyclopentadiene	77-47-4	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Hexachloroethane	67-72-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.39	<0.4	<0.4	--	<0.38	**0.028J**	--	<0.44	<0.41	<3.9	<8.6
Isophorone	78-59-1	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Naphthalene	91-20-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	**1.1J**	<8.6
Nitrobenzene	98-95-3	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Nitrosodiphenylamine	86-30-6	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
n-Nitrosodi-n-propylamine	621-64-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
o-Cresol (2-methylphenol)	95-48-7	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
p-Chloroaniline	106-47-8	--	<0.78	<0.8	<0.8	--	<0.76	<0.89	--	<0.88	<0.82	**1.1J**	<17
Pentachlorophenol	87-86-5	--	<2	<2	<2.1	--	<2	<2.3	--	<2.3	<2.1	**12J**	**3J**
Phenanthrene	85-01-8	--	<0.39	<0.4	<0.4	--	<0.38	**0.072J**	--	<0.44	<0.41	<3.9	<8.6
Phenols	108-95-2	--	<0.39	<0.4	<0.4	--	<0.38	<0.44	--	<0.44	<0.41	<3.9	<8.6
Pyrene	129-00-0	--	<0.39	<0.4	<0.4	--	<0.38	**0.082J**	--	<0.44	<0.41	<3.9	<8.6
Total SVOC's		**NA**	**0.031**	**0.20**	**0.088**	**NA**	**0.37**	**0.48**	**NA**	**0.20**	**0.15**	**27**	**13**
Total Organic Carbon by EPA Method 9060													
		650B	<1000	**560B**	<1000	**420B**	<1000	**13000**	**5400**	**5100**	**600B**	**4100**	**4500**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18
	SAMPLE DEPTH (FT BGS):	10-12.5	12.5-15	27.5-30	32.5-35	40-42.5	50-52.5	52.5-55	67.5-70	72.5-75	85-87.5	35-87.5 DUF	95-97.5
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
1,2,4-Trichlorobenzene	120-82-1	--	**0.91**	**0.056J**	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
1,2-Dichlorobenzene	95-50-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
1,3-Dichlorobenzene	541-73-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
1,4-Dichlorobenzene	106-46-7	--	**0.079J**	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,4,5-Trichlorophenol	95-95-4	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,4,6-Trichlorophenol	88-06-2	--	**0.059J**	**0.069J**	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,4-Dichlorophenol	120-83-2	--	<0.4	**0.052J**	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,4-Dimethylphenol	105-67-9	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,4-Dinitrophenol	51-28-5	--	<2.1	<2.2	<2	<2	--	<2	<2	<2	<2	<2	<2
2,4-Dinitrotoluene	121-14-2	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2,6-Dinitrotoluene	606-20-2	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2-Chloronaphthalene	91-58-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2-Chlorophenol	95-57-8	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2-Methylnaphthalene	91-57-6	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
2-Nitroaniline	88-74-4	--	<2.1	<2.2	<2	<2	--	<2	<2	<2	<2	<2	<2
2-Nitrophenol	88-75-5	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
3- and 4-Methylphenol	106-44-5	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
3,3-Dichlorobenzidine	91-94-1	--	<0.8	<0.84	<0.78	<0.78	--	<0.78	<0.78	<0.78	<0.8	<0.8	<0.77
3-Nitroaniline	99-09-2	--	<2.1	<2.2	<2	<2	--	<2	<2	<2	<2	<2	<2
4-Bromophenylphenyl ether	101-55-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
4-Chloro-3-methylphenol	59-50-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
4-Chlorophenylphenyl ether	7005-72-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
4-Nitroaniline	100-01-6	--	<2.1	<2.2	<2	<2	--	<2	<2	<2	<2	<2	<2
4-Nitrophenol	100-02-7	--	<2.1	<2.2	<2	<2	--	<2	<2	<2	<2	<2	<2
Acenaphthene	83-32-9	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Acenaphthylene	208-96-8	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Anthracene	120-12-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Benzo (a) anthracene	56-55-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Benzo (a) pyrene	50-32-8	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Benzo (b) fluoranthene	205-99-2	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Benzo (g,h,i) perylene	191-24-2	--	**0.043J**	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Benzo (k) fluoranthene	207-08-9	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
bis (2-Chloroethoxy) methane	111-91-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
bis (2-Chloroethyl) ether	111-44-4	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18	A1-18
	SAMPLE DEPTH (FT BGS):	10-12.5	12.5-15	27.5-30	32.5-35	40-42.5	50-52.5	52.5-55	67.5-70	72.5-75	85-87.5	35-87.5 DUF	95-97.5
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04	9/24/04
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.4	<0.42	**0.066J**	<0.39	--	**0.06J**	**0.19J**	<0.39	<0.4	<0.4	<0.38
Butylbenzyl phthalate	85-68-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Carbazole	86-74-8	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Chrysene	218-01-9	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Dibenzo (a,h) anthracene	53-70-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Dibenzofuran	132-64-9	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Diethyl phthalate	84-66-2	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Dimethylphthalate	131-11-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Di-n-butyl phthalate	84-74-2	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Dinitro-2-methylphenol,	534-52-1	--	<2.1	**0.86J**	**0.3J**	<2	--	<2	<2	<2	<2	<2	<2
Di-n-octyl phthalate	117-84-0	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Fluoranthene	206-44-0	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Fluorene	86-73-7	--	<0.4	<0.42	**0.034J**	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Hexachlorobenzene	118-74-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Hexachlorobutadiene	87-68-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Hexachlorocyclopentadiene	77-47-4	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Hexachloroethane	67-72-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.4	<0.42	<0.39	<0.39	--	**0.023J**	<0.39	<0.39	<0.4	<0.4	<0.38
Isophorone	78-59-1	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Naphthalene	91-20-3	--	**0.5J**	**0.34J**	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Nitrobenzene	98-95-3	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Nitrosodiphenylamine	86-30-6	--	<0.4	**0.054J**	**0.092J**	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
n-Nitrosodi-n-propylamine	621-64-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
o-Cresol (2-methylphenol)	95-48-7	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
p-Chloroaniline	106-47-8	--	**0.35J**	**0.43J**	**0.11J**	**0.14J**	--	<0.78	<0.78	**0.036J**	<0.8	<0.8	<0.77
Pentachlorophenol	87-86-5	--	**2J**	**2.5**	**0.47J**	<2	--	<2	<2	**0.059J**	<2	<2	<2
Phenanthrene	85-01-8	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Phenols	108-95-2	--	**0.13J**	**0.2J**	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Pyrene	129-00-0	--	<0.4	<0.42	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.4	<0.4	<0.38
Total SVOC's		**NA**	**4.1**	**4.6**	**1.1**	**0.14**	**NA**	**0.083**	**0.19**	**0.095**	**ND**	**ND**	**ND**
Total Organic Carbon by EPA Method 9060													
		690B	**1700**	**970B**	**1300**	**740B**	**830B**	**640B**	**720B**	**530B**	**420B**	<1000	**540B**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	102.5-105	105-107.5	110-112.5	2.5-5	6-8.5	11-13.5	28.5-31	28.5-31 DUP	33.5-36	36-38.5	42.5-45	58.5-60
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
Dinoseb	88-85-7	--	<0.41	<0.35	--	<11	<2.2	<1.9	<1.8	<2	--	<0.95	<0.93
1,2,4-Trichlorobenzene	120-82-1	--	<0.41	<0.35	--	**56**	**31**	**16**	**57**	**17**	--	**6.9**	**55**
1,2-Dichlorobenzene	95-50-1	--	<0.41	<0.35	--	**26J**	**17**	<0.54	**0.83J**	<0.54	--	**0.37J**	**0.31J**
1,3-Dichlorobenzene	541-73-1	--	<0.41	<0.35	--	**8J**	**3.1J**	<0.61	<0.58	<0.61	--	<0.3	<0.29
1,4-Dichlorobenzene	106-46-7	--	<0.41	<0.35	--	**130**	**93**	**270**	**22**	**2.5J**	--	**5.3**	**4.7**
2,4,5-Trichlorophenol	95-95-4	--	<0.41	<0.35	--	<4.4	<0.86	<0.75	<0.71	<0.76	--	<0.36	<0.36
2,4,6-Trichlorophenol	88-06-2	--	<0.41	<0.35	--	<2.8	<0.54	<0.47	<0.44	<0.47	--	<0.23	<0.22
2,4-Dichlorophenol	120-83-2	--	<0.41	<0.35	--	<3.2	<0.62	<0.54	<0.51	<0.54	--	<0.26	<0.26
2,4-Dimethylphenol	105-67-9	--	<0.41	<0.35	--	<4.8	<0.94	<0.82	<0.77	<0.83	--	<0.4	<0.39
2,4-Dinitrophenol	51-28-5	--	<2.1	<1.8	--	<23	<4.6	<4	<3.8	<4	--	<1.9	<1.9
2,4-Dinitrotoluene	121-14-2	--	<0.41	<0.35	--	<2.6	<0.51	<0.45	<0.42	<0.45	--	<0.22	<0.21
2,6-Dinitrotoluene	606-20-2	--	<0.41	<0.35	--	<4.6	<0.89	<0.77	<0.73	<0.78	--	<0.38	<0.37
2-Chloronaphthalene	91-58-7	--	<0.41	<0.35	--	<3.3	<0.65	<0.56	<0.53	<0.57	--	<0.27	<0.27
2-Chlorophenol	95-57-8	--	<0.41	<0.35	--	<3.7	<0.73	<0.63	<0.6	<0.64	--	<0.31	<0.3
2-Methylnaphthalene	91-57-6	--	<0.41	<0.35	--	**4.1J**	**1.4J**	**1.6J**	**1.1J**	<0.57	--	**0.34J**	**0.56J**
2-Nitroaniline	88-74-4	--	<2.1	<1.8	--	<3.2	<0.62	<0.54	<0.51	<0.54	--	<0.26	<0.26
2-Nitrophenol	88-75-5	--	<0.41	<0.35	--	<2.8	<0.54	<0.47	<0.44	<0.47	--	<0.23	<0.22
3- and 4-Methylphenol	106-44-5	--	<0.41	<0.35	--	<4	<0.78	<0.68	<0.64	<0.69	--	<0.33	<0.32
3,3-Dichlorobenzidine	91-94-1	--	<0.81	<0.71	--	<4.1	<0.81	<0.7	<0.66	<0.71	--	<0.34	<0.33
3-Nitroaniline	99-09-2	--	<2.1	<1.8	--	<4.6	**11J**	<0.77	<0.73	<0.78	--	<0.38	<0.37
4-Bromophenylphenyl ether	101-55-3	--	<0.41	<0.35	--	<4.3	<0.84	<0.73	<0.69	<0.73	--	<0.35	<0.35
4-Chloro-3-methylphenol	59-50-7	--	<0.41	<0.35	--	<4.7	<0.92	<0.8	<0.75	<0.8	--	<0.39	<0.38
4-Chlorophenylphenyl ether	7005-72-3	--	<0.41	<0.35	--	<2.6	<0.51	<0.45	<0.42	<0.45	--	<0.22	<0.21
4-Nitroaniline	100-01-6	--	<2.1	<1.8	--	<2.3	<0.46	<0.4	<0.38	<0.4	--	<0.19	<0.19
4-Nitrophenol	100-02-7	--	<2.1	<1.8	--	<29	<5.7	<4.9	<4.6	<5	--	<2.4	<2.3
Acenaphthene	83-32-9	--	<0.41	<0.35	--	<2.6	<0.51	<0.45	<0.42	<0.45	--	<0.22	<0.21
Acenaphthylene	208-96-8	--	<0.41	<0.35	--	<2.3	<0.46	<0.4	<0.38	<0.4	--	<0.19	<0.19
Anthracene	120-12-7	--	<0.41	<0.35	--	<3.2	<0.62	<0.54	<0.51	<0.54	--	<0.26	<0.26
Benzo (a) anthracene	56-55-3	--	<0.41	<0.35	--	<4.3	**1.7J**	<0.73	<0.69	<0.73	--	<0.35	<0.35
Benzo (a) pyrene	50-32-8	--	<0.41	<0.35	--	<2.6	**1.3J**	<0.45	<0.42	<0.45	--	<0.22	<0.21
Benzo (b) fluoranthene	205-99-2	--	<0.41	<0.35	--	<3.6	**1.4J**	<0.61	<0.58	<0.61	--	<0.3	<0.29
Benzo (g,h,i) perylene	191-24-2	--	<0.41	<0.35	--	**4.7J**	**1.4J**	<0.54	<0.51	<0.54	--	<0.26	<0.26
Benzo (k) fluoranthene	207-08-9	--	<0.41	<0.35	--	<5	**1J**	<0.84	<0.8	<0.85	--	<0.41	<0.4
bis (2-Chloroethoxy) methane	111-91-1	--	<0.41	<0.35	--	<3.3	<0.65	<0.56	<0.53	<0.57	--	<0.27	<0.27
bis (2-Chloroethyl) ether	111-44-4	--	<0.41	<0.35	--	<3.9	<0.76	<0.66	<0.62	<0.66	--	<0.32	<0.31

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-18	A1-18	A1-18	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	102.5-105	105-107.5	110-112.5	2.5-5	6-8.5	11-13.5	28.5-31	28.5-31 DUP	33.5-36	36-38.5	42.5-45	58.5-60
	SAMPLE DATE:	9/24/04	9/24/04	9/24/04	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05	10/12/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270													
bis (2-ethylhexyl) phthalate	117-81-7	--	<0.41	<0.35	--	<5.2	<1	<0.89	<0.84	<0.9	--	**0.43UJ**	**0.42UJ**
Butylbenzyl phthalate	85-68-7	--	<0.41	<0.35	--	<3.7	<0.73	<0.63	<0.6	<0.64	--	<0.31	<0.3
Carbazole	86-74-8	--	<0.41	<0.35	--	<3.9	<0.76	**1.6J**	**1.1J**	<0.66	--	**0.59J**	**0.61J**
Chrysene	218-01-9	--	<0.41	<0.35	--	**7.4J**	**4J**	<0.59	<0.55	<0.59	--	**0.34J**	**0.35J**
Dibenzo (a,h) anthracene	53-70-3	--	<0.41	<0.35	--	<3.3	**0.67J**	<0.56	<0.53	<0.57	--	<0.27	<0.27
Dibenzofuran	132-64-9	--	<0.41	<0.35	--	<2.6	<0.51	<0.45	<0.42	<0.45	--	<0.22	<0.21
Diethyl phthalate	84-66-2	--	<0.41	<0.35	--	<3	<0.59	<0.52	<0.49	<0.52	--	<0.25	<0.25
Dimethylphthalate	131-11-3	--	<0.41	<0.35	--	<2.6	<0.51	<0.45	<0.42	<0.45	--	<0.22	<0.21
Di-n-butyl phthalate	84-74-2	--	<0.41	<0.35	--	<3.9	<0.76	<0.66	<0.62	<0.66	--	<0.32	<0.31
Dinitro-2-methylphenol,	534-52-1	--	<2.1	<1.8	--	<28	<5.4	<4.7	<4.4	<4.7	--	<2.3	<2.2
Di-n-octyl phthalate	117-84-0	--	<0.41	<0.35	--	<4.3	<0.84	<0.73	<0.69	<0.73	--	<0.35	<0.35
Fluoranthene	206-44-0	--	<0.41	<0.35	--	**7.1J**	**3.4J**	<0.61	<0.58	<0.61	--	<0.3	<0.29
Fluorene	86-73-7	--	<0.41	<0.35	--	<3	<0.59	**7.7J**	**4.9J**	**0.76J**	--	**0.58J**	<0.25
Hexachlorobenzene	118-74-1	--	<0.41	<0.35	--	<3.6	<0.7	**77**	**50**	**14**	--	**41**	**30**
Hexachlorobutadiene	87-68-3	--	<0.41	<0.35	--	<2.8	<0.54	<0.47	<0.44	<0.47	--	<0.23	<0.22
Hexachlorocyclopentadiene	77-47-4	--	<0.41	<0.35	--	<11	<2.2	<1.9	<1.8	<2	--	<0.95	<0.93
Hexachloroethane	67-72-1	--	<0.41	<0.35	--	<2.8	<0.54	<0.47	<0.44	<0.47	--	<0.23	<0.22
Indeno (1,2,3-cd) pyrene	193-39-5	--	<0.41	<0.35	--	**4.5J**	**1.1J**	<0.61	<0.58	<0.61	--	<0.3	<0.29
Isophorone	78-59-1	--	<0.41	<0.35	--	<3	<0.59	<0.52	<0.49	<0.52	--	<0.25	<0.25
Naphthalene	91-20-3	--	<0.41	<0.35	--	**50**	**25**	**9.3**	**8.4**	**2.2J**	--	**1.8J**	**2.4J**
Nitrobenzene	98-95-3	--	<0.41	<0.35	--	<4.8	<0.94	<0.82	<0.77	<0.83	--	<0.4	<0.39
Nitrosodiphenylamine	86-30-6	--	<0.41	<0.35	--	<3.2	<0.62	<0.54	<0.51	<0.54	--	<0.26	**0.83J**
n-Nitrosodi-n-propylamine	621-64-7	--	<0.41	<0.35	--	<3.9	<0.76	<0.66	<0.62	<0.66	--	<0.32	<0.31
o-Cresol (2-methylphenol)	95-48-7	--	<0.41	<0.35	--	<4.1	<0.81	<0.7	<0.66	<0.71	--	<0.34	<0.33
p-Chloroaniline	106-47-8	--	<0.81	<0.71	--	**59J**	**4.3J**	**2.2J**	**2.8J**	<0.61	--	<0.3	<0.29
Pentachlorophenol	87-86-5	--	<2.1	<1.8	--	<11	**10J**	**41**	**26J**	**3J**	--	<0.95	<0.93
Phenanthrene	85-01-8	--	<0.41	<0.35	--	**11J**	**5.6J**	**0.96J**	**0.7J**	<0.69	--	**0.54J**	**0.41J**
Phenols	108-95-2	--	<0.41	<0.35	--	<4.1	**4.3J**	<0.7	<0.66	<0.71	--	<0.34	<0.33
Pyrene	129-00-0	--	<0.41	<0.35	--	**7.9J**	**3.5J**	**0.57J**	<0.44	<0.47	--	**0.29J**	**0.26J**
Total SVOC's		**NA**	**ND**	**ND**	**NA**	**410**	**230**	**430**	**175**	**39**	**NA**	**59**	**96**
Total Organic Carbon by EPA Method 9060													
		<1000	**580B**	<1000	**69000**	**120000**	**88000**	**6000**	**4500**	**3600**	**1300**	**3200**	**2500**

Notes are on the last page of the table.

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	66.5-68	76-78.5	78.5-80	88-90.5	93.5-96	100-102.5
	SAMPLE DATE:	10/13/05	10/13/05	10/13/05	10/13/05	10/13/05	10/13/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270							
Dinoseb	88-85-7	<0.98	<0.98	--	<0.97	<4.9	<10
1,2,4-Trichlorobenzene	120-82-1	**12**	**3.8J**	--	**5.9**	**42**	**520**
1,2-Dichlorobenzene	95-50-1	<0.27	<0.27	--	**0.3J**	**3.5J**	<2.8
1,3-Dichlorobenzene	541-73-1	<0.31	<0.31	--	<0.31	**1.8J**	**3.4J**
1,4-Dichlorobenzene	106-46-7	**9.4**	**4.2**	--	**14**	**240**	**560**
2,4,5-Trichlorophenol	95-95-4	<0.38	<0.38	--	<0.38	<1.9	<4
2,4,6-Trichlorophenol	88-06-2	<0.24	<0.24	--	<0.23	<1.2	<2.5
2,4-Dichlorophenol	120-83-2	<0.27	<0.27	--	<0.27	<1.4	<2.8
2,4-Dimethylphenol	105-67-9	<0.41	<0.41	--	<0.41	<2.1	<4.3
2,4-Dinitrophenol	51-28-5	<2	<2	--	<2	<10	<21
2,4-Dinitrotoluene	121-14-2	<0.22	<0.23	--	**2J**	<1.1	<2.4
2,6-Dinitrotoluene	606-20-2	<0.39	<0.39	--	<0.39	<2	<4.1
2-Chloronaphthalene	91-58-7	<0.28	<0.28	--	<0.28	<1.4	<3
2-Chlorophenol	95-57-8	<0.32	<0.32	--	<0.32	<1.6	<3.3
2-Methylnaphthalene	91-57-6	<0.28	<0.28	--	<0.28	<1.4	<3
2-Nitroaniline	88-74-4	<0.27	<0.27	--	<0.27	<1.4	<2.8
2-Nitrophenol	88-75-5	<0.24	<0.24	--	<0.23	<1.2	<2.5
3- and 4-Methylphenol	106-44-5	<0.34	<0.34	--	<0.34	<1.7	<3.6
3,3-Dichlorobenzidine	91-94-1	<0.35	<0.36	--	<0.35	<1.8	<3.7
3-Nitroaniline	99-09-2	<0.39	<0.39	--	<0.39	<2	<4.1
4-Bromophenylphenyl ether	101-55-3	<0.37	<0.37	--	<0.36	<1.8	<3.8
4-Chloro-3-methylphenol	59-50-7	<0.4	<0.4	--	<0.4	<2	<4.2
4-Chlorophenylphenyl ether	7005-72-3	<0.22	<0.23	--	<0.22	<1.1	<2.4
4-Nitroaniline	100-01-6	<0.2	<0.2	--	<0.2	<1	<2.1
4-Nitrophenol	100-02-7	<2.5	<2.5	--	<2.5	<12	<26
Acenaphthene	83-32-9	<0.22	<0.23	--	<0.22	<1.1	<2.4
Acenaphthylene	208-96-8	<0.2	<0.2	--	<0.2	<1	<2.1
Anthracene	120-12-7	<0.27	<0.27	--	<0.27	<1.4	<2.8
Benzo (a) anthracene	56-55-3	<0.37	<0.37	--	<0.36	<1.8	<3.8
Benzo (a) pyrene	50-32-8	<0.22	<0.23	--	<0.22	<1.1	<2.4
Benzo (b) fluoranthene	205-99-2	<0.31	<0.31	--	<0.31	<1.5	<3.2
Benzo (g,h,i) perylene	191-24-2	<0.27	<0.27	--	<0.27	<1.4	<2.8
Benzo (k) fluoranthene	207-08-9	<0.42	<0.43	--	<0.42	<2.1	<4.5
bis (2-Chloroethoxy) methane	111-91-1	<0.28	<0.28	--	<0.28	<1.4	<3
bis (2-Chloroethyl) ether	111-44-4	<0.33	<0.33	--	<0.33	<1.7	<3.5

Table D-2
Total SVOC Concentrations on Soil

GROUNDWATER SERVICES, INC.

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

	BORING ID:	A1-19	A1-19	A1-19	A1-19	A1-19	A1-19
	SAMPLE DEPTH (FT BGS):	66.5-68	76-78.5	78.5-80	88-90.5	93.5-96	100-102.5
	SAMPLE DATE:	10/13/05	10/13/05	10/13/05	10/13/05	10/13/05	10/13/05
Analyte	**CAS No.**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Semi-Volatile Organic Compounds, EPA Method 8270							
bis (2-ethylhexyl) phthalate	117-81-7	**0.45UJ**	**0.45UJ**	--	**0.45UJ**	<2.3	<4.7
Butylbenzyl phthalate	85-68-7	<0.32	<0.32	--	<0.32	<1.6	<3.3
Carbazole	86-74-8	<0.33	<0.33	--	<0.33	<1.7	<3.5
Chrysene	218-01-9	**0.41J**	<0.3	--	**0.62J**	**1.9J**	**3.5J**
Dibenzo (a,h) anthracene	53-70-3	<0.28	<0.28	--	<0.28	<1.4	<3
Dibenzofuran	132-64-9	<0.22	<0.23	--	<0.22	<1.1	<2.4
Diethyl phthalate	84-66-2	<0.26	<0.26	--	<0.26	<1.3	<2.7
Dimethylphthalate	131-11-3	<0.22	<0.23	--	<0.22	<1.1	<2.4
Di-n-butyl phthalate	84-74-2	<0.33	<0.33	--	<0.33	<1.7	<3.5
Dinitro-2-methylphenol,	534-52-1	<2.4	<2.4	--	<2.3	<12	<25
Di-n-octyl phthalate	117-84-0	<0.37	<0.37	--	<0.36	<1.8	<3.8
Fluoranthene	206-44-0	<0.31	<0.31	--	<0.31	<1.5	<3.2
Fluorene	86-73-7	**0.28J**	<0.26	--	**0.37J**	<1.3	<2.7
Hexachlorobenzene	118-74-1	**35**	**12**	--	**39**	**120**	**180**
Hexachlorobutadiene	87-68-3	<0.24	<0.24	--	<0.23	<1.2	<2.5
Hexachlorocyclopentadiene	77-47-4	<0.98	<0.98	--	<0.97	<4.9	<10
Hexachloroethane	67-72-1	<0.24	<0.24	--	<0.23	<1.2	<2.5
Indeno (1,2,3-cd) pyrene	193-39-5	<0.31	<0.31	--	<0.31	<1.5	<3.2
Isophorone	78-59-1	<0.26	<0.26	--	<0.26	<1.3	<2.7
Naphthalene	91-20-3	**0.53J**	<0.23	--	<0.22	**3.1J**	**2.9J**
Nitrobenzene	98-95-3	<0.41	<0.41	--	<0.41	<2.1	<4.3
Nitrosodiphenylamine	86-30-6	<0.27	<0.27	--	<0.27	<1.4	<2.8
n-Nitrosodi-n-propylamine	621-64-7	<0.33	<0.33	--	<0.33	<1.7	<3.5
o-Cresol (2-methylphenol)	95-48-7	<0.35	<0.36	--	<0.35	<1.8	<3.7
p-Chloroaniline	106-47-8	<0.31	<0.31	--	<0.31	<1.5	<3.2
Pentachlorophenol	87-86-5	<0.98	<0.98	--	<0.97	<4.9	<10
Phenanthrene	85-01-8	**0.62J**	<0.34	--	**0.79J**	**2.3J**	<3.6
Phenols	108-95-2	<0.35	<0.36	--	<0.35	<1.8	<3.7
Pyrene	129-00-0	**0.29J**	<0.24	--	**0.45J**	**1.6J**	**2.7J**
Total SVOC's		**59**	**21**	**NA**	**64**	**416**	**1300**
Total Organic Carbon by EPA Method 9060							
		1400	**1100**	**2200**	**1500**	**5100**	**5300**

Notes are on the last page of the table.

Table D-2
Total SVOC and TOC Concentrations on Soil

DNAPL Characterization Study
Sauget Area 1, Sauget, Illinois

GROUNDWATER SERVICES, INC.

Notes:
1. All soil samples were analyzed by Severn Trent Laboratories (STL), Savannah, Georgia.
2. Detected analytes are presented in bold type.
3. J = Analyted detected below quantitation limits. < = Analyte not detected at the specified reporting limit. ND = Not detected.
4. B = Analyte was detected in the method blank sample, organic only.
5. B = Reported value was less than the reporting limit but greater than the method detection limit, inorganic only.