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17602

Sauget Area 2 Sites Group

March 27th, 2003

Nabil Fayoumi
Remedial Project Manager
USEPA
77 W. Jackson Blvd. (SR-6J)
Chicago, IL 60604-3590

RE: Sauget Area 2 Deliver by Overnight Mail

Dear Nabil:

Attached are two copies of the Data Report for the Sauget Area 2 Remedial Investigation. Copies are also being mailed directly to the following individuals:

2 copies	Sandra Bron
1 copy	Kevin de la Bruere
1 copy	Mike Henry
1 copy	Peter Barrett

If you have any questions on this document please advise.

Sincerely,

Steven D. Smith
Project Coordinator

cc: Sandra Bron - Illinois EPA
Kevin de la Bruere - U.S. Fish & Wildlife
Mike Henry - Illinois Department of Natural Resources
Peter Barrett - CH2M Hill
SA2SG File

RI/FS Support Sampling Plan

Sauget Area 2 Sites

Sauget, Illinois

Data Report

April 1, 2003

Submitted To:

U.S. Environmental Protection Agency

Submitted By:

Sauget Area 2 Sites Group

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(Note: No figures in this section.)

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SCALE FEET

Revision No.	Description	Date	By	App.

REVISIONS

SAUGET AREA 2
RI/FS DATA REPORT
SAUGET ILLINOIS

Sample Location Map

Date: 3/27/03	Project Number: 2320010024.02	Figure Number: A
Drawn by: djd	Design by: sjs	Checked by:

URS

[redacted]

[redacted]

Section 1

Table 1-1
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8260 - Volatile Organic Compounds

Sample ID	WASTE-O-1-4FT	Waste-O-2-7FT	Waste-O-3-9FT	WASTE-P-1-15FT	WASTE-P-2-6FT	WASTE-P-3-22FT	WASTE-P-4-17	WASTE-Q-1-5FT	WASTE-Q-10-8
Sample Date	7/2/02	7/1/02	7/1/02	07/16/02	07/16/02	7/17/02	07/16/02	07/26/02	07/26/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,1,1-Trichloroethane	4100 J	17000	1900 J	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,1,2,2-Tetrachloroethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,1,2-Trichloroethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,1-Dichloroethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,1-Dichloroethylene	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,2-Dichloroethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
1,2-Dichloroethene (total)	10000 U	6400 U	5100 U	570 U	750 J	2300 U	750 U	19 U	13 UJ
1,2-Dichloropropane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
2-Butanone (MEK)	26000 U	16000 U	13000 U	1400 U	3600 UJ	2500 J	1200 J	6.6 J	33 UJ
4-Methyl-2-pentanone (MIBK)	26000 U	16000 U	13000 U	530 J	3600 UJ	670 J	660 J	47 U	33 UJ
Acetone	53000 R	32000 R	25000 U	4300 J	4200 J	11000 R	2100 J	22 J	66 UJ
Benzene	69000	500000	78000	700	710 UJ	780 J	2300	24 J	0.62 J
Bromodichloromethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Bromoform	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Bromomethane	10000 U	6400 U	5100 R	570 U	1400 UJ	2300 U	750 U	19 U	13 UJ
Carbon Disulfide	2200 J	3200 U	2500 U	2000	710 UJ	1100 U	380 U	3.3 J	0.95 J
Carbon Tetrachloride	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Chlorobenzene	480000	760000	560000 J	290 U	3300 J	1100 U	3500	7.8 J	3.8 J
Chlorodibromomethane	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Chloroethane	10000 U	6400 U	5100 U	570 U	1400 UJ	2300 U	750 U	19 U	13 UJ
Chloroform	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	0.9 J	6.6 UJ
Chloromethane	10000 U	6400 U	1800 J	570 U	1400 UJ	2300 U	750 U	19 U	13 UJ
cis-1,3-Dichloropropene	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Dichloromethane	23000	14000	9200	220 U	710 UJ	1100 U	240 U	9.1 J	6.6 UJ
Ethylbenzene	750000	2800000	110000	590	2500 J	78000	3600	7 J	0.94 J
Methyl N-Butyl Ketone	26000 U	16000 U	13000 U	1400 U	3600 UJ	5700 U	1900 U	47 U	33 UJ
Styrene (Monomer)	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	0.69 J	0.37 J
Tetrachloroethene	6800	3000 J	2400 J	290 U	140000 J	670 J	2500	9.9 J	1 J
Toluene	89000	390000	27000	24000	1900 J	2300	4400	25 J	6.6 UJ
trans-1,3-Dichloropropene	5300 U	3200 U	2500 U	290 U	710 UJ	1100 U	380 U	9.4 U	6.6 UJ
Trichloroethylene	5300 U	3200 U	2500 U	76 J	990 J	1100 U	140 J	2.2 J	13 J
Vinyl chloride	10000 U	6400 U	5100 U	570 U	1400 UJ	2300 U	750 U	19 U	13 UJ
Xylenes, Total	3900000	14000000	780000	2400	8100 J	380000	18000	40 J	2.8 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-1
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8260 - Volatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-10-8-DUP 07/26/02 ug/kg	WASTE-Q-11-8 07/22/02 ug/kg	WASTE-Q-12-4 07/22/02 ug/kg	WASTE-Q-12-4-DUP 07/22/02 ug/kg	WASTE-Q-2-8FT 7/18/02 ug/kg	WASTE-Q-3-6FT 07/17/02 ug/kg	WASTE-Q-4-9 07/18/02 ug/kg	WASTE-Q-5-8 07/17/02 ug/kg
1,1,1-Trichloroethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
1,1,2,2-Tetrachloroethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
1,1,2-Trichloroethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
1,1-Dichloroethane	12 U	0.97 J	12 U	14 U	660 J	8.5 U	8.9 U	7.4 U
1,1-Dichloroethylene	12 U	11 U	12 U	14 U	520 J	8.5 U	8.9 U	7.4 U
1,2-Dichloroethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
1,2-Dichloroethene (total)	25 U	1.2 J	25 U	3.6 J	1400 J	17 U	18 U	15 U
1,2-Dichloropropane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
2-Butanone (MEK)	38 J	25 J	5.8 J	68 U	2000 J	42 U	44 U	37 U
4-Methyl-2-pentanone (MIBK)	62 U	57 U	62 U	68 U	6000 U	42 U	44 U	37 U
Acetone	280 J	59 J	120 U	140 U	12000 R	85 U	49 J	19 J
Benzene	1.1 J	170	12 U	1.4 J	870 J	1.5 J	8.9 U	7.4 U
Bromodichloromethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Bromoform	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Bromomethane	25 U	23 U	25 U	27 U	2400 U	17 U	18 U	15 U
Carbon Disulfide	4.6 J	4.5 J	12 U	14 U	970 J	5.8 J	1 J	1.4 J
Carbon Tetrachloride	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Chlorobenzene	34 J	3500	12 U	14 U	8200	8.5 U	3.7 J	7.4 U
Chlorodibromomethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Chloroethane	25 U	32	25 U	27 U	2400 U	17 U	18 U	15 U
Chloroform	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Chloromethane	25 U	23 U	25 U	27 U	900 J	17 U	18 U	15 U
cis-1,3-Dichloropropene	12 U	11 U	12 U	14 U	360 J	8.5 U	8.9 U	7.4 U
Dichloromethane	12 U	11 U	12 U	14 U	1200 U	8.5 U	8.9 U	7.4 U
Ethylbenzene	1.9 J	690	2 J	3.8 J	40000	8.5 U	0.79 J	7.4 U
Methyl N-Butyl Ketone	62 U	57 U	62 U	68 U	6000 U	42 U	44 U	37 U
Styrene (Monomer)	1.8 J	11 U	0.96 J	1.3 J	1200 U	8.5 U	0.39 J	7.4 U
Tetrachloroethene	2.1 J	3.6 J	3 J	2.9 J	1100 J	0.58 J	1.1 J	0.47 J
Toluene	12 U	420	12 U	4.6 J	16000	8.5 U	8.9 U	7.4 U
trans-1,3-Dichloropropene	12 U	11 U	12 U	14 U	310 J	8.5 U	8.9 U	7.4 U
Trichloroethylene	2.2 J	1.7 J	1.6 J	1.2 J	660 J	0.55 J	1.2 J	0.56 J
Vinyl chloride	25 U	23 U	25 U	27 U	600 J	17 U	18 U	15 U
Xylenes, Total	6 J	3900	12 J	18 J	300000	17 U	6 J	15 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-1
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8260 - Volatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-6-15 07/19/02 ug/kg	WASTE-Q-6-15-DUP 07/19/02 ug/kg	WASTE-Q-7-9 07/19/02 ug/kg	WASTE-Q-8-7 07/19/02 ug/kg	WASTE-Q-9-8 07/26/02 ug/kg	WASTE-R-1-19FT 07/11/02 ug/kg	WASTE-R-2-20FT 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg
1,1,1-Trichloroethane	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
1,1,2,2-Tetrachloroethane	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
1,1,2-Trichloroethane	240 U	260 U	13 U	6.9 UJ	9.3 U	9500 J	3100 U	6100 U
1,1-Dichloroethane	240 U	260 U	13 U	6.9 UJ	9.3 U	11000 J	3100 U	6100 U
1,1-Dichloroethylene	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
1,2-Dichloroethane	240 U	260 U	13 U	6.9 UJ	9.3 U	12000 J	73000	28000
1,2-Dichloroethene (total)	490 U	510 U	25 U	120 J	19 U	4600 J	6200 U	12000 J
1,2-Dichloropropane	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
2-Butanone (MEK)	1200 U	1300 U	13 J	35 UJ	47 U	84000	6300 J	9200 J
4-Methyl-2-pentanone (MIBK)	1200 U	1300 U	63 U	35 UJ	47 U	43000 J	1800 J	30000 U
Acetone	1400 J	1700 J	27 J	69 UJ	93 UJ	180000 J	31000 R	39000 J
Benzene	250	420	26	250 J	9.3 U	150000	110000	28000
Bromodichloromethane	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Bromoform	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Bromomethane	490 U	510 U	25 U	14 UJ	19 U	32000 U	6200 U	12000 U
Carbon Disulfide	240 U	270	2.2 J	12 J	9.3 U	16000 U	3100 U	6100 U
Carbon Tetrachloride	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Chlorobenzene	2100	4400	1900	220 J	9.3 UJ	2400000	220000	120000
Chlorodibromomethane	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Chloroethane	490 U	510 U	25 U	14 UJ	19 U	32000 U	6200 U	12000 U
Chloroform	240 U	260 U	13 U	6.9 UJ	9.3 U	9800 J	5600	11000
Chloromethane	490 U	510 U	25 U	14 UJ	19 U	32000 U	6200 U	12000 U
cis-1,3-Dichloropropene	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Dichloromethane	240 U	260 U	13 U	6.9 UJ	9.3 U	24000 U	2200 U	13000 U
Ethylbenzene	630	900	6.1 J	1400	9.3 U	21000	42000	12000
Methyl N-Butyl Ketone	1200 U	1300 U	63 U	35 UJ	47 U	80000 U	15000 U	30000 U
Styrene (Monomer)	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Tetrachloroethene	240 U	260 U	0.78 J	15 J	0.76 J	880000	2000 J	1200000
Toluene	3100	8800	13 U	6300	9.3 U	410000	340000	830000
trans-1,3-Dichloropropene	240 U	260 U	13 U	6.9 UJ	9.3 U	16000 U	3100 U	6100 U
Trichloroethylene	240 U	260 U	0.92 J	29 J	1.6 J	29000	3100 U	2200000
Vinyl chloride	490 U	510 U	25 U	3.1 J	19 U	32000 U	6200 U	12000 U
Xylenes, Total	6900	8200	99	10000	19 U	97000	280000	43000

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-1
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8260 - Volatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-R-4-24FT 07/12/02 ug/kg	WASTE-S-1-6FT 07/01/02 ug/kg	WASTE-S-2-6FT 07/01/02 ug/kg
1,1,1-Trichloroethane	3400 U	220000	1200
1,1,2,2-Tetrachloroethane	3400 U	7700 U	560 U
1,1,2-Trichloroethane	3400 U	7700 U	560 U
1,1-Dichloroethane	3400 U	6600 J	560 U
1,1-Dichloroethylene	3400 U	4800 J	560 U
1,2-Dichloroethane	3400 U	7700 U	560 U
1,2-Dichloroethene (total)	6800 U	15000 U	1100 J
1,2-Dichloropropane	3400 U	7700 U	560 U
2-Butanone (MEK)	5900 J	280000	3400
4-Methyl-2-pentanone (MIBK)	17000 U	400000	13000
Acetone	31000 J	150000 J	10000 J
Benzene	4200	34000	560 U
Bromodichloromethane	3400 U	7700 U	560 U
Bromoform	3400 U	7700 U	560 U
Bromomethane	6800 U	15000 U	1100 U
Carbon Disulfide	3400 U	7700 U	560 U
Carbon Tetrachloride	3400 U	7700 U	560 U
Chlorobenzene	31000	390000	190 J
Chlorodibromomethane	3400 U	7700 U	560 U
Chloroethane	6800 U	15000 U	1100 U
Chloroform	3400 U	7700 U	560 U
Chloromethane	6800 U	15000 U	1100 U
cis-1,3-Dichloropropene	3400 U	7700 U	560 U
Dichloromethane	2900 U	57000	2600
Ethylbenzene	25000	1100000	58000
Methyl N-Butyl Ketone	17000 U	39000 U	2800 U
Styrene (Monomer)	3400 U	7700 U	560 U
Tetrachloroethene	2300 J	28000	11000
Toluene	360000	6000000	210000
trans-1,3-Dichloropropene	3400 U	7700 U	560 U
Trichloroethylene	1200 J	240000	1300
Vinyl chloride	6800 U	15000 U	1100 U
Xylenes, Total	110000	7300000	310000

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 ug/kg	Waste-O-2-COMP 07/01/02 ug/kg	Waste-O-3-COMP 07/01/02 ug/kg	WASTE-P-1-COMP 07/16/02 ug/kg	WASTE-P-2-COMP 07/16/02 ug/kg	WASTE-P-3-COMP 07/17/02 ug/kg
1,2,4-Trichlorobenzene	86000 J	400 U	23000	3700 U	2200 UJ	3800 U
1,2-Dichlorobenzene	220000	400 U	76000	560 J	6800 J	1200 J
1,3-Dichlorobenzene	5600 J	400 U	3000 J	3700 U	2200 UJ	3800 U
1,4-Dichlorobenzene	71000 J	400 U	46000	1400 J	65000	39000
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2,4,5-Trichlorophenol	1000 UJ	400 U	500 J	3700 U	2200 UJ	3800 U
2,4,6-Trichlorophenol	11000 J	400 U	5400	3700 U	2200 UJ	3800 U
2,4-Dichlorophenol	11000 J	400 U	8100	300 J	2200 UJ	16000
2,4-Dimethylphenol	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2,4-Dinitrophenol	12000 UJ	2000 U	21000 U	19000 U	11000 UJ	20000 U
2,4-Dinitrotoluene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2,6-Dinitrotoluene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2-Chloronaphthalene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2-Chlorophenol	3000 J	400 U	4800	3700 U	2200 UJ	430 J
2-Methylnaphthalene	48000 J	140 J	18000	3700 U	2200 UJ	3800 U
2-Methylphenol (o-Cresol)	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
2-Nitroaniline	12000 UJ	2000 U	2500 J	19000 U	11000 UJ	20000 U
2-Nitrophenol	2200 J	400 U	4000 U	3700 U	2200 UJ	3800 U
3,3'-Dichlorobenzidine	4600 UJ	800 U	8000 U	7300 U	4400 UJ	7700 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	3200 J	400 U	770 J	3700 U	2200 UJ	3800 U
3-Nitroaniline	12000 UJ	2000 U	21000 U	19000 U	11000 UJ	20000 U
4,6-Dinitro-2-methylphenol	12000 UJ	2000 U	21000 U	19000 U	11000 UJ	20000 U
4-Bromophenyl Phenyl Ether	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
4-Chloro-3-methylphenol	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
4-Chlorophenyl Phenyl Ether	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
4-Nitrophenol	12000 UJ	2000 U	21000 U	19000 U	11000 UJ	20000 U
Acenaphthene	1800 J	400 U	970 J	3700 U	2200 UJ	3800 U
Acenaphthylene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Anthracene	28000 J	400 U	1500 J	3700 U	2200 UJ	3800 U
Benzo(a)anthracene	10000 J	200 J	12000	3700 U	2200 UJ	3800 U
Benzo(a)pyrene	11000 J	130 J	6800	3700 U	2200 UJ	3800 U
Benzo(b)fluoranthene	6300 J	120 J	7900	3700 U	2200 UJ	3800 U
Benzo(g,h,i)perylene	2600 J	96 J	6000	3700 U	2200 UJ	3800 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 ug/kg	Waste-O-2-COMP 07/01/02 ug/kg	Waste-O-3-COMP 07/01/02 ug/kg	WASTE-P-1-COMP 07/16/02 ug/kg	WASTE-P-2-COMP 07/16/02 ug/kg	WASTE-P-3-COMP 07/17/02 ug/kg
Benzo(k)fluoranthene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Benzyl Butyl Phthalate	35000 J	400 U	860 J	3700 U	2200 UJ	3800 U
bis(2-Chloroethoxy)methane	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
bis(2-Chloroethyl)ether	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
bis(2-Ethylhexyl)phthalate	880 UJ	66 J	1600 J	3700 U	2200 UJ	1700 J
Carbazole	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Chrysene	23000 J	470	23000	3700 U	2200 UJ	3800 U
Di-n-butylphthalate	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Di-n-octylphthalate	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Dibenzo(a,h)anthracene	1600 J	400 U	3000 J	3700 U	2200 UJ	3800 U
Dibenzofuran	2300 UJ	400 U	4000 U	3700 U	2200 UJ	980 J
Diethyl Phthalate	2300 UJ	400 U	4000 U	3700 U	16000 J	3800 U
Dimethyl Phthalate	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Dinoseb	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Fluoranthene	3400 J	51 J	2500 J	3700 U	2200 UJ	430 J
Fluorene	3400 J	400 U	1900 J	3700 U	2200 UJ	3800 U
Hexachlorobenzene	2300 UJ	400 U	1000 J	3700 U	2200 UJ	3800 U
Hexachlorobutadiene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Hexachlorocyclopentadiene	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Hexachloroethane	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Indeno(1,2,3-cd)pyrene	620 J	400 U	1500 J	3700 U	2200 UJ	3800 U
Isophorone	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
N-Nitroso-di-n-propylamine	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
N-Nitrosodiphenylamine	2300 UJ	400 U	4000 U	3700 U	2200 UJ	3800 U
Naphthalene	14000 J	400 U	5800	3700 U	2200 UJ	8000
Nitrobenzene	2300 UJ	400 U	1600 J	3700 U	2200 UJ	3800 U
P-Chloroaniline	4600 UJ	800 U	8000 U	7300 U	4400 UJ	15000
P-Nitroaniline	29000 J	2000 U	1800 J	19000 U	11000 UJ	20000 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR
Phenanthrene	23000 J	310 J	13000	400 J	400 J	790 J
Phenol	7700 J	400 U	5700	3700 U	1000 J	3200 J
Pyrene	26000 J	460	21000	3700 U	2200 UJ	600 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-P-4-COMP 07/16/02 ug/kg	WASTE-Q-1-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP-DUP 07/26/02 ug/kg	WASTE-Q-11-COMP 07/22/02 ug/kg
1,2,4-Trichlorobenzene	4200 U	10000	460 U	420 U	4600 U
1,2-Dichlorobenzene	4200 U	9700	460 U	420 U	4600 U
1,3-Dichlorobenzene	4200 U	4000 U	460 U	420 U	4600 U
1,4-Dichlorobenzene	4200 U	2500 J	460 U	420 U	4600 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	4200 U	4000 U	460 U	420 U	4600 U
2,4,5-Trichlorophenol	4200 U	4000 U	460 U	420 U	4600 U
2,4,6-Trichlorophenol	4200 U	47000	460 U	420 U	4600 U
2,4-Dichlorophenol	4200 U	270000	460 U	420 U	4600 U
2,4-Dimethylphenol	4200 U	4000 U	460 U	420 U	4600 U
2,4-Dinitrophenol	22000 U	21000 R	2400 R	NR	24000 U
2,4-Dinitrotoluene	4200 U	4000 U	460 U	420 U	4600 U
2,6-Dinitrotoluene	4200 U	4000 U	460 U	420 U	4600 U
2-Chloronaphthalene	4200 U	4000 U	460 U	420 U	4600 U
2-Chlorophenol	4200 U	1700 J	460 U	420 U	4600 U
2-Methylnaphthalene	470 J	250 J	460 U	420 U	440 J
2-Methylphenol (o-Cresol)	4200 U	4000 U	460 U	420 U	4600 U
2-Nitroaniline	22000 U	20000 J	2400 U	2200 U	24000 U
2-Nitrophenol	4200 U	4000 U	460 U	420 U	4600 U
3,3'-Dichlorobenzidine	8400 U	8000 U	920 U	840 UJ	9300 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	4200 U	4000 U	460 U	420 U	4600 U
3-Nitroaniline	22000 U	21000 U	2400 U	2200 U	24000 U
4,6-Dinitro-2-methylphenol	22000 U	21000 U	2400 U	2200 U	24000 U
4-Bromophenyl Phenyl Ether	4200 U	4000 U	460 U	420 U	4600 U
4-Chloro-3-methylphenol	4200 U	4000 U	460 U	420 U	4600 U
4-Chlorophenyl Phenyl Ether	4200 U	4000 U	460 U	420 U	4600 U
4-Nitrophenol	22000 U	21000 U	2400 U	2200 U	24000 U
Acenaphthene	720 J	4000 U	460 U	420 U	570 J
Acenaphthylene	4200 U	4000 U	460 U	420 U	4600 U
Anthracene	4200 U	4000 U	66 J	66 J	830 J
Benzo(a)anthracene	490 J	510 J	190 J	210 J	480 J
Benzo(a)pyrene	4200 U	4000 U	200 J	420 UJ	4600 U
Benzo(b)fluoranthene	540 J	370 J	460 U	420 UJ	440 J
Benzo(g,h,i)perylene	280 J	4000 U	460 U	420 UJ	4600 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-P-4-COMP 07/16/02 ug/kg	WASTE-Q-1-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP-DUP 07/26/02 ug/kg	WASTE-Q-11-COMP 07/22/02 ug/kg
Benzo(k)fluoranthene	440 J	280 J	300 J	440 J	370 J
Benzyl Butyl Phthalate	370 J	4000 U	80 J	82 J	10000
bis(2-Chloroethoxy)methane	4200 U	4000 U	460 U	420 U	4600 U
bis(2-Chloroethyl)ether	4200 U	4000 U	460 U	420 U	4600 U
bis(2-Ethylhexyl)phthalate	730 J	4200	160 J	220 J	18000
Carbazole	4200 U	4000 U	460 U	420 U	4600 U
Chrysene	640 J	680 J	200 J	290 J	540 J
Di-n-butylphthalate	4200 U	4000 U	460 U	420 U	660 J
Di-n-octylphthalate	4200 U	4000 U	460 U	420 UJ	4600 U
Dibenzo(a,h)anthracene	4200 U	4000 U	460 U	420 UJ	4600 U
Dibenzofuran	520 J	4000 U	460 U	420 U	4600 U
Diethyl Phthalate	4200 U	540 J	460 U	420 U	4600 U
Dimethyl Phthalate	4200 U	4000 U	460 U	26 J	4600 U
Dinoseb	4200 U	4000 U	460 U	420 UJ	4600 U
Fluoranthene	1500 J	1200 J	320 J	350 J	1900 J
Fluorene	630 J	4000 U	460 U	420 U	760 J
Hexachlorobenzene	4200 U	4000 U	460 U	420 U	4600 U
Hexachlorobutadiene	4200 U	4000 U	460 U	420 U	4600 U
Hexachlorocyclopentadiene	4200 U	4000 R	460 R	NR	4600 U
Hexachloroethane	4200 U	4000 U	460 U	420 U	4600 U
Indeno(1,2,3-cd)pyrene	4200 U	4000 U	460 U	420 UJ	4600 U
Isophorone	4200 U	4000 U	460 U	420 U	4600 U
N-Nitroso-di-n-propylamine	4200 U	4000 U	460 U	420 U	4600 U
N-Nitrosodiphenylamine	4200 U	4000 U	460 U	420 U	4600 U
Naphthalene	760 J	5600	460 U	420 U	4600 U
Nitrobenzene	4200 U	1900 J	460 U	420 U	4600 U
P-Chloroaniline	870 J	10000	920 U	840 U	9300 U
P-Nitroaniline	22000 U	21000 U	2400 U	2200 U	24000 U
Pentachlorophenol	NR	89000 J	NR	NR	NR
Phenanthrene	1800 J	1200 J	320 J	280 J	3300 J
Phenol	360 J	1200 J	460 U	420 U	4600 U
Pyrene	1400 J	4000 U	670	770 J	1800 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-12-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP-DUP 7/22/02 ug/kg	WASTE-Q-2-COMP 7/18/02 ug/kg	WASTE-Q-3-COMP 07/17/02 ug/kg	WASTE-Q-4-COMP 07/18/02 ug/kg	WASTE-Q-5-COMP 07/17/02 ug/kg
1,2,4-Trichlorobenzene	110 J	100 J	5400	1900 U	1800 UJ	2000 U
1,2-Dichlorobenzene	390 U	430 U	630 J	1900 U	1800 UJ	2000 U
1,3-Dichlorobenzene	390 U	430 U	51 J	1900 U	1800 UJ	2000 U
1,4-Dichlorobenzene	390 U	430 U	3200	1900 U	1800 UJ	2000 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
2,4,5-Trichlorophenol	390 U	430 U	180 J	1900 U	1800 U	2000 U
2,4,6-Trichlorophenol	390 U	430 U	1400	1900 U	1800 U	2000 U
2,4-Dichlorophenol	390 U	430 U	2900	1900 U	1800 U	2000 U
2,4-Dimethylphenol	390 U	430 U	800 U	1900 U	1800 U	2000 U
2,4-Dinitrophenol	2000 U	2200 U	4100 U	9600 U	9100 U	10000 U
2,4-Dinitrotoluene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
2,6-Dinitrotoluene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
2-Chloronaphthalene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
2-Chlorophenol	390 U	430 U	1700	1900 U	1800 U	2000 U
2-Methylnaphthalene	390 U	430 U	590 J	1900 U	1800 UJ	220 J
2-Methylphenol (o-Cresol)	390 U	430 U	800 U	1900 U	1800 U	2000 U
2-Nitroaniline	2000 U	2200 U	4100 U	9600 U	9100 UJ	10000 U
2-Nitrophenol	390 U	430 U	800 U	1900 U	1800 U	2000 U
3,3'-Dichlorobenzidine	780 U	870 U	1600 U	3800 U	3500 UJ	4000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	390 U	430 U	170 J	1900 U	1800 U	2000 U
3-Nitroaniline	2000 U	2200 U	4100 U	9600 U	9100 UJ	10000 U
4,6-Dinitro-2-methylphenol	2000 U	2200 U	4100 U	9600 U	9100 U	10000 U
4-Bromophenyl Phenyl Ether	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
4-Chloro-3-methylphenol	390 U	430 U	800 U	1900 U	1800 U	2000 U
4-Chlorophenyl Phenyl Ether	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
4-Nitrophenol	2000 U	2200 U	4100 U	9600 U	9100 U	10000 U
Acenaphthene	390 U	430 U	800 U	230 J	1800 UJ	410 J
Acenaphthylene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Anthracene	110 J	430 U	74 J	780 J	1800 UJ	1200 J
Benzo(a)anthracene	190 J	130 J	800 U	1800 J	380 J	2100
Benzo(a)pyrene	180 J	140 J	340 J	1700 J	420 J	1900 J
Benzo(b)fluoranthene	200 J	160 J	390 J	1800 J	480 J	1800 J
Benzo(g,h,i)perylene	110 J	85 J	300 J	640 J	240 J	830 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-12-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP-DUP 7/22/02 ug/kg	WASTE-Q-2-COMP 7/18/02 ug/kg	WASTE-Q-3-COMP 07/17/02 ug/kg	WASTE-Q-4-COMP 07/18/02 ug/kg	WASTE-Q-5-COMP 07/17/02 ug/kg
Benzo(k)fluoranthene	170 J	140 J	320 J	1400 J	380 J	1900 J
Benzyl Butyl Phthalate	360 J	330 J	800 U	1900 U	120 J	2000 U
bis(2-Chloroethoxy)methane	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
bis(2-Chloroethyl)ether	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
bis(2-Ethylhexyl)phthalate	5800	5000	10000	1900 U	1400 J	2000 U
Carbazole	390 U	430 U	41 J	1900 U	1800 UJ	550 J
Chrysene	240 J	180 J	800 U	1900	450 J	2300
Di-n-butylphthalate	120 J	430 U	800 U	1900 U	1800 UJ	2000 U
Di-n-octylphthalate	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Dibenzo(a,h)anthracene	390 U	430 U	110 J	1900 U	1800 UJ	2000 U
Dibenzofuran	390 U	430 U	800 U	150 J	1800 UJ	410 J
Diethyl Phthalate	31 J	430 U	800 U	1900 U	1800 UJ	2000 U
Dimethyl Phthalate	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Dinoseb	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Fluoranthene	330 J	190 J	340 J	3600	880 J	4800
Fluorene	39 J	430 U	800 U	260 J	1800 UJ	460 J
Hexachlorobenzene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Hexachlorobutadiene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Hexachlorocyclopentadiene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Hexachloroethane	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Indeno(1,2,3-cd)pyrene	390 U	430 U	94 J	490 J	1800 UJ	640 J
Isophorone	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
N-Nitroso-di-n-propylamine	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
N-Nitrosodiphenylamine	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
Naphthalene	47 J	430 U	800 U	1900 U	1800 UJ	360 J
Nitrobenzene	390 U	430 U	800 U	1900 U	1800 UJ	2000 U
P-Chloroaniline	780 U	870 U	22000	3800 U	3500 UJ	4000 U
P-Nitroaniline	2000 U	2200 U	4100 U	9600 U	9100 UJ	10000 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR
Phenanthrene	620	320 J	440 J	2900	600 J	5500
Phenol	130 J	430 U	750 J	160 J	1800 U	2000 U
Pyrene	530	390 J	510 J	4300	1000 J	5500

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-6-COMP 07/19/02 ug/kg	WASTE-Q-6-COMP-DUP 07/19/02 ug/kg	WASTE-Q-7-COMP 7/19/02 ug/kg	WASTE-Q-8-COMP 7/19/02 ug/kg	WASTE-Q-9-COMP 7/26/02 ug/kg	WASTE-R-1-COMP 7/11/02 ug/kg
1,2,4-Trichlorobenzene	33 J	21 J	410 U	410 U	56 J	16000 J
1,2-Dichlorobenzene	400 U	400 U	410 U	410 U	500 U	43000
1,3-Dichlorobenzene	400 U	400 U	410 U	410 U	500 U	22000 U
1,4-Dichlorobenzene	100 J	59 J	110 J	140 J	500 U	24000
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	400 U	400 U	410 U	410 U	500 U	22000 U
2,4,5-Trichlorophenol	170 J	97 J	410 U	410 U	500 U	22000 U
2,4,6-Trichlorophenol	1400	940	410 U	410 U	500 U	89000
2,4-Dichlorophenol	400	280 J	410 U	410 U	500 U	270000
2,4-Dimethylphenol	400 U	400 U	410 U	410 U	500 U	22000 U
2,4-Dinitrophenol	2000 U	2000 U	2100 U	2100 UJ	2600 R	110000 U
2,4-Dinitrotoluene	400 U	400 U	410 U	410 U	500 U	22000 U
2,6-Dinitrotoluene	400 U	400 U	410 U	410 U	500 U	22000 U
2-Chloronaphthalene	400 U	400 U	410 U	410 U	500 U	22000 U
2-Chlorophenol	34 J	400 U	410 U	410 U	500 U	25000
2-Methylnaphthalene	1600	1000	78 J	150 J	500 U	22000 U
2-Methylphenol (o-Cresol)	400 U	400 U	410 U	410 U	500 U	22000 U
2-Nitroaniline	2000 U	2000 U	2100 U	2100 U	2600 U	110000 U
2-Nitrophenol	400 U	400 U	410 U	410 U	500 U	22000 U
3,3'-Dichlorobenzidine	800 U	800 U	820 U	810 U	1000 U	44000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	400 U	400 U	58 J	410 U	500 U	4200 J
3-Nitroaniline	2000 U	2000 U	2100 U	2100 U	2600 U	110000 U
4,6-Dinitro-2-methylphenol	2000 U	2000 U	2100 U	2100 U	2600 U	110000 U
4-Bromophenyl Phenyl Ether	400 U	400 U	410 U	410 U	500 U	22000 U
4-Chloro-3-methylphenol	400 U	400 U	410 U	410 U	500 U	22000 U
4-Chlorophenyl Phenyl Ether	400 U	400 U	410 U	410 U	500 U	22000 U
4-Nitrophenol	2000 U	2000 U	2100 U	2100 U	2600 U	110000 U
Acenaphthene	2200	1800	410 U	410 U	500 U	22000 U
Acenaphthylene	180 J	160 J	410 U	410 U	500 U	22000 U
Anthracene	3400	3000	410 U	410 U	90 J	22000 U
Benzo(a)anthracene	3500	2800	410 U	91 J	840	22000 U
Benzo(a)pyrene	2900	2400	410 U	410 U	500 U	22000 U
Benzo(b)fluoranthene	2700	2200	410 U	410 U	500 U	22000 U
Benzo(g,h,i)perylene	1400	960	410 U	33 J	500 U	2000 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-Q-6-COMP 07/19/02 ug/kg	WASTE-Q-6-COMP-DUP 07/19/02 ug/kg	WASTE-Q-7-COMP 7/19/02 ug/kg	WASTE-Q-8-COMP 7/19/02 ug/kg	WASTE-Q-9-COMP 7/26/02 ug/kg	WASTE-R-1-COMP 7/11/02 ug/kg
Benzo(k)fluoranthene	3000	2300	410 U	410 U	1600	22000 U
Benzyl Butyl Phthalate	420	250 J	210 J	410 U	520	22000 U
bis(2-Chloroethoxy)methane	400 U	400 U	410 U	410 U	500 U	22000 U
bis(2-Chloroethyl)ether	400 U	400 U	410 U	410 U	500 U	22000 U
bis(2-Ethylhexyl)phthalate	3600	1000	1600	470	1700	3000 J
Carbazole	2200	2400	410 U	410 U	500 U	22000 U
Chrysene	3400	2600	65 J	130 J	1000	22000 R
Di-n-butylphthalate	400 U	400 U	85 J	410 U	98 J	22000 U
Di-n-octylphthalate	400 U	400 U	410 U	410 U	500 U	22000 U
Dibenzo(a,h)anthracene	400 U	400 U	410 U	410 U	500 U	22000 U
Dibenzofuran	1900	1400	410 U	43 J	500 U	22000 U
Diethyl Phthalate	400 U	400 U	410 U	410 U	500 U	22000 U
Dimethyl Phthalate	400 U	400 U	410 U	410 U	500 U	22000 U
Dinoseb	400 U	88 J	410 U	410 U	500 UJ	22000 U
Fluoranthene	7200	7300	62 J	200 J	930	22000 U
Fluorene	3100	2500	410 U	41 J	500 U	22000 U
Hexachlorobenzene	400 U	400 U	410 U	410 U	500 U	22000 U
Hexachlorobutadiene	400 U	400 U	410 U	410 U	500 U	22000 U
Hexachlorocyclopentadiene	400 U	400 U	410 U	410 U	500 R	22000 U
Hexachloroethane	400 U	400 U	410 U	410 U	500 U	22000 U
Indeno(1,2,3-cd)pyrene	790	820	410 U	410 U	500 U	2000 J
Isophorone	400 U	400 U	410 U	410 U	500 U	22000 U
N-Nitroso-di-n-propylamine	400 U	400 U	410 U	410 U	500 U	22000 U
N-Nitrosodiphenylamine	400 U	400 U	410 U	410 U	500 U	2700 J
Naphthalene	4600	4100	46 J	86 J	500 U	6200 J
Nitrobenzene	400 U	400 U	410 U	410 U	500 U	48000
P-Chloroaniline	800 U	800 U	820 U	810 U	1000 U	28000 J
P-Nitroaniline	2000 U	2000 U	2100 U	2100 U	2600 U	110000 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	11000	82 J	290 J	400 J	22000 U
Phenol	400 U	400 U	410 U	410 U	500 U	23000
Pyrene	NR	6500	93 J	270 J	1800	22000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-R-2-COMP 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-COMP 7/12/02 ug/kg	WASTE-S-1-COMP 07/01/02 ug/kg	WASTE-S-2-COMP 7/1/02 ug/kg
1,2,4-Trichlorobenzene	120000	5100 J	4000 U	3800 U	3700 U
1,2-Dichlorobenzene	120000	6200 J	790 J	3000 J	3700 U
1,3-Dichlorobenzene	82000 U	17000 U	4000 U	3800 U	3700 U
1,4-Dichlorobenzene	82000 U	1600 J	580 J	4500	3700 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	82000 U	17000 U	4000 U	3800 U	3700 U
2,4,5-Trichlorophenol	82000 U	17000 U	1800 J	3800 U	3700 U
2,4,6-Trichlorophenol	650000	21000	120000	3800 U	3700 U
2,4-Dichlorophenol	3500000	99000	59000	3800 U	3700 U
2,4-Dimethylphenol	82000 U	17000 U	4000 U	3800 U	3700 U
2,4-Dinitrophenol	420000 U	86000 U	21000 U	20000 U	19000 U
2,4-Dinitrotoluene	82000 U	17000 U	4000 U	3800 U	3700 U
2,6-Dinitrotoluene	82000 U	17000 U	4000 U	3800 U	3700 U
2-Chloronaphthalene	82000 U	17000 U	4000 U	3800 U	3700 U
2-Chlorophenol	390000	24000	7300	3800 U	3700 U
2-Methylnaphthalene	82000 U	17000 U	7900	2900 J	8000
2-Methylphenol (o-Cresol)	82000 U	17000 U	4000 U	440 J	1600 J
2-Nitroaniline	420000 U	7000 J	21000 U	920 J	19000 U
2-Nitrophenol	82000 U	17000 U	4000 U	3800 U	3700 U
3,3'-Dichlorobenzidine	160000 U	33000 U	8000 U	7700 U	7300 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	21000 J	3100 J	590 J	2500 J	1800 J
3-Nitroaniline	420000 U	86000 U	21000 U	20000 U	19000 U
4,6-Dinitro-2-methylphenol	420000 U	86000 U	21000 U	20000 U	19000 U
4-Bromophenyl Phenyl Ether	82000 U	17000 U	4000 U	3800 U	3700 U
4-Chloro-3-methylphenol	82000 U	17000 U	4000 U	3800 U	3700 U
4-Chlorophenyl Phenyl Ether	82000 U	17000 U	4000 U	3800 U	3700 U
4-Nitrophenol	420000 U	86000 U	21000 U	20000 U	19000 U
Acenaphthene	82000 U	17000 U	4000 U	3800 U	3700 U
Acenaphthylene	82000 U	17000 U	4000 U	3800 U	3700 U
Anthracene	82000 U	17000 U	4000 U	3800 U	1100 J
Benzo(a)anthracene	82000 U	17000 U	4000 U	3800 U	3700 U
Benzo(a)pyrene	82000 U	17000 U	4000 U	3800 U	3700 U
Benzo(b)fluoranthene	82000 U	17000 U	4000 U	3800 U	3700 U
Benzo(g,h,i)perylene	82000 U	17000 U	4000 U	3800 U	3700 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-2
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 82760 - Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	WASTE-R-2-COMP 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-COMP 7/12/02 ug/kg	WASTE-S-1-COMP 07/01/02 ug/kg	WASTE-S-2-COMP 7/1/02 ug/kg
Benzo(k)fluoranthene	82000 U	17000 U	4000 U	3800 U	3700 U
Benzyl Butyl Phthalate	82000 U	6000 J	4000 U	580 J	2700 J
bis(2-Chloroethoxy)methane	82000 U	17000 U	4000 U	3800 U	3700 U
bis(2-Chloroethyl)ether	82000 U	17000 U	4000 U	3800 U	3700 U
bis(2-Ethylhexyl)phthalate	23000 J	4100 J	4000 J	45000	130000
Carbazole	82000 U	17000 U	4000 U	3800 U	3700 U
Chrysene	82000 R	17000 R	320 J	3800 U	3700 U
Di-n-butylphthalate	82000 U	6200 J	4000 U	4900	23000
Di-n-octylphthalate	82000 U	17000 U	4000 U	3800 U	1900 J
Dibenzo(a,h)anthracene	82000 U	17000 U	4000 U	3800 U	3700 U
Dibenzofuran	82000 U	17000 U	4000 U	3800 U	3700 U
Diethyl Phthalate	82000 U	20000	4000 U	3800 U	730 J
Dimethyl Phthalate	82000 U	6200 J	4000 U	3800 U	3700 U
Dinoseb	82000 U	17000 U	4000 U	3800 U	3700 U
Fluoranthene	82000 U	17000 U	4000 U	3800 U	3700 U
Fluorene	82000 U	17000 U	4000 U	3800 U	3700 U
Hexachlorobenzene	82000 U	17000 U	4000 U	3800 U	3700 U
Hexachlorobutadiene	82000 U	17000 U	4000 U	3800 U	3700 U
Hexachlorocyclopentadiene	82000 U	17000 U	4000 U	3800 U	3700 U
Hexachloroethane	82000 U	17000 U	4000 U	3800 U	3700 U
Indeno(1,2,3-cd)pyrene	82000 U	17000 U	4000 U	3800 U	3700 U
Isophorone	82000 U	17000 U	4000 U	15000	12000
N-Nitroso-di-n-propylamine	82000 U	17000 U	4000 U	3800 U	3700 U
N-Nitrosodiphenylamine	82000 R	17000 R	4000 R	480 J	3700 U
Naphthalene	120000	8100 J	4600	15000	42000
Nitrobenzene	27000 J	1100 J	4000 U	3800 U	3700 U
P-Chloroaniline	36000 J	20000 J	1100 J	7600 J	7300 U
P-Nitroaniline	420000 U	23000 J	21000 U	20000 U	19000 U
Pentachlorophenol	NR	NR	NR	NR	NR
Phenanthrene	82000 U	17000 U	4000 U	310 J	1100 J
Phenol	800000	190000	84000	1800 J	1600 J
Pyrene	82000 U	17000 U	4000 U	3800 U	540 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-3
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8081 - Pesticides

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 ug/kg	Waste-O-2-COMP 07/01/02 ug/kg	Waste-O-3-COMP 07/01/02 ug/kg	WASTE-P-1-COMP 07/16/02 ug/kg	WASTE-P-2-COMP 07/16/02 ug/kg	WASTE-P-3-COMP 07/17/02 ug/kg	WASTE-P-4-COMP 07/16/02 ug/kg	WASTE-Q-1-COMP 7/26/02 ug/kg
4,4'-DDD	1100 U	5.1 J	400 U	180 U	19 J	190 U	420 U	200 U
4,4'-DDE	NR	12 J	690 J	180 U	26 J	98 J	420 U	200 U
4,4'-DDT	3300 J	18 J	2500 J	180 UJ	110 U	760 J	280 J	540 J
Aldrin	2100 J	13 J	720 J	94 U	57 U	89 J	220 U	100 U
alpha-BHC	590 U	2 U	210 U	16 J	33 J	99 UJ	220 UJ	100 U
alpha-Chlordane	590 U	2 U	210 U	94 U	57 U	99 U	220 U	100 U
beta-BHC	770 J	12 J	210 U	160	33 J	40 J	220 U	1300 J
delta-BHC	590 U	29 J	2600 J	94 UJ	57 U	99 UJ	220 UJ	660
Dieldrin	8400 J	12 J	3600	73 J	66 J	120 J	540 J	200 U
Endosulfan I	590 U	2 U	210 U	94 U	8.7 J	100 J	220 U	100 U
Endosulfan II	6400 J	2.7 J	420 J	180 U	110 U	190 U	420 U	220 J
Endosulfan Sulfate	21000 J	2.8 J	220 J	180 U	110 U	95 J	420 U	200 U
Endrin	1100 U	4 U	400 U	180 U	110 U	190 U	68 J	600 J
Endrin Aldehyde	1100 U	4 U	400 U	180 U	110 U	190 U	420 U	730
Endrin Ketone	1100 U	1.6 J	400 U	180 U	110 U	190 U	420 U	200 U
gamma-BHC (Lindane)	590 U	2 U	210 U	94 U	57 U	25 J	84 J	310 J
gamma-Chlordane	590 U	2 U	210 U	130	16 J	130 J	230 J	56 J
Heptachlor	590 UJ	19 J	1900 J	94 UJ	57 U	99 UJ	220 UJ	100 U
Heptachlor Epoxide	2700 J	2 U	470 J	94 U	57 U	99 U	220 U	150 J
Methoxychlor	5900 UJ	20 UJ	2100 UJ	940 U	570 U	990 U	96 J	180 J
Toxaphene	59000 U	200 U	21000 U	9400 U	5700 U	9900 U	22000 U	10000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-3
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8081 - Pesticides

Sample ID Sample Date Units Compound	WASTE-Q-10-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP-DUP 07/26/02 ug/kg	WASTE-Q-11-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP-DUP 7/22/02 ug/kg	WASTE-Q-2-COMP 7/18/02 ug/kg	WASTE-Q-3-COMP 07/17/02 ug/kg
4,4'-DDD	12 J	10 J	120 UJ	200 UJ	220 UJ	800 U	38 U
4,4'-DDE	6.7 J	6.7 J	200 J	1200 J	220 R	800 R	38 U
4,4'-DDT	10 J	6.9 J	630 J	4200 J	3300 J	800 U	140 J
Aldrin	2.4 U	2.2 U	300 J	130 J	110 U	410 U	19 U
alpha-BHC	2.4 U	2.2 U	60 UJ	8.6 J	110 UJ	90 J	19 UJ
alpha-Chlordane	9.7	8.6 J	9.9 J	160 J	62 J	410 U	19 U
beta-BHC	2.4 U	0.21 J	60 U	100 U	110 U	410 U	11 J
delta-BHC	2.4 U	2.2 U	60 U	100 U	110 U	410 UJ	19 UJ
Dieldrin	8.5	7.6	200 J	680 J	970	3200 J	54 J
Endosulfan I	1.1 J	2.2 U	60 U	120 J	330	410 U	19 U
Endosulfan II	3.3 J	4.2 U	120 U	560 J	150 J	800 U	38 U
Endosulfan Sulfate	4.6 U	4.2 U	76 J	1800 J	220 UJ	1000 J	13 J
Endrin	4.6 U	4.2 U	60 J	340 J	350 J	1700 J	38 U
Endrin Aldehyde	6.5 J	5.7 J	120 UJ	1500 J	220 UJ	800 U	38 U
Endrin Ketone	4.6 U	4.2 U	220 J	720 J	220 UJ	630 J	12 J
gamma-BHC (Lindane)	0.69 J	0.75 J	60 U	150 J	42 J	84 J	19 U
gamma-Chlordane	8.8 J	8.4 J	120 J	780 J	700	1200 J	13 J
Heptachlor	2.4 U	2.2 U	60 U	100 U	110 U	410 U	19 UJ
Heptachlor Epoxide	3.3 J	2.6 J	60 U	300 J	160 J	410 U	130
Methoxychlor	24 U	5.4 J	600 U	1000 U	1100 U	1800 J	46 J
Toxaphene	240 U	220 U	6000 U	10000 U	11000 U	41000 U	1900 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-3
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8081 - Pesticides

Sample ID Sample Date Units Compound	WASTE-Q-4-COMP 07/18/02 ug/kg	WASTE-Q-5-COMP 07/17/02 ug/kg	WASTE-Q-6-COMP 07/19/02 ug/kg	WASTE-Q-6-COMP-DUP 07/19/02 ug/kg	WASTE-Q-7-COMP 7/19/02 ug/kg	WASTE-Q-8-COMP 7/19/02 ug/kg	WASTE-Q-9-COMP 7/26/02 ug/kg
4,4'-DDD	44 U	40 U	160	18 J	210 U	1.1 J	250 U
4,4'-DDE	14 J	4.5 J	51 J	47 J	210 R	4.1 R	50 J
4,4'-DDT	15 J	13 J	99 U	99 U	210 U	19	390 J
Aldrin	23 U	20 U	51 U	51 U	110 J	2.1 U	130 U
alpha-BHC	4 J	20 UJ	51 U	51 U	110 U	0.97 J	130 U
alpha-Chlordane	23 U	5.5 J	51 U	4 J	13 J	1.8 J	130 U
beta-BHC	1.6 J	6.1 J	16 J	51 U	110 U	2.1 U	130 U
delta-BHC	23 UJ	20 UJ	23 J	51 U	110 U	2.1 U	130 U
Dieldrin	13 J	11 J	41 J	52 J	390	4.1 U	29 J
Endosulfan I	23 U	20 U	51 U	51 U	110 U	2.1 U	130 U
Endosulfan II	44 U	40 U	99 U	99 U	210 U	4.1 U	87 J
Endosulfan Sulfate	44 U	40 U	28 J	48 J	210 U	4.1 U	250 U
Endrin	44 U	40 U	99 U	99 U	210 U	4.1 U	250 U
Endrin Aldehyde	44 U	18 J	48 J	99 U	210 U	6.4 J	890
Endrin Ketone	44 U	25 J	99 U	91 J	210 U	7.4	250 U
gamma-BHC (Lindane)	23 U	20 U	51 U	51 U	110 U	2.1 U	25 J
gamma-Chlordane	6.1 J	4.7 J	43 J	38 J	110 U	1.9 J	130 U
Heptachlor	8.3 J	20 UJ	51 U	51 U	110 U	2.1 U	130 U
Heptachlor Epoxide	23 U	20 U	51 U	51 U	110 U	2.1 U	180 J
Methoxychlor	8 J	19 J	510 U	510 U	55 J	21 U	1300 U
Toxaphene	2300 U	2000 U	5100 U	5100 U	11000 U	210 U	13000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-3
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8081 - Pesticides

Sample ID Sample Date Units Compound	WASTE-R-1-COMP 7/11/02 ug/kg	WASTE-R-2-COMP 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-COMP 7/12/02 ug/kg	WASTE-S-1-COMP 07/01/02 ug/kg	WASTE-S-2-COMP 7/1/02 ug/kg
4,4'-DDD	440 U	820 U	840 U	400 U	38 U	30 J
4,4'-DDE	440 U	820 U	840 U	400 U	61 J	84
4,4'-DDT	440 U	820 UJ	840 UJ	400 U	770 J	51 J
Aldrin	230 U	420 U	430 U	210 U	97	19 U
alpha-BHC	230 U	420 U	430 U	210 U	6.8 J	19 U
alpha-Chlordane	230 U	420 U	430 U	210 U	20 U	19 U
beta-BHC	230 U	2200 J	1400	210 U	180	19 U
delta-BHC	230 U	420 U	430 U	210 U	87	19 J
Dieldrin	440 U	1600 J	1800 J	110 J	380	39 J
Endosulfan I	230 U	1800 J	430 U	210 U	20 U	19 U
Endosulfan II	170 J	820 U	840 U	400 U	90 J	17 J
Endosulfan Sulfate	440 U	2000 J	380 J	400 U	490	37 U
Endrin	440 U	820 UJ	840 UJ	400 U	38 U	37 U
Endrin Aldehyde	440 U	820 U	840 U	400 U	38 U	37 U
Endrin Ketone	440 U	820 UJ	4800 J	400 U	38 U	37 U
gamma-BHC (Lindane)	230 U	680 J	360 J	210 U	20 U	19 U
gamma-Chlordane	530 J	420 U	430 U	210 U	79 J	37 J
Heptachlor	230 U	420 U	1600 J	210 U	59 J	14 J
Heptachlor Epoxide	230 U	420 U	430 U	210 U	120 J	22 J
Methoxychlor	2300 U	4200 UJ	4300 UJ	2100 U	200 UJ	190 UJ
Toxaphene	23000 U	42000 U	43000 U	21000 U	2000 U	1900 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-4
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8151 - Herbicides

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 ug/kg	Waste-O-2-COMP 07/01/02 ug/kg	Waste-O-3-COMP 07/01/02 ug/kg	WASTE-P-1-COMP 07/16/02 ug/kg	WASTE-P-2-COMP 07/16/02 ug/kg	WASTE-P-3-COMP 07/17/02 ug/kg
2,4,5-T	17000 J	110 J	40000 U	88 J	220 U	190 U
2,4,5-TP (Silvex)	58000 U	1000 U	40000 U	9.2 UJ	220 U	190 U
2,4-D	46000 J	1900	40000 U	54 J	220 U	190 U
2,4-DB	58000 U	1000 U	40000 U	9.2 UJ	220 U	190 U
Dalapon	14000000 U	240000 U	9800000 U	8.3 J	54000 U	46000 U
Dicamba	140000 U	2400 U	98000 U	22 UJ	540 U	460 U
Dichlorprop	690000 U	12000 U	490000 U	110 UJ	2700 U	2300 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	14000000 U	240000 U	9800000 U	2200 UJ	54000 U	210000 J
MCPP	14000000 U	240000 U	9800000 U	10000 J	54000 U	46000 U
Pentachlorophenol	630000 U	10000 U	470000 U	3200	1900	2200 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-4
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8151 - Herbicides

Sample ID Sample Date Units Compound	WASTE-P-4-COMP 07/16/02 ug/kg	WASTE-Q-1-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP-DUP 07/26/02 ug/kg	WASTE-Q-11-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP 07/22/02 ug/kg
2,4,5-T	10 U	51000 U	12 U	10 U	2300 U	9.9 U
2,4,5-TP (Silvex)	10 U	51000 U	12 U	10 U	2300 U	9.9 U
2,4-D	10 J	110000 J	33 J	3.8 J	2300 U	9.9 UJ
2,4-DB	10 U	51000 U	12 U	10 U	2300 U	9.9 U
Dalapon	2500 U	12000000 U	2800 U	2500 U	560000 U	2400 U
Dicamba	3.3 J	120000 U	28 U	25 U	5600 U	24 U
Dichlorprop	1.1 J	610000 U	140 U	130 U	28000 U	120 UJ
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2500 U	12000000 U	2800 U	2500 U	560000 U	2400 U
MCPP	2500 U	12000000 U	1300 J	1000 J	560000 U	2400 U
Pentachlorophenol	140 J	290000 J	170 J	22 U	470000 J	63 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-4
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8151 - Herbicides

Sample ID Sample Date Units Compound	WASTE-Q-12-COMP-DUP 7/22/02 ug/kg	WASTE-Q-2-COMP 7/18/02 ug/kg	WASTE-Q-3-COMP 07/17/02 ug/kg	WASTE-Q-4-COMP 07/18/02 ug/kg	WASTE-Q-5-COMP 07/17/02 ug/kg	WASTE-Q-6-COMP 07/19/02 ug/kg
2,4,5-T	11 U	10000 U	9.4 U	11 UJ	10 U	1000 U
2,4,5-TP (Silvex)	11 U	10000 U	9.4 U	11 UJ	10 U	1000 U
2,4-D	12 J	10000 U	9.4 U	11 U	10 U	1000 U
2,4-DB	11 U	10000 U	9.4 U	11 UJ	10 U	1000 U
Dalapon	2600 U	2400000 U	2300 U	2700 U	2400 U	240000 U
Dicamba	26 U	24000 U	23 U	27 U	24 U	2400 U
Dichlorprop	130 UJ	120000 U	110 U	130 U	120 U	12000 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2600 U	2400000 U	250 J	2700 U	2400 U	240000 U
MCPP	2600 U	2400000 U	2300 U	2700 U	2400 U	240000 U
Pentachlorophenol	72 J	180000	63	23 U	30	12000

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-4
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8151 - Herbicides

Sample ID Sample Date Units Compound	WASTE-Q-6-COMP-DUP 07/19/02 ug/kg	WASTE-Q-7-COMP 7/19/02 ug/kg	WASTE-Q-8-COMP 7/19/02 ug/kg	WASTE-Q-9-COMP 7/26/02 ug/kg	WASTE-R-1-COMP 7/11/02 ug/kg	WASTE-R-2-COMP 7/11/02 ug/kg
2,4,5-T	1000 U	7.6 J	200 U	12 U	11000 U	42000 U
2,4,5-TP (Silvex)	1000 U	10 UJ	200 U	12 U	11000 U	42000 U
2,4-D	1000 U	3.5 J	200 U	12 UJ	170000	580000
2,4-DB	1000 U	10 UJ	200 UJ	12 U	11000 U	42000 U
Dalapon	240000 U	5.3 J	49000 U	3000 U	2700000 UJ	10000000 UJ
Dicamba	2400 U	2.9 J	490 U	30 U	27000 U	100000 U
Dichlorprop	12000 U	120 U	2500 U	150 U	2200 J	39000 J
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	240000 U	2500 U	49000 U	290 J	2700000 U	10000000 U
MCPP	240000 U	2500 U	49000 U	540 J	2700000 UJ	10000000 UJ
Pentachlorophenol	8300	21 U	1400	26 U	23000 U	86000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-4
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8151 - Herbicides

Sample ID Sample Date Units *Compound*	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-COMP 7/12/02 ug/kg	WASTE-S-1-COMP 07/01/02 ug/kg	WASTE-S-2-COMP 7/1/02 ug/kg
2,4,5-T	5200 U	200 U	4800 U	15 J
2,4,5-TP (Silvex)	5200 U	200 U	4800 U	18 U
2,4-D	56000	3800	4800 U	18 U
2,4-DB	5200 U	200 U	4800 U	18 U
Dalapon	1300000 UJ	49000 UJ	1200000 U	4400 U
Dicamba	13000 U	490 U	12000 U	44 U
Dichlorprop	4200 J	190 J	58000 U	220 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	1300000 U	49000 U	1200000 U	4400 U
MCPP	1300000 UJ	49000 UJ	1200000 U	4400 U
Pentachlorophenol	11000 U	3300 J	55000 U	150 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-5
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 680 - Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 ug/kg	Waste-O-2-COMP 07/01/02 ug/kg	Waste-O-3-COMP 07/01/02 ug/kg	WASTE-P-1-COMP 07/16/02 ug/kg	WASTE-P-2-COMP 07/16/02 ug/kg	WASTE-P-3-COMP 07/17/02 ug/kg	WASTE-P-4-COMP 07/16/02 ug/kg	WASTE-Q-1-COMP 7/26/02 ug/kg
Decachlorobiphenyl	12000 U	410 U	2100 U	9400 U	2300 U	4000 U	440	10000 U
Dichlorobiphenyl	320000	300	20000	1800 U	440 U	770 U	22 J	7700
Heptachlorobiphenyl	23000	240 U	3400	1100 J	1400 U	2300 U	720	3000 J
Hexachlorobiphenyl	40000	160 U	4300	880 J	910 U	1600 U	840	7200
Monochlorobiphenyl	260000	46 J	23000	1800 U	440 U	770 U	84 U	6300
Nonachlorobiphenyl	12000 U	410 U	2100 U	9400 U	2300 U	4000 U	230 J	10000 U
Octachlorobiphenyl	5100 J	240 U	1000 J	5600 U	1400 U	2300 U	210 J	6100 U
Pentachlorobiphenyl	180000 J	170 J	12000 J	9600	910 U	1600 U	1500	32000
Tetrachlorobiphenyl	460000 J	290 J	28000 J	7400	470 J	310 J	650	42000
Trichlorobiphenyl	330000 J	480 J	16000 J	7800	140 J	770 U	940	21000

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-5
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 680 - Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	WASTE-Q-10-COMP 7/26/02 ug/kg	WASTE-Q-10-COMP-DUP 07/26/02 ug/kg	WASTE-Q-11-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP 07/22/02 ug/kg	WASTE-Q-12-COMP-DUP 7/22/02 ug/kg	WASTE-Q-2-COMP 7/18/02 ug/kg	WASTE-Q-3-COMP 07/17/02 ug/kg
Decachlorobiphenyl	240 U	220 U	1200 U	86 J	190 J	2100 U	20 J
Dichlorobiphenyl	46 U	42 U	230 U	570 J	280 J	2100	19 U
Heptachlorobiphenyl	140 U	130 U	700 U	1800 J	1700 J	13000	540
Hexachlorobiphenyl	66 J	85 U	470 U	3200 J	3800 J	18000 J	490
Monochlorobiphenyl	46 U	42 U	230 U	39 U	43 U	82 J	19 U
Nonachlorobiphenyl	240 U	220 U	1200 U	200 U	3.7 J	740 J	22 J
Octachlorobiphenyl	140 U	130 U	700 U	460 J	480 J	4100	130
Pentachlorobiphenyl	210	75 J	470 U	8500 J	6600 J	47000 J	310
Tetrachlorobiphenyl	200	36 J	470 U	9400 J	7100 J	19000	240
Trichlorobiphenyl	22 J	10 J	230 U	3700 J	2200 J	12000 J	12 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-5
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 680 - Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	WASTE-Q-4-COMP 07/18/02 ug/kg	WASTE-Q-5-COMP 07/17/02 ug/kg	WASTE-Q-6-COMP 07/19/02 ug/kg	WASTE-Q-6-COMP-DUP 07/19/02 ug/kg	WASTE-Q-7-COMP 7/19/02 ug/kg	WASTE-Q-8-COMP 7/19/02 ug/kg	WASTE-Q-9-COMP 7/26/02 ug/kg
Decachlorobiphenyl	110 U	100 U	1000 U	1000 U	170 J	1000 U	2600 U
Dichlorobiphenyl	22 U	20 U	260	45 J	230	200 U	500 U
Heptachlorobiphenyl	67 U	60 U	600 U	100 J	240	620 U	6000
Hexachlorobiphenyl	23 J	40 U	170 J	2200 J	390 J	410 U	8100
Monochlorobiphenyl	22 U	20 U	200 U	200 U	41 U	200 U	500 U
Nonachlorobiphenyl	110 U	100 U	1000 U	1000 U	77 J	1000 U	2600 U
Octachlorobiphenyl	67 U	60 U	600 U	600 U	70 J	620 U	1000 J
Pentachlorobiphenyl	45 U	6.4 J	1000 J	7200 J	960 J	410 U	10000
Tetrachlorobiphenyl	45 U	40 U	1700	3200	1400	410 U	4600
Trichlorobiphenyl	9.4 J	4.5 J	1000 J	300 J	810 J	200 U	2100

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-5
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 680 - Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	WASTE-R-1-COMP 7/11/02 ug/kg	WASTE-R-2-COMP 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-COMP 7/12/02 ug/kg	WASTE-S-1-COMP 07/01/02 ug/kg	WASTE-S-2-COMP 7/1/02 ug/kg
Decachlorobiphenyl	230 U	5300 U	2200 U	330	400 U	380 U
Dichlorobiphenyl	610	7100	6200	40 U	280	73 U
Heptachlorobiphenyl	180	3400	4500	3500	380	220 U
Hexachlorobiphenyl	290	4900	14000	2700	630	150 U
Monochlorobiphenyl	480	1100	3400	40 U	220	73 U
Nonachlorobiphenyl	230 U	5300 U	2200 U	630	400 U	380 U
Octachlorobiphenyl	22 J	3100 U	540 J	1300	110 J	220 U
Pentachlorobiphenyl	190	42000	57000	2400	1400 J	140 J
Tetrachlorobiphenyl	1900	130000	91000	910	1200 J	150 R
Trichlorobiphenyl	2400	76000	32000	390	370 J	17 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-6
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-O-1-4FT 7/2/02 ug/kg	Waste-O-2-7FT 7/1/02 ug/kg	Waste-O-3-9FT 7/1/02 ug/kg	WASTE-P-1-15FT 07/16/02 ug/kg	WASTE-P-2-6FT 07/16/02 ug/kg	WASTE-P-3-22FT 7/17/02 ug/kg	WASTE-P-4-17 07/16/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	21000 J	88 J	1500 J	32 J	16 J	2.3 J	2.3 UJ
1,2,3,4,6,7,8-HpCDF	4700 J	4.2 J	300 J	0.094 U	0.39 U	0.61 U	3 U
1,2,3,4,7,8,9-HpCDF	430 J	0.37 UJ	22 J	0.17 U	0.25 U	0.12 U	1.5 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	28 R	0.2 UJ	0.63 UJ	1.5 U	0.57 U	0.094 U	0.2 U
1,2,3,4,7,8-HxCDF	310 J	0.16 UJ	11 J	0.03 U	0.19 U	0.3 U	2 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	450 J	0.23 UJ	62 J	0.95 U	0.57 U	0.14 U	0.22 U
1,2,3,6,7,8-HxCDF	50 J	3.5 J	0.93 UJ	0.071 UJ	0.12 UJ	0.24 U	0.57 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	59 J	0.18 UJ	5.9 J	0.38 U	0.18 U	0.11 U	0.29 U
1,2,3,7,8,9-HxCDF	56 J	0.18 UJ	1.1 UJ	0.091 U	0.22 U	0.028 U	0.39 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	16 R	1.1 UJ	1.2 UJ	0.16 U	0.27 U	0.048 U	0.24 U
1,2,3,7,8-Pentachlorodibenzofuran	53 J	0.72 UJ	1.7 J	0.13 U	0.19 U	0.13 U	0.16 U
2,3,4,6,7,8-HxCDF	51 J	0.17 UJ	3.7 J	0.047 U	0.13 U	0.028 U	0.36 U
2,3,4,7,8-PeCDF	120 J	0.72 UJ	4.7 J	0.14 U	0.18 U	0.077 U	0.63 U
2,3,7,8-TCDD	18 R	0.28 UJ	0.3 UJ	0.17 U	0.17 U	0.033 U	0.09 U
2,3,7,8-Tetrachlorodibenzofuran	72 J	0.96 J	6 J	0.15 U	0.12 U	0.21 U	1.6 U
OCDD	540000 J	1700 J	4800 J	110 J	240 J	88 J	44 U
OCDF	140000 J	100 J	1600 J	0.3 U	1.5 U	2.5 J	20 J
Total HpCDD	43000 J	280 J	3600 J	55 J	30 J	4.8	2.3 UJ
Total HpCDF	39000 J	130 J	2200 J	0.23 U	1 U	1.2	5.6
Total HxCDD	1400 J	18 J	270 J	3.9	3 U	0.3 U	0.29 U
Total HxCDF	3100 J	68 J	240 J	0.091 U	0.29 U	0.31 U	2 U
Total PeCDD	29 R	1.3 UJ	4.4 J	1.7 U	0.27 U	0.16 U	0.36 U
Total PeCDF	600 J	2.6 J	34 J	0.14 U	0.19 U	0.2 U	1.6 U
Total TCDD	29 J	8.2 J	7.8 J	0.17 U	0.38 U	0.15 U	0.11 U
Total TCDF	930 J	4 J	72 J	0.21 U	0.12 U	0.21 U	1.6 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-6
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-Q-1-5FT 07/26/02 ug/kg	WASTE-Q-10-8 07/26/02 ug/kg	WASTE-Q-10-8-DUP 07/26/02 ug/kg	WASTE-Q-11-8 07/22/02 ug/kg	WASTE-Q-12-4 07/22/02 ug/kg	WASTE-Q-12-4-DUP 07/22/02 ug/kg	WASTE-Q-2-8FT 7/18/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	48 J	6.8 J	14 J	53	29	37	700 J
1,2,3,4,6,7,8-HpCDF	8.1 J	4.3 J	5.2 J	8.6	3.2	3.9	14
1,2,3,4,7,8,9-HpCDF	0.83 J	0.11 UJ	0.62 J	0.6 U	0.46 U	0.64 J	1 J
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.44 UJ	0.27 UJ	0.42 UJ	0.21 U	0.21 U	0.18 U	0.56 U
1,2,3,4,7,8-HxCDF	0.56 UJ	2.6 J	3 J	0.48 U	1.2 J	1.1 J	1.2
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	1.9 J	0.47 UJ	0.85 J	1.6	0.95 J	0.87 J	8.4
1,2,3,6,7,8-HxCDF	0.31 UJ	0.84 J	1.1 J	0.52 U	0.3 U	0.45 U	0.29 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.53 UJ	0.25 UJ	0.99 J	0.17 U	0.52 U	0.4 U	1.9
1,2,3,7,8,9-HxCDF	0.61 UJ	0.11 UJ	0.31 UJ	0.16 U	0.089 U	0.099 U	0.32 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.33 UJ	0.19 UJ	0.37 UJ	0.091 U	0.17 U	0.19 U	0.28 UJ
1,2,3,7,8-Pentachlorodibenzofuran	0.16 UJ	0.42 UJ	0.73 J	0.11 U	0.22 U	0.18 U	1.1 J
2,3,4,6,7,8-HxCDF	0.34 UJ	1.1 J	1.7 J	0.19 U	0.29 U	0.42 U	0.21 U
2,3,4,7,8-PeCDF	0.47 UJ	0.83 J	1.1 J	0.11 U	1 J	0.55 U	1.1 J
2,3,7,8-TCDD	0.084 UJ	0.11 UJ	0.16 UJ	0.057 U	0.096 U	0.06 U	1.4
2,3,7,8-Tetrachlorodibenzofuran	0.13 UJ	0.45 J	0.82 J	0.18 U	0.12 U	0.27 U	1.1
OCDD	1400 J	72 J	130 J	360	390	500 J	9900 J
OCDF	82 J	3.7 J	5.6 J	58	13 J	16 J	55 J
Total HpCDD	100 J	13 J	26 J	79	55	68	1700
Total HpCDF	44 J	6.1 J	9.6 J	49	12	14	70
Total HxCDD	10 J	2.4 J	6.6 J	3.3	7.6	5	77
Total HxCDF	6.6 J	7.4 J	8.4 J	6.2	3.4	4.6	11
Total PeCDD	0.4 UJ	0.58 UJ	0.57 UJ	0.28 U	0.47 U	0.4 U	3.6 J
Total PeCDF	2.3 J	6.8 J	5.4 J	0.36 U	5.5 J	1.5 J	5.6 J
Total TCDD	0.97 J	1.1 J	1.2 J	0.11 U	0.13 U	0.15 U	4.9
Total TCDF	5.5 J	9 J	8 J	0.18 U	13 J	2.9 J	10

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-6
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-Q-3-6FT 07/17/02 ug/kg	WASTE-Q-4-9 07/18/02 ug/kg	WASTE-Q-5-8 07/17/02 ug/kg	WASTE-Q-6-15 07/19/02 ug/kg	WASTE-Q-6-15-DUP 07/19/02 ug/kg	WASTE-Q-7-9 07/19/02 ug/kg	WASTE-Q-9-8 07/26/02 ug/kg	WASTE-R-1-19FT 07/11/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	2.8 J	570 J	0.95 J	370 J	700 J	17	3.7 J	15 J
1,2,3,4,6,7,8-HpCDF	0.59 U	45	0.1 U	41	75	4.9	10 J	0.54 U
1,2,3,4,7,8,9-HpCDF	0.12 U	3	0.035 U	3.3	6.7 J	0.26 U	0.54 UJ	0.38 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.12 U	1.1 J	0.074 U	0.024 U	5.7 U	0.54 U	0.23 UJ	0.19 U
1,2,3,4,7,8-HxCDF	0.16 U	1.8 J	0.11 U	2.5	2.8	0.3 U	7.4 J	0.3 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.16 U	7.8	0.073 U	22	55	0.53 U	0.81 UJ	1.6
1,2,3,6,7,8-HxCDF	0.053 U	0.44 U	0.013 U	0.046 U	1.2 U	0.12 U	2 J	0.17 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.12 U	2.2 J	0.057 U	13	27	0.15 U	0.54 UJ	0.75 J
1,2,3,7,8,9-HxCDF	0.053 U	0.2 U	0.018 U	0.36 U	1.2 UJ	0.087 U	0.24 UJ	0.51 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.17 U	0.55 U	0.038 U	1.7	3.7	0.042 U	0.23 UJ	0.16 U
1,2,3,7,8-Pentachlorodibenzofuran	0.072 U	0.14 U	0.0092 U	0.18 UJ	1.2 J	0.062 UJ	0.057 UJ	0.16 U
2,3,4,6,7,8-HxCDF	0.098 U	0.43 U	0.062 U	1.4	2.7	0.096 U	2.2 J	0.16 U
2,3,4,7,8-PeCDF	0.075 U	0.62 U	0.013 U	0.45 U	0.49 U	0.24 U	0.05 UJ	0.21 U
2,3,7,8-TCDD	0.028 U	0.2 U	0.011 U	1	1.1	0.075 U	0.051 UJ	0.17 U
2,3,7,8-Tetrachlorodibenzofuran	0.15 U	0.49 U	0.015 U	0.19 U	0.26 U	0.1 U	2.6 J	0.83 U
OCDD	45 U	8500 J	420 J	2400 J	2400 J	170	19 J	16 U
OCDF	3.5 J	410 J	1.2 U	110 J	230	46	3.2 J	0.8 U
Total HpCDD	5	1100 J	1.9	700	1300	32	7 J	34
Total HpCDF	1.4	230	0.33 U	190	320	23	11 J	0.68
Total HxCDD	0.38 U	36	0.074 U	160	390	0.85	4.3 J	14
Total HxCDF	0.21 U	28	0.11 U	44	78	1.9	18 J	0.51 U
Total PeCDD	0.22 U	0.55 U	0.1 U	29	62	0.64 U	1.2 J	0.39 U
Total PeCDF	0.16 U	2	0.013 U	4.4	7.6	0.68	27 J	3.1
Total TCDD	0.084 U	1.4	0.011 U	14	24	0.075 U	1.8 J	4.2
Total TCDF	0.15 U	3.5	0.015 U	1.3	3.3	0.92	43 J	9

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-6
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-R-2-20FT 7/11/02 ug/kg	WASTE-R-3-22FT 7/12/02 ug/kg	WASTE-R-4-24FT 07/12/02 ug/kg	WASTE-S-1-6FT 07/01/02 ug/kg	WASTE-S-2-6FT 07/01/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	96 J	10 J	16 J	43 J	0.3 J
1,2,3,4,6,7,8-HpCDF	12 J	5	4.1	9.1 J	0.092 UJ
1,2,3,4,7,8,9-HpCDF	0.75 U	0.23 U	0.15 U	0.54 J	0.032 UJ
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	2.4 U	0.26 U	0.23 U	0.66 UJ	0.046 UJ
1,2,3,4,7,8-HxCDF	1.6 U	1.2 J	0.27 U	0.19 UJ	0.04 UJ
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	44	2.1	2.6	1.7 J	0.044 UJ
1,2,3,6,7,8-HxCDF	0.67 U	0.22 U	0.22 U	0.17 UJ	0.033 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	30	1.1 J	0.79 J	0.27 UJ	0.026 UJ
1,2,3,7,8,9-HxCDF	0.15 U	0.18 U	0.16 U	0.062 UJ	0.091 UJ
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	4.8 U	0.43 U	0.55 U	0.099 UJ	0.15 UJ
1,2,3,7,8-Pentachlorodibenzofuran	0.34 U	0.42 U	0.17 U	0.19 UJ	0.02 UJ
2,3,4,6,7,8-HxCDF	4.5 U	0.82 J	1.1 J	0.16 UJ	0.12 UJ
2,3,4,7,8-PeCDF	0.12 U	1.4	0.37 U	0.15 UJ	0.011 UJ
2,3,7,8-TCDD	3.5 J	0.058 U	0.23 U	0.11 UJ	0.016 UJ
2,3,7,8-Tetrachlorodibenzofuran	1.1 U	1.2	0.26 J	0.33 J	0.011 UJ
OCDD	300 J	110 J	310 J	2600 J	3.1 J
OCDF	20 J	5.7 J	14 J	92 J	0.096 UJ
Total HpCDD	130	23	30	87 J	0.5 J
Total HpCDF	32	20	18	54 J	0.12 UJ
Total HxCDD	150	11	7.9	6.2 J	0.046 UJ
Total HxCDF	140	65	56	7.4 J	0.12 UJ
Total PeCDD	35	3.8	1.7	2.5 J	0.15 UJ
Total PeCDF	150	21	12	0.19 UJ	0.025 UJ
Total TCDD	330	14	2.8	0.7 J	0.016 UJ
Total TCDF	190	33	7.4	0.58 J	0.011 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-7
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 6010/7470A/7471 - Inorganics

Sample ID Sample Date Units Compound	Waste-O-1-COMP 07/02/02 mg/kg	Waste-O-2-COMP 07/01/02 mg/kg	Waste-O-3-COMP 07/01/02 mg/kg	WASTE-P-1-COMP 07/16/02 mg/kg	WASTE-P-2-COMP 07/16/02 mg/kg	WASTE-P-3-COMP 07/17/02 mg/kg	WASTE-P-4-COMP 07/16/02 mg/kg	WASTE-Q-1-COMP 7/26/02 mg/kg
Aluminum	9700	7500	7200	2000	8800	3200	4300	9000
Antimony	0.55	2.2 U	2.2 U	2 U	0.84 J	2	2.1	4.3 J
Arsenic	12	5.1	6.3	1.7 J	14	15 J	12	6.8
Barium	450	100	150	84	190	130	110	6700
Beryllium	0.67	0.46	0.49	0.14	0.55	0.36	0.79	0.93
Cadmium	15	0.68 J	1.1 J	0.75	8.1	93	2.3	8 J
Calcium	20000	11000	11000	300000	39000	160000	49000	33000
Chromium	22	13	13	8	39	17	19	42
Cobalt	6.9	6.5	6.5	1.5	6.9	5.2	5.8	13
Copper	1100	17	24	7.5	68	270	220	520
Iron	16000	15000	13000	3100	42000	15000	16000	36000
Lead	180	9.6	21	8.4	99	250	130	1400
Magnesium	4900	6300	4600	22000	2400	4600	3600	2400
Manganese	970	510	390	110	230	530	170	290
Mercury	92 J	0.072 J	1.5 J	15	19	5.6	1.2	1.1 J
Nickel	24	17	17	18	32	15	25	56 J
Potassium	2000	720	970	800	2500	1100	920	1000 J
Selenium	4.7	1.1 U	1.1 U	1 U	4.9 J	2	1	1.1 U
Silver	3.8	1.1 U	1.1 U	1 U	1	2.1	0.33	0.63
Sodium	170	130	160	360	1300	3100	850	470
Thallium	1.2 UJ	1.1 UJ	1.1 UJ	1 U	0.82 J	1.1 U	1.3 U	1.1 U
Vanadium	28	27	23	10	33	14	22	49
Zinc	790 J	47 J	130 J	100	1200 J	4700	410	1800

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-7
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 6010/7470A/7471 - Inorganics

Sample ID Sample Date Units Compound	WASTE-Q-10-COMP 7/26/02 mg/kg	WASTE-Q-10-COMP-DUP 07/26/02 mg/kg	WASTE-Q-11-COMP 07/22/02 mg/kg	WASTE-Q-12-COMP 07/22/02 mg/kg	WASTE-Q-12-COMP-DUP 7/22/02 mg/kg	WASTE-Q-2-COMP 7/18/02 mg/kg	WASTE-Q-3-COMP 07/17/02 mg/kg
Aluminum	13000	15000	7100	24000	10000	4900	8400
Antimony	33 J	44 J	8.3 J	8.1 J	4.1 J	8.2	0.84
Arsenic	30	30	12	14	9.6	27	10 J
Barium	1000	820	910	880	830	1400	1100
Beryllium	0.49	0.4	0.36	0.51	0.62	0.48	1.6
Cadmium	21	43	9.6	14	8.4	8.9	1
Calcium	23000	19000	14000	18000	13000	37000	21000
Chromium	120	100	91	130	83	67	31
Cobalt	61	23	22	13	11	11	6.3
Copper	4600 J	2800 J	660	350	500	390	50
Iron	130000 J	130000 J	69000	95000	51000	39000	28000
Lead	2600	1500	1100	770	460	380	200
Magnesium	6000	2600	2100	3600	4100	2600	2300
Manganese	1000 J	1000 J	650	870	640	320	290
Mercury	0.31	0.24	5.1 J	0.32 J	0.69 J	15	0.72
Nickel	5200 J	260 J	62	67	45	58	23
Potassium	2200 J	1500 J	830 J	1100 J	1400 J	840	1000
Selenium	3.9 J	2.2 J	0.92 J	1.6 J	1 J	1.1 U	1.1 U
Silver	37 J	17 J	2.2	2.2	1.5	1	0.18
Sodium	2700	1800	290	180 U	190 U	490	440
Thallium	2.8 U	5.3 U	1.2 U	5.4 U	1.3 U	1.1 UJ	1.1 U
Vanadium	24	21 J	19	22	27	280	35
Zinc	2300	2500	3300 J	1200 J	850 J	1800 J	220

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-7
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 6010/7470A/7471 - Inorganics

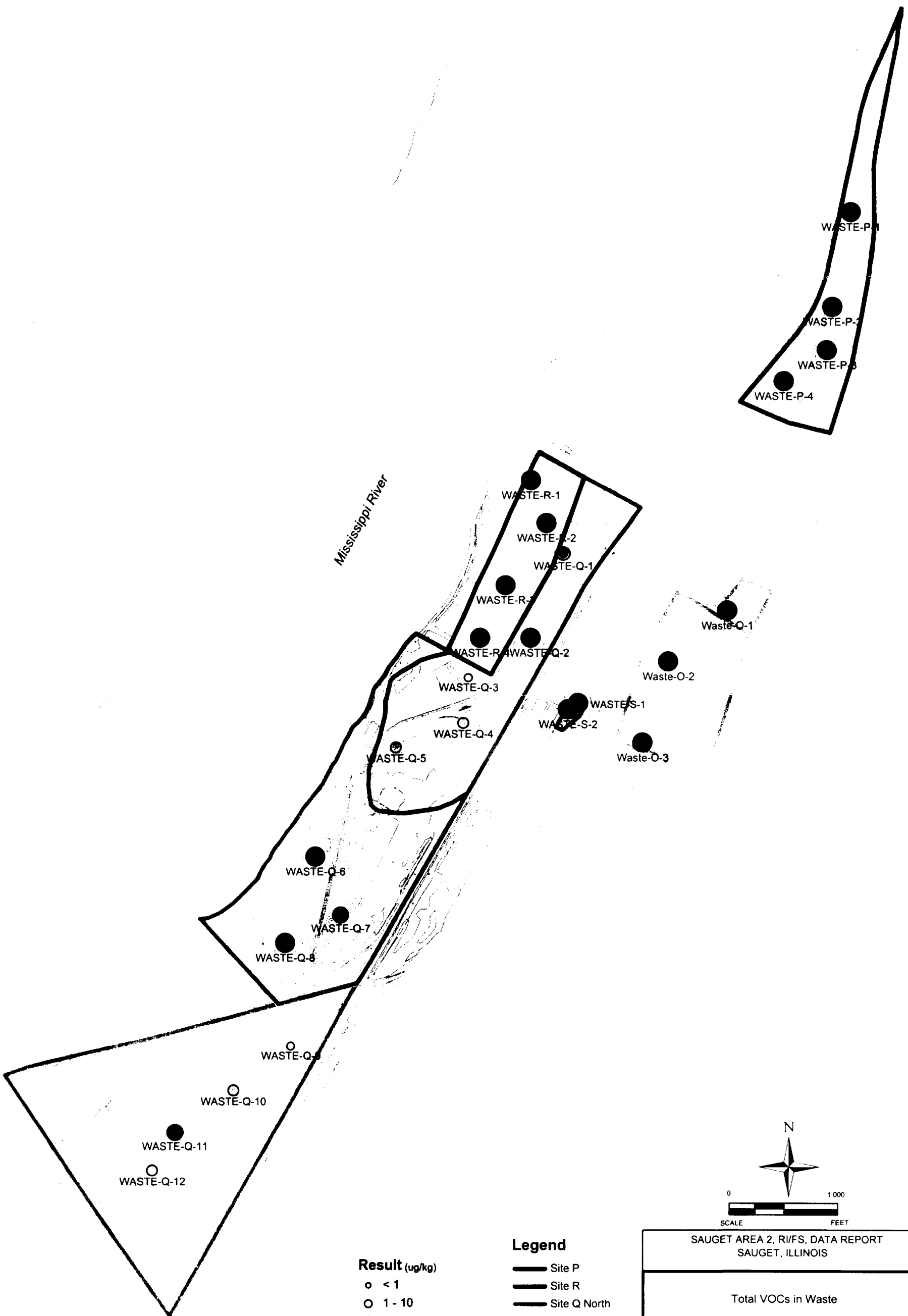
Sample ID Sample Date Units Compound	WASTE-Q-4-COMP 07/18/02 mg/kg	WASTE-Q-5-COMP 07/17/02 mg/kg	WASTE-Q-6-COMP 07/19/02 mg/kg	WASTE-Q-6-COMP-DUP 07/19/02 mg/kg	WASTE-Q-7-COMP 7/19/02 mg/kg	WASTE-Q-8-COMP 7/19/02 mg/kg	WASTE-Q-9-COMP 7/26/02 mg/kg
Aluminum	8500	6400	6600	5900	8300	6500	12000
Antimony	0.9 J	1.9	1.3 J	1.1 J	2.5 UJ	2.5 UJ	35 J
Arsenic	10	13 J	16	16	7.2	6.6	32
Barium	170	150	150	120	260	200	2800
Beryllium	0.76	1.2	0.9	0.99	0.57	0.46	0.51
Cadmium	2.5	0.82	1.7	1.6	0.58 J	0.79 J	43
Calcium	23000	24000	12000	30000	12000	77000	29000
Chromium	22	17	18	20	19	17	130
Cobalt	10	8.8	8.2	6.1	6.3	5.6	17
Copper	81	78	64	55	46	26	1000 J
Iron	41000	20000	30000	29000	26000	13000	77000 J
Lead	230	340	85	76	44	110	2300
Magnesium	4100	2400	2600	2000	4800	7700	2900
Manganese	660	430	290	320	660	260	1000 J
Mercury	0.56	0.15	2.1	1.5	1	1.8	0.96
Nickel	35	31	26	20	23	18	120 J
Potassium	1100	950	910	850	1600	1500	1100 J
Selenium	1.1 U	1 U	1.1 U	0.97 J	1.3 U	1.2 U	2.9 U
Silver	1.1 U	0.44	0.15	0.2	0.22	0.11	8.1 J
Sodium	200	250	190	240	170	400	560
Thallium	1.1 UJ	1 U	1.1 UJ	1.1 UJ	1.3 UJ	1.2 UJ	1.3 U
Vanadium	29	27	26	27	23	21	26
Zinc	400 J	270	270 UJ	330 J	250 J	120 J	6400

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 1-7
Sauget Area 2 RI/FS Data Report - Waste (Chemical Data)
Method 6010/7470A/7471 - Inorganics

Sample ID Sample Date Units Compound	WASTE-R-1-COMP 7/11/02 mg/kg	WASTE-R-2-COMP 7/11/02 mg/kg	WASTE-R-3-22FT 7/12/02 mg/kg	WASTE-R-4-COMP 7/12/02 mg/kg	WASTE-S-1-COMP 07/01/02 mg/kg	WASTE-S-2-COMP 7/1/02 mg/kg
Aluminum	6100	4200	7300	2300	4200	2800
Antimony	2.4 UJ	2.3 UJ	2.5 UJ	2.2 UJ	1.7	1.6
Arsenic	4.7	3.6	7.2	2.5	3.2	3.3
Barium	210	140	220	130	140	110
Beryllium	0.63	0.47	0.67	0.29	0.37	0.21
Cadmium	0.15 J	0.059 J	2.5	0.23 J	5.8	4.1
Calcium	8200 J	8000 J	8500 J	11000 J	190000	210000
Chromium	13	12	73	7.2	190	100
Cobalt	78	27	76	16	5.2	4.2
Copper	110	54	14	8.7	71	40
Iron	13000	11000	16000	5500	7700	5400
Lead	16 J	9.9 J	18 J	12 J	820	470
Magnesium	2200 J	2500 J	4900 J	1200 J	5900	16000
Manganese	140 J	100 J	270 J	110 J	120	110
Mercury	0.17	2.6 J	3000 J	2	0.62 J	0.26 J
Nickel	150	17	20	7.2	12	11
Potassium	850 J	920 J	2200 J	410 J	640	830
Selenium	1.2 U	1.1 U	1.3 U	12 J	0.89	0.76
Silver	1.2 U	1.1 U	1.3 U	1.1 U	1.2 U	1 U
Sodium	220 J	1500 J	1700 J	380 J	200	250
Thallium	1.2 U	1.1 U	1.3 U	1.1 U	1.2 UJ	1 UJ
Vanadium	20 J	15 J	36 J	9.3 J	12	10
Zinc	98 J	100 J	1000 J	30 J	220 J	130 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

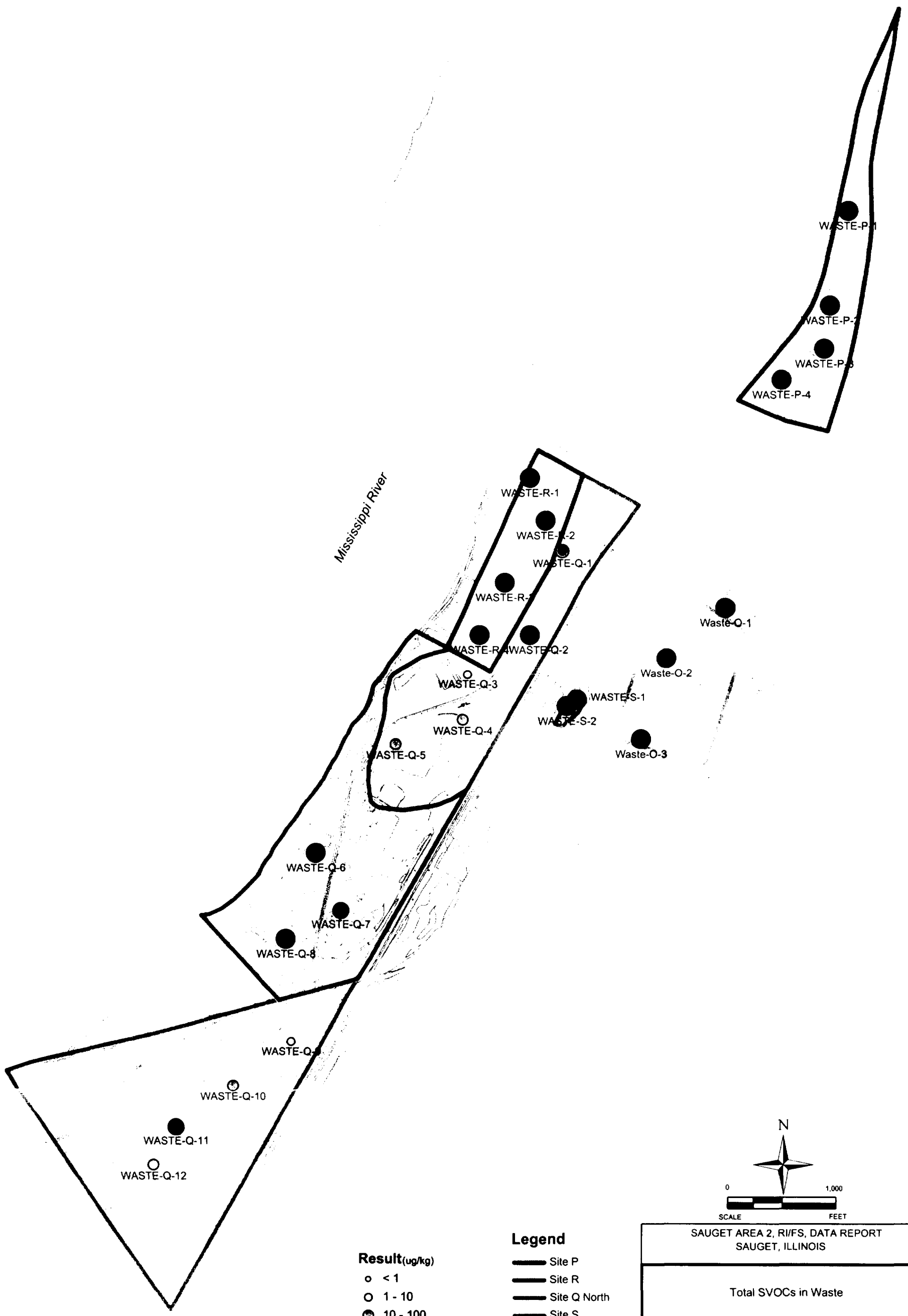


SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

Total VOCs in Waste

Date: 2/10/03	Project Number: 21560888	Figure Number: 1-1
Drawn by: mcr	Design by: mcr	Checked by:

URS

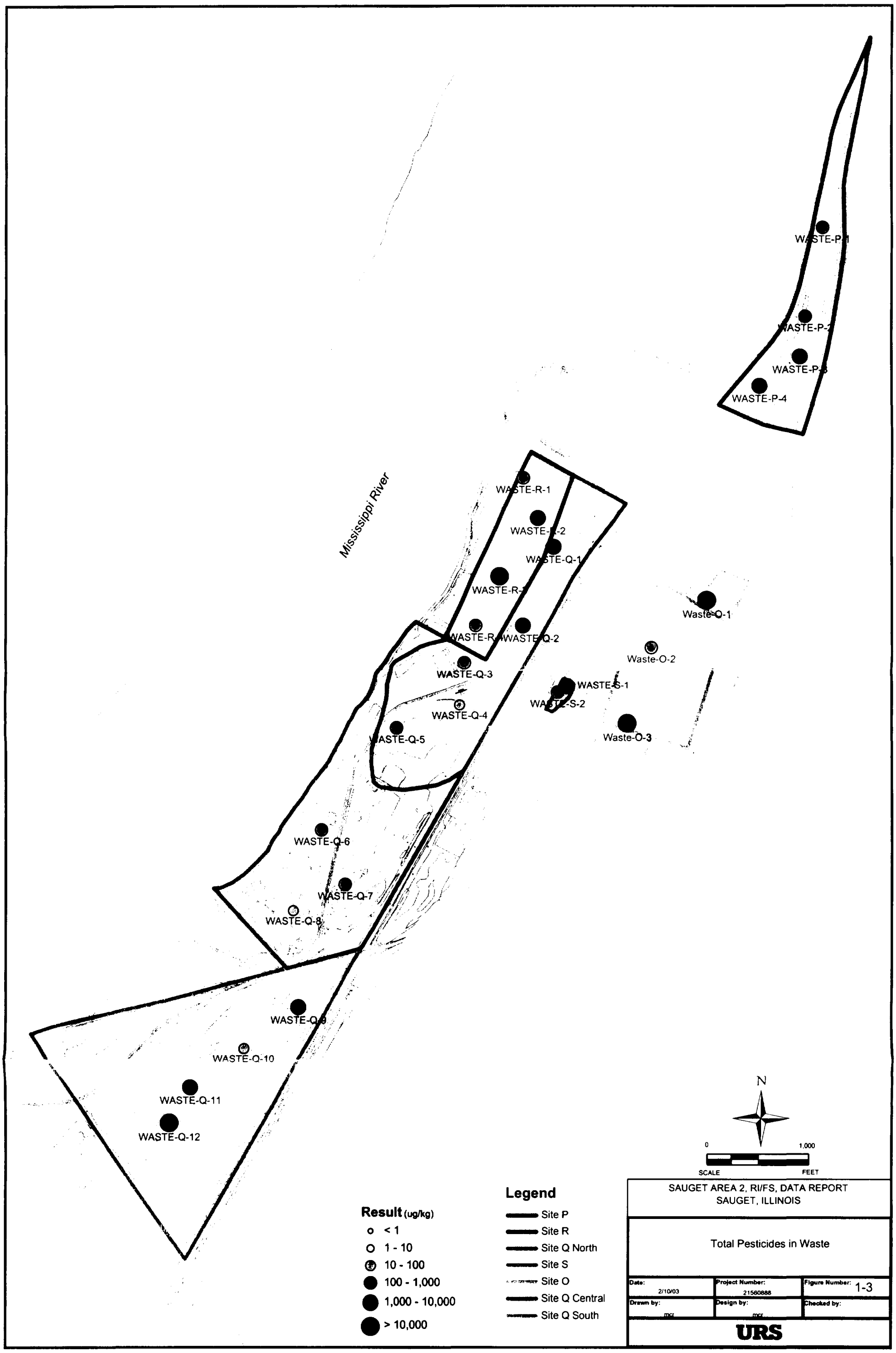


SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

Total SVOCs in Waste

Date: 2/10/03	Project Number: 21560888	Figure Number: 1-2
Drawn by: mcr	Design by: mcr	Checked by:

URS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WASTE-P-2
WASTE-P-3
WASTE-P-4
Mississippi River
WASTE-R-1
WASTE-R-2
WASTE-Q-1
WASTE-R-3
WASTE-R-4
WASTE-Q-2
WASTE-Q-3
WASTE-Q-4
WASTE-Q-5
WASTE-Q-6
WASTE-Q-7
WASTE-Q-8
WASTE-Q-9
WASTE-Q-10
WASTE-Q-11
WASTE-Q-12
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-S-1
WASTE-S-2
N
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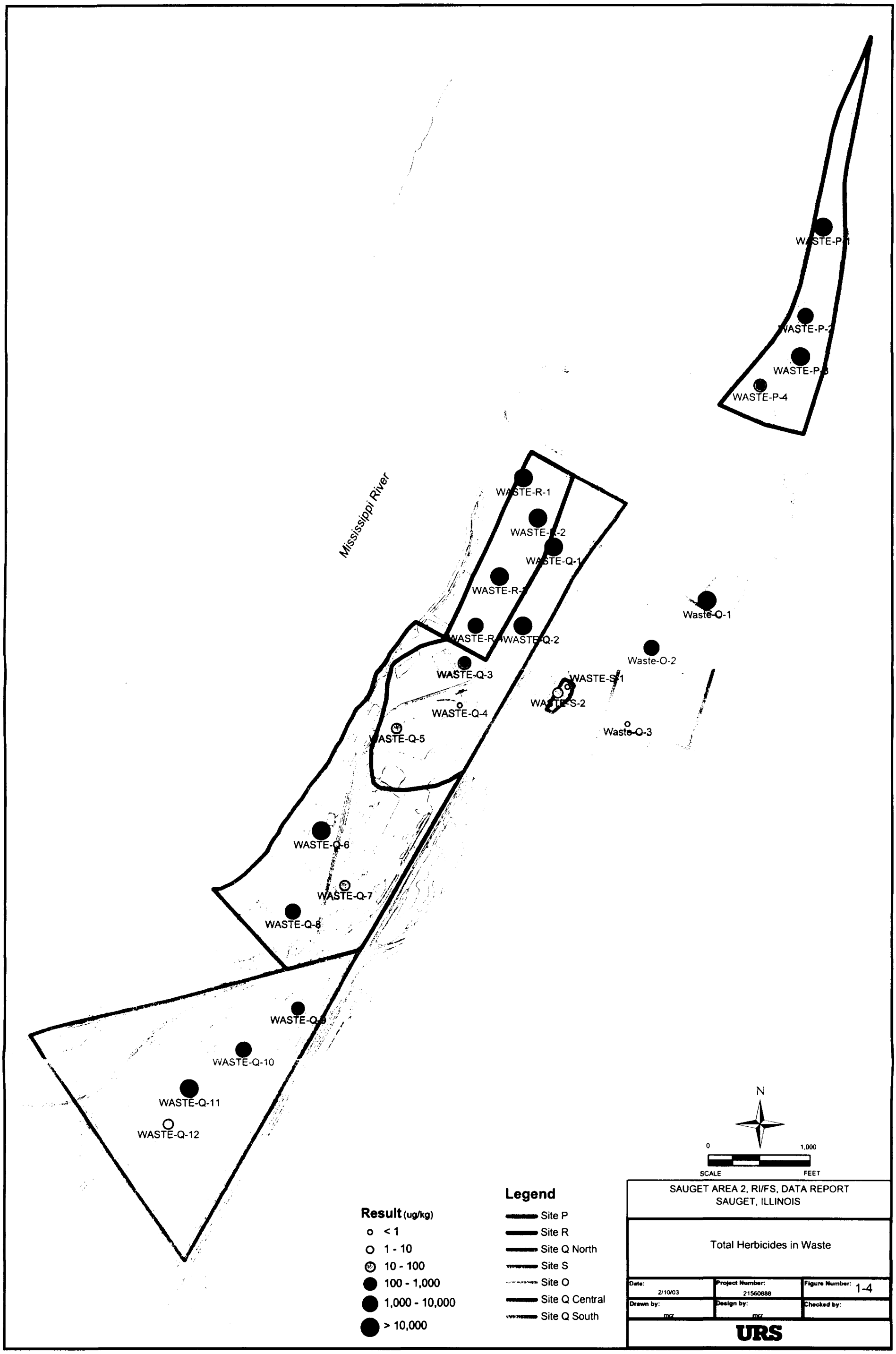
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Waste
Date: 2/10/03
Project Number: 21560888
Figure Number: 1-3
Drawn by: mcr
Design by: mcr
Checked by:
URS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WASTE-P-2
WASTE-P-3
WASTE-P-4
Mississippi River
WASTE-R-1
WASTE-R-2
WASTE-Q-1
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WASTE-R-4
WASTE-Q-2
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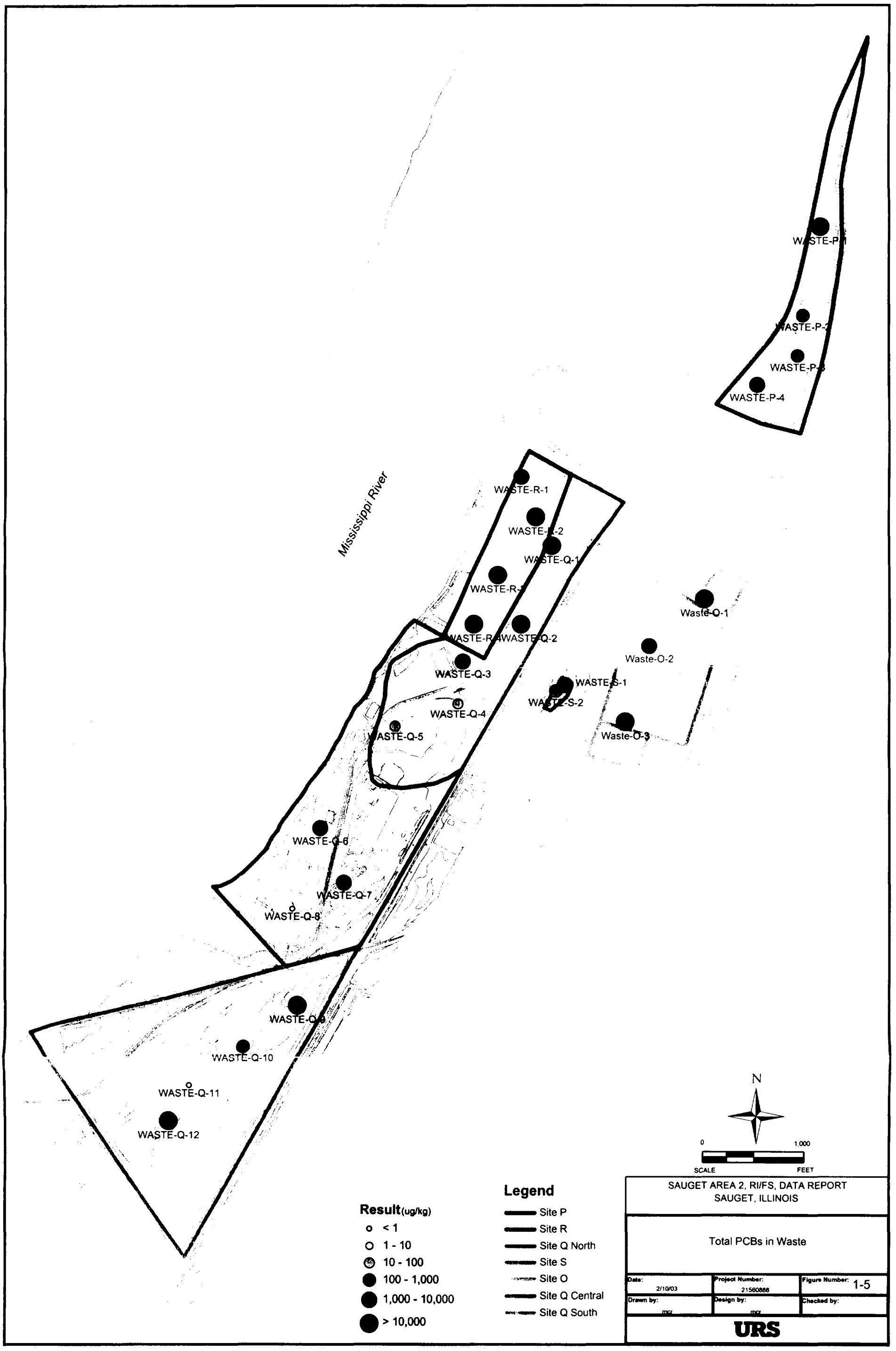
WASTE-Q-12
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-S-1
WASTE-S-2
N
0
1,000
SCALE
FEET
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Waste
Date: 2/10/03
Project Number: 21560888
Figure Number: 1-4
Drawn by: mgr
Design by: mgr
Checked by:
URS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WASTE-P-2
WASTE-P-3
WASTE-P-4
Mississippi River
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WASTE-R-2
WASTE-Q-1
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WASTE-R-4
WASTE-Q-2
WASTE-Q-3
WASTE-Q-4
WASTE-Q-5
WASTE-Q-6
WASTE-Q-7
WASTE-Q-8
WASTE-Q-9
WASTE-Q-10
WASTE-Q-11
WASTE-Q-12
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-S-1
WASTE-S-2
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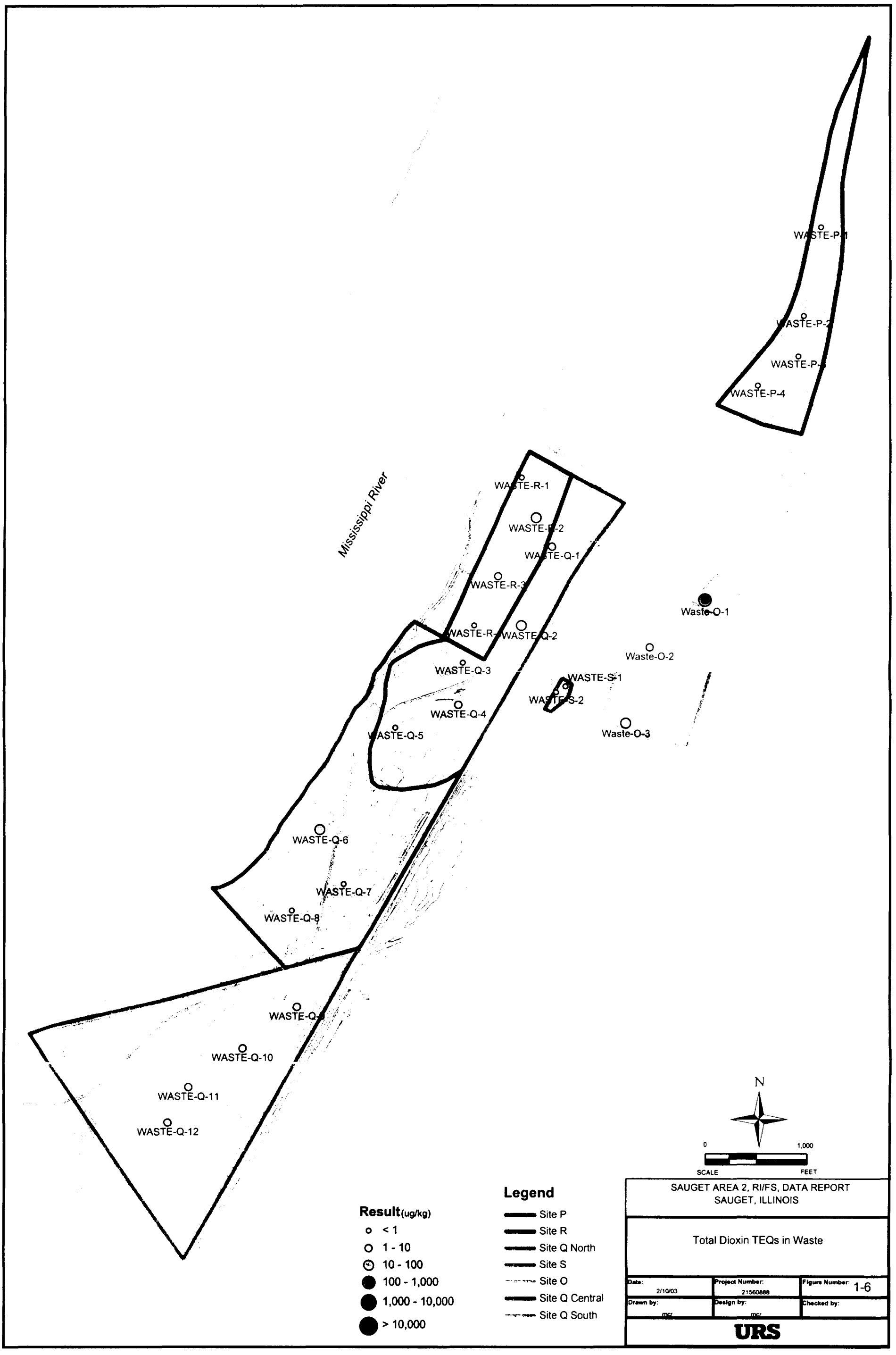
1,000
SCALE
FEET
Result(ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Waste
Date: 2/10/03
Project Number: 21560886
Figure Number: 1-5
Drawn by: mcr
Design by: mcr
Checked by:
URS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WASTE-P-2
WASTE-P-3
WASTE-P-4
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WASTE-R-1
WASTE-R-2
WASTE-Q-1
WASTE-R-3
WASTE-R-4
WASTE-Q-2
Waste-O-1
Waste-O-2
WASTE-Q-3
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WASTE-S-2
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SCALE
FEET
Result(ug/kg)
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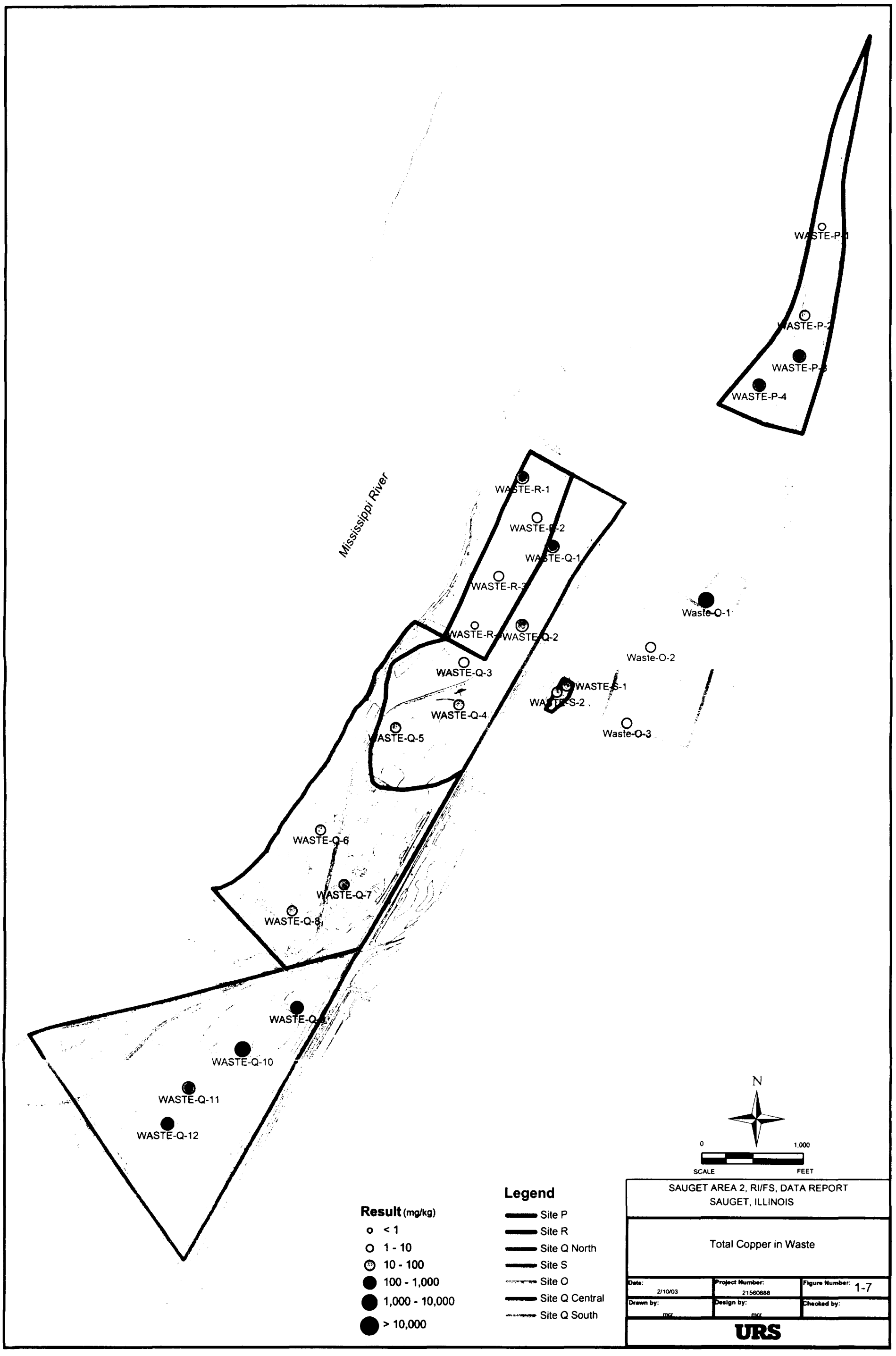
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Waste
Date: 2/10/03
Project Number: 21560888
Figure Number: 1-6
Drawn by: mcr
Design by: mcr
Checked by:
URS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WASTE-P-3
WASTE-P-4
Mississippi River
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WASTE-R-2
WASTE-Q-1
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WASTE-R-4
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SCALE
FEET
Result (mg/kg)
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1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Waste
Date: 2/10/03
Project Number: 21560888
Figure Number: 1-7
Drawn by: mcr
Design by: mcr
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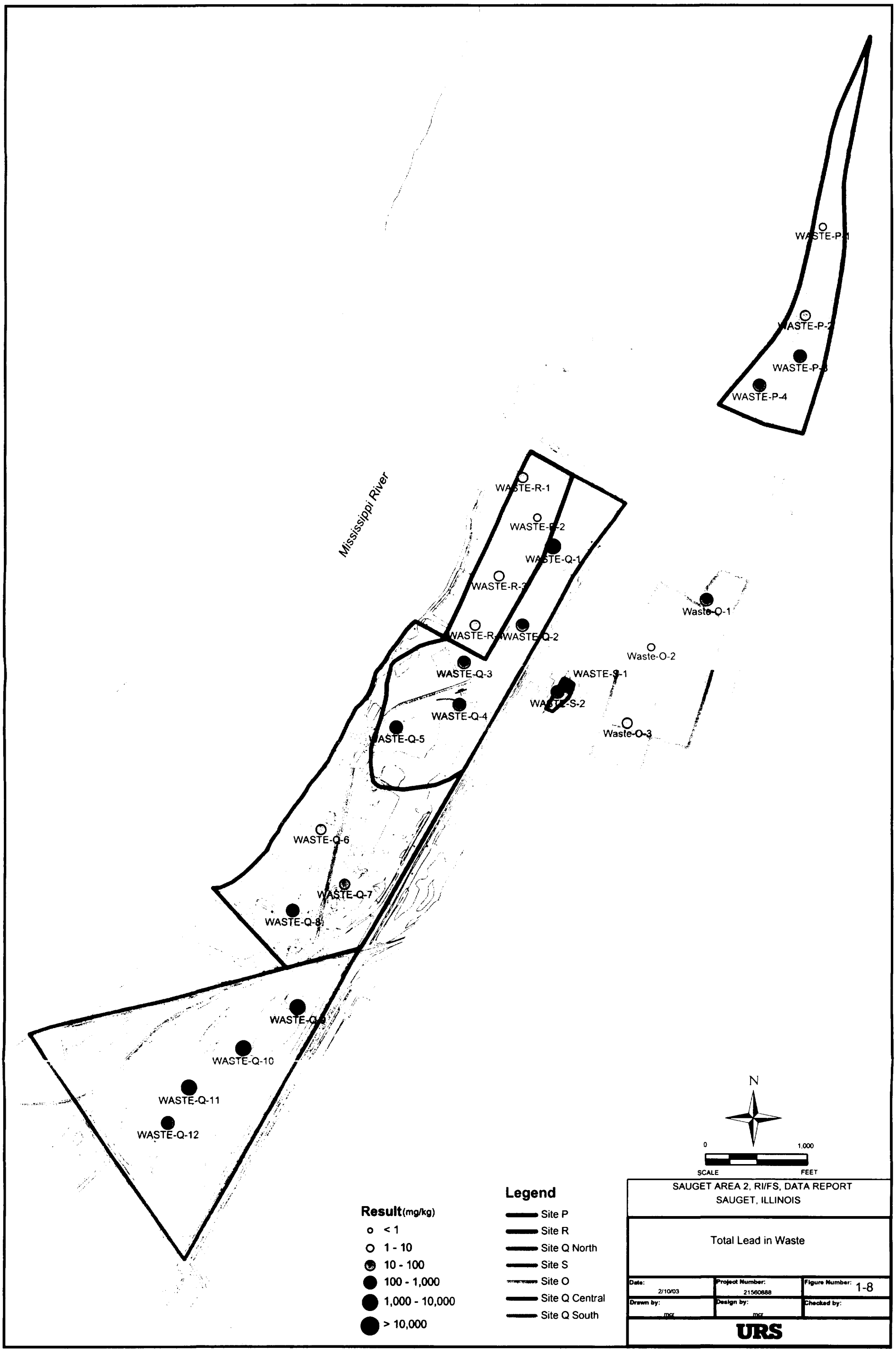
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WASTE-P-3
WASTE-P-4
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WASTE-R-2
WASTE-Q-1
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WASTE-R-4
WASTE-Q-2
WASTE-Q-3
WASTE-Q-4
WASTE-Q-5
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WASTE-S-2
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-Q-6
WASTE-Q-7
WASTE-Q-8
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1,000
SCALE
FEET
Result(mg/kg)
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1 - 10
10 - 100
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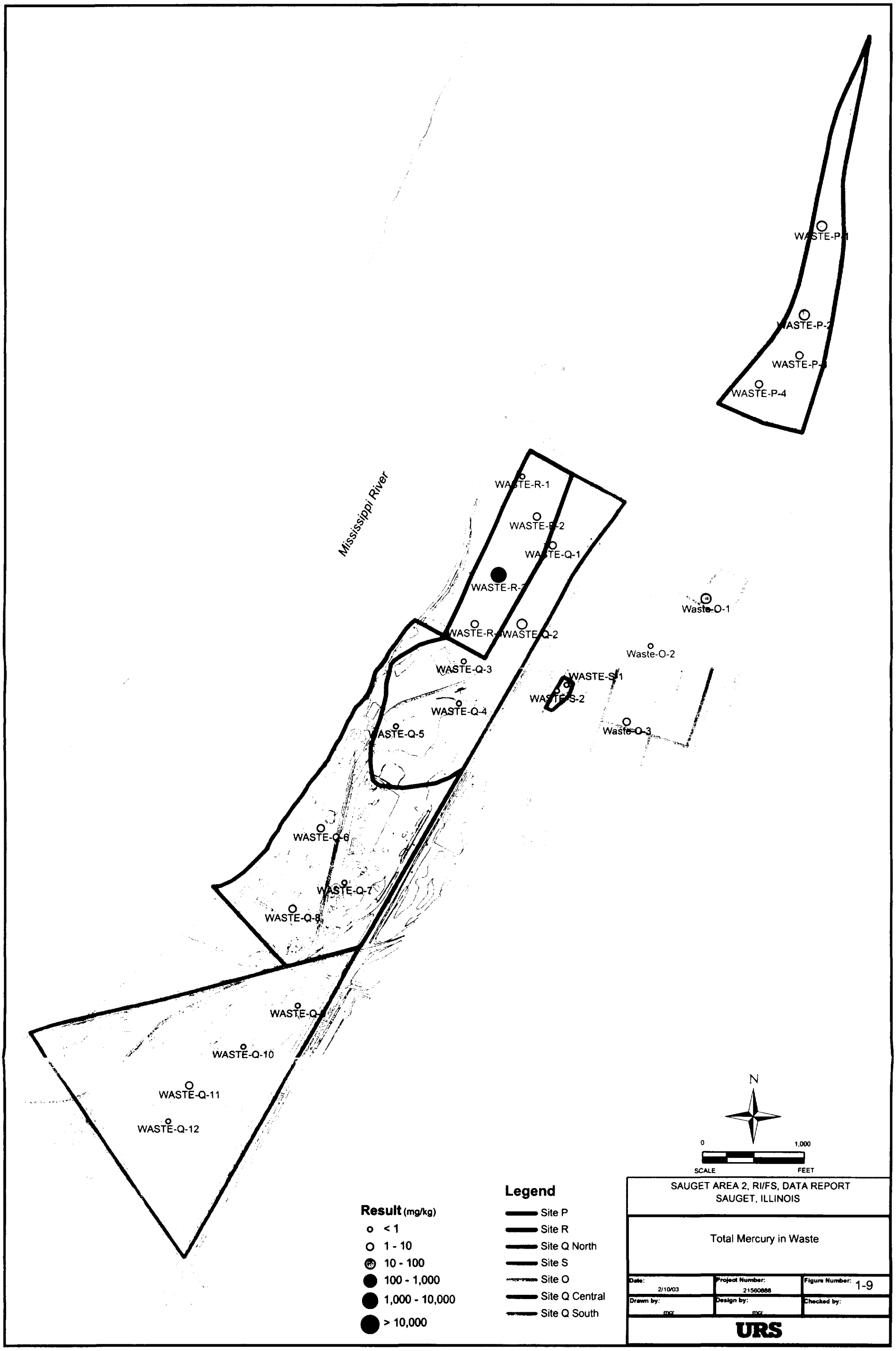
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Waste
Date: 2/10/03
Project Number: 21560688
Figure Number: 1-8
Drawn by: mcr
Design by: mcr
Checked by:
URS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WASTE-P-3
WASTE-P-4
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WASTE-R-2
WASTE-Q-1
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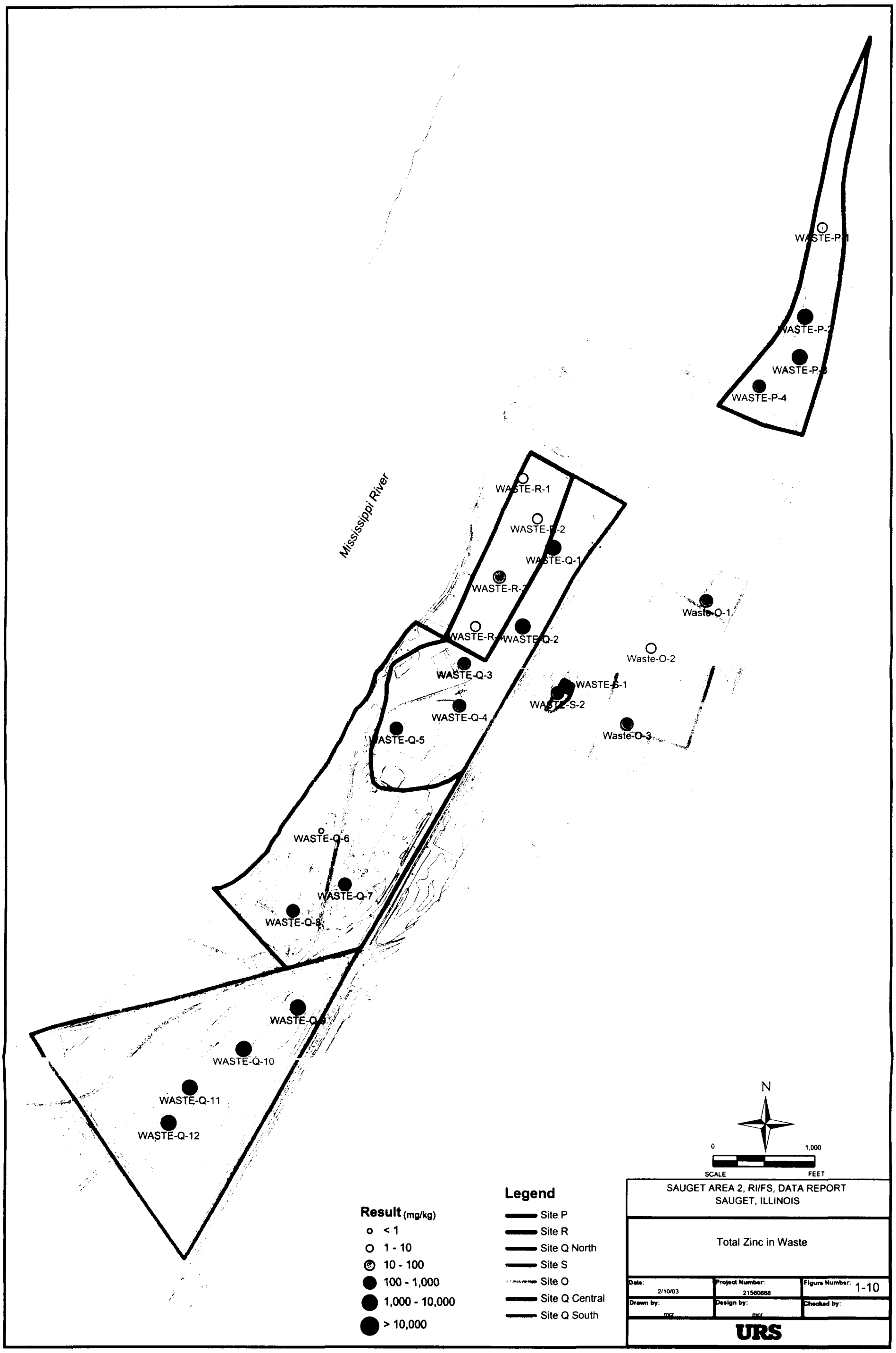
WASTE-Q-3
WASTE-Q-4
WASTE-Q-5
WASTE-Q-6
WASTE-Q-7
WASTE-Q-8
WASTE-Q-9
WASTE-Q-10
WASTE-Q-11
WASTE-Q-12
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-S-1
WASTE-S-2
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Waste
Date: 2/10/03
Project Number: 21560888
Figure Number: 1-9
Drawn by: mcr
Design by: mcr
Checked by:
URS


WASTE-P-1
WASTE-P-2
WASTE-P-3
WASTE-P-4
Mississippi River
WASTE-R-1
WASTE-R-2
WASTE-Q-1
WASTE-R-3
WASTE-R-4
WASTE-Q-2
WASTE-Q-3
WASTE-Q-4
WASTE-Q-5
WASTE-Q-6
WASTE-Q-7
WASTE-Q-8
WASTE-Q-9
WASTE-Q-10
WASTE-Q-11
WASTE-Q-12
Waste-O-1
Waste-O-2
Waste-O-3
WASTE-S-1
WASTE-S-2
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Waste
Date: 2/10/03
Project Number: 21560868
Figure Number: 1-10
Drawn by: mcr
Design by: mcr
Checked by:
URS

Section 2

Table 2-1
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-O-1-4FT-T 07/02/02 mg/l	Waste-O-1-4FT-T-DUP 07/02/02 mg/l	Waste-O-2-7FT-T 07/01/02 mg/l	Waste-O-3-9FT-T 07/01/02 mg/l	WASTE-P-1-15FT 07/16/02 mg/l	WASTE-P-2-6FT 07/16/02 mg/l	WASTE-P-3-22FT 07/17/02 mg/l	WASTE-P-4-17 07/16/02 mg/l
1,1-Dichloroethylene	0.02 U	0.02 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethane	0.02 U	0.02 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Butanone (MEK)	0.24 J	0.1 J	0.24 J	0.2 UJ	0.11 J	0.1 U	0.1 U	0.1 U
Benzene	0.097	0.11	0.67	3.3	0.022	0.0039 J	0.012 J	0.14
Carbon Tetrachloride	0.02 U	0.02 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlorobenzene	0.33	0.36	0.43	3.6	0.02 U	0.016 J	0.02 U	0.02 U
Chloroform	0.02 U	0.02 U	0.04 U	0.027 J	0.02 U	0.02 U	0.02 U	0.02 U
Tetrachloroethene	0.02 U	0.02 U	0.04 U	0.04 U	0.013 J	0.21	0.02 U	0.02 U
Trichloroethylene	0.02 U	0.02 U	0.04 U	0.0075 J	0.018 J	0.0085 J	0.02 U	0.02 U
Vinyl chloride	0.04 U	0.04 U	0.08 U	0.08 U	0.04 U	0.04 U	0.04 U	0.04 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-1
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8260 - Volatile Organic Compound Data

Sample ID	WASTE-Q-1-5FT	WASTE-Q-10-8	WASTE-Q-11-8	WASTE-Q-12-4	WASTE-Q-2-8FT	WASTE-Q-3-6FT	WASTE-Q-4-7	WASTE-Q-4-7-DUP	WASTE-Q-5-8
Sample Date	07/26/02	07/26/02	07/22/02	07/22/02	07/18/02	07/17/02	07/18/02	07/18/02	07/17/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound									
1,1-Dichloroethylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethane	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Butanone (MEK)	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzene	0.014 J	0.0023 J	0.0045 J	0.0034 J	0.01 J	0.0025 J	0.02 U	0.02 U	0.02 U
Carbon Tetrachloride	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlorobenzene	0.02 U	0.02 U	0.073	0.02 U	0.092	0.02 U	0.02 U	0.02 U	0.02 U
Chloroform	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Tetrachloroethene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Trichloroethylene	0.02 U	0.02 U	0.02 U	0.029	0.0044 J	0.0043 J	0.02 U	0.02 U	0.0096 J
Vinyl chloride	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-1
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-Q-6-15 07/19/02 mg/l	WASTE-Q-7-9 07/19/02 mg/l	WASTE-Q-8-7 07/19/02 mg/l	WASTE-Q-8-7-DUP 07/19/02 mg/l	WASTE-Q-9-8 07/26/02 mg/l	WASTE-Q-9-8-DUP 07/26/02 mg/l	WASTE-R-1-19FT 07/11/02 mg/l	WASTE-R-2-20FT 07/11/02 mg/l
1,1-Dichloroethylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1,2-Dichloroethane	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	2.1
2-Butanone (MEK)	0.1 U	0.1 U	0.1 J	0.1 UJ	0.1 U	0.1 U	0.1 U	0.2 J
Benzene	0.0073 J	0.0079 J	0.02 U	0.0079 J	0.0053 J	0.0032 J	0.4	1.4
Carbon Tetrachloride	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlorobenzene	0.02 U	0.03	0.02 U	0.02 U	0.02 U	0.02 U	2.6	1.8
Chloroform	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.018 J	0.061
Tetrachloroethene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.46	0.01 J
Trichloroethylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.027	0.02 U
Vinyl chloride	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-1
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-24FT 07/12/02 mg/l	WASTE-S-1-6FT-T 07/01/02 mg/l	WASTE-S-2-6FT-T 07/01/02 mg/l
1,1-Dichloroethylene	0.5 U	0.02 U	0.04 U	0.04 U
1,2-Dichloroethane	2	0.019 J	0.04 U	0.04 U
2-Butanone (MEK)	2.5 UJ	0.1 U	4.7 J	1.2 J
Benzene	1.2	0.038	0.067	0.047
Carbon Tetrachloride	0.5 U	0.02 U	0.04 U	0.04 U
Chlorobenzene	3	0.18	1.7	0.04 U
Chloroform	0.57	0.02 U	0.04 U	0.012 J
Tetrachloroethene	12	0.02 U	0.065	0.76
Trichloroethylene	74	0.02 U	0.58	0.72
Vinyl chloride	1 U	0.04 U	0.08 U	0.08 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-2
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	Waste-O-1-COMP-T 07/02/02 mg/l	Waste-O-1-COMP-T-DUP 07/02/02 mg/l	Waste-O-2-COMP-T 07/01/02 mg/l	Waste-O-3-COMP-T 07/01/02 mg/l	WASTE-P-1-COMP-T 07/16/02 mg/l	WASTE-P-2-COMP-T 07/16/02 mg/l
1,4-Dichlorobenzene	0.46	0.44	0.0074 J	0.28	0.035 J	0.43
2,4,5-Trichlorophenol	0.05 U	0.016 J	0.05 U	0.018 J	0.05 U	0.05 U
2,4,6-Trichlorophenol	0.29	0.32	0.0086 J	0.13	0.05 U	0.0024 J
2,4-Dinitrotoluene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Methylphenol (o-Cresol)	0.018 J	0.021 J	0.05 U	0.05 U	0.05 U	0.05 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	0.21	0.26	0.05 U	0.033 J	0.016 J	0.062
Cresol o,m,p	0.23	0.28	0.05 U	0.033 J	0.016 J	0.062
Hexachlorobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene	0.31	0.31	0.05 U	0.05	0.05 U	0.05 U
Pentachlorophenol	1.5	2.2	0.94	4.2	0.088 J	0.039 J
Pyridine	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-2
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-P-3-COMP-T 07/17/02 mg/l	WASTE-P-4-COMP-T 07/16/02 mg/l	WASTE-Q-1-COMP-T 07/26/02 mg/l	WASTE-Q-10-COMP-T 07/26/02 mg/l	WASTE-Q-11-COMP-T 07/22/02 mg/l	WASTE-Q-12-COMP-T 07/22/02 mg/l
1,4-Dichlorobenzene	0.16	0.05 U	0.054 J	0.05 U	0.0046 J	0.05 U
2,4,5-Trichlorophenol	0.05 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol	0.019 J	0.05 U	3.8	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene	0.05 U	0.05 U	0.25 UJ	0.05 U	0.05 U	0.05 U
2-Methylphenol (o-Cresol)	0.05 U	0.0019 J	0.25 U	0.05 U	0.05 U	0.05 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	0.017 J	0.013 J	0.25 U	0.05 U	0.05 U	0.05 U
Cresol o,m,p	0.017 J	0.015 J	0.25 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.05 U	0.05 U	0.25 UJ	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene	0.05 U	0.05 U	0.25 UJ	0.05 U	0.05 U	0.05 U
Hexachloroethane	0.05 U	0.05 U	0.25 UJ	0.05 U	0.05 U	0.05 U
Nitrobenzene	0.05 U	0.05 U	0.14 J	0.05 U	0.05 U	0.05 U
Pentachlorophenol	0.38	0.25 U	6.5	0.25 U	2.1	0.036 J
Pyridine	0.25 U	0.25 U	1.2 UJ	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-2
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-Q-2-COMP-T 07/18/02 mg/l	WASTE-Q-3-COMP-T 07/17/02 mg/l	WASTE-Q-4-COMP-T 07/18/02 mg/l	WASTE-Q-4-COMP-T-DUP 07/18/02 mg/l	WASTE-Q-5-COMP-T 07/17/02 mg/l	WASTE-Q-6-COMP-T 07/19/02 mg/l
1,4-Dichlorobenzene	0.046 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol	0.014 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol	0.17	0.05 U	0.0028 J	0.05 U	0.05 U	0.026 J
2,4-Dinitrotoluene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Methylphenol (o-Cresol)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	0.037 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Cresol o,m,p	0.037 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol	1.1	0.25 U	0.25 U	0.25 U	0.25 U	0.26
Pyridine	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-2
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-Q-7-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T-DUP 07/19/02 mg/l	WASTE-Q-9-COMP-T 07/26/02 mg/l	WASTE-Q-9-COMP-T-DUP 07/26/02 mg/l
1,4-Dichlorobenzene	0.0059 J	0.026 J	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol	0.05 U	0.05 U	0.05 U	0.05 U	0.034 J
2,4-Dinitrotoluene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Methylphenol (o-Cresol)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	0.0041 J	0.05 U	0.05 U	0.05 U	0.05 U
Cresol o,m,p	0.0041 J	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol	0.25 U	0.25 U	0.25 U	0.25 U	0.051 J
Pyridine	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-2
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	WASTE-R-1-COMP-T 07/11/02 mg/l	WASTE-R-2-COMP-T 07/11/02 mg/l	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-COMP-T 7/12/02 mg/l	WASTE-S-1-COMP-T 07/01/02 mg/l	WASTE-S-2-COMP-T 07/01/02 mg/l
1,4-Dichlorobenzene	0.22	0.025 J	0.15	0.05 U	0.13	0.05 U
2,4,5-Trichlorophenol	0.05 U	0.05 U	0.05 U	0.25 U	0.05 U	0.05 U
2,4,6-Trichlorophenol	1.3	12	0.66	2.9 J	0.3	0.05 U
2,4-Dinitrotoluene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Methylphenol (o-Cresol)	0.042 J	0.94 J	0.17	0.0029 J	0.05	0.13
3-Methylphenol/4-Methylphenol (m&p-Cresol)	0.78	0.7	1.9 J	0.025 J	0.62	0.2
Cresol o,m,p	0.8	1.4	2.1 J	0.028 J	0.67	0.33
Hexachlorobenzene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene	3.2	1.4	0.21	0.05 U	0.05 U	0.05 U
Pentachlorophenol	0.25 U	0.074 J	0.25 U	0.062 J	NR	0.25 U
Pyridine	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-3
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8081A - Pesticide Data

Sample ID Sample Date Units Compound	Waste-O-1-COMP-T 07/02/02 mg/l	Waste-O-1-COMP-T-DUP 07/02/02 mg/l	Waste-O-2-COMP-T 07/01/02 mg/l	Waste-O-3-COMP-T 07/01/02 mg/l	WASTE-P-1-COMP-T 07/16/02 mg/l	WASTE-P-2-COMP-T 07/16/02 mg/l
Chlordane	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 UJ
Endrin	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 UJ
gamma-BHC (Lindane)	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U	0.0025 UJ
Heptachlor	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U	0.00068 J
Heptachlor Epoxide	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U	0.0025 UJ
Methoxychlor	0.025 U	0.025 UJ	0.025 U	0.006 J	0.025 U	0.025 UJ
Toxaphene	0.25 U	0.25 UJ	0.25 U	0.25 U	0.25 U	0.25 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-3
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8081A - Pesticide Data

Sample ID Sample Date Units Compound	WASTE-P-3-COMP-T 07/17/02 mg/l	WASTE-P-4-COMP-T 07/16/02 mg/l	WASTE-Q-1-COMP-T 07/26/02 mg/l	WASTE-Q-10-COMP-T 07/26/02 mg/l	WASTE-Q-11-COMP-T 07/22/02 mg/l	WASTE-Q-12-COMP-T 07/22/02 mg/l
Chlordane	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U
Endrin	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
gamma-BHC (Lindane)	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Heptachlor	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Heptachlor Epoxide	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Methoxychlor	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U
Toxaphene	0.25 U	0.25 U	0.25 UJ	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-3
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8081A - Pesticide Data

Sample ID Sample Date Units Compound	WASTE-Q-2-COMP-T 07/18/02 mg/l	WASTE-Q-3-COMP-T 07/17/02 mg/l	WASTE-Q-4-COMP-T 07/18/02 mg/l	WASTE-Q-4-COMP-T-DUP 07/18/02 mg/l	WASTE-Q-5-COMP-T 07/17/02 mg/l	WASTE-Q-6-COMP-T 07/19/02 mg/l
Chlordane	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U
Endrin	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
gamma-BHC (Lindane)	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Heptachlor	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Heptachlor Epoxide	0.0025 U	0.0025 U	0.0025 UJ	0.0025 U	0.0025 U	0.0025 U
Methoxychlor	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 U
Toxaphene	0.25 U	0.25 U	0.25 UJ	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-3
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8081A - Pesticide Data

Sample ID Sample Date Units Compound	WASTE-Q-7-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T-DUP 07/19/02 mg/l	WASTE-Q-9-COMP-T 07/26/02 mg/l	WASTE-Q-9-COMP-T-DUP 07/26/02 mg/l	WASTE-R-1-COMP-T 07/11/02 mg/l
Chlordane	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Endrin	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
gamma-BHC (Lindane)	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Heptachlor	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Heptachlor Epoxide	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Methoxychlor	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Toxaphene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-3
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8081A - Pesticide Data

Sample ID Sample Date Units Compound	WASTE-R-2-COMP-T 07/11/02 mg/l	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-COMP-T 7/12/02 mg/l	WASTE-S-1-COMP-T 07/01/02 mg/l	WASTE-S-2-COMP-T 07/01/02 mg/l
Chlordane	0.025 U	0.025 U	0.05 U	0.025 U	0.025 U
Endrin	0.005 U	0.005 U	0.01 UJ	0.005 U	0.005 U
gamma-BHC (Lindane)	0.0025 U	0.0025 U	0.005 U	0.0025 U	0.00013 J
Heptachlor	0.0025 U	0.0014 J	0.005 U	0.0025 U	0.00033 J
Heptachlor Epoxide	0.0025 U	0.0025 U	0.005 U	0.0025 U	0.0025 U
Methoxychlor	0.025 U	0.025 U	0.0049 J	0.025 U	0.025 U
Toxaphene	0.25 U	0.25 U	0.5 U	0.25 U	0.25 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-4
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8151 - Herbicide Data

Sample ID Sample Date Units Compound	Waste-O-1-COMP-T 07/02/02 mg/l	Waste-O-1-COMP-T-DUP 07/02/02 mg/l	Waste-O-2-COMP-T 07/01/02 mg/l	Waste-O-3-COMP-T 07/01/02 mg/l	WASTE-P-1-COMP-T 07/16/02 mg/l	WASTE-P-2-COMP-T 07/16/02 mg/l
2,4,5-TP (Silvex)	0.0041 J	0.0069 J	0.025 U	0.0061 J	0.025 U	0.025 U
2,4-D	1.4 J	2.4 J	0.19	1.2 J	0.025 U	0.025 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-4
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8151 - Herbicide Data

Sample ID Sample Date Units Compound	WASTE-P-3-COMP-T 07/17/02 mg/l	WASTE-P-4-COMP-T 07/16/02 mg/l	WASTE-Q-1-COMP-T 07/26/02 mg/l	WASTE-Q-10-COMP-T 07/26/02 mg/l	WASTE-Q-11-COMP-T 07/22/02 mg/l	WASTE-Q-12-COMP-T 07/22/02 mg/l
2,4,5-TP (Silvex)	0.025 U	0.025 U	NR	0.025 U	0.025 U	0.025 U
2,4-D	0.025 U	0.025 U	2.9 J	0.025 U	0.025 U	0.025 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-4
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8151 - Herbicide Data

Sample ID Sample Date Units Compound	WASTE-Q-2-COMP-T 07/18/02 mg/l	WASTE-Q-3-COMP-T 07/17/02 mg/l	WASTE-Q-4-COMP-T 07/18/02 mg/l	WASTE-Q-4-COMP-T-DUP 07/18/02 mg/l	WASTE-Q-5-COMP-T 07/17/02 mg/l	WASTE-Q-6-COMP-T 07/19/02 mg/l
2,4,5-TP (Silvex)	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
2,4-D	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-4
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8151 - Herbicide Data

Sample ID Sample Date Units Compound	WASTE-Q-7-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T-DUP 07/19/02 mg/l	WASTE-Q-9-COMP-T 07/26/02 mg/l	WASTE-Q-9-COMP-T-DUP 07/26/02 mg/l	WASTE-R-1-COMP-T 07/11/02 mg/l
2,4,5-TP (Silvex)	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	2.5 U
2,4-D	0.025 U	0.025 U	0.025 U	0.025 U	0.028	18 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-4
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8151 - Herbicide Data

Sample ID Sample Date Units Compound	WASTE-R-2-COMP-T 07/11/02 mg/l	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-COMP-T 7/12/02 mg/l	WASTE-S-1-COMP-T 07/01/02 mg/l	WASTE-S-2-COMP-T 07/01/02 mg/l
2,4,5-TP (Silvex)	2.5 U	0.12 U	0.025 R	0.025 U	0.025 U
2,4-D	23 J	0.78 J	0.15 J	0.064 J	0.025 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-5
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	Waste-O-1-COMP-T 07/02/02 mg/l	Waste-O-1-COMP-T-DUP 07/02/02 mg/l	Waste-O-2-COMP-T 07/01/02 mg/l	Waste-O-3-COMP-T 07/01/02 mg/l	WASTE-P-1-COMP-T 07/16/02 mg/l	WASTE-P-2-COMP-T 07/16/02 mg/l
Decachlorobiphenyl	0.005 U	0.005 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Dichlorobiphenyl	0.013	0.0098	0.00072	0.0077	0.0005 U	0.0005 U
Heptachlorobiphenyl	0.003 U	0.003 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Hexachlorobiphenyl	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Monochlorobiphenyl	0.05	0.039	0.00049 J	0.037	0.0005 U	0.0005 U
Nonachlorobiphenyl	0.005 U	0.005 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Octachlorobiphenyl	0.003 U	0.003 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Pentachlorobiphenyl	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachlorobiphenyl	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorobiphenyl	0.0035	0.0025	0.00032 J	0.00068	0.0005 U	0.0005 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-5
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	WASTE-P-3-COMP-T 07/17/02 mg/l	WASTE-P-4-COMP-T 07/16/02 mg/l	WASTE-Q-1-COMP-T 07/26/02 mg/l	WASTE-Q-10-COMP-T 07/26/02 mg/l	WASTE-Q-11-COMP-T 07/22/02 mg/l	WASTE-Q-12-COMP-T 07/22/02 mg/l
Decachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Dichlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Hexachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Monochlorobiphenyl	0.0005 U	0.00022 J	0.002	0.0005 U	0.0005 U	0.0005 U
Nonachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Octachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Pentachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-5
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	WASTE-Q-2-COMP-T 07/18/02 mg/l	WASTE-Q-3-COMP-T 07/17/02 mg/l	WASTE-Q-4-COMP-T 07/18/02 mg/l	WASTE-Q-4-COMP-T-DUP 07/18/02 mg/l	WASTE-Q-5-COMP-T 07/17/02 mg/l	WASTE-Q-6-COMP-T 07/19/02 mg/l
Decachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Dichlorobiphenyl	0.00037 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Hexachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Monochlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nonachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Octachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Pentachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorobiphenyl	0.00046 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-5
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	WASTE-Q-7-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T-DUP 07/19/02 mg/l	WASTE-Q-9-COMP-T 07/26/02 mg/l	WASTE-Q-9-COMP-T-DUP 07/26/02 mg/l	WASTE-R-1-COMP-T 07/11/02 mg/l
Decachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Dichlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Hexachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Monochlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Nonachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Octachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Pentachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-5
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	WASTE-R-2-COMP-T 07/11/02 mg/l	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-COMP-T 7/12/02 mg/l	WASTE-S-1-COMP-T 07/01/02 mg/l	WASTE-S-2-COMP-T 07/01/02 mg/l
Decachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Dichlorobiphenyl	0.00094	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Heptachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Hexachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Monochlorobiphenyl	0.0005 U	0.001	0.0005 U	0.00028 J	0.0005 U
Nonachlorobiphenyl	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Octachlorobiphenyl	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Pentachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachlorobiphenyl	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorobiphenyl	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-6
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-O-1-4FT 07/02/02 ug/l	Waste-O-2-7FT 07/01/02 ug/l	Waste-O-3-9FT 07/01/02 ug/l	WASTE-P-1-15FT 07/16/02 ug/l	WASTE-P-2-6FT 07/16/02 ug/l	WASTE-P-3-22FT 07/17/02 ug/l	WASTE-P-4-17 07/16/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.0017 J	0.00063 UJ	0.035 J	0.00029 U	0.0007 U	0.0003 U	0.00043 U
1,2,3,4,6,7,8-HpCDF	0.00049 U	0.00013 UJ	0.0037 J	0.00032 U	0.00055 U	0.00049 U	0.00058 U
1,2,3,4,7,8,9-HpCDF	0.0005 U	0.00028 UJ	0.00036 UJ	0.0006 U	0.0008 U	0.00077 U	0.0007 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00027 U	0.0002 UJ	0.00018 UJ	0.00039 U	0.0007 U	0.00059 U	0.00051 U
1,2,3,4,7,8-HxCDF	0.00025 U	0.000088 UJ	0.00062 UJ	0.00021 U	0.00023 U	0.00021 U	0.00022 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00031 U	0.00023 UJ	0.00084 UJ	0.00038 U	0.00071 U	0.00058 U	0.00057 U
1,2,3,6,7,8-HxCDF	0.00012 UJ	0.000066 UJ	0.00022 UJ	0.0002 U	0.00022 U	0.00025 U	0.00022 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.00025 U	0.0002 UJ	0.00031 UJ	0.00049 U	0.00068 U	0.00051 U	0.0007 U
1,2,3,7,8,9-HxCDF	0.00019 U	0.000085 UJ	0.000041 UJ	0.00022 U	0.00031 U	0.00031 U	0.00036 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00074 U	0.00035 UJ	0.00071 UJ	0.0011 U	0.00093 U	0.00092 U	0.00078 U
1,2,3,7,8-Pentachlorodibenzofuran	0.00017 U	0.000075 UJ	0.00013 UJ	0.00023 U	0.00027 U	0.00022 U	0.00027 U
2,3,4,6,7,8-HxCDF	0.00023 U	0.000061 UJ	0.00012 UJ	0.00024 U	0.00027 U	0.00023 U	0.00023 U
2,3,4,7,8-PeCDF	0.00016 U	0.000069 UJ	0.00014 UJ	0.00016 U	0.00038 U	0.00028 U	0.00042 U
2,3,7,8-TCDD	0.0002 U	0.000094 UJ	0.00013 UJ	0.00033 U	0.00032 U	0.00026 U	0.00032 U
2,3,7,8-Tetrachlorodibenzofuran	0.00022 U	0.000039 UJ	0.00035 UJ	0.00017 U	0.0003 U	0.0002 U	0.0002 U
OCDD	0.027	0.0096 J	0.46 J	0.00088 U	0.0083 U	0.001 U	0.00071 U
OCDF	0.0006 U	0.00061 UJ	0.017 J	0.00061 U	0.00069 U	0.00086 U	0.0017 U
Total HpCDD	0.0036	0.00063 UJ	0.078 J	0.0011 U	0.0012 U	0.0012 U	0.001 U
Total HpCDF	0.00072 U	0.00028 UJ	0.019 J	0.0007 U	0.00095 U	0.00094 U	0.001 U
Total HxCDD	0.00056 U	0.00023 UJ	0.0013 J	0.00049 U	0.0008 U	0.00067 U	0.0007 U
Total HxCDF	0.00025 U	0.00012 UJ	0.0018 J	0.00027 U	0.00034 U	0.00032 U	0.00036 U
Total PeCDD	0.00074 U	0.0004 UJ	0.00071 UJ	0.0011 U	0.00096 U	0.001 U	0.0013 U
Total PeCDF	0.00017 U	0.000075 UJ	0.00014 UJ	0.00034 U	0.00045 U	0.00042 U	0.00051 U
Total TCDD	0.0002 U	0.000094 UJ	0.00013 UJ	0.00033 U	0.00032 U	0.00026 U	0.00032 U
Total TCDF	0.00024 U	0.00016 UJ	0.00035 UJ	0.00025 U	0.00034 U	0.00029 U	0.00028 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-6
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-Q-10-8 07/26/02 ug/l	WASTE-Q-11-8 07/22/02 ug/l	WASTE-Q-12-4 07/22/02 ug/l	WASTE-Q-2-8FT 07/18/02 ug/l	WASTE-Q-3-6FT 07/17/02 ug/l	WASTE-Q-4-7 07/18/02 ug/l	WASTE-Q-4-7-DUP 07/18/02 ug/l	WASTE-Q-5-8 07/17/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.00022 U	0.00056 U	0.00062 U	0.0019 J	0.0004 U	0.00034 U	0.00021 U	0.00056 U
1,2,3,4,6,7,8-HpCDF	0.00016 U	0.00077 U	0.00048 U	0.00012 U	0.00043 U	0.00038 U	0.00022 U	0.0003 U
1,2,3,4,7,8,9-HpCDF	0.00029 U	0.0015 U	0.00077 U	0.00015 U	0.00075 U	0.00041 U	0.00032 U	0.00053 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00021 U	0.001 U	0.00054 U	0.00012 U	0.00048 U	0.00027 U	0.00023 U	0.00053 U
1,2,3,4,7,8-HxCDF	0.000083 U	0.00039 U	0.00018 U	0.00036 U	0.00027 U	0.00015 U	0.000078 U	0.00018 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00022 U	0.00094 U	0.00061 U	0.00014 U	0.00047 U	0.0003 U	0.00025 U	0.00052 U
1,2,3,6,7,8-HxCDF	0.000081 U	0.00036 U	0.00019 U	0.000078 U	0.00025 U	0.00014 U	0.000093 U	0.00017 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.00017 U	0.00082 U	0.00056 U	0.00012 U	0.00041 U	0.00014 U	0.0002 U	0.00044 U
1,2,3,7,8,9-HxCDF	0.00013 U	0.00045 U	0.00035 U	0.00005 U	0.00035 U	0.00015 U	0.0001 U	0.00023 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00023 U	0.0015 U	0.00084 U	0.00014 U	0.00078 U	0.00049 U	0.00026 U	0.0007 U
1,2,3,7,8-Pentachlorodibenzofuran	0.0001 U	0.00043 U	0.00025 U	0.00004 U	0.00028 U	0.00023 U	0.000082 U	0.0011 U
2,3,4,6,7,8-HxCDF	0.000086 U	0.00029 U	0.00024 U	0.000051 U	0.00036 U	0.00014 U	0.00011 U	0.00023 U
2,3,4,7,8-PeCDF	0.00012 U	0.00045 U	0.0003 U	0.000037 U	0.00028 U	0.00015 U	0.00007 U	0.00015 U
2,3,7,8-TCDD	0.00011 U	0.00047 U	0.00025 U	0.000086 U	0.00023 U	0.00038 U	0.00024 U	0.00022 U
2,3,7,8-Tetrachlorodibenzofuran	0.0001 U	0.00027 U	0.00018 U	0.000028 U	0.00021 U	0.000077 U	0.000042 U	0.00019 U
OCDD	0.00099 U	0.0021 U	0.0027 U	0.019	0.00087 U	0.0015 U	0.00018 U	0.00064 U
OCDF	0.00034 U	0.00091 U	0.0006 U	0.0011 U	0.00053 U	0.00054 U	0.00041 U	0.00068 U
Total HpCDD	0.0008 U	0.0016 U	0.0015 U	0.0038	0.0011 U	0.00065 U	0.00057 U	0.001 U
Total HpCDF	0.00036 U	0.0018 U	0.00098 U	0.00052 U	0.00094 U	0.00062 U	0.00042 U	0.00064 U
Total HxCDD	0.00027 U	0.0011 U	0.00063 U	0.00014 U	0.00056 U	0.00051 U	0.00027 U	0.00057 U
Total HxCDF	0.00013 U	0.0005 U	0.00035 U	0.00036 U	0.00038 U	0.00018 U	0.00013 U	0.00023 U
Total PeCDD	0.00028 U	0.0018 U	0.00084 U	0.00014 U	0.001 U	0.00049 U	0.00033 U	0.00078 U
Total PeCDF	0.00015 U	0.00069 U	0.00037 U	0.000041 U	0.00037 U	0.0004 U	0.00011 U	0.0011 U
Total TCDD	0.00011 U	0.00047 U	0.00025 U	0.000086 U	0.00023 U	0.00038 U	0.00024 U	0.00022 U
Total TCDF	0.0001 U	0.00039 U	0.00018 U	0.000033 U	0.00027 U	0.000077 U	0.000042 U	0.00019 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-6
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-Q-6-15 07/19/02 ug/l	WASTE-Q-6-15-DUP 07/19/02 ug/l	WASTE-Q-7-9 07/19/02 ug/l	WASTE-Q-8-7 07/19/02 ug/l	WASTE-Q-8-7-DUP 07/19/02 ug/l	WASTE-Q-9-8 07/26/02 ug/l	WASTE-Q-9-8-DUP 07/26/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.00056 U	0.00044 U	0.00032 U	0.00066 U	0.00057 U	0.00021 U	0.00024 U
1,2,3,4,6,7,8-HpCDF	0.0017 U	0.00043 U	0.00035 U	0.0013 U	0.00055 U	0.00028 U	0.00017 U
1,2,3,4,7,8,9-HpCDF	0.00092 U	0.00071 U	0.00072 U	0.0016 U	0.00088 U	0.00036 U	0.00024 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00071 U	0.00052 U	0.00038 U	0.001 U	0.00053 U	0.00024 U	0.00023 U
1,2,3,4,7,8-HxCDF	0.00031 U	0.00018 U	0.00021 U	NR	0.00027 U	0.000085 U	0.000065 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00093 U	0.0005 U	0.00043 U	NR	0.00052 U	0.00024 U	0.00025 U
1,2,3,6,7,8-HxCDF	0.00029 U	0.00017 U	0.00013 U	0.00053 U	0.00025 U	0.000082 U	0.000063 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.00081 U	0.00042 U	0.00037 U	NR	0.00056 U	0.0002 U	0.0002 U
1,2,3,7,8,9-HxCDF	0.00036 U	0.00024 U	0.00024 U	0.00058 U	0.00037 U	0.00018 U	0.000094 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00093 U	0.0012 U	0.00071 U	NR	0.00083 U	0.00031 U	0.00021 U
1,2,3,7,8-Pentachlorodibenzofuran	0.00043 U	0.00028 U	0.0003 U	NR	0.00034 U	0.00014 U	0.000074 U
2,3,4,6,7,8-HxCDF	0.00035 U	0.00021 U	0.00016 U	NR	0.00021 U	0.00013 U	0.000082 U
2,3,4,7,8-PeCDF	0.00031 U	0.00018 U	0.00024 U	0.00068 U	0.00026 U	0.00014 U	0.000084 U
2,3,7,8-TCDD	0.0005 U	0.00023 U	0.00038 U	0.00054 U	0.00035 U	0.00019 U	0.00011 U
2,3,7,8-Tetrachlorodibenzofuran	0.00032 U	0.00017 U	0.00018 U	NR	0.00035 U	0.000083 U	0.000068 U
OCDD	0.0034 U	0.0019 U	0.0012 U	0.0036 U	0.00089 U	0.00066 U	0.0014 U
OCDF	0.00087 U	0.00093 U	0.00052 U	NR	0.00075 U	0.00034 U	0.00031 U
Total HpCDD	0.0035 U	0.00044 U	0.0012 U	0.0022 U	0.0014 U	0.00081 U	0.00047 U
Total HpCDF	0.0017 U	0.00083 U	0.00085 U	NR	0.001 U	0.00046 U	0.00042 U
Total HxCDD	0.001 U	0.00054 U	0.00049 U	NR	0.00059 U	0.00028 U	0.00025 U
Total HxCDF	0.00042 U	0.00027 U	0.00027 U	0.00062 U	0.00037 U	0.00018 U	0.0001 U
Total PeCDD	0.0013 U	0.0014 U	0.00098 U	NR	0.0011 U	0.00031 U	0.00021 U
Total PeCDF	0.00062 U	0.00032 U	0.0012 U	0.00083 U	0.00047 U	0.0002 U	0.0001 U
Total TCDD	0.0005 U	0.00023 U	0.00038 U	0.00054 U	0.00035 U	0.00019 U	0.00011 U
Total TCDF	0.00032 U	0.00017 U	0.00018 U	NR	0.00037 U	0.000083 U	0.000068 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-6
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	WASTE-R-1-19FT 07/11/02 ug/l	WASTE-R-2-20FT 07/11/02 ug/l	WASTE-R-3-22FT 07/12/02 ug/l	WASTE-R-4-24FT 07/12/02 ug/l	WASTE-S-1-6FT 07/01/02 ug/l	WASTE-S-2-6FT 07/01/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.00014 U	0.00033 U	0.00038 UJ	0.0011 UJ	0.00028 UJ	0.000072 UJ
1,2,3,4,6,7,8-HpCDF	0.0014 U	0.0012 U	0.00048 UJ	0.00061 UJ	0.00029 UJ	0.00011 UJ
1,2,3,4,7,8,9-HpCDF	0.00059 U	0.00063 U	0.00052 UJ	0.00091 UJ	0.00042 UJ	0.00031 UJ
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.0004 U	0.0005 U	0.00041 UJ	0.00072 UJ	0.00037 UJ	0.00018 UJ
1,2,3,4,7,8-HxCDF	0.00019 U	0.00014 U	0.00012 UJ	0.00035 UJ	0.00017 UJ	0.000094 UJ
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00041 U	0.00051 U	0.00045 UJ	0.00095 UJ	0.00042 UJ	0.0002 UJ
1,2,3,6,7,8-HxCDF	0.00019 U	0.00018 U	0.00017 UJ	0.00035 UJ	0.00017 UJ	0.000095 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.00038 U	0.00038 U	0.00063 UJ	0.00078 UJ	0.00038 UJ	0.00023 UJ
1,2,3,7,8,9-HxCDF	0.0003 U	0.00028 U	0.0003 UJ	0.00047 UJ	0.00017 UJ	0.000089 UJ
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00096 U	0.00069 U	0.00057 UJ	0.0011 UJ	0.00073 UJ	0.00035 UJ
1,2,3,7,8-Pentachlorodibenzofuran	0.00014 U	0.00012 U	0.00026 UJ	0.00028 UJ	0.00019 UJ	0.000084 UJ
2,3,4,6,7,8-HxCDF	0.00022 U	0.00023 U	0.00021 UJ	0.00041 UJ	0.00019 UJ	0.00011 UJ
2,3,4,7,8-PeCDF	0.00027 U	0.00016 U	0.00032 UJ	0.00055 UJ	0.0002 UJ	0.000089 UJ
2,3,7,8-TCDD	0.00015 U	0.00013 U	0.00029 UJ	0.0004 UJ	0.00017 UJ	0.0001 UJ
2,3,7,8-Tetrachlorodibenzofuran	0.00021 U	0.00013 U	0.00022 UJ	0.00031 UJ	0.00015 UJ	0.000055 UJ
OCDD	0.0058	0.003 J	0.0074 UJ	0.0012 UJ	0.0021 UJ	0.00062 UJ
OCDF	0.00058 U	0.00062 U	0.00058 UJ	0.00084 UJ	0.00074 UJ	0.0004 UJ
Total HpCDD	0.00087 U	0.00039 U	0.00066 UJ	0.0015 UJ	0.00028 UJ	0.0001 UJ
Total HpCDF	0.00079 U	0.00085 U	0.002 UJ	0.0015 UJ	0.00076 UJ	0.00052 UJ
Total HxCDD	0.0006 U	0.00066 U	0.00063 UJ	0.001 UJ	0.00042 UJ	0.00027 UJ
Total HxCDF	0.00036 U	0.00036 U	0.00032 UJ	0.0005 UJ	0.00021 UJ	0.00011 UJ
Total PeCDD	0.00096 U	0.0018 U	0.00089 UJ	0.0011 UJ	0.00073 UJ	0.00044 UJ
Total PeCDF	0.00034 U	0.00036 U	0.00035 UJ	0.00062 UJ	0.00024 UJ	0.000089 UJ
Total TCDD	0.00015 U	0.00013 U	0.00029 UJ	0.0004 UJ	0.00017 UJ	0.0001 UJ
Total TCDF	0.00051 U	0.00053 U	0.00023 UJ	0.00038 UJ	0.00015 UJ	0.000055 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-7
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 6010/7470A - Inorganic Data

Sample ID Sample Date Units Compound	Waste-O-1-COMP-T 07/02/02 mg/l	Waste-O-1-COMP-T-DUP 07/02/02 mg/l	Waste-O-2-COMP-T 07/01/02 mg/l	Waste-O-3-COMP-T 07/01/02 mg/l	WASTE-P-1-COMP-T 07/16/02 mg/l	WASTE-P-2-COMP-T 07/16/02 mg/l	WASTE-P-3-COMP-T 07/17/02 mg/l
Arsenic	0.077	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.076 J
Barium	1.5	1.4	0.69	0.86	0.54	0.029	0.095
Cadmium	0.18	0.17	0.0076	0.013	0.1 U	0.1 U	0.1 U
Chromium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	0.24	0.18	0.2 UJ	0.019	0.2 U	0.2 UJ	0.2 U
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Silver	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-7
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 6010/7470A - Inorganic Data

Sample ID Sample Date Units Compound	WASTE-P-4-COMP-T 07/16/02 mg/l	WASTE-Q-1-COMP-T 07/26/02 mg/l	WASTE-Q-10-COMP-T 07/26/02 mg/l	WASTE-Q-11-COMP-T 07/22/02 mg/l	WASTE-Q-12-COMP-T 07/22/02 mg/l	WASTE-Q-2-COMP-T 07/18/02 mg/l
Arsenic	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.059
Barium	0.94	5.2	1.7	3.6	3.2	2.3
Cadmium	0.1 U	0.1 U	0.34	0.1 U	0.09	0.012
Chromium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.027
Lead	0.029	0.041 J	2.4 J	1.2	0.36 U	0.14
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Silver	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-7
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 6010/7470A - Inorganic Data

Sample ID Sample Date Units Compound	WASTE-Q-3-COMP-T 07/17/02 mg/l	WASTE-Q-4-COMP-T 07/18/02 mg/l	WASTE-Q-4-COMP-T-DUP 07/18/02 mg/l	WASTE-Q-5-COMP-T 07/17/02 mg/l	WASTE-Q-6-COMP-T 07/19/02 mg/l	WASTE-Q-7-COMP-T 07/19/02 mg/l
Arsenic	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 U	0.066
Barium	0.67	0.13	0.19	0.74	1.3	2.6
Cadmium	0.0099	0.1 U	0.0075	0.1 U	0.1 U	0.1 U
Chromium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	0.051	0.2 UJ	0.2 UJ	0.35	0.056 J	0.02
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-7
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 6010/7470A - Inorganic Data

Sample ID Sample Date Units Compound	WASTE-Q-8-COMP-T 07/19/02 mg/l	WASTE-Q-8-COMP-T-DUP 07/19/02 mg/l	WASTE-Q-9-COMP-T 07/26/02 mg/l	WASTE-Q-9-COMP-T-DUP 07/26/02 mg/l	WASTE-R-1-COMP-T 07/11/02 mg/l	WASTE-R-2-COMP-T 07/11/02 mg/l
Arsenic	0.2 U	0.054	0.2 U	0.2 U	0.2 U	0.2 U
Barium	1	1.5	2.2	2.3	0.58	0.47
Cadmium	0.1 U	0.1 U	0.21	0.25	0.1 U	0.1 U
Chromium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	0.036 J	0.2 UJ	0.37 J	0.82 J	0.057	0.032
Mercury	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Silver	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 2-7
Sauget Area 2 RI/FS Data Report - Waste (TCLP Data)
Method TCLP 6010/7470A - Inorganic Data

Sample ID Sample Date Units Compound	WASTE-R-3-22FT 07/12/02 mg/l	WASTE-R-4-COMP-T 7/12/02 mg/l	WASTE-S-1-COMP-T 07/01/02 mg/l	WASTE-S-2-COMP-T 07/01/02 mg/l
Arsenic	0.2 U	0.2 U	0.2 U	0.2 U
Barium	0.76	0.53	0.82	0.85
Cadmium	0.1	0.1 U	0.1 U	0.018
Chromium	0.018	0.2 U	0.16	0.2 U
Lead	0.2 U	0.2 U	0.2 UJ	0.11
Mercury	0.02 U	0.02 U	0.02 U	0.02 U
Selenium	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Silver	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Section 3

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-106	GW-AA-O-1-116	GW-AA-O-1-120	GW-AA-O-1-16	GW-AA-O-1-26	GW-AA-O-1-36	GW-AA-O-1-46	GW-AA-O-1-46-DUP	GW-AA-O-1-56
Sample Date	7/10/02	7/10/02	07/10/02	6/18/02	6/18/02	6/18/02	6/18/02	6/18/02	6/18/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	10 U	10 U	2.5 U	2.4	2.6	2.2	2.4	2.5	2.8
1,1-Dichloroethylene	10 U	10 U	1.1 J	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	20 U	20 U	5 U	3	5.7	0.62 J	0.52 J	0.57 J	2
1,2-Dichloropropane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	100 U	100 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	100 U	100 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	250 U	250 U	62 U	25 R	25 R	25 R	25 R	25 R	25 R
Benzene	9.6 J	10 U	2.5 U	0.1 J	0.13 J	1 U	1 U	1 U	1 U
Bromodichloromethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1300	900	400	7.8	5.4	32	6.7	7.1	5.6
Chlorodibromomethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	50 U	50 U	12 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	NR	17 J	7 J	NR	NR	NR	NR	25 J
Methyl N-Butyl Ketone	100 U	100 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	10 U	10 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	10 U	10 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	10 U	10 U	2.2 J	0.35 J	0.76 J	0.47 J	1.6	1.4	2.5
Xylenes, Total	20 U	20 U	5 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-66	GW-AA-O-1-76	GW-AA-O-1-86	GW-AA-O-1-96	GW-AA-O-2-103FT	GW-AA-O-2-113FT	GW-AA-O-2-121FT	GW-AA-O-2-124	GW-AA-O-2-13
Sample Date	7/9/02	7/9/02	7/9/02	07/09/02	6/25/02	6/25/02	6/25/02	07/08/02	6/20/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
1,1-Dichloroethane	1.2	1	5 U	20 U	5 U	10 U	5 U	0.64 J	1 U
1,1-Dichloroethylene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	0.77 J	10 U	40 U	10 U	20 U	10 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U
Acetone	25 U	25 U	120 U	500 U	120 U	250 U	120 U	25 U	25 U
Benzene	1 U	1 U	5 U	20 U	5 U	4.5 J	5 U	0.33 J	1 U
Bromodichloromethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Bromoform	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Bromomethane	1 U	1 U	5 R	20 U	5 U	10 U	5 U	1 U	1 U
Carbon Disulfide	1 U	1 U	5 U	20 U	5 U	10 U	1.8 J	1 U	1 U
Carbon Tetrachloride	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Chlorobenzene	7.8	180	620	1500	460	1000	560	70	1 U
Chlorodibromomethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Chloroethane	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Chloroform	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Chloromethane	0.45 J	1 U	5 U	20 U	5 U	3.8 J	5 U	0.63 J	1 U
cis-1,3-Dichloropropene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Dichloromethane	5 U	0.72 J	25 U	100 U	25 U	50 U	25 U	5 U	5 U
Ethylbenzene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	0.19 J
Methane	NR	NR	NR	60 J	NR	NR	NR	50 J	3.3 J
Methyl N-Butyl Ketone	10 U	10 U	50 U	200 U	50 U	100 U	50 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Tetrachloroethene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Toluene	1 U	0.52 J	5 U	20 U	5 U	10 U	5 U	0.58 J	0.36 J
trans-1,3-Dichloropropene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1 U	1 U
Trichloroethylene	1 U	1 U	5 U	20 U	5 U	10 U	5 U	1.5	1 U
Vinyl chloride	2	5.4	3.8 J	20 U	2.9 J	10 U	3.5 J	1.9	1 U
Xylenes, Total	2 U	2 U	10 U	40 U	10 U	20 U	10 U	2 U	0.49 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-2-23	GW-AA-O-2-33	GW-AA-O-2-43	GW-AA-O-2-53	GW-AA-O-2-53-DUP	GW-AA-O-2-63	GW-AA-O-2-73FT	GW-AA-O-2-83FT	GW-AA-O-2-93FT
Sample Date	6/20/02	6/20/02	6/21/02	6/21/02	06/21/02	6/21/02	6/24/02	6/24/02	6/24/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
1,1-Dichloroethane	1 U	0.99 J	1 U	1	1	0.64 J	0.77 J	2 U	5 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 J	10 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	20	10 U	20 U	50 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 U
Acetone	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	120 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2.4 J
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Bromomethane	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	2 U	5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	0.37 J	1 U	2 U	5 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Chlorobenzene	1 U	1 U	1 U	16	16	14	32	380	850
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Chloromethane	1 U	0.31 J	1 U	1 U	1 U	0.44 J	0.41 J	2 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	25 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Methane	NR	NR	NR	13 J	18 J	NR	NR	NR	45 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	50 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Toluene	1 U	0.31 J	1 U	1 U	1 U	1 U	1 U	2 U	5 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	5 U
Vinyl chloride	1 U	1 U	1 U	0.51 J	0.46 J	0.84 J	1.8	4.9	3.5 J
Xylenes, Total	2 U	0.46 J	2 U	2 U	2 U	2 U	2 U	4 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-3-108FT	GW-AA-O-3-118	GW-AA-O-3-128	GW-AA-O-3-28FT	GW-AA-O-3-38FT	GW-AA-O-3-48FT	GW-AA-O-3-58FT	GW-AA-O-3-68FT	GW-AA-O-3-78FT
Sample Date	6/26/02	7/18/02	7/18/02	6/24/02	6/24/02	6/25/02	6/25/02	6/25/02	6/25/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5 U	5 U	5 U	1 U	0.95 J	0.92 J	1	0.83 J	0.48 J
1,1-Dichloroethylene	5 U	5 U	5 U	1 U	0.36 J	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	10 U	10 U	10 U	2 U	13	11	2.5	0.97 J	0.7 J
1,2-Dichloropropane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	120 U	120 U	120 U	25 U	25 U	25 U	25 U	25 U	25 U
Benzene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	5 U	5 U	5 U	1 U	1 U	1 U	1 U	0.44 J	1 U
Carbon Tetrachloride	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	490	690	520	0.48 J	0.81 J	1 U	4.8	8.8	12
Chlorodibromomethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	2.8 J	5 U	5 U	1 U	0.46 J	1 U	0.6 J	1 U	0.34 J
cis-1,3-Dichloropropene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	25 U	25 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	84 J	NR	36 J	1 J	NR	NR	NR	44 J	NR
Methyl N-Butyl Ketone	50 U	50 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	5 U	5 U	5 U	1 U	1.2	1.4	0.67 J	1 U	1 U
Vinyl chloride	2.5 J	1.7 J	3.4 J	1 U	0.49 J	0.86 J	1.3	0.68 J	0.43 J
Xylenes, Total	10 U	10 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-3-88FT 6/26/02 ug/l	GW-AA-O-3-98FT 6/26/02 ug/l	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-114FT 7/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l	GW-AA-P-1-34FT 7/8/02 ug/l
1,1,1-Trichloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	0.72 J	4 U	50 U	50 U	20 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	20 U	250 U	250 U	100 U	10 U	7.5 J	10 U
4-Methyl-2-pentanone (MIBK)	10 U	20 U	250 U	250 U	100 U	10 U	10 U	10 U
Acetone	25 U	50 U	620 U	620 U	250 U	29	39	25 U
Benzene	1 U	2 U	190	60	77	1 U	1 U	1 U
Bromodichloromethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Bromoform	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Bromomethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Carbon Disulfide	1 U	2 U	25 U	25 U	6.4 J	1 U	1 U	1 U
Carbon Tetrachloride	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Chlorobenzene	100	340	4900	4600	2300	1 U	1 U	1 U
Chlorodibromomethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Chloroethane	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Chloroform	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Chloromethane	1 U	2 U	25 U	25 U	10 U	1 U	0.33 J	1 U
cis-1,3-Dichloropropene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Dichloromethane	5 U	10 U	120 U	120 U	50 U	5 U	5 U	5 U
Ethylbenzene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Methane	NR	NR	180 J	NR	150 J	0.4 J	0.29 J	NR
Methyl N-Butyl Ketone	10 U	20 U	250 U	250 U	100 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Tetrachloroethene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Toluene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	2 U	25 U	25 U	10 U	1 U	1 U	1 U
Trichloroethylene	1 U	2 U	25 U	25 U	16	1 U	1 U	1 U
Vinyl chloride	3.8	4.8	25 U	25 U	10 U	1 U	1 U	1 U
Xylenes, Total	2 U	4 U	50 U	50 U	20 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-1-44FT	GW-AA-P-1-54FT	GW-AA-P-1-64FT	GW-AA-P-1-74FT	GW-AA-P-1-84FT	GW-AA-P-1-94FT	GW-AA-P-2-104	GW-AA-P-2-114
Sample Date	8/13/02	7/9/02	07/09/02	07/09/02	07/09/02	7/10/02	08/06/02	8/7/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	15 J	50 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	2 U	100 U	100 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	73 J	500 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U
Acetone	25 U	25 U	25 U	25 U	25 U	25 U	1200 U	1200 R
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	6900	5800
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	50 UJ	50 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	6.9 J	50 U
Chlorobenzene	1 U	1 U	1	5.8	12	4.8	490	50 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	0.53 J	50 U	50 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	47 J	50 U
Methane	NR	NR	20 J	NR	NR	NR	1500	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	110 U	50 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	100	100 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-2-114-DUP	GW-AA-P-2-122	GW-AA-P-2-24	GW-AA-P-2-34	GW-AA-P-2-34-DUP	GW-AA-P-2-44	GW-AA-P-2-54	GW-AA-P-2-64	GW-AA-P-2-74
Sample Date	8/7/02	8/7/02	08/05/02	8/5/02	8/5/02	8/5/02	8/5/02	08/05/02	8/6/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	100 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	500 U	200 U	10 U	10 U	10 U	10 U	10 U	1.9 J	10 U
4-Methyl-2-pentanone (MIBK)	500 U	200 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	1200 R	500 R	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Benzene	6000	2800	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	50 U	20 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Disulfide	50 U	15 J	1 U	0.33 J	1 U	1 U	1 U	1 U	0.63 J
Carbon Tetrachloride	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	500	480	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	50 U	23	0.34 J	1 U	0.36 J	0.26 J	0.36 J	1 U	1 U
cis-1,3-Dichloropropene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	250 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	50 U	20 U	0.86 J	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	720 J	0.93 J	NR	NR	NR	NR	3.8 J	NR
Methyl N-Butyl Ketone	500 U	200 U	10 U	10 U	10 U	10 U	10 U	0.87 J	10 U
Styrene (Monomer)	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	50 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	100 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-2-84	GW-AA-P-2-94	GW-AA-P-3-102	GW-AA-P-3-112	GW-AA-P-3-122	GW-AA-P-3-126	GW-AA-P-3-32	GW-AA-P-3-42	GW-AA-P-3-42-DUP
Sample Date	8/6/02	8/6/02	8/9/02	08/09/02	8/12/02	08/12/02	8/7/02	8/8/02	8/8/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 U	25 U	25 R	16 J	25 R	25 U	25 U
Benzene	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ
Carbon Disulfide	0.67 J	0.42 J	0.38 J	0.59 J	1 U	0.52 J	1 U	0.57 J	0.54 J
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	3.7	0.45 J	6.1	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	0.48 J	1 U	1 U	1 U	0.77 J	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	NR	NR	270	NR	59 J	47 J	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	1.5 J	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	0.54 J	0.47 J	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-3-52	GW-AA-P-3-62	GW-AA-P-3-62-DUP	GW-AA-P-3-72	GW-AA-P-3-82	GW-AA-P-3-92	GW-AA-Q-1-100	GW-AA-Q-1-110	GW-AA-Q-1-120
Sample Date	8/8/02	8/8/02	8/8/02	08/08/02	08/09/02	8/9/02	7/17/02	7/30/02	07/30/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	0.42 J	1 U	1 U	1 U	1 U	2 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	4 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U
Acetone	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U
Benzene	1 U	1 U	1 U	1 U	0.54 J	1 U	1 U	10	28
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Bromomethane	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	2 UJ
Carbon Disulfide	0.28 J	0.48 J	1 U	1 U	0.54 J	1 U	1 U	1 U	2 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	200	130	310
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chloroform	1 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	2 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1.3 U	1 U	0.21 J	2 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Ethylbenzene	1 U	0.89 J	0.9 J	0.85 J	1 U	1 U	1 U	0.89 J	2.1
Methane	NR	NR	NR	19 J	NR	NR	NR	NR	98 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.39 J	2 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	2.9
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2	4 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-1-127 1/2	GW-AA-Q-1-127 1/2-DUP	GW-AA-Q-1-50	GW-AA-Q-1-60	GW-AA-Q-1-60-DUP	GW-AA-Q-1-70	GW-AA-Q-1-80	GW-AA-Q-1-90
Sample Date	7/30/02	07/30/02	07/16/02	7/16/02	7/16/02	7/16/02	7/16/02	7/17/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2-Trichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
1,1-Dichloroethane	5 U	5 U	5.6	4.9	3.8	1.1	2.2	2.9
1,1-Dichloroethylene	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloroethene (total)	10 U	10 U	0.96 J	1 U	1 U	2 U	4 U	1 U
1,2-Dichloropropane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
2-Butanone (MEK)	50 U	50 U	10 U	10 U	10 U	10 U	20 U	10 U
4-Methyl-2-pentanone (MIBK)	50 U	50 U	10 U	10 U	10 U	10 U	20 U	10 U
Acetone	120 U	120 U	11 J	16 J	25 U	25 U	50 U	25 U
Benzene	33	33	2.4	1 U	1 U	1 U	2 U	1.4
Bromodichloromethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Bromoform	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Bromomethane	5 UJ	5 UJ	1 UJ	1 U	1 U	1 U	2 U	1 U
Carbon Disulfide	5 U	5 U	0.37 J	2.5 J	1 U	1 U	2 U	1 U
Carbon Tetrachloride	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Chlorobenzene	850	1100	130	230	240	100	130	220
Chlorodibromomethane	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloroethane	5 U	5 U	1.3	0.79 J	0.89 J	1 U	0.69 J	0.84 J
Chloroform	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloromethane	5 U	2.7 J	0.96 J	1 U	1 U	1 U	2 U	1 U
cis-1,3-Dichloropropene	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Dichloromethane	25 U	25 U	5 U	5 U	5 U	5 U	10 U	5 U
Ethylbenzene	6.9	6.5	1	1 U	1 U	1 U	2 U	1 U
Methane	89 J	110 J	120 J	NR	NR	NR	67 J	NR
Methyl N-Butyl Ketone	50 U	50 U	10 U	10 U	10 U	10 U	20 U	10 U
Styrene (Monomer)	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Tetrachloroethene	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Toluene	1.5 J	5 U	1 U	1 U	1 U	1 U	2 U	1 U
trans-1,3-Dichloropropene	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Trichloroethylene	5 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Vinyl chloride	4.6 J	4.5 J	0.72 J	1 U	2 U	1 U	2 U	1 U
Xylenes, Total	22	17	2 U	2 U	2 U	2 U	4 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-2-100	GW-AA-Q-2-110	GW-AA-Q-2-110-DUP	GW-AA-Q-2-120	GW-AA-Q-2-130	GW-AA-Q-2-60	GW-AA-Q-2-60-DUP	GW-AA-Q-2-70	GW-AA-Q-2-80FT
Sample Date	7/19/02	7/31/02	7/31/02	7/31/02	8/1/02	07/18/02	07/31/02	7/18/02	7/18/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
1,1-Dichloroethane	0.53 J	1 U	1 U	1 U	1 U	1.2	NR	1 U	0.92 J
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
1,2-Dichloroethene (total)	0.54 J	2 U	2 U	0.69 J	0.36 J	0.46 J	NR	0.59 J	0.35 J
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	NR	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	NR	10 U	10 U
Acetone	25 U	25 R	NR	25 R	25 U	25 U	NR	25 U	25 U
Benzene	1 U	1 U	0.26 J	0.19 J	0.35 J	1 U	NR	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 UJ	1 U	NR	1 U	1 U
Carbon Disulfide	0.32 J	1.2	2.2	1	1 U	1 U	NR	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Chlorobenzene	11	2.5	2.8	8.7	9.3	11	NR	13	16
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Chloroform	1 U	0.19 J	0.3 J	1 U	1 U	1 U	NR	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Methane	NR	NR	NR	7.7 J	NR	16 J	5.4 J	NR	33 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	NR	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Toluene	1 U	0.29 J	0.57 J	0.75 J	1 U	1 U	NR	0.34 J	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	NR	1 U	1 U
Vinyl chloride	1 U	1.1	0.61 J	1.1	0.87 J	1 U	NR	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	20 U	2 U	2 U	NR	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-2-90	GW-AA-Q-3-100	GW-AA-Q-3-110	GW-AA-Q-3-120	GW-AA-Q-3-50	GW-AA-Q-3-60	GW-AA-Q-3-70	GW-AA-Q-3-80	GW-AA-Q-3-80-DUP
Sample Date	7/19/02	8/2/02	8/5/02	08/05/02	07/19/02	7/22/02	7/22/02	7/22/02	7/22/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	0.65 J	2 U	2 U	2 U	0.38 J	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 U	25 U	25 U	25 R	25 R	25 R	25 R
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	0.73 J	1 U	1 U	0.34 J	0.36 J	1 U	0.44 J	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	15	2.5	1.6	2.2	170	51	8.4	13	12
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	NR	NR	63 J	670 J	NR	NR	43 J	24 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	0.54 J	1 U	1 U	1 U	1 U	1 U	0.36 J	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-3-90	GW-AA-Q-4-100	GW-AA-Q-4-100-DUP	GW-AA-Q-4-110	GW-AA-Q-4-50	GW-AA-Q-4-60	GW-AA-Q-4-70	GW-AA-Q-4-80
Sample Date	8/2/02	8/6/02	8/6/02	08/06/02	7/22/02	7/23/02	7/23/02	7/23/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 U	25 U	25 R	25 U	25 U	25 U
Benzene	1 U	1 U	0.18 J	1 U	1 U	1 U	1 U	0.38 J
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ
Carbon Disulfide	0.3 J	2.2	2.5	0.33 J	1 U	0.65 J	0.32 J	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	2.3	7.7	6.2	1.3	59	9.8	5.6	45
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	0.31 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	0.82 J	1 U	0.9 J
Methane	NR	NR	NR	29 J	250	NR	NR	690 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	0.36 J	0.34 J	0.38 J	0.32 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-4-90	GW-AA-Q-5-105	GW-AA-Q-5-106	GW-AA-Q-5-45	GW-AA-Q-5-55	GW-AA-Q-5-55-DUP	GW-AA-Q-5-65	GW-AA-Q-5-75
Sample Date	7/23/02	8/8/02	08/08/02	8/7/02	8/7/02	8/7/02	8/7/02	8/7/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	NR	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	1.8 J	10 U	NR	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	NR	10 U	10 U	10 U	0.86 J	1.8 J
Acetone	25 U	25 U	NR	25 R	14 J	25 R	25 R	25 R
Benzene	1 U	1 U	NR	15	0.92 J	1.1	26	2.5
Bromodichloromethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 UJ	1 UJ	NR	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	NR	1 U	1 U	0.99 J	0.75 J	0.42 J
Carbon Tetrachloride	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	52	1 U	NR	460	240	240	18	8.3
Chlorodibromomethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	NR	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Methane	NR	NR	900 J	700 J	NR	NR	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	NR	10 U	10 U	10 U	10 U	1.6 J
Styrene (Monomer)	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	NR	1.2	1 U	1 U	2.8	1.1
trans-1,3-Dichloropropene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	NR	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	NR	6.8	1.6 J	1.7 J	15	2.9

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-5-75-DUP	GW-AA-Q-5-85	GW-AA-Q-5-95	GW-AA-Q-6-104	GW-AA-Q-6-110	GW-AA-Q-6-24	GW-AA-Q-6-24-DUP	GW-AA-Q-6-34	GW-AA-Q-6-34-DUP
Sample Date	8/7/02	8/8/02	8/8/02	7/29/02	7/29/02	07/25/02	7/25/02	7/25/02	7/25/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,1,2,2-Tetrachloroethane	1 U	0.37 J	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 U	2 U	10 U	5 U	200 U	200 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
2-Butanone (MEK)	10 U	10 U	9.4 J	2.3 J	1.4 J	50 U	25 U	1000 U	1000 U
4-Methyl-2-pentanone (MIBK)	0.94 J	1.7 J	11	10 U	10 U	50 U	25 U	1000 U	1000 U
Acetone	NR	25 U	22 J	25 U	25 U	61 J	53 J	2500 U	2500 U
Benzene	2.4	15	3.9	110	39	490	460	12000	12000
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Bromoform	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Bromomethane	1 U	1 UJ	1 UJ	1 UJ	1 UJ	5 UJ	2.5 UJ	100 UJ	100 UJ
Carbon Disulfide	0.8 J	0.38 J	1.1	0.33 J	0.38 J	5 U	2.5 U	100 U	100 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Chlorobenzene	7.9	16	33	1 U	0.55 J	5 U	2.5 U	100 U	100 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Chloroform	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Dichloromethane	5 U	5 U	1.1 J	5 U	5 U	25 U	12 U	500 U	500 U
Ethylbenzene	1 U	1.1	1.4	1.4	1.1	58	64	100 U	100 U
Methane	NR	4000 J	NR	240 J	900 J	320 J	240 J	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	0.38 J	10 U	10 U	50 U	25 U	1000 U	1000 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Toluene	1.2	1.2	6.9	0.66 J	0.48 J	66	70	52 J	49 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	5 U	2.5 U	100 U	100 U
Xylenes, Total	2.3	6.6	9	0.9 J	2 U	26	25	200 U	200 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-6-44	GW-AA-Q-6-54	GW-AA-Q-6-64	GW-AA-Q-6-74	GW-AA-Q-6-84	GW-AA-Q-6-94	GW-AA-Q-7-104	GW-AA-Q-7-104-DUP	GW-AA-Q-7-24
Sample Date	7/25/02	7/26/02	7/26/02	7/26/02	7/29/02	7/29/02	07/30/02	07/30/02	07/24/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	5 U	1 U	1 U	1 U	5 U	0.37 J	1 U	1 U	1 U
1,2-Dichloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	10 U	2 U	2 U	2 U	10 U	0.37 J	2 U	2 U	0.22 J
1,2-Dichloropropane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	50 U	1.4 J	10	10 U	50 U	3.1 J	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	50 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Acetone	120 U	25 U	24 J	14 J	120 U	25 U	25 U	25 U	25 U
Benzene	520	1100	72	56	580	84	0.35 J	0.31 J	0.71 J
Bromodichloromethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromoform	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromomethane	5 UJ	1 UJ	1 UJ	1 UJ	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Disulfide	5 U	2.2	1 U	0.57 J	5 U	0.67 J	1 U	1 U	1 U
Carbon Tetrachloride	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	5 U	1.5	1.4	1.2	5 U	0.58 J	8.8	8.6	95
Chlorodibromomethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chloroethane	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	0.87 J
Chloroform	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	1 U	1 U	1 U	1.5 J	1 U	0.5 J	1 U	1 U
cis-1,3-Dichloropropene	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Dichloromethane	25 U	5 U	5 U	5 U	25 U	1.2 J	5 U	5 U	5 U
Ethylbenzene	5.7 U	2.3	4.2	1.6	9.1	1.4	1	0.85 J	0.88 J
Methane	NR	NR	5400 J	NR	NR	NR	470 J	660 J	78 J
Methyl N-Butyl Ketone	50 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Toluene	4.7 J	3.8	0.88 J	0.69 J	9.4	1.1	1 U	0.35 J	1 U
trans-1,3-Dichloropropene	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Trichloroethylene	5 U	1 U	1 U	1 U	5 U	0.76 J	1 U	1 U	1 U
Vinyl chloride	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Xylenes, Total	10	4	3.8	2 U	11	2.8	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-7-34	GW-AA-Q-7-44	GW-AA-Q-7-54	GW-AA-Q-7-64	GW-AA-Q-7-74	GW-AA-Q-7-74-DUP	GW-AA-Q-7-84	GW-AA-Q-7-94	GW-AA-Q-8-104
Sample Date	7/24/02	7/24/02	7/24/02	07/24/02	7/24/02	7/24/02	7/24/02	7/30/02	08/02/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	0.47 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	2 U	0.38 J	0.24 J	1 U	1 U	1 U	1 U	1 U	0.35 J
1,1-Dichloroethylene	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	4 U	2 U	0.31 J	2 U	2 U	2 U	2 U	2 U	0.54 J
1,2-Dichloropropane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Benzene	0.42 J	1 U	0.54 J	0.22 J	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	2 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Disulfide	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	270	11	8.2	10	12	10	33	5.7	1 U
Chlorodibromomethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	3.1	2.2	0.34 J	0.35 J	1 U	1 U	0.82 J	1 U	1 U
Chloroform	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.24 J
cis-1,3-Dichloropropene	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	10 U	1 J	1 J	5 U	1 J	5 U	1 J	5 U	5 U
Ethylbenzene	1.7 J	1 U	0.92 J	0.85 J	1 U	0.84 J	0.95 J	0.89 J	1 U
Methane	NR	NR	NR	1900 J	NR	NR	NR	NR	100 J
Methyl N-Butyl Ketone	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	2 U	1 U	1 U	1 U	1 U	2.2 U	1 U	1 U	1 U
Tetrachloroethene	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	2 U	1 U	0.3 J	1 U	0.37 J	1 U	1 U	0.3 J	1 U
trans-1,3-Dichloropropene	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	4 U	2 U	0.54 J	2	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-8-111	GW-AA-Q-8-24	GW-AA-Q-8-34	GW-AA-Q-8-34-DUP	GW-AA-Q-8-44	GW-AA-Q-8-54	GW-AA-Q-8-64	GW-AA-Q-8-74	GW-AA-Q-8-84
Sample Date	08/02/02	7/31/02	7/31/02	7/31/02	7/31/02	7/31/02	7/31/02	8/1/02	8/1/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.23 J	1 U	1 U	1 U	0.52 J	0.57 J	1 U	0.22 J	0.32 J
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	5.7	2.8	0.57 J	0.66 J	16	15	7.4	1.2 J	1.4 J
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 R	25 R	NR	25 R	25 R	25 R	25 U	25 U
Benzene	1 U	1 U	0.11 J	1 U	1 U	0.24 J	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon Disulfide	0.42 J	1 U	1 U	1 U	1 U	0.88 J	0.36 J	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	0.74 J	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	0.22 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	47 J	4.8 J	NR	NR	NR	NR	5.5 J	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	0.29 J	0.38 J	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	0.17 J	1 U	0.22 J	1 U	0.18 J	1 U	1 U	0.41 J
Vinyl chloride	1.7	1 U	1 U	1 U	3.8	2.6	0.98 J	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-8-94	GW-AA-R-1-108	GW-AA-R-1-118	GW-AA-R-1-128	GW-AA-R-1-131	GW-AA-R-1-28	GW-AA-R-1-48	GW-AA-R-1-58	GW-AA-R-1-68
Sample Date	8/1/02	7/23/02	7/23/02	7/23/02	7/23/02	7/19/02	7/19/02	7/22/02	7/22/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,1,2,2-Tetrachloroethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,1,2-Trichloroethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,1-Dichloroethane	0.43 J	11 J	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,1-Dichloroethylene	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,2-Dichloroethane	1 U	40 J	20 U	10 U	20 U	10 U	200 U	50 U	50 U
1,2-Dichloroethene (total)	1.1 J	58 J	73	10 J	40 U	20 U	140 J	750	700
1,2-Dichloropropane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
2-Butanone (MEK)	10 U	260 J	210	34 J	200 U	100 U	1800 J	550	670
4-Methyl-2-pentanone (MIBK)	10 U	100 J	110 J	11 J	200 U	100 U	890 J	500 U	570
Acetone	25 U	12000	8200	960	310 J	250 U	83000	21000 J	25000
Benzene	1 U	240	200	100	120	510	1500	800	830
Bromodichloromethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Bromoform	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Bromomethane	1 UJ	50 UJ	20 UJ	10 UJ	20 UJ	10 U	200 U	50 U	50 U
Carbon Disulfide	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Carbon Tetrachloride	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Chlorobenzene	1 U	3600	1700	2000	2900	2000	13000	6900	7500
Chlorodibromomethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Chloroethane	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Chloroform	1 U	24 J	6.8 J	10 U	20 U	10 U	200 U	50 U	50 U
Chloromethane	1 U	50 U	20 U	10 U	20 U	3.2 J	200 U	50 U	50 U
cis-1,3-Dichloropropene	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Dichloromethane	5 U	250 U	100 U	50 U	100 U	50 U	1000 U	250 U	250 U
Ethylbenzene	1 U	230	40	13	21	46	1400	50 U	50 U
Methane	NR	NR	NR	NR	1200 J	1000	NR	NR	NR
Methyl N-Butyl Ketone	10 U	500 U	200 U	100 U	200 U	100 U	2000 U	500 U	500 U
Styrene (Monomer)	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Tetrachloroethene	1 U	88	20 U	10 U	20 U	10 U	200 U	50 U	23 J
Toluene	1 U	640	230	40	13 J	11	3700	2900	3200
trans-1,3-Dichloropropene	1 U	50 U	20 U	10 U	20 U	10 U	200 U	50 U	50 U
Trichloroethylene	1 U	50 U	20 U	10 U	20 U	10 U	200 U	83	31 J
Vinyl chloride	1 U	34 J	31	4.5 J	20 U	10 U	160 J	150	220
Xylenes, Total	2 U	1500	120	29	40 U	12 J	660	640	770

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-R-1-78	GW-AA-R-1-88	GW-AA-R-1-98	GW-AA-S-1-104	GW-AA-S-1-114	GW-AA-S-1-124	GW-AA-S-1-24FT	GW-AA-S-1-34FT	GW-AA-S-1-44
Sample Date	7/22/02	7/22/02	7/23/02	7/12/02	7/12/02	7/15/02	06/26/02	06/26/02	7/11/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	190	21	12	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	58 J	12 J	18 J	1.5 J	0.57 J	2 U	0.3 J	2 U	2 U
1,2-Dichloropropane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	500 U	100 U	100 U	10 U	10 U	15	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	500 U	100 U	100 U	10 U	1 J	10 U	10 U	10 U	10 U
Acetone	2500 J	470 J	150 J	25 R	25 R	25 R	25 U	25 U	25 U
Benzene	450	120	30	1 U	1 U	1 U	3	1 U	1 U
Bromodichloromethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	50 U	10 U	10 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	50	10 U	10 U	0.94 J	1 U	0.88 J	1 U	1 U	1 U
Carbon Tetrachloride	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	4300	1200	1000	70	410	78	1 U	1.7 U	1 U
Chlorodibromomethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	50 U	15	10 U	1 U	1 U	1 U	1 U	3.3	1 U
Chloroform	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	50 U	10 U	10 U	1 U	1 U	1 U	1 U	0.34 J	1 U
cis-1,3-Dichloropropene	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	250 U	50 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	50 U	10 U	98	1 U	1 U	1 U	1 U	1 U	1 U
Methane	1300 J	NR	NR	8.4 J	NR	0.77 J	17 J	NR	NR
Methyl N-Butyl Ketone	500 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	26 J	10 U	24	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	590	32	18	1 U	1 U	0.79 J	0.41 J	1 U	1 U
trans-1,3-Dichloropropene	50 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	21 J	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	23 J	13	10	1 U	1 U	2.5	0.32 J	1 U	1 U
Xylenes, Total	380	16 J	730	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-1-54	GW-AA-S-1-54-DUP	GW-AA-S-1-64	GW-AA-S-1-74FT	GW-AA-S-1-84FT	GW-AA-S-1-84FT-DUP	GW-AA-S-1-94FT	GW-AA-S-2-108
Sample Date	7/11/02	7/11/02	7/12/02	6/28/02	06/28/02	06/28/02	6/28/02	7/17/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	0.49 J	0.62 J	0.53 J	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	1 U	0.53 J	0.84 J	0.75 J	0.74 J	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	11	10 U	10 U	7 J	8.4 J	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 R	25 U	25 U	25 U	25 U	25 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	0.44 J	1 U	4.8	22	22	27	140
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	0.32 J	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	0.42 J	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	NR	11 J	NR	NR	NR	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	0.68 J	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-118	GW-AA-S-2-118 1/2	GW-AA-S-2-28	GW-AA-S-2-38	GW-AA-S-2-48	GW-AA-S-2-58	GW-AA-S-2-68	GW-AA-S-2-78	GW-AA-S-2-88
Sample Date	7/17/02	7/17/02	07/15/02	7/15/02	7/15/02	7/16/02	7/16/02	7/16/02	7/16/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
1,1,1-Trichloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	0.4 J
1,1-Dichloroethylene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	4 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
1,2-Dichloropropane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	20 U	20 U	6.8 J	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	20 U	20 U	1.8 J	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50 U	50 U	25 U	25 U	25 R	25 U	25 U	25 U	25 U
Benzene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	2 U	2 U	1 U	1 U	0.66 J	1 U	1 U	1 U	1 U
Carbon Tetrachloride	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	340	290	1 U	1 U	1 U	1 U	1.6	8.9	24
Chlorodibromomethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methane	NR	29 J	0.28 J	NR	NR	NR	NR	0.61 J	NR
Methyl N-Butyl Ketone	20 U	20 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2.4 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	4 U	4 U	2 U	2 U	0.57 J	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-98	GW-AA-S-3-104FT	GW-AA-S-3-114FT	GW-AA-S-3-124FT	GW-AA-S-3-132FT	GW-AA-S-3-24FT	GW-AA-S-3-34FT	GW-AA-S-3-44FT
Sample Date	7/16/02	07/01/02	7/2/02	7/2/02	07/02/02	7/15/02	7/15/02	06/28/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,1,1-Trichloroethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,1-Dichloroethane	0.47 J	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	1 U	1.2 J	8 U	8 U	4 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	40 U	40 U	20 U	6.8 J	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	40 U	40 U	20 U	1.3 J	10 U	10 U
Acetone	25 U	25 U	100 U	100 U	50 U	25 R	25 R	25 U
Benzene	1 U	1 U	4 U	4 U	2 U	0.18 J	1 U	1 U
Bromodichloromethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Bromoform	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Carbon Disulfide	1.1	0.53 J	4 U	4 U	2 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Chlorobenzene	35	180	530	460	250	1.8	1.2	1 U
Chlorodibromomethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Chloroform	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	20 U	20 U	10 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Methane	NR	9.9 J	NR	NR	42 J	0.27 J	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	40 U	40 U	20 U	1.9 J	10 U	10 U
Styrene (Monomer)	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Toluene	1 U	1 U	1.4 J	4 U	1.2 J	0.41 J	1 U	0.34 J
trans-1,3-Dichloropropene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	4 U	4 U	2 U	1 U	1 U	1 U
Vinyl chloride	1 U	0.61 J	4 U	1.8 J	6.1	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	8 U	8 U	4 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-3-54FT 06/28/02 ug/l	GW-AA-S-3-64FT 06/28/02 ug/l	GW-AA-S-3-74FT 7/1/02 ug/l	GW-AA-S-3-84FT 7/1/02 ug/l	GW-AA-S-3-94FT 7/1/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	0.51 J	0.57 J	0.55 J
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	0.71 J	1.3 J
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	6.3 J	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 U	25 U	25 U
Benzene	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1.4	2.1	3.7	16	51
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U
Methane	NR	27 J	NR	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	0.41 J	0.41 J
Xylenes, Total	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l	GW-UAA-1-100FT 06/18/02 ug/l	GW-UAA-1-110FT 06/18/02 ug/l	GW-UAA-1-20FT 06/14/02 ug/l	GW-UAA-1-30FT 06/14/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	2 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	0.32 J	1 U	1 U	2 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	1 U	1 U	0.55 J	2 U	1.3 J	4 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
2-Butanone (MEK)	10 U	4.1 J	10 U	10 U	10 U	1.5 J	10 U	10 U	20 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Acetone	25 U	38	25 U	25 U	25 U	20 J	25 U	25 R	50 R	25 U	25 U
Benzene	1 U	21	1 U	1 U	1 U	11	1 U	2.5	3.4	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	0.24 J	1 U	1 U	2 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Carbon Disulfide	1 U	1.7	1 U	1 U	1 U	1.8	0.5 J	1 U	2 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Chlorobenzene	1 U	7.8	1 U	1 U	1 U	40	1 U	400	710	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	2 U	1 U	1 U
Chloroform	1 U	7.1	1.3	1 U	1 U	3.5	1 U	1 U	2 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Dichloromethane	1.3 J	1.3 J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	0.94 J	1 U	0.31 J	0.38 J	1 U	1 U
Methane	27	1.5 J	5.8 J	12	14	4 J	11 J	960 J	940	0.46	NR
Methyl N-Butyl Ketone	10 U	10 U	0.6 J	10 UJ	10 UJ	10 U	10 U	10 U	20 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Toluene	1 U	0.89 J	0.73 J	1 U	1 U	3.6	1 U	0.31 J	2 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	6	2 U	2 U	4 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-40FT 06/14/02 ug/l	GW-UAA-1-50FT 06/17/02 ug/l	GW-UAA-1-60FT 06/17/02 ug/l	GW-UAA-1-70FT 06/17/02 ug/l	GW-UAA-1-80FT 06/17/02 ug/l	GW-UAA-1-90FT 06/18/02 ug/l	GW-UAA-2-100FT 06/21/02 ug/l	GW-UAA-2-110FT 06/21/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 UJ
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	8 J
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
1,2-Dichloroethene (total)	2 U	0.82 J	1.3 J	1.7 J	1.4 J	1.5 J	11 J	17 J
1,2-Dichloropropane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	20 U	20 U	200 U	200 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	20 U	20 U	200 U	200 U
Acetone	25 U	25 U	25 U	25 U	50 U	50 R	500 U	500 U
Benzene	1 U	1 U	1 U	1 U	2 U	0.23 J	20	17 J
Bromodichloromethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Bromoform	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Bromomethane	1 U	1 U	1 U	1 U	2 U	2 U	20 UJ	20 UJ
Carbon Disulfide	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Chlorobenzene	1 U	0.42 J	2	2.4	280	450	2600	2500
Chlorodibromomethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Chloroethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Chloroform	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Chloromethane	1 U	1 U	1 U	1 U	2 U	2 U	20 U	9.3 J
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Dichloromethane	5 U	5 U	5 U	5 U	10 U	10 U	100 U	19 J
Ethylbenzene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Methane	NR	NR	9.1	NR	NR	NR	53 J	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	20 U	20 U	200 U	200 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Tetrachloroethene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Toluene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Trichloroethylene	1 U	1 U	1 U	1 U	2 U	2 U	20 U	20 U
Vinyl chloride	1 U	1 U	1 U	1 U	2 U	2 U	7.2 J	9.5 J
Xylenes, Total	2 U	2 U	2 U	2 U	4 U	4 U	40 U	40 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-2-120FT 06/21/02 ug/l	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-30FT 06/19/02 ug/l	GW-UAA-2-30FT-DUP 06/19/02 ug/l	GW-UAA-2-40FT 06/19/02 ug/l	GW-UAA-2-50FT 06/19/02 ug/l	GW-UAA-2-60FT 06/20/02 ug/l
1,1,1-Trichloroethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
1,1,2,2-Tetrachloroethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
1,1,2-Trichloroethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
1,1-Dichloroethane	5 U	16 J	1 U	5	4.7	24	230	230
1,1-Dichloroethylene	5 U	17 J	1 U	3.3	3.6	19	250	290
1,2-Dichloroethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
1,2-Dichloroethene (total)	5.3 J	77	2 U	17	17	81	930	890
1,2-Dichloropropane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
2-Butanone (MEK)	50 U	200 U	10 U	10 U	10 U	10 U	40 U	100 U
4-Methyl-2-pentanone (MIBK)	50 U	200 U	10 U	10 U	10 U	10 U	40 U	100 U
Acetone	120 U	500 U	25 R	25 R	NR	25 R	100 R	250 U
Benzene	5 U	24	1 U	1 U	1 U	0.27 J	12	15
Bromodichloromethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Bromoform	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Bromomethane	5 UJ	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Carbon Disulfide	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Carbon Tetrachloride	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Chlorobenzene	760	2000	1 U	1 U	1 U	1 U	52	79
Chlorodibromomethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Chloroethane	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Chloroform	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Chloromethane	5 U	9.7 J	1 U	1 U	1 U	1 U	4 U	10 U
cis-1,3-Dichloropropene	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Dichloromethane	25 U	100 U	5 U	5 U	5 U	5 U	20 U	50 U
Ethylbenzene	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Methane	NR	100 J	11 J	NR	NR	NR	NR	980
Methyl N-Butyl Ketone	50 U	200 U	10 U	10 U	10 U	10 U	40 U	100 U
Styrene (Monomer)	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Tetrachloroethene	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Toluene	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
trans-1,3-Dichloropropene	5 U	20 U	1 U	1 U	1 U	1 U	4 U	10 U
Trichloroethylene	5 U	20 U	1 U	1 U	1 U	1 U	2.3 J	10 U
Vinyl chloride	5 U	6.5 J	1 U	0.42 J	0.38 J	2.1	29	32
Xylenes, Total	10 U	40 U	2 U	2 U	2 U	2 U	8 U	20 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-2-70FT 06/20/02 ug/l	GW-UAA-2-80FT 06/20/02 ug/l	GW-UAA-2-90FT 06/20/02 ug/l	GW-UAA-3-104 06/13/02 ug/l	GW-UAA-3-114 06/13/02 ug/l	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-34FT-R 06/11/02 ug/l
1,1,1-Trichloroethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
1,1,2,2-Tetrachloroethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
1,1,2-Trichloroethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
1,1-Dichloroethane	300	330	13 J	20 U	5 U	2 U	1 U	1 U
1,1-Dichloroethylene	410	440	20 U	20 U	5 U	2 U	1 U	1 U
1,2-Dichloroethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
1,2-Dichloroethene (total)	1400	1800	57	40 U	10 U	4 U	2 U	2 U
1,2-Dichloropropane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
2-Butanone (MEK)	100 U	100 U	200 U	200 U	50 U	20 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	100 U	100 U	200 U	200 U	50 U	20 U	10 U	10 U
Acetone	250 U	250 U	500 U	500 R	120 R	50 R	25 R	25 R
Benzene	24	55	13 J	24	4.3 J	1.8 J	1 U	1 U
Bromodichloromethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Bromoform	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Bromomethane	10 U	10 UJ	20 U	20 U	5 U	2 U	1 U	1 U
Carbon Disulfide	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Carbon Tetrachloride	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Chlorobenzene	81	62	1800	2100	570	360	1 U	1 U
Chlorodibromomethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Chloroethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Chloroform	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Chloromethane	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
cis-1,3-Dichloropropene	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Dichloromethane	50 U	50 U	100 U	100 U	25 U	10 U	5 U	5 U
Ethylbenzene	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Methane	NR	NR	NR	170 J	NR	14 J	2.2	NR
Methyl N-Butyl Ketone	100 U	100 U	200 U	200 U	50 U	20 U	10 U	10 U
Styrene (Monomer)	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Tetrachloroethene	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Toluene	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
trans-1,3-Dichloropropene	10 U	10 U	20 U	20 U	5 U	2 U	1 U	1 U
Trichloroethylene	10 U	10 U	17 J	20 U	5 U	2 U	1 U	1 U
Vinyl chloride	46	52	10 J	20 U	5 U	2 U	1 U	1 U
Xylenes, Total	20 U	20 U	40 U	40 U	10 U	4 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-44FT 06/10/02 ug/l	GW-UAA-3-54FT 06/11/02 ug/l	GW-UAA-3-64 06/12/02 ug/l	GW-UAA-3-74 06/12/02 ug/l	GW-UAA-3-84 06/12/02 ug/l	GW-UAA-3-94 06/12/02 ug/l	GW-AA-UAA-4-100 07/26/02 ug/l	GW-AA-UAA-4-110 07/26/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
1,1-Dichloroethane	1 U	0.52 J	1 U	0.44 J	10 U	20 U	1 U	1 U
1,1-Dichloroethylene	0.22 J	0.22 J	1 U	0.42 J	10 U	20 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
1,2-Dichloroethene (total)	1.3 J	1.4 J	1.3 J	3.5	20 U	40 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	100 U	200 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	100 U	200 U	10 U	10 U
Acetone	25 R	25 R	25 R	25 R	250 R	500 R	25 U	25 U
Benzene	3.6	1.2	0.14 J	7.4	63	55	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	10 U	20 U	1 UJ	1 UJ
Carbon Disulfide	1 U	1 U	0.35 J	1 U	10 U	20 U	1 U	0.32 J
Carbon Tetrachloride	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Chlorobenzene	160	160	31	150	1300	2100	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	10 U	20 U	0.38 J	0.59 J
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U	5 U	50 U	100 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U	1 U	10 U	20 U	1 U	0.92 J
Methane	NR	NR	170 J	NR	NR	NR	13 J	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	100 U	200 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Toluene	1 U	1 U	1 U	0.3 J	10 U	20 U	1 U	0.36 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	10 U	20 U	1 U	1 U
Vinyl chloride	1 U	1 U	0.31 J	0.97 J	10 U	20 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	20 U	40 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-113 07/29/02 ug/l	GW-AA-UAA-4-20 07/24/02 ug/l	GW-AA-UAA-4-20-DUP 07/24/02 ug/l	GW-AA-UAA-4-30 07/24/02 ug/l	GW-AA-UAA-4-40 07/24/02 ug/l	GW-AA-UAA-4-50 07/24/02 ug/l	GW-AA-UAA-4-60 07/25/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	0.24 J	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Disulfide	0.72 J	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane	5 U	1 J	5 U	1.1 J	1.2 J	5 U	5 U
Ethylbenzene	0.9 J	1 U	1 U	1 U	1 U	0.89 J	1 U
Methane	11 J	33 J	6.9 J	NR	NR	NR	440 J
Methyl N-Butyl Ketone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene (Monomer)	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	0.29 J	1 U	1 U	1 U	1 U	0.45 J	0.36 J
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U	2 U	2 U	2	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-1b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8260 - Volatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-70 07/25/02 ug/l	GW-AA-UAA-4-80 07/25/02 ug/l	GW-AA-UAA-4-90 07/25/02 ug/l	LEACH-O-1 09/10/02 ug/l	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
1,1,1-Trichloroethane	1 U	1 U	1 U	9.6	14 J	20 U	1000 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
1,1,2-Trichloroethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
1,1-Dichloroethane	1 U	1 U	1 U	3.2 J	20 U	20 U	1000 U	1 U	1 U	5 U
1,1-Dichloroethylene	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
1,2-Dichloroethane	1 U	1 U	1 U	5 U	2200 J	2100 J	50000	1 U	1 U	5 U
1,2-Dichloroethene (total)	2 U	2 U	2 U	2 J	11 J	40 U	13000	2 U	2 U	10 U
1,2-Dichloropropane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
2-Butanone (MEK)	10 U	10 U	10 U	20 J	200 UJ	200 UJ	7900 J	10 U	10 U	50 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U	210	760	740	10000 U	10 U	10 U	50 U
Acetone	25 U	25 U	25 U	160	1400	1400	32000	10 J	25 U	120 U
Benzene	1 U	1 U	1 U	920	420	430	6800	1 U	1 U	270
Bromodichloromethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Bromoform	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Bromomethane	1 UJ	1 UJ	1 UJ	5 UJ	20 UJ	20 UJ	1000 U	1 UJ	1 UJ	5 UJ
Carbon Disulfide	1 U	0.6 J	0.5 J	2.1 J	20 U	33	1000 U	1 U	1 U	5 U
Carbon Tetrachloride	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Chlorobenzene	1 U	1 U	1 U	1700 J	1100 J	1200 J	1300	1 U	1 U	640
Chlorodibromomethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Chloroethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Chloroform	1 U	1 U	1 U	8	53	53	2000	1 U	1 U	5 U
Chloromethane	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	0.97 J	1 U	5 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Dichloromethane	5 U	5 U	5 U	25 U	50 J	44 J	1900 J	5 U	5 U	25 U
Ethylbenzene	1 U	1 U	1 U	290	31	34	1000 U	1 U	1 U	8.1
Methane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl N-Butyl Ketone	10 U	10 U	10 U	50 U	200 U	200 U	10000 U	10 U	10 U	50 U
Styrene (Monomer)	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Tetrachloroethene	1 U	1 U	1 U	2.1 J	78	87	33000	1 U	1 U	5 U
Toluene	1 U	1 U	1 U	100	920	930	21000	1 U	1 U	24
trans-1,3-Dichloropropene	1 U	1 U	1 U	5 U	20 U	20 U	1000 U	1 U	1 U	5 U
Trichloroethylene	1 U	1 U	1 U	2.1 J	18 J	22	150000	1 U	1 U	5 U
Vinyl chloride	1 U	1 U	1 U	1.5 J	20 U	20 U	1000 U	1 U	1 U	5 U
Xylenes, Total	2 U	2 U	2 U	1700	290	320	2000 U	2 U	2 U	21

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-106	GW-AA-O-1-116	GW-AA-O-1-120	GW-AA-O-1-16	GW-AA-O-1-26	GW-AA-O-1-36	GW-AA-O-1-46	GW-AA-O-1-46-DUP
Sample Date	7/10/02	7/10/02	07/10/02	6/18/02	6/18/02	6/18/02	6/18/02	6/18/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	2.7 J	2.3 J	1.2 J	10 U	10 U	7.4 J	2.2 J	1.9 J
1,3-Dichlorobenzene	1.5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	80	66	21	10 U	10 U	3.5 J	1.4 J	1.2 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	3.4 J	3.5 J	1.2 J	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	1.4 J	2.1 J	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	19	17	6.5 J	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	1.6 J	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	1.1 J	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	2.8 J	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-106	GW-AA-O-1-116	GW-AA-O-1-120	GW-AA-O-1-16	GW-AA-O-1-26	GW-AA-O-1-36	GW-AA-O-1-46	GW-AA-O-1-46-DUP
Sample Date	7/10/02	7/10/02	07/10/02	6/18/02	6/18/02	6/18/02	6/18/02	6/18/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	10 U	10 U	10 U	1.2 J	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	2.7 J	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	8 J	3 J	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	4.1 J	2.8 J	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	NR	NR	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-56	GW-AA-O-1-66	GW-AA-O-1-76	GW-AA-O-1-86	GW-AA-O-1-96	GW-AA-O-2-103FT	GW-AA-O-2-113FT	GW-AA-O-2-121FT
Sample Date	6/18/02	7/9/02	7/9/02	7/9/02	07/09/02	6/25/02	6/25/02	6/25/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	1.2 J	1.6 J	1.1 J	3 J	1.2 J	2.9 J	1.5 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	1.4 J	3.7 J	51	8.1 J	51	8.2 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	1.7 J	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	4.8 J	11	18	7.5 J	14	8.1 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	1.6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-1-56	GW-AA-O-1-66	GW-AA-O-1-76	GW-AA-O-1-86	GW-AA-O-1-96	GW-AA-O-2-103FT	GW-AA-O-2-113FT	GW-AA-O-2-121FT
Sample Date	6/18/02	7/9/02	7/9/02	7/9/02	07/09/02	6/25/02	6/25/02	6/25/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	1.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	1.8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	2.1 J	5.7 J	8.7 J	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	1.1 J	3.4 J	20 U	1.4 J	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-2-124 07/08/02 ug/l	GW-AA-O-2-13 6/20/02 ug/l	GW-AA-O-2-23 6/20/02 ug/l	GW-AA-O-2-33 6/20/02 ug/l	GW-AA-O-2-43 6/21/02 ug/l	GW-AA-O-2-53 6/21/02 ug/l	GW-AA-O-2-53-DUP 06/21/02 ug/l	GW-AA-O-2-63 6/21/02 ug/l
1,2,4-Trichlorobenzene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 UJ	10 U	10 U	10 U	10 U	2.6 J	2.1 J	10 U
1,3-Dichlorobenzene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 UJ	20 R	20 R	20 R	20 R	20 R	NR	20 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	1.5 J	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-2-124	GW-AA-O-2-13	GW-AA-O-2-23	GW-AA-O-2-33	GW-AA-O-2-43	GW-AA-O-2-53	GW-AA-O-2-53-DUP	GW-AA-O-2-63
Sample Date	07/08/02	6/20/02	6/20/02	6/20/02	6/21/02	6/21/02	06/21/02	6/21/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	NR	50 U	50 U	50 U	NR	NR	50 U
Phenanthrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-2-73FT	GW-AA-O-2-83FT	GW-AA-O-2-93FT	GW-AA-O-3-108FT	GW-AA-O-3-118	GW-AA-O-3-128	GW-AA-O-3-28FT
Sample Date	6/24/02	6/24/02	6/24/02	6/26/02	7/18/02	7/18/02	6/24/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	1.8 J	1.9 J	1.8 J	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	2.3 J	9.2 J	4.2 J	9.1 J	5.1 J	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 UJ	50 UJ	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	7.6 J	12	6.8 J	15	13	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-2-73FT	GW-AA-O-2-83FT	GW-AA-O-2-93FT	GW-AA-O-3-108FT	GW-AA-O-3-118	GW-AA-O-3-128	GW-AA-O-3-28FT
Sample Date	6/24/02	6/24/02	6/24/02	6/26/02	7/18/02	7/18/02	6/24/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	0.92 J	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	4.6 J	8 J	4 J	7.3 J	6.6 J	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	1.3 J	1.4 J	1.2 J	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	NR	NR	50 U	NR	NR
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-O-3-38FT	GW-AA-O-3-48FT	GW-AA-O-3-58FT	GW-AA-O-3-68FT	GW-AA-O-3-78FT	GW-AA-O-3-88FT	GW-AA-O-3-98FT
Sample Date	6/24/02	6/25/02	6/25/02	6/25/02	6/25/02	6/26/02	6/26/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	2.6 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	1.3 J	4.3 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	2 J	6.8 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-3-38FT 6/24/02 ug/l	GW-AA-O-3-48FT 6/25/02 ug/l	GW-AA-O-3-58FT 6/25/02 ug/l	GW-AA-O-3-68FT 6/25/02 ug/l	GW-AA-O-3-78FT 6/25/02 ug/l	GW-AA-O-3-88FT 6/26/02 ug/l	GW-AA-O-3-98FT 6/26/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	3.6 J	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	4.2 J
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	1.3 J
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-114FT 7/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l	GW-AA-P-1-34FT 7/8/02 ug/l	GW-AA-P-1-44FT 8/13/02 ug/l
1,2,4-Trichlorobenzene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 J	9.8 J	3.1 J	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	100 U	50 UJ	50 UJ	50 U	50 U	50 U	50 UJ
2,4-Dinitrotoluene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	78	46	22	10 U	10 U	10 U	10 U
2-Methylnaphthalene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	100 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	40 U	20 U	20 U	20 U	20 U	20 U	20 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	20 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	100 U	50 U	50 U	50 U	50 U	50 U	50 R
4,6-Dinitro-2-methylphenol	100 U	50 U	50 U	50 U	50 U	50 U	50 UJ
4-Bromophenyl Phenyl Ether	20 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	20 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	20 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	20 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-114FT 7/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l	GW-AA-P-1-34FT 7/8/02 ug/l	GW-AA-P-1-44FT 8/13/02 ug/l
Benzo(k)fluoranthene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	20 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	20 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	4.2 J	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	20 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	20 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	39	21	11	10 U	10 U	10 U	10 U
Nitrobenzene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	24 J	7.3 J	2.8 J	20 U	20 U	20 U	20 R
P-Nitroaniline	100 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	NR	NR	NR	50 U	50 U
Phenanthrene	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	14 J	3.4 J	2.8 J	10 U	10 U	10 U	10 U
Pyrene	20 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-54FT 7/9/02 ug/l	GW-AA-P-1-64FT 07/09/02 ug/l	GW-AA-P-1-74FT 07/09/02 ug/l	GW-AA-P-1-84FT 07/09/02 ug/l	GW-AA-P-1-94FT 7/10/02 ug/l	GW-AA-P-2-104 08/06/02 ug/l	GW-AA-P-2-104 Filtered 08/06/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	5.3 J	3.3 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	1.2 J	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	1.4 J	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	5.2 J	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	0.8 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	1 J	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	4 J	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	1.1 J	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-54FT 7/9/02 ug/l	GW-AA-P-1-64FT 07/09/02 ug/l	GW-AA-P-1-74FT 07/09/02 ug/l	GW-AA-P-1-84FT 07/09/02 ug/l	GW-AA-P-1-94FT 7/10/02 ug/l	GW-AA-P-2-104 08/06/02 ug/l	GW-AA-P-2-104 Filtered 08/06/02 ug/l
Benzo(k)fluoranthene	10 U	0.89 J	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	0.87 J	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	1.1 J	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	1.2 J	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	0.95 J	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	1.1 J	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	0.72 J	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	2.9 J	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	0.89 J	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	6.4 J	5.9 J	50 U	NR	NR
Phenanthrene	10 U	0.98 J	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	280	270
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-114 8/7/02 ug/l	GW-AA-P-2-114-DUP 8/7/02 ug/l	GW-AA-P-2-122 8/7/02 ug/l	GW-AA-P-2-122-Filtered 8/7/02 ug/l	GW-AA-P-2-24 08/05/02 ug/l	GW-AA-P-2-24 Filtered 8/5/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	1.5 J	1.4 J	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	3.3 J	3.1 J	4.6 J	4.7 J	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 R	20 R	20 R	20 R	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-114 8/7/02 ug/l	GW-AA-P-2-114-DUP 8/7/02 ug/l	GW-AA-P-2-122 8/7/02 ug/l	GW-AA-P-2-122-Filtered 8/7/02 ug/l	GW-AA-P-2-24 08/05/02 ug/l	GW-AA-P-2-24 Filtered 8/5/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	2.2 J	2.4 J	2.4 J	2.3 J	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	NR	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	180	160	120	160	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-34 8/5/02 ug/l	GW-AA-P-2-34-DUP 8/5/02 ug/l	GW-AA-P-2-44 8/5/02 ug/l	GW-AA-P-2-54 8/5/02 ug/l	GW-AA-P-2-64 08/05/02 ug/l	GW-AA-P-2-64 Filtered 8/6/02 ug/l	GW-AA-P-2-74 8/6/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-34 8/5/02 ug/l	GW-AA-P-2-34-DUP 8/5/02 ug/l	GW-AA-P-2-44 8/5/02 ug/l	GW-AA-P-2-54 8/5/02 ug/l	GW-AA-P-2-64 08/05/02 ug/l	GW-AA-P-2-64 Filtered 8/6/02 ug/l	GW-AA-P-2-74 8/6/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 U	50 U	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-84 8/6/02 ug/l	GW-AA-P-2-94 8/6/02 ug/l	GW-AA-P-3-102 8/9/02 ug/l	GW-AA-P-3-112 08/09/02 ug/l	GW-AA-P-3-112 Filtered 8/9/02 ug/l	GW-AA-P-3-122 8/12/02 ug/l	GW-AA-P-3-126 08/12/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 UJ	50 UJ
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 UJ
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-84 8/6/02 ug/l	GW-AA-P-2-94 8/6/02 ug/l	GW-AA-P-3-102 8/9/02 ug/l	GW-AA-P-3-112 08/09/02 ug/l	GW-AA-P-3-112 Filtered 8/9/02 ug/l	GW-AA-P-3-122 8/12/02 ug/l	GW-AA-P-3-126 08/12/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 U	NR	50 U	50 U	NR
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-126-Filtered 8/12/02 ug/l	GW-AA-P-3-32 8/7/02 ug/l	GW-AA-P-3-32-Filtered 8/7/02 ug/l	GW-AA-P-3-42 8/8/02 ug/l	GW-AA-P-3-42-DUP 8/8/02 ug/l	GW-AA-P-3-52 8/8/02 ug/l	GW-AA-P-3-62 8/8/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 R	20 R	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-126-Filtered 8/12/02 ug/l	GW-AA-P-3-32 8/7/02 ug/l	GW-AA-P-3-32-Filtered 8/7/02 ug/l	GW-AA-P-3-42 8/8/02 ug/l	GW-AA-P-3-42-DUP 8/8/02 ug/l	GW-AA-P-3-52 8/8/02 ug/l	GW-AA-P-3-62 8/8/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-62-DUP 8/8/02 ug/l	GW-AA-P-3-72 08/08/02 ug/l	GW-AA-P-3-72 Filtered 8/8/02 ug/l	GW-AA-P-3-82 08/09/02 ug/l	GW-AA-P-3-92 8/9/02 ug/l	GW-AA-Q-1-100 7/17/02 ug/l	GW-AA-Q-1-110 7/30/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	3 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	7.8 J	3.2 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 UJ	50 U	50 U	50 UJ	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	4.6 J	3.6 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 UJ	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-62-DUP 8/8/02 ug/l	GW-AA-P-3-72 08/08/02 ug/l	GW-AA-P-3-72 Filtered 8/8/02 ug/l	GW-AA-P-3-82 08/09/02 ug/l	GW-AA-P-3-92 8/9/02 ug/l	GW-AA-Q-1-100 7/17/02 ug/l	GW-AA-Q-1-110 7/30/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	5.2 J	1.6 J
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-120 07/30/02 ug/l	GW-AA-Q-1-120-Filtered 7/30/02 ug/l	GW-AA-Q-1-127 7/30/02 ug/l	GW-AA-Q-1-127 1/2 7/30/02 ug/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 ug/l	GW-AA-Q-1-127 1/2-Filtered 07/30/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	6.1 J	100 U	100 U	NR
1,2-Dichlorobenzene	7.4 J	3.4 J	NR	440	430	490
1,3-Dichlorobenzene	10 U	10 U	2.5 J	100 U	100 U	NR
1,4-Dichlorobenzene	6.1 J	10 U	22	19 J	19 J	NR
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	100 U	100 U	NR
2,4,5-Trichlorophenol	10 U	10 U	10 U	100 U	100 U	NR
2,4,6-Trichlorophenol	10 U	10 U	10 U	100 U	100 U	NR
2,4-Dichlorophenol	10 U	10 U	12	100 U	100 U	NR
2,4-Dimethylphenol	10 U	10 U	10 U	100 U	100 U	NR
2,4-Dinitrophenol	50 U	50 U	50 U	500 U	500 U	NR
2,4-Dinitrotoluene	10 U	10 U	10 U	100 U	100 U	NR
2,6-Dinitrotoluene	10 U	10 U	10 U	100 U	100 U	NR
2-Chloronaphthalene	10 U	10 U	10 U	100 U	100 U	NR
2-Chlorophenol	10	4 J	5.6 J	100 U	100 U	NR
2-Methylnaphthalene	10 U	10 U	10 U	100 U	100 U	NR
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	100 U	100 U	NR
2-Nitroaniline	50 U	50 U	50 U	500 U	500 U	NR
2-Nitrophenol	10 U	10 U	10 U	100 U	100 U	NR
3,3'-Dichlorobenzidine	20 U	20 U	20 U	200 U	200 U	NR
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	100 U	100 U	NR
3-Nitroaniline	50 U	50 U	50 U	500 U	500 U	NR
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	500 U	500 U	NR
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	100 U	100 U	NR
4-Chloro-3-methylphenol	10 U	10 U	10 U	100 U	100 U	NR
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	100 U	100 U	NR
4-Nitrophenol	50 U	50 U	50 U	500 U	500 U	NR
Acenaphthene	10 U	10 U	10 U	100 U	100 U	NR
Acenaphthylene	10 U	10 U	10 U	100 U	100 U	NR
Anthracene	10 U	10 U	10 U	100 U	100 U	NR
Benzo(a)anthracene	10 U	10 U	10 U	100 U	100 U	NR
Benzo(a)pyrene	10 U	10 U	10 U	100 U	100 U	NR
Benzo(b)fluoranthene	10 U	10 U	10 U	100 U	100 U	NR
Benzo(g,h,i)perylene	1 J	10 U	10 U	100 U	100 U	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-120 07/30/02 ug/l	GW-AA-Q-1-120-Filtered 7/30/02 ug/l	GW-AA-Q-1-127 7/30/02 ug/l	GW-AA-Q-1-127 1/2 7/30/02 ug/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 ug/l	GW-AA-Q-1-127 1/2-Filtered 07/30/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	100 U	100 U	NR
Benzyl Butyl Phthalate	10 U	10 U	10 U	100 U	100 U	NR
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	100 U	100 U	NR
bis(2-Chloroethyl)ether	10 U	10 U	10 U	100 U	100 U	NR
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	100 U	100 U	NR
Carbazole	10 U	10 U	10 U	100 U	100 U	NR
Chrysene	10 U	10 U	10 U	100 U	100 U	NR
Di-n-butylphthalate	10 U	10 U	10 U	100 U	100 U	NR
Di-n-octylphthalate	10 U	10 U	10 U	100 U	100 U	NR
Dibenzo(a,h)anthracene	1 J	10 U	10 U	100 U	100 U	NR
Dibenzofuran	10 U	10 U	10 U	100 U	100 U	NR
Diethyl Phthalate	10 U	10 U	10 U	100 U	100 U	NR
Dimethyl Phthalate	10 U	10 U	10 U	100 U	100 U	NR
Dinoseb	10 U	10 U	10 U	100 U	100 U	NR
Fluoranthene	10 U	10 U	10 U	100 U	100 U	NR
Fluorene	10 U	10 U	10 U	100 U	100 U	NR
Hexachlorobenzene	10 U	10 U	10 U	100 U	100 U	NR
Hexachlorobutadiene	10 U	10 U	10 U	100 U	100 U	NR
Hexachlorocyclopentadiene	10 U	10 U	10 U	100 U	100 U	NR
Hexachloroethane	10 U	10 U	10 U	100 U	100 U	NR
Indeno(1,2,3-cd)pyrene	1 J	10 U	10 U	100 U	100 U	NR
Isophorone	10 U	10 U	10 U	100 U	100 U	NR
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	100 U	100 U	NR
N-Nitrosodiphenylamine	10 U	10 U	10 U	100 U	100 U	NR
Naphthalene	5.9 J	2.1 J	3.1 J	100 U	100 U	NR
Nitrobenzene	10 U	10 U	10 U	100 U	100 U	NR
P-Chloroaniline	27	36	NR	2500	3200	3500
P-Nitroaniline	50 U	50 U	50 U	500 U	500 U	NR
Pentachlorophenol	NR	50 U	50 U	NR	NR	NR
Phenanthrene	10 U	10 U	10 U	100 U	100 U	NR
Phenol	3.4 J	2.3 J	2 J	100 U	100 U	NR
Pyrene	10 U	10 U	10 U	100 U	100 U	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-50 07/16/02 ug/l	GW-AA-Q-1-50-Filtered 7/29/02 ug/l	GW-AA-Q-1-60 7/16/02 ug/l	GW-AA-Q-1-60-DUP 7/16/02 ug/l	GW-AA-Q-1-70 7/16/02 ug/l	GW-AA-Q-1-80 7/16/02 ug/l	GW-AA-Q-1-90 7/17/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	11	9.3 J	8 J	8 J	4 J	5.6 J	10 U
1,3-Dichlorobenzene	2.5 J	1.6 J	10 U	1.5 J	10 U	10 U	10 U
1,4-Dichlorobenzene	30	15	21	20	9.6 J	12	12
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	1 J	10 U	10 U	10 U	10 U	1 J	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	3.2 J	2.8 J	2.9 J	3 J	1.6 J	2.4 J	3.7 J
2-Methylnaphthalene	10 U	10 R	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	0.62 J	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	3.7 J	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	1.2 J	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-50 07/16/02 ug/l	GW-AA-Q-1-50-Filtered 7/29/02 ug/l	GW-AA-Q-1-60 7/16/02 ug/l	GW-AA-Q-1-60-DUP 7/16/02 ug/l	GW-AA-Q-1-70 7/16/02 ug/l	GW-AA-Q-1-80 7/16/02 ug/l	GW-AA-Q-1-90 7/17/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	0.84 J	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	0.66 J	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	0.58 J	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	2.8 J	10 UJ
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	0.88 J	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	1.5 J	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	130	120	60	80	14 J	55	110
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-2-100	GW-AA-Q-2-110	GW-AA-Q-2-110-DUP	GW-AA-Q-2-120	GW-AA-Q-2-120-Filtered	GW-AA-Q-2-130	GW-AA-Q-2-130B-Filtered
Sample Date	7/19/02	7/31/02	7/31/02	7/31/02	7/31/02	8/1/02	8/1/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	2.4 J	10 U	10 U	2.3 J	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	5.3 J	10 U	1.5 J	3.9 J	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	1.1 J	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	4.9 J	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 UJ	50 U	50 UJ	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	0.67 J	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-2-100	GW-AA-Q-2-110	GW-AA-Q-2-110-DUP	GW-AA-Q-2-120	GW-AA-Q-2-120-Filtered	GW-AA-Q-2-130	GW-AA-Q-2-130B-Filtered
Sample Date	7/19/02	7/31/02	7/31/02	7/31/02	7/31/02	8/1/02	8/1/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 UJ	NR	50 UJ	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-2-60 07/18/02 ug/l	GW-AA-Q-2-60-Filtered 7/31/02 ug/l	GW-AA-Q-2-70 7/18/02 ug/l	GW-AA-Q-2-80FT 7/18/02 ug/l	GW-AA-Q-2-90 7/19/02 ug/l	GW-AA-Q-3-100 8/2/02 ug/l	GW-AA-Q-3-110 8/5/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	2.6 J	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3.3 J	10 U	4.6 J	6.8 J	6.2 J	1.4 J	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	19	1.2 J	10 U	10 U
2,4-Dichlorophenol	43	10 U	7.8 J	46	5.6 J	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 UJ	50 UJ	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	7.8 J	10 U	10 U	5 J	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 UJ	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	0.69 J	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-2-60 07/18/02 ug/l	GW-AA-Q-2-60-Filtered 7/31/02 ug/l	GW-AA-Q-2-70 7/18/02 ug/l	GW-AA-Q-2-80FT 7/18/02 ug/l	GW-AA-Q-2-90 7/19/02 ug/l	GW-AA-Q-3-100 8/2/02 ug/l	GW-AA-Q-3-110 8/5/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	0.63 J	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	1.7 J	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	3.9 J	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 UJ	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	14	10 U	10 U	10 U	5.2 J	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-3-120 08/05/02 ug/l	GW-AA-Q-3-120 Filtered 8/5/02 ug/l	GW-AA-Q-3-50 07/19/02 ug/l	GW-AA-Q-3-50-Filter 8/2/02 ug/l	GW-AA-Q-3-60 7/22/02 ug/l	GW-AA-Q-3-70 7/22/02 ug/l	GW-AA-Q-3-80 7/22/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	1.5 J	10 U	2.7 J	10 U	2.6 J	3.6 J	3.4 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	1.7 J	10 U	6 J	1.3 J	1.8 J
2,4-Dichlorophenol	10 U	10 U	6.8 J	10 U	19	3.8 J	5.2 J
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	4.1 J	10 U	3.6 J	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 UJ	50 UJ	50 UJ
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	0.68 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-3-120 08/05/02 ug/l	GW-AA-Q-3-120 Filtered 8/5/02 ug/l	GW-AA-Q-3-50 07/19/02 ug/l	GW-AA-Q-3-50-Filter 8/2/02 ug/l	GW-AA-Q-3-60 7/22/02 ug/l	GW-AA-Q-3-70 7/22/02 ug/l	GW-AA-Q-3-80 7/22/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	2.5 J	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	10 J	5.8 J	4.1 J	8.3 J
P-Nitroaniline	50 U	50 U	50 U	50 U	50 UJ	50 UJ	50 UJ
Pentachlorophenol	NR	50 U	NR	50 U	50 U	50 U	NR
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 J	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-3-80-DUP 7/22/02 ug/l	GW-AA-Q-3-90 8/2/02 ug/l	GW-AA-Q-4-100 8/6/02 ug/l	GW-AA-Q-4-100-DUP 8/6/02 ug/l	GW-AA-Q-4-110 08/06/02 ug/l	GW-AA-Q-4-110 Filtered 8/6/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3.3 J	1.7 J	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	1.7 J	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5.4 J	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 UJ	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-3-80-DUP 7/22/02 ug/l	GW-AA-Q-3-90 8/2/02 ug/l	GW-AA-Q-4-100 8/6/02 ug/l	GW-AA-Q-4-100-DUP 8/6/02 ug/l	GW-AA-Q-4-110 08/06/02 ug/l	GW-AA-Q-4-110 Filtered 8/6/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	3.2 J	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 UJ	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-4-50 7/22/02 ug/l	GW-AA-Q-4-50 Filtered 8/5/02 ug/l	GW-AA-Q-4-60 7/23/02 ug/l	GW-AA-Q-4-70 7/23/02 ug/l	GW-AA-Q-4-80 7/23/02 ug/l	GW-AA-Q-4-90 7/23/02 ug/l	GW-AA-Q-5-105 8/8/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	2.2 J	2 J	2.1 J	2.4 J	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 UJ	50 U	50 UJ	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	7.6 J	4 J	10 U	10 U	10 U	1.8 J	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 R	20 R	20 R	20 R	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-4-50 7/22/02 ug/l	GW-AA-Q-4-50 Filtered 8/5/02 ug/l	GW-AA-Q-4-60 7/23/02 ug/l	GW-AA-Q-4-70 7/23/02 ug/l	GW-AA-Q-4-80 7/23/02 ug/l	GW-AA-Q-4-90 7/23/02 ug/l	GW-AA-Q-5-105 8/8/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 UJ	10 U	10 UJ	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 R	10 R	10 R	10 R	10 U
bis(2-Chloroethyl)ether	3.8 J	4.4 J	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 R	10 U	0.87 J	10 U	10 U
Carbazole	10 U	10 U	10 R	10 R	10 R	10 R	10 U
Chrysene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 R	20 R	20 R	20 R	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 UJ	50 U	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-5-106-Filtered	GW-AA-Q-5-45	GW-AA-Q-5-45-Filtered	GW-AA-Q-5-55	GW-AA-Q-5-55-DUP	GW-AA-Q-5-65	GW-AA-Q-5-75
Sample Date	8/8/02	8/7/02	8/7/02	8/7/02	8/7/02	8/7/02	8/7/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	11	4.8 J	5 J	4.1 J	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 R	20 R	20 R	20 R	20 R	20 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	4.7 J	4 J	1.6 J	10 U	12	9.4 J
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 UJ	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-5-106-Filtered	GW-AA-Q-5-45	GW-AA-Q-5-45-Filtered	GW-AA-Q-5-55	GW-AA-Q-5-55-DUP	GW-AA-Q-5-65	GW-AA-Q-5-75
Sample Date	8/8/02	8/7/02	8/7/02	8/7/02	8/7/02	8/7/02	8/7/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	2.9 J	1.9 J	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	1.2 J	10 U	10 U	10 U	2.4 J	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	1.5 J	10 U	10 U	10 U	3.3 J	1.1 J
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	91	61	20 U	20 U	500	130
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	1.6 J	1.3 J	10 U	10 U	1.6 J	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-5-75-DUP 8/7/02 ug/l	GW-AA-Q-5-85 8/8/02 ug/l	GW-AA-Q-5-85-Filtered 8/8/02 ug/l	GW-AA-Q-5-95 8/8/02 ug/l	GW-AA-Q-6-104 7/29/02 ug/l	GW-AA-Q-6-104-Filtered 7/29/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 UJ	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 UJ	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 UJ	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 UJ	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 UJ	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 UJ	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	2.6 J	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 UJ	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 UJ	10 U	10 U	10 U
3,3'-Dichlorobenzidine	NR	20 U	20 U	20 U	20 R	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	9.6 J	7 J	5.7 J	52	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 UJ	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 UJ	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 UJ	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-5-75-DUP 8/7/02 ug/l	GW-AA-Q-5-85 8/8/02 ug/l	GW-AA-Q-5-85-Filtered 8/8/02 ug/l	GW-AA-Q-5-95 8/8/02 ug/l	GW-AA-Q-6-104 7/29/02 ug/l	GW-AA-Q-6-104-Filtered 7/29/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	1.4 J	2.4 J	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 UJ	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	1.5 J	10 U	4.1 J	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	150	380	200	82	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 UJ	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 UJ	1.4 J	7 J	9.5 J
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-110 7/29/02 ug/l	GW-AA-Q-6-110-Filtered 7/29/02 ug/l	GW-AA-Q-6-24 07/25/02 ug/l	GW-AA-Q-6-24-DUP 7/25/02 ug/l	GW-AA-Q-6-24-DUP-Filter 7/25/02 ug/l	GW-AA-Q-6-24-Filter 7/25/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	9.4 J	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	2 J	10 R	410 J	500 J	420 J	230
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 R	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 UJ	50 UJ	50 U	50 UJ
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	6.8 J	8 J	6.9 J	5 J
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	0.65 J	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	1.4 J	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-110 7/29/02 ug/l	GW-AA-Q-6-110-Filtered 7/29/02 ug/l	GW-AA-Q-6-24 07/25/02 ug/l	GW-AA-Q-6-24-DUP 7/25/02 ug/l	GW-AA-Q-6-24-DUP-Filter 7/25/02 ug/l	GW-AA-Q-6-24-Filter 7/25/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	1.4 J	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	11	12	8.3 J	2.6 J
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	3.2 J	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	4.6 J	5.2 J	2.9 J	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	8.4 J	9.8 J	6.2 J	3.5 J
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	120 J	71 J	53 J	91 J
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 UJ	50 UJ	50 U	50 UJ
Pentachlorophenol	NR	50 U	NR	NR	50 U	50 U
Phenanthrene	10 U	10 U	16	18	7.2 J	10 U
Phenol	3 J	4.4 J	10 U	13	14	12
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-34 7/25/02 ug/l	GW-AA-Q-6-34-DUP 7/25/02 ug/l	GW-AA-Q-6-44 7/25/02 ug/l	GW-AA-Q-6-54 7/26/02 ug/l	GW-AA-Q-6-64 7/26/02 ug/l	GW-AA-Q-6-64-Filtered 7/26/02 ug/l	GW-AA-Q-6-74 7/26/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	140	150	16	7.9 J	32	14	10
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 R	20 R	20 R	20 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 UJ	50 UJ	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	2.2 J	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	2.4 J	2.7 J	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-6-34	GW-AA-Q-6-34-DUP	GW-AA-Q-6-44	GW-AA-Q-6-54	GW-AA-Q-6-64	GW-AA-Q-6-64-Filtered	GW-AA-Q-6-74
Sample Date	7/25/02	7/25/02	7/25/02	7/26/02	7/26/02	7/26/02	7/26/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	4.6 J	4.8 J	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	15	10	3.2 J
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 UJ	50 UJ	50 UJ	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 U	50 U	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	5 J	10 U	2.4 J
Phenol	320	120 J	46	38	4 J	4.7 J	3.4 J
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-84 7/29/02 ug/l	GW-AA-Q-6-94 7/29/02 ug/l	GW-AA-Q-7-104 07/30/02 ug/l	GW-AA-Q-7-104-DUP 07/30/02 ug/l	GW-AA-Q-7-104-Filtered 7/30/02 ug/l	GW-AA-Q-7-104-Filtered-DUP 7/30/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 R	10 R	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	20	2 J	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-84 7/29/02 ug/l	GW-AA-Q-6-94 7/29/02 ug/l	GW-AA-Q-7-104 07/30/02 ug/l	GW-AA-Q-7-104-DUP 07/30/02 ug/l	GW-AA-Q-7-104-Filtered 7/30/02 ug/l	GW-AA-Q-7-104-Filtered-DUP 7/30/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	1.2 J	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	0.63 J	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	0.67 J	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	2.2 J	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	NR	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	24	3.2 J	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-24 07/24/02 ug/l	GW-AA-Q-7-34 7/24/02 ug/l	GW-AA-Q-7-44 7/24/02 ug/l	GW-AA-Q-7-54 7/24/02 ug/l	GW-AA-Q-7-64 07/24/02 ug/l	GW-AA-Q-7-64-Filtered 7/24/02 ug/l	GW-AA-Q-7-74 7/24/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	1.2 J	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	1.7 J	2.6 J	10 U	10 U	1.2 J
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	3.6 J	3.6 J	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-24 07/24/02 ug/l	GW-AA-Q-7-34 7/24/02 ug/l	GW-AA-Q-7-44 7/24/02 ug/l	GW-AA-Q-7-54 7/24/02 ug/l	GW-AA-Q-7-64 07/24/02 ug/l	GW-AA-Q-7-64-Filtered 7/24/02 ug/l	GW-AA-Q-7-74 7/24/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	2.2 J	1.8 J	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-7-74-DUP	GW-AA-Q-7-84	GW-AA-Q-7-94	GW-AA-Q-8-104	GW-AA-Q-8-104-Filter	GW-AA-Q-8-111	GW-AA-Q-8-111-Filter
Sample Date	7/24/02	7/24/02	7/30/02	08/02/02	8/2/02	08/02/02	8/2/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 UJ	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	0.81 J	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-74-DUP 7/24/02 ug/l	GW-AA-Q-7-84 7/24/02 ug/l	GW-AA-Q-7-94 7/30/02 ug/l	GW-AA-Q-8-104 08/02/02 ug/l	GW-AA-Q-8-104-Filter 8/2/02 ug/l	GW-AA-Q-8-111 08/02/02 ug/l	GW-AA-Q-8-111-Filter 8/2/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	0.64 J	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	0.94 J	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 UJ	50 U
Pentachlorophenol	50 U	50 U	50 U	NR	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-24 7/31/02 ug/l	GW-AA-Q-8-24-Filtered 7/31/02 ug/l	GW-AA-Q-8-34 7/31/02 ug/l	GW-AA-Q-8-34-DUP 7/31/02 ug/l	GW-AA-Q-8-44 7/31/02 ug/l	GW-AA-Q-8-54 7/31/02 ug/l	GW-AA-Q-8-64 7/31/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 UJ	50 UJ	50 U	50 U	50 U	50 UJ	50 UJ
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	0.84 J	0.77 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-24 7/31/02 ug/l	GW-AA-Q-8-24-Filtered 7/31/02 ug/l	GW-AA-Q-8-34 7/31/02 ug/l	GW-AA-Q-8-34-DUP 7/31/02 ug/l	GW-AA-Q-8-44 7/31/02 ug/l	GW-AA-Q-8-54 7/31/02 ug/l	GW-AA-Q-8-64 7/31/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	0.62 J	10 U	10 U	10 U	0.64 J	0.58 J
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	0.77 J	0.68 J
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 UJ	50 U	50 U	50 U	50 UJ	NR
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-64-Filtered 7/31/02 ug/l	GW-AA-Q-8-74 8/1/02 ug/l	GW-AA-Q-8-84 8/1/02 ug/l	GW-AA-Q-8-94 8/1/02 ug/l	GW-AA-R-1-108 7/23/02 ug/l	GW-AA-R-1-118 7/23/02 ug/l	GW-AA-R-1-128 7/23/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	41 J	500 U	100 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	1100	260 J	18 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	28 J	500 U	100 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	210	500 U	37 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	240	500 U	100 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	50 J	54 J	100 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2-Chlorophenol	10 U	10 U	10 U	10 U	300	140 J	55 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	12 J	500 U	100 U
2-Nitroaniline	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
2-Nitrophenol	10 U	10 U	10 U	10 U	100 U	500 U	100 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	200 R	1000 R	200 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	420	320 J	74 J
3-Nitroaniline	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	100 U	500 U	100 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	100 U	500 U	100 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	100 U	500 U	100 U
4-Nitrophenol	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
Acenaphthene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Acenaphthylene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Anthracene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	100 U	500 U	100 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-64-Filtered 7/31/02 ug/l	GW-AA-Q-8-74 8/1/02 ug/l	GW-AA-Q-8-84 8/1/02 ug/l	GW-AA-Q-8-94 8/1/02 ug/l	GW-AA-R-1-108 7/23/02 ug/l	GW-AA-R-1-118 7/23/02 ug/l	GW-AA-R-1-128 7/23/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	100 U	500 U	100 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	100 R	500 R	100 R
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	100 U	500 U	100 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Carbazole	10 U	10 U	10 U	10 U	100 R	500 R	100 R
Chrysene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Dibenzofuran	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	39 J	500 U	100 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Dinoseb	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Fluoranthene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Fluorene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Hexachloroethane	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Isophorone	10 U	10 U	10 U	10 U	100 U	500 U	100 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	100 U	500 U	100 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Naphthalene	10 U	10 U	10 U	10 U	1100	500 U	180 J
Nitrobenzene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
P-Chloroaniline	20 U	20 U	20 U	20 U	11000 J	16000 J	10000 J
P-Nitroaniline	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
Pentachlorophenol	50 U	50 U	50 U	50 U	500 U	2500 U	500 U
Phenanthrene	10 U	10 U	10 U	10 U	100 U	500 U	100 U
Phenol	10 U	10 U	10 U	10 U	11000	4500	1100
Pyrene	10 U	10 U	10 U	10 U	100 U	500 U	100 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-R-1-131	GW-AA-R-1-28	GW-AA-R-1-48	GW-AA-R-1-58	GW-AA-R-1-68	GW-AA-R-1-78	GW-AA-R-1-88	GW-AA-R-1-98
Sample Date	7/23/02	7/19/02	7/19/02	7/22/02	7/22/02	7/22/02	7/22/02	7/23/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,2,4-Trichlorobenzene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	20 J
1,2-Dichlorobenzene	500 U	500 U	140 J	2000 U	250 J	190 J	60	940 J
1,3-Dichlorobenzene	500 U	500 U	500 U	2000 U	2000 U	1000 U	18	50 UJ
1,4-Dichlorobenzene	500 U	500 U	130 J	370 J	410 J	300 J	120	300 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
2,4,5-Trichlorophenol	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 U
2,4,6-Trichlorophenol	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 U
2,4-Dichlorophenol	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	98
2,4-Dimethylphenol	500 U	500 U	280 J	350 J	2000 U	1000 U	10 U	50 U
2,4-Dinitrophenol	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 U
2,4-Dinitrotoluene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
2,6-Dinitrotoluene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
2-Chloronaphthalene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
2-Chlorophenol	500 U	500 U	1700	1700 J	530 J	1000 U	22	25 J
2-Methylnaphthalene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
2-Methylphenol (o-Cresol)	500 U	500 U	97 J	2000 U	2000 U	1000 U	10 U	50 U
2-Nitroaniline	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 UJ
2-Nitrophenol	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 U
3,3'-Dichlorobenzidine	1000 R	1000 U	1000 U	4000 U	4000 U	2000 U	20 U	100 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	500 U	500 U	2900	1700 J	2100	200 J	22	9.1 J
3-Nitroaniline	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 UJ
4,6-Dinitro-2-methylphenol	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 U
4-Bromophenyl Phenyl Ether	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
4-Chloro-3-methylphenol	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 U
4-Chlorophenyl Phenyl Ether	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
4-Nitrophenol	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 U
Acenaphthene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Acenaphthylene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Anthracene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Benzo(a)anthracene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Benzo(a)pyrene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Benzo(b)fluoranthene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Benzo(g,h,i)perylene	500 U	500 U	500 U	2000 U	210 J	200 J	10 U	50 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-R-1-131	GW-AA-R-1-28	GW-AA-R-1-48	GW-AA-R-1-58	GW-AA-R-1-68	GW-AA-R-1-78	GW-AA-R-1-88	GW-AA-R-1-98
Sample Date	7/23/02	7/19/02	7/19/02	7/22/02	7/22/02	7/22/02	7/22/02	7/23/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Benzyl Butyl Phthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
bis(2-Chloroethoxy)methane	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 R
bis(2-Chloroethyl)ether	500 U	360 J	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
bis(2-Ethylhexyl)phthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Carbazole	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 R
Chrysene	500 U	500 U	500 U	2000 U	110 J	1000 U	10 U	50 UJ
Di-n-butylphthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Di-n-octylphthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Dibenzo(a,h)anthracene	500 U	500 U	500 U	2000 U	170 J	180 J	10 U	50 UJ
Dibenzofuran	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Diethyl Phthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	14 UJ
Dimethyl Phthalate	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Dinoseb	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Fluoranthene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Fluorene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Hexachlorobenzene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Hexachlorobutadiene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Hexachlorocyclopentadiene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Hexachloroethane	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Indeno(1,2,3-cd)pyrene	500 U	500 U	500 U	2000 U	160 J	150 J	10 U	50 UJ
Isophorone	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
N-Nitroso-di-n-propylamine	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
N-Nitrosodiphenylamine	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Naphthalene	500 U	500 U	7900	5400	4300	410 J	68	180 J
Nitrobenzene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
P-Chloroaniline	15000 J	11000	40000	46000	51000	25000	1300	4800 J
P-Nitroaniline	2500 U	2500 U	2500 U	10000 U	10000 U	5000 U	50 U	250 UJ
Pentachlorophenol	NR	NR	2500 U	10000 U	10000 U	NR	50 U	250 U
Phenanthrene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ
Phenol	230 J	500 U	70000	27000	26000	1900	350	130
Pyrene	500 U	500 U	500 U	2000 U	2000 U	1000 U	10 U	50 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-1-104	GW-AA-S-1-114	GW-AA-S-1-124	GW-AA-S-1-24FT	GW-AA-S-1-34FT	GW-AA-S-1-44	GW-AA-S-1-54	GW-AA-S-1-54-DUP
Sample Date	7/12/02	7/12/02	7/15/02	06/26/02	06/26/02	7/11/02	7/11/02	7/11/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
1,2-Dichlorobenzene	10 U	10 U	10 U	1.5 J	1.4 J	20 U	10 U	10 UJ
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,4-Dinitrophenol	50 UJ	50 UJ	50 UJ	50 U	50 U	100 UJ	50 UJ	50 UJ
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2-Chlorophenol	10 U	7.1 J	10 U	10 U	10 U	20 U	10 U	10 UJ
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 UJ
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 UJ
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 UJ
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 UJ
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 UJ
Acenaphthene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Anthracene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-1-104	GW-AA-S-1-114	GW-AA-S-1-124	GW-AA-S-1-24FT	GW-AA-S-1-34FT	GW-AA-S-1-44	GW-AA-S-1-54	GW-AA-S-1-54-DUP
Sample Date	7/12/02	7/12/02	7/15/02	06/26/02	06/26/02	7/11/02	7/11/02	7/11/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
bis(2-Chloroethyl)ether	10 U	10 U	10 U	1.8 J	1.4 J	20 U	10 U	10 UJ
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	3.5 J
Carbazole	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Chrysene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Dinoseb	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Fluoranthene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Fluorene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Isophorone	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Naphthalene	10 U	3.3 J	10 U	10 U	10 U	20 U	10 U	10 UJ
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 UJ
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 UJ
Pentachlorophenol	NR	50 U	NR	NR	50 U	100 U	50 U	50 UJ
Phenanthrene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Phenol	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ
Pyrene	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-1-64 7/12/02 ug/l	GW-AA-S-1-74FT 6/28/02 ug/l	GW-AA-S-1-84FT 06/28/02 ug/l	GW-AA-S-1-84FT-DUP 06/28/02 ug/l	GW-AA-S-1-94FT 6/28/02 ug/l	GW-AA-S-2-108 7/17/02 ug/l	GW-AA-S-2-118 7/17/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 U	50 U	50 U	50 UJ	50 UJ
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	4.4 J	10
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-1-64 7/12/02 ug/l	GW-AA-S-1-74FT 6/28/02 ug/l	GW-AA-S-1-84FT 06/28/02 ug/l	GW-AA-S-1-84FT-DUP 06/28/02 ug/l	GW-AA-S-1-94FT 6/28/02 ug/l	GW-AA-S-2-108 7/17/02 ug/l	GW-AA-S-2-118 7/17/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	2 J	4.8 J
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-118 1/2	GW-AA-S-2-28	GW-AA-S-2-38	GW-AA-S-2-48	GW-AA-S-2-58	GW-AA-S-2-68	GW-AA-S-2-78	GW-AA-S-2-88
Sample Date	7/17/02	07/15/02	7/15/02	7/15/02	7/16/02	7/16/02	7/16/02	7/16/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 UJ	50 UJ	50 UJ	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	5.9 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-118 1/2	GW-AA-S-2-28	GW-AA-S-2-38	GW-AA-S-2-48	GW-AA-S-2-58	GW-AA-S-2-68	GW-AA-S-2-78	GW-AA-S-2-88
Sample Date	7/17/02	07/15/02	7/15/02	7/15/02	7/16/02	7/16/02	7/16/02	7/16/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	NR	50 U	50 U	50 U	50 U	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-98	GW-AA-S-3-104FT	GW-AA-S-3-114FT	GW-AA-S-3-124FT	GW-AA-S-3-132FT	GW-AA-S-3-24FT	GW-AA-S-3-34FT
Sample Date	7/16/02	07/01/02	7/2/02	7/2/02	07/02/02	7/15/02	7/15/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	1.4 J	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	1.3 J	10 U	1.4 J	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 UJ	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	4.2 J	10	7.9 J	4.3 J	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	3.8 J	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	1.3 J	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-2-98	GW-AA-S-3-104FT	GW-AA-S-3-114FT	GW-AA-S-3-124FT	GW-AA-S-3-132FT	GW-AA-S-3-24FT	GW-AA-S-3-34FT
Sample Date	7/16/02	07/01/02	7/2/02	7/2/02	07/02/02	7/15/02	7/15/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound							
Benzo(k)fluoranthene	10 U	0.66 J	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	1 J	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	0.55 J	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	2.8 J	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	0.96 J	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	2.2 J	5.7 J	4.1 J	2.3 J	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	3.7 J	2.4 J	1.7 J	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 U	50 U	NR	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-3-44FT 06/28/02 ug/l	GW-AA-S-3-54FT 06/28/02 ug/l	GW-AA-S-3-64FT 06/28/02 ug/l	GW-AA-S-3-74FT 7/1/02 ug/l	GW-AA-S-3-84FT 7/1/02 ug/l	GW-AA-S-3-94FT 7/1/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	1.4 J	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	1.5 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	4 J	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	1.2 J	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-3-44FT 06/28/02 ug/l	GW-AA-S-3-54FT 06/28/02 ug/l	GW-AA-S-3-64FT 06/28/02 ug/l	GW-AA-S-3-74FT 7/1/02 ug/l	GW-AA-S-3-84FT 7/1/02 ug/l	GW-AA-S-3-94FT 7/1/02 ug/l
Benzo(k)fluoranthene	10 U	10 U	10 U	1.1 J	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	0.88 J	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	0.67 J	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	2.9 J	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	1 J	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l	GW-UAA-1-100FT 06/18/02 ug/l	GW-UAA-1-110FT 06/18/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 R	10 U	10 U	10 U	4.6 J	10 U	3.8 J	6.3 J
1,3-Dichlorobenzene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	18	36
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 R	10 U	10 U	5.4 J	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 R	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	4.8 J	10 U	1.7 J	6.4 J
2-Methylnaphthalene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 R	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 R	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 R	10 U	10 U	2.2 J	10 U	10 U	10 U
3-Nitroaniline	50 U	50 R	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 R	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	1.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	1.6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	1.8 J	1 J	10 U	10 U	10 U	10 U	0.84 J	10 U
Benzo(k)fluoranthene	10 U	1.8 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l	GW-UAA-1-100FT 06/18/02 ug/l	GW-UAA-1-110FT 06/18/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	1.3 J	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	0.68 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	1.1 J	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	1.5 J	0.64 J	10 U	10 U	10 U	10 U	0.68 J	10 U
Dibenzofuran	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	1.3 J	0.72 R	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 R	10 U	10 U	10 U	4.9 J	10 U	10 U	10 U
Nitrobenzene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 R	20 R	20 U	20 U	1600	20 U	20 U	20 U
P-Nitroaniline	50 U	50 R	50 R	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	10 U	10 R	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	2.7 J	10 R	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 R	10 R	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-20FT 06/14/02 ug/l	GW-UAA-1-30FT 06/14/02 ug/l	GW-UAA-1-40FT 06/14/02 ug/l	GW-UAA-1-50FT 06/17/02 ug/l	GW-UAA-1-60FT 06/17/02 ug/l	GW-UAA-1-70FT 06/17/02 ug/l	GW-UAA-1-80FT 06/17/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	1.8 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	3.3 J
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-20FT 06/14/02 ug/l	GW-UAA-1-30FT 06/14/02 ug/l	GW-UAA-1-40FT 06/14/02 ug/l	GW-UAA-1-50FT 06/17/02 ug/l	GW-UAA-1-60FT 06/17/02 ug/l	GW-UAA-1-70FT 06/17/02 ug/l	GW-UAA-1-80FT 06/17/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-90FT 06/18/02 ug/l	GW-UAA-2-100FT 06/21/02 ug/l	GW-UAA-2-110FT 06/21/02 ug/l	GW-UAA-2-120FT 06/21/02 ug/l	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-30FT 06/19/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	1.4 J	9.8 J	16	14	7.4 J	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	49	26	32	10 U	10 U
1,4-Dichlorobenzene	9.8 J	370 J	1200	860 J	410 J	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	8 J	16	12	8.3 J	10 U	10 U
2,4-Dimethylphenol	10 U	10	14	12	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	5.4 J	18	32	9.6 J	20	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 R	20 R	20 R	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-90FT 06/18/02 ug/l	GW-UAA-2-100FT 06/21/02 ug/l	GW-UAA-2-110FT 06/21/02 ug/l	GW-UAA-2-120FT 06/21/02 ug/l	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-30FT 06/19/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	2.9 J	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	12	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	3.1 J	9.7 J	2.8 J	2.4 J	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	50 U	50 U	NR	NR	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-2-30FT-DUP 06/19/02 ug/l	GW-UAA-2-40FT 06/19/02 ug/l	GW-UAA-2-50FT 06/19/02 ug/l	GW-UAA-2-60FT 06/20/02 ug/l	GW-UAA-2-70FT 06/20/02 ug/l	GW-UAA-2-80FT 06/20/02 ug/l	GW-UAA-2-90FT 06/20/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	7.3 J
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	16
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	240
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	8.7 J
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	2.2 J	9.6 J	9.5 J
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	2.4 J	1.6 J	10 U	24
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 R	20 R	20 R	20 R
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-2-30FT-DUP 06/19/02 ug/l	GW-UAA-2-40FT 06/19/02 ug/l	GW-UAA-2-50FT 06/19/02 ug/l	GW-UAA-2-60FT 06/20/02 ug/l	GW-UAA-2-70FT 06/20/02 ug/l	GW-UAA-2-80FT 06/20/02 ug/l	GW-UAA-2-90FT 06/20/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	4.4 J	3.7 J	6 J	8.6 J
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	50 U	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-104 06/13/02 ug/l	GW-UAA-3-114 06/13/02 ug/l	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-34FT-R 06/11/02 ug/l	GW-UAA-3-44FT 06/10/02 ug/l	GW-UAA-3-54FT 06/11/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	25	23	16	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	28	18	13	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	1700 J	1800	1500	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	7.8 J	1 J	1.5 J	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	52	59	53	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	14	17	9.7 J	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	1.4 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	1.3 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	1.6 J	10 U	0.69 J	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-104 06/13/02 ug/l	GW-UAA-3-114 06/13/02 ug/l	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-34FT-R 06/11/02 ug/l	GW-UAA-3-44FT 06/10/02 ug/l	GW-UAA-3-54FT 06/11/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.69 J	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	1.5 J	0.67 J	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	3.2 J	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	1400 J	200 U	9.8 J	20 U	20 U	20 U	20 U
P-Nitroaniline	1.5 J	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	NR	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-64 06/12/02 ug/l	GW-UAA-3-74 06/12/02 ug/l	GW-UAA-3-84 06/12/02 ug/l	GW-UAA-3-94 06/12/02 ug/l	GW-AA-UAA-4-100 07/26/02 ug/l	GW-AA-UAA-4-100-Filtered 07/26/02 ug/l	GW-AA-UAA-4-113 07/29/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	5 J	17	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	20	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	170	1000	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	2.2 J	9.4 J	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 R	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 R
2-Chlorophenol	10 U	10 U	14	9.5 J	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 R	20 R	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 UJ	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-64 06/12/02 ug/l	GW-UAA-3-74 06/12/02 ug/l	GW-UAA-3-84 06/12/02 ug/l	GW-UAA-3-94 06/12/02 ug/l	GW-AA-UAA-4-100 07/26/02 ug/l	GW-AA-UAA-4-100-Filtered 07/26/02 ug/l	GW-AA-UAA-4-113 07/29/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	17	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	470 J	800	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	NR	50 U	50 U	50 U	NR	50 U	NR
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-113-Filtered 07/29/02 ug/l	GW-AA-UAA-4-20 07/24/02 ug/l	GW-AA-UAA-4-20-DUP 07/24/02 ug/l	GW-AA-UAA-4-20-DUP-Filtered 07/24/02 ug/l	GW-AA-UAA-4-20-Filtered 07/24/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 R	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-113-Filtered 07/29/02 ug/l	GW-AA-UAA-4-20 07/24/02 ug/l	GW-AA-UAA-4-20-DUP 07/24/02 ug/l	GW-AA-UAA-4-20-DUP-Filtered 07/24/02 ug/l	GW-AA-UAA-4-20-Filtered 07/24/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 U	50 U
Pentachlorophenol	50 U	NR	NR	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-30 07/24/02 ug/l	GW-AA-UAA-4-40 07/24/02 ug/l	GW-AA-UAA-4-50 07/24/02 ug/l	GW-AA-UAA-4-60 07/25/02 ug/l	GW-AA-UAA-4-60-Filtered 07/25/02 ug/l	GW-AA-UAA-4-70 07/25/02 ug/l	GW-AA-UAA-4-80 07/25/02 ug/l
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 UJ	50 UJ	50 UJ	50 UJ
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	1.5 J	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U
Benzyl Butyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-30 07/24/02 ug/l	GW-AA-UAA-4-40 07/24/02 ug/l	GW-AA-UAA-4-50 07/24/02 ug/l	GW-AA-UAA-4-60 07/25/02 ug/l	GW-AA-UAA-4-60-Filtered 07/25/02 ug/l	GW-AA-UAA-4-70 07/25/02 ug/l	GW-AA-UAA-4-80 07/25/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	0.65 J	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dinoseb	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
P-Chloroaniline	20 U	20 U	20 U	20 U	20 U	20 U	20 U
P-Nitroaniline	50 U	50 U	50 U	50 UJ	50 UJ	50 UJ	50 UJ
Pentachlorophenol	50 U	50 U	50 U	NR	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-90 07/25/02 ug/l	LEACH-O-1 09/10/02 ug/l	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
1,2,4-Trichlorobenzene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
1,2-Dichlorobenzene	10 U	380	270 J	290 J	20000 U	10 U	10 U	69 J
1,3-Dichlorobenzene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
1,4-Dichlorobenzene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	120 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2,4,5-Trichlorophenol	10 U	43 J	2000 U	2000 U	20000 U	10 U	10 U	250 U
2,4,6-Trichlorophenol	10 U	380	12000	13000	20000 U	10 U	10 U	250 U
2,4-Dichlorophenol	10 U	320	170000	170000	20000 U	10 U	10 U	250 U
2,4-Dimethylphenol	10 U	63 J	2000 U	240 J	20000 U	10 U	10 U	250 U
2,4-Dinitrophenol	50 U	1200 U	10000 U	10000 U	100000 U	50 U	50 U	1200 UJ
2,4-Dinitrotoluene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2,6-Dinitrotoluene	10 UJ	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2-Chloronaphthalene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2-Chlorophenol	10 U	330	7700	8100	11000 J	10 U	10 U	680
2-Methylnaphthalene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2-Methylphenol (o-Cresol)	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
2-Nitroaniline	50 U	260 J	15000	16000	100000 U	50 U	50 U	1200 U
2-Nitrophenol	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
3,3'-Dichlorobenzidine	20 U	500 U	4000 U	4000 U	40000 U	20 U	20 U	500 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	640	1600 J	1600 J	4500 J	10 U	10 U	250 U
3-Nitroaniline	50 UJ	1200 U	10000 U	10000 U	100000 U	50 U	50 U	1200 U
4,6-Dinitro-2-methylphenol	50 U	1200 U	10000 U	10000 U	100000 U	50 U	50 U	1200 U
4-Bromophenyl Phenyl Ether	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
4-Chloro-3-methylphenol	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
4-Chlorophenyl Phenyl Ether	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
4-Nitrophenol	50 U	1200 U	10000 U	10000 U	100000 U	50 U	50 U	1200 U
Acenaphthene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Acenaphthylene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Anthracene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Benzo(a)anthracene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Benzo(a)pyrene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Benzo(b)fluoranthene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Benzo(g,h,i)perylene	10 U	250 U	2000 U	2000 U	1400 J	10 U	10 U	250 U
Benzo(k)fluoranthene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Benzyl Butyl Phthalate	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
bis(2-Chloroethoxy)methane	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
bis(2-Chloroethyl)ether	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-2b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8270 - Semivolatile Organic Compound Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-90 07/25/02 ug/l	LEACH-O-1 09/10/02 ug/l	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
bis(2-Ethylhexyl)phthalate	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Carbazole	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Chrysene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Di-n-butylphthalate	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Di-n-octylphthalate	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Dibenzo(a,h)anthracene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Dibenzofuran	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Diethyl Phthalate	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Dimethyl Phthalate	10 U	250 U	2000 U	2000 U	4200 J	10 U	10 U	250 U
Dinoseb	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Fluoranthene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Fluorene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Hexachlorobenzene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Hexachlorobutadiene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Hexachlorocyclopentadiene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Hexachloroethane	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Indeno(1,2,3-cd)pyrene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Isophorone	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
N-Nitroso-di-n-propylamine	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
N-Nitrosodiphenylamine	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Naphthalene	10 U	570	1200 J	1200 J	20000 U	10 U	10 U	620
Nitrobenzene	10 U	80 J	1200 J	1400 J	20000 U	10 U	10 U	250 U
P-Chloroaniline	20 U	4200	8600	10000	42000	20 U	20 U	5800
P-Nitroaniline	50 UJ	700 J	940 J	1200 J	18000 J	50 U	50 U	1200 U
Pentachlorophenol	50 U	8700	NR	NR	NR	NR	NR	NR
Phenanthrene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U
Phenol	10 U	3800	8000	8100	1100000	10 U	10 U	250 U
Pyrene	10 U	250 U	2000 U	2000 U	20000 U	10 U	10 U	250 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-1-120 07/10/02 ug/l	GW-AA-O-1-16 6/18/02 ug/l	GW-AA-O-1-56 6/18/02 ug/l	GW-AA-O-1-96 07/09/02 ug/l	GW-AA-O-2-124 07/08/02 ug/l	GW-AA-O-2-13 6/20/02 ug/l	GW-AA-O-2-53 6/21/02 ug/l	GW-AA-O-2-53-DUP 06/21/02 ug/l	GW-AA-O-2-93FT 6/24/02 ug/l
4,4'-DDD	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Aldrin	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
alpha-BHC	0.065 J	0.083 J	0.019 J	0.05 U	0.042 J	0.05 U	0.079 J	0.082 J	0.05 UJ
alpha-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
beta-BHC	0.05 UJ	0.027 J	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
delta-BHC	0.05 UJ	0.017 J	0.05 U	0.05 U	0.05 UJ	0.05 U	0.038 J	0.038 J	0.05 UJ
Dieldrin	0.1 UJ	0.0065 J	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.019 J	0.1 UJ
Endosulfan I	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan II	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.013 J	0.1 UJ	0.1 UJ
Endosulfan Sulfate	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 R
Endrin Ketone	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
gamma-BHC (Lindane)	0.05 UJ	0.0067 J	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.0094 J
gamma-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.0084 J	0.0066 J	0.05 UJ
Heptachlor	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.022 J	0.016 J	0.05 UJ
Heptachlor Epoxide	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Methoxychlor	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Toxaphene	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-3-108FT 6/26/02 ug/l	GW-AA-O-3-128 7/18/02 ug/l	GW-AA-O-3-28FT 6/24/02 ug/l	GW-AA-O-3-68FT 6/25/02 ug/l	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l
4,4'-DDD	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDE	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
4,4'-DDT	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Aldrin	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
alpha-BHC	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
alpha-Chlordane	0.05 R	0.05 R	0.05 U	0.05 UJ	0.0072 J	0.011 J	0.05 U	0.05 UJ
beta-BHC	0.027 J	0.05 UJ	0.05 U	0.0092 J	0.05 U	0.05 U	0.05 U	0.05 UJ
delta-BHC	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Dieldrin	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan I	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Endosulfan II	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan Sulfate	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin Aldehyde	0.1 R	0.1 UJ	0.1 R	0.1 R	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin Ketone	0.1 R	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
gamma-BHC (Lindane)	0.0085 J	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
gamma-Chlordane	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Heptachlor Epoxide	0.05 R	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Methoxychlor	0.5 R	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Toxaphene	5 R	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-1-64FT	GW-AA-P-2-104	GW-AA-P-2-122	GW-AA-P-2-24	GW-AA-P-2-64	GW-AA-P-3-112	GW-AA-P-3-126	GW-AA-P-3-32	GW-AA-P-3-72
Sample Date	07/09/02	08/06/02	8/7/02	08/05/02	08/05/02	08/09/02	08/12/02	8/7/02	08/08/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
alpha-BHC	0.05 U	0.0084 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
alpha-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
Dieldrin	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endosulfan Sulfate	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endrin	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
Endrin Ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
gamma-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
Heptachlor	0.0042 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
Heptachlor Epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Toxaphene	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-120 07/30/02 ug/l	GW-AA-Q-1-127 1/2 7/30/02 ug/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 ug/l	GW-AA-Q-1-50 07/16/02 ug/l	GW-AA-Q-1-80 7/16/02 ug/l	GW-AA-Q-2-120 7/31/02 ug/l	GW-AA-Q-2-130B 08/01/02 ug/l	GW-AA-Q-2-60 07/18/02 ug/l
4,4'-DDD	0.1 UJ	0.1 R	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
4,4'-DDE	0.1 UJ	0.1 R	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
4,4'-DDT	0.1 UJ	0.1 R	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Aldrin	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
alpha-BHC	0.05 UJ	0.056 J	0.056 J	0.05 UJ	0.05 UJ	0.05 R	0.05 U	NR
alpha-Chlordane	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
beta-BHC	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.17 J	0.05 UJ	0.05 U	0.05 UJ
delta-BHC	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
Dieldrin	0.1 UJ	0.076 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endosulfan I	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
Endosulfan II	0.1 UJ	0.1 R	0.04 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endosulfan Sulfate	0.1 UJ	0.1 R	0.051 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endrin	0.1 UJ	0.1 R	0.055 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 R	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endrin Ketone	0.1 UJ	0.1 R	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
gamma-BHC (Lindane)	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.026 J	0.05 UJ	0.05 U	0.05 UJ
gamma-Chlordane	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
Heptachlor	0.05 UJ	0.05 R	0.05 UJ	0.05 UJ	0.016 J	0.05 UJ	0.05 U	0.05 UJ
Heptachlor Epoxide	0.05 UJ	0.05 R	0.45 J	0.011 J	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ
Methoxychlor	0.5 UJ	0.5 R	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ
Toxaphene	5 UJ	5 R	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-2-80FT 7/18/02 ug/l	GW-AA-Q-3-120 08/05/02 ug/l	GW-AA-Q-3-50 07/19/02 ug/l	GW-AA-Q-3-80 7/22/02 ug/l	GW-AA-Q-3-80-DUP 7/22/02 ug/l	GW-AA-Q-4-110 08/06/02 ug/l	GW-AA-Q-4-50 7/22/02 ug/l	GW-AA-Q-4-80 7/23/02 ug/l
4,4'-DDD	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Aldrin	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
alpha-BHC	0.05 UJ	0.05 U	0.0054 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
alpha-Chlordane	0.05 R	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
beta-BHC	0.05 UJ	0.05 U	0.06 J	0.05 UJ	0.05 UJ	0.0093 J	0.16 J	0.027 J
delta-BHC	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 R
Dieldrin	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan I	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan II	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan Sulfate	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Ketone	0.1 UJ	0.1 U	0.1 UJ	0.018 J	0.021 J	0.1 UJ	0.1 UJ	0.1 UJ
gamma-BHC (Lindane)	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
gamma-Chlordane	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.0043 J	0.05 UJ	0.05 UJ
Heptachlor Epoxide	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.0056 J
Methoxychlor	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Toxaphene	5 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-5-106 08/08/02 ug/l	GW-AA-Q-5-45 8/7/02 ug/l	GW-AA-Q-5-85 8/8/02 ug/l	GW-AA-Q-6-104 7/29/02 ug/l	GW-AA-Q-6-110 7/29/02 ug/l	GW-AA-Q-6-24 07/25/02 ug/l	GW-AA-Q-6-24-DUP 7/25/02 ug/l	GW-AA-Q-6-64 7/26/02 ug/l	GW-AA-Q-7-104 07/30/02 ug/l
4,4'-DDD	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.029 J	0.027 J	0.1 U	0.1 UJ
4,4'-DDE	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.019 J	0.1 R	0.1 U	0.1 UJ
4,4'-DDT	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.029 J	0.03 J	0.1 U	0.1 UJ
Aldrin	0.05 U	0.0068 J	0.012 J	0.05 U	0.05 UJ	0.05 U	0.05 U	0.014 J	0.05 UJ
alpha-BHC	0.05 U	0.012 J	0.05 R	0.05 U	0.05 UJ	0.56 J	0.64 J	0.033 J	0.05 UJ
alpha-Chlordane	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.015 J	0.018 J	0.05 U	0.05 UJ
beta-BHC	0.05 U	0.096 J	0.028 J	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
delta-BHC	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
Dieldrin	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan I	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.05 U	0.0081 J	0.05 U	0.05 UJ
Endosulfan II	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endosulfan Sulfate	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ
Endrin Aldehyde	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ
Endrin Ketone	0.1 U	0.1 R	0.1 R	0.1 U	0.1 UJ	0.1 U	0.014 J	0.1 U	0.1 UJ
gamma-BHC (Lindane)	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.17 J	0.19 J	0.0073 J	0.05 UJ
gamma-Chlordane	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.027 J	0.024 J	0.05 U	0.05 UJ
Heptachlor	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.13 J	0.23	0.015 J	0.05 UJ
Heptachlor Epoxide	0.05 U	0.05 R	0.05 R	0.05 U	0.05 UJ	0.02 J	0.02 J	0.05 U	0.05 UJ
Methoxychlor	0.5 U	0.5 R	0.5 R	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ
Toxaphene	5 U	5 R	5 R	5 U	5 UJ	5 U	5 U	5 U	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-104-DUP 07/30/02 ug/l	GW-AA-Q-7-24 07/24/02 ug/l	GW-AA-Q-7-64 07/24/02 ug/l	GW-AA-Q-8-104 08/02/02 ug/l	GW-AA-Q-8-111 08/02/02 ug/l	GW-AA-Q-8-24 7/31/02 ug/l	GW-AA-Q-8-64 7/31/02 ug/l	GW-AA-R-1-131 7/23/02 ug/l	GW-AA-R-1-28 7/19/02 ug/l
4,4'-DDD	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U
4,4'-DDE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U
4,4'-DDT	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U
Aldrin	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.033 J
alpha-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 R	0.05 R	0.086 J	0.05 U
alpha-Chlordane	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.14 J
beta-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.012 J	0.05 U	0.088 J	0.16 J
delta-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.043 J	0.015 J
Dieldrin	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U
Endosulfan I	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.0049 J	0.05 U	0.05 UJ	0.031 J
Endosulfan II	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U
Endosulfan Sulfate	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.16 J	0.018 J
Endrin	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.1 U
Endrin Aldehyde	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 UJ	0.042 J
Endrin Ketone	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.12 J	0.1 U
gamma-BHC (Lindane)	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.043 J
gamma-Chlordane	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.15 J
Heptachlor	0.05 UJ	0.05 UJ	0.0078 J	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.06 J	0.05 U
Heptachlor Epoxide	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.026 J	0.05 U
Methoxychlor	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.01 J	0.5 U	0.5 UJ	0.5 U
Toxaphene	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-R-1-78 7/22/02 ug/l	GW-AA-S-1-104 7/12/02 ug/l	GW-AA-S-1-124 7/15/02 ug/l	GW-AA-S-1-24FT 06/26/02 ug/l	GW-AA-S-1-64 7/12/02 ug/l	GW-AA-S-2-118 1/2 7/17/02 ug/l	GW-AA-S-2-28 07/15/02 ug/l	GW-AA-S-2-78 7/16/02 ug/l
4,4'-DDD	0.2 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
4,4'-DDE	0.2 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
4,4'-DDT	0.2 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Aldrin	0.1 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
alpha-BHC	0.44 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
alpha-Chlordane	0.1 UJ	0.05 UJ	0.05 UJ	0.024 J	0.05 UJ	0.05 UJ	0.05 U	0.05 U
beta-BHC	0.32 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.1 J	0.05 U	0.011 J
delta-BHC	0.1 UJ	0.05 UJ	0.05 UJ	0.016 J	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Dieldrin	0.46 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Endosulfan I	0.1 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Endosulfan II	0.028 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Endosulfan Sulfate	0.16 J	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Endrin	0.2 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Endrin Aldehyde	0.2 UJ	0.1 UJ	0.1 UJ	0.032 J	0.1 UJ	0.1 UJ	0.1 U	0.1 U
Endrin Ketone	0.2 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U
gamma-BHC (Lindane)	0.086 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
gamma-Chlordane	0.059 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Heptachlor	0.25 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Heptachlor Epoxide	0.015 J	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Methoxychlor	0.025 J	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Toxaphene	10 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-3-104FT 07/01/02 ug/l	GW-AA-S-3-132FT 07/02/02 ug/l	GW-AA-S-3-24FT 7/15/02 ug/l	GW-AA-S-3-64FT 06/28/02 ug/l
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.07	0.087 J	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Aldehyde	0.1 U	0.1 U	0.1 U	0.1 U
Endrin Ketone	0.1 U	0.1 U	0.1 U	0.1 U
gamma-BHC (Lindane)	0.05 U	0.0051 J	0.05 U	0.05 U
gamma-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 UJ
Toxaphene	5 U	5 U	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l	GW-UAA-1-100FT 06/18/02 ug/l
4,4'-DDD	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDT	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Aldrin	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
alpha-BHC	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 R	0.05 R	0.05 UJ
alpha-Chlordane	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
beta-BHC	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.02 J
delta-BHC	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Dieldrin	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan I	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Endosulfan II	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endosulfan Sulfate	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 U	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Ketone	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
gamma-BHC (Lindane)	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
gamma-Chlordane	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor	0.05 U	0.0063 J	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Heptachlor Epoxide	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ
Methoxychlor	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Toxaphene	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-110FT 06/18/02 ug/l	GW-UAA-1-20FT 06/14/02 ug/l	GW-UAA-1-60FT 06/17/02 ug/l	GW-UAA-2-100FT 06/21/02 ug/l	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-60FT 06/20/02 ug/l	GW-UAA-3-104 06/13/02 ug/l
4,4'-DDD	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
4,4'-DDE	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
4,4'-DDT	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Aldrin	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
alpha-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
alpha-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
beta-BHC	0.0089 J	0.05 U	0.05 U	0.052 J	0.17 J	0.05 U	0.05 U	0.05 UJ
delta-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Dieldrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endosulfan I	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Endosulfan II	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endosulfan Sulfate	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 R	0.1 U	0.1 U	0.1 UJ
Endrin Ketone	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
gamma-BHC (Lindane)	0.0084 J	0.05 U	0.0085 J	0.037 J	0.05 UJ	0.05 U	0.05 U	0.039 J
gamma-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Heptachlor	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.029 J
Heptachlor Epoxide	0.05 UJ	0.05 U	0.006 J	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ
Methoxychlor	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Toxaphene	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-64 06/12/02 ug/l	GW-AA-UAA-4-100 07/26/02 ug/l	GW-AA-UAA-4-113 07/29/02 ug/l	GW-AA-UAA-4-20 07/24/02 ug/l	GW-AA-UAA-4-20-DUP 07/24/02 ug/l	GW-AA-UAA-4-60 07/25/02 ug/l
4,4'-DDD	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 R
4,4'-DDT	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Aldrin	0.018 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
alpha-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 R
alpha-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
beta-BHC	0.016 J	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endosulfan I	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
Endrin Ketone	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U
gamma-BHC (Lindane)	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Toxaphene	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-3b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8081 - Pesticide Data - All Other Samples

Sample ID Sample Date Units Compound	LEACH-O-1 09/11/02 ug/l	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
4,4'-DDD	2.5 U	5 U	5 U	160 UJ	0.1 UJ	0.1 UJ	0.2 U
4,4'-DDE	2.5 U	5 U	5 U	160 U	0.1 UJ	0.1 UJ	0.2 U
4,4'-DDT	2.5 U	5 U	5 U	210 J	0.1 UJ	0.1 UJ	0.2 U
Aldrin	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.32 J
alpha-BHC	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.062 J
alpha-Chlordane	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.1 U
beta-BHC	2.5 J	13 J	14	200 J	0.05 UJ	0.05 UJ	0.1 U
delta-BHC	1.2 U	2.5 U	2.5 U	80 U	0.051 J	0.05 UJ	0.1 U
Dieldrin	0.26 J	5 U	5 U	190 J	0.1 UJ	0.1 UJ	0.2 U
Endosulfan I	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.1 U
Endosulfan II	2.5 U	5 U	5 U	31 J	0.1 UJ	0.1 UJ	0.2 U
Endosulfan Sulfate	2.5 U	5 U	5 U	160 U	0.1 UJ	0.1 UJ	0.2 U
Endrin	2.5 U	5 U	5 U	160 U	0.1 UJ	0.1 UJ	0.2 U
Endrin Aldehyde	2.5 U	5 U	5 U	160 UJ	0.1 UJ	0.1 UJ	0.081 J
Endrin Ketone	2.5 UJ	3.6 J	2.8 J	160 U	0.1 UJ	0.1 UJ	0.2 U
gamma-BHC (Lindane)	1.2 U	2.5 U	2.5 U	28 J	0.05 UJ	0.05 UJ	0.1 U
gamma-Chlordane	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.056 J
Heptachlor	0.23 J	2.5 U	2.5 U	210 J	0.05 UJ	0.05 UJ	0.1 U
Heptachlor Epoxide	1.2 U	2.5 U	2.5 U	80 U	0.05 UJ	0.05 UJ	0.47 J
Methoxychlor	12 UJ	25 UJ	25 UJ	800 UJ	0.5 UJ	0.5 UJ	0.072 J
Toxaphene	120 U	250 U	250 U	8000 U	5 UJ	5 UJ	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-1-120 07/10/02 ug/l	GW-AA-O-1-16 6/18/02 ug/l	GW-AA-O-1-56 6/18/02 ug/l	GW-AA-O-1-96 07/09/02 ug/l	GW-AA-O-2-124 07/08/02 ug/l	GW-AA-O-2-13 6/20/02 ug/l	GW-AA-O-2-53 6/21/02 ug/l	GW-AA-O-2-53-DUP 06/21/02 ug/l
2,4,5-T	0.5 U	0.72	0.18 J	0.5 U	0.5 U	0.5 U	1.2	1.5
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.23 J	0.5 U	0.059 J	0.069 J
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.22 J	0.5 UJ
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-2-93FT 6/24/02 ug/l	GW-AA-O-3-108FT 6/26/02 ug/l	GW-AA-O-3-128 7/18/02 ug/l	GW-AA-O-3-28FT 6/24/02 ug/l	GW-AA-O-3-68FT 6/25/02 ug/l	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l
2,4,5-T	0.24 J	0.5 U	0.5 U	0.5 U	4.4 J	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.086 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 R	0.5 U	0.5 U	0.55 U	0.59 U
2,4-DB	0.26 J	0.5 U	0.5 R	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 UJ	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 U	4.7 J	3.9 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l	GW-AA-P-1-64FT 07/09/02 ug/l	GW-AA-P-2-104 08/06/02 ug/l	GW-AA-P-2-122 8/7/02 ug/l	GW-AA-P-2-24 08/05/02 ug/l	GW-AA-P-2-64 08/05/02 ug/l
2,4,5-T	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	0.55 J	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	32 J	120 U	120 U	120 U
Pentachlorophenol	0.21 J	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-112 08/09/02 ug/l	GW-AA-P-3-126 08/12/02 ug/l	GW-AA-P-3-32 8/7/02 ug/l	GW-AA-P-3-72 08/08/02 ug/l	GW-AA-Q-1-120 07/30/02 ug/l	GW-AA-Q-1-127 1/2 7/30/02 ug/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 ug/l
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	2.6
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	22 J	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-50 07/16/02 ug/l	GW-AA-Q-1-80 7/16/02 ug/l	GW-AA-Q-2-120 7/31/02 ug/l	GW-AA-Q-2-130B 08/01/02 ug/l	GW-AA-Q-2-60 07/18/02 ug/l	GW-AA-Q-2-80FT 7/18/02 ug/l	GW-AA-Q-3-120 08/05/02 ug/l
2,4,5-T	0.5 UJ	0.19 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.67 J	0.5 R	0.58 U	1.5 U	0.5 U	9.5 U	1
2,4-DB	0.89 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	1.5 J	6 U	6 U	6 U	6 U	0.56 J	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	24 J	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-3-50 07/19/02 ug/l	GW-AA-Q-3-80 7/22/02 ug/l	GW-AA-Q-3-80-DUP 7/22/02 ug/l	GW-AA-Q-4-110 08/06/02 ug/l	GW-AA-Q-4-50 7/22/02 ug/l	GW-AA-Q-4-80 7/23/02 ug/l	GW-AA-Q-5-106 08/08/02 ug/l	GW-AA-Q-5-45 8/7/02 ug/l
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	2.6 U	1.8 J	2.6 J	0.5 U	0.5 U	1.2 J	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 R	0.5 R	0.5 UJ	0.5 U	0.5 R	0.5 U	0.5 U
Dalapon	120 U	120 R	120 R	120 U	120 U	120 R	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 R	6 R	6 U	6 U	6 R	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U	27 J
MCPP	120 U	11 J	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	4.2 U	0.18 J	1 U	0.49 J	1 U	0.41 J	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-5-85 8/8/02 ug/l	GW-AA-Q-6-104 7/29/02 ug/l	GW-AA-Q-6-110 7/29/02 ug/l	GW-AA-Q-6-24 07/25/02 ug/l	GW-AA-Q-6-24-DUP 7/25/02 ug/l	GW-AA-Q-6-64 7/26/02 ug/l	GW-AA-Q-7-104 07/30/02 ug/l
2,4,5-T	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ
2,4,5-TP (Silvex)	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ
2,4-D	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Dalapon	120 U	120 U	120 U	120 UJ	120 UJ	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	33 J	120 U	120 U	19 J	120 UJ	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-104-DUP 07/30/02 ug/l	GW-AA-Q-7-24 07/24/02 ug/l	GW-AA-Q-7-64 07/24/02 ug/l	GW-AA-Q-8-104 08/02/02 ug/l	GW-AA-Q-8-111 08/02/02 ug/l	GW-AA-Q-8-24 7/31/02 ug/l	GW-AA-Q-8-64 7/31/02 ug/l
2,4,5-T	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.48 J	0.5 U	0.5 U	0.5 U	2.2 U
2,4-DB	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 UJ	120 UJ	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 UJ	120 UJ	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-R-1-131 7/23/02 ug/l	GW-AA-R-1-28 7/19/02 ug/l	GW-AA-R-1-78 7/22/02 ug/l	GW-AA-S-1-104 7/12/02 ug/l	GW-AA-S-1-124 7/15/02 ug/l	GW-AA-S-1-24FT 06/26/02 ug/l	GW-AA-S-1-64 7/12/02 ug/l
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 R	1.7 J	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 R	0.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon	120 R	120 U	120 R	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	2.3 J	6 U	43 J	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	110 J	44 J	120 U	120 U	120 U	120 U
MCPP	49 J	120 U	110 J	120 U	120 U	120 UJ	120 U
Pentachlorophenol	1 U	1 U	0.9 J	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4a
Sauget Area 2 Sites - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-2-118 1/2 7/17/02 ug/l	GW-AA-S-2-28 07/15/02 ug/l	GW-AA-S-2-78 7/16/02 ug/l	GW-AA-S-3-104FT 07/01/02 ug/l	GW-AA-S-3-132FT 07/02/02 ug/l	GW-AA-S-3-24FT 7/15/02 ug/l	GW-AA-S-3-64FT 06/28/02 ug/l
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.099 J	0.5 U	0.5 U	0.5 U	0.12 J	0.5 U	0.5 U
2,4-D	0.5 R	0.5 U	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 UJ	120 U	120 U	120 UJ
Pentachlorophenol	1 U	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02	BDRK-Q-1 9/9/02	BDRK-Q-2 09/03/02	BDRK-Q-2-DUP 09/03/02	BDRK-R-1 9/5/02	BDRK-S-1 9/6/02	GW-UAA-1-100FT 06/18/02
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.92	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1 J	0.5 U	0.5 U
2,4-DB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Dalapon	120 UJ	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	52 J	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-110FT 06/18/02	GW-UAA-1-20FT 06/14/02	GW-UAA-1-60FT 06/17/02	GW-UAA-2-100FT 06/21/02	GW-UAA-2-124FT 06/24/02	GW-UAA-2-20FT 06/19/02	GW-UAA-2-60FT 06/20/02
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	0.5 U	0.056 J	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.18 J	0.5 UJ	0.5 UJ
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	1.2 U	0.16 J	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPP	120 U	120 U	120 U	120 U	87 J	120 U	120 U
Pentachlorophenol	1 U	1 U	0.05 J	1 U	1 U	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-104 06/13/02	GW-UAA-3-116 06/13/02	GW-UAA-3-24FT-R 06/11/02	GW-UAA-3-64 06/12/02	GW-AA-UAA-4-100 07/26/02	GW-AA-UAA-4-113 07/29/02	GW-AA-UAA-4-20 07/24/02
2,4,5-T	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
2,4,5-TP (Silvex)	0.07 J	0.086 J	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
2,4-D	0.63 J	0.5 U	0.5 U	0.23 J	0.5 U	0.5 U	0.5 U
2,4-DB	0.6 J	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Dalapon	120 U	120 U	120 U	120 U	120 U	120 U	120 UJ
Dicamba	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 U	120 U	120 U	120 U	120 U	120 U	120 UJ
MCPP	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-4b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8151 - Herbicide Data - All Other Samples

Sample ID Sample Date Units Compound	GW-AA-UAA-4-20-DUP 07/24/02	GW-AA-UAA-4-60 07/25/02	LEACH-O-1 09/11/02	LEACH-Q-1 09/11/02	LEACH-Q-1-DUP 09/11/02	LEACH-R-1 09/10/02	SEEP-Q-1 08/08/02	SEEP-Q-2 08/08/02	Seep-R-1 08/09/02
2,4,5-T	0.5 U	0.5 U	480	10000 U	10000 U	500 U	0.5 U	0.5 U	0.5 U
2,4,5-TP (Silvex)	0.5 U	0.5 U	50 U	10000 U	10000 U	500 U	0.5 U	0.5 U	0.5 U
2,4-D	0.5 U	0.5 U	930 J	93000	100000	3800	0.5 U	0.5 U	12 J
2,4-DB	0.5 U	0.5 U	50 U	10000 U	10000 U	500 U	0.5 U	0.5 U	0.5 U
Dalapon	120 UJ	120 UJ	12000 U	2400000 U	2400000 U	120000 U	120 U	120 U	120 U
Dicamba	1.2 U	1.2 U	120 U	24000 U	24000 U	1200 U	1.2 U	1.2 U	1.2 U
Dichlorprop	6 U	6 U	97 J	120000 U	120000 U	6000 U	6 U	6 U	160
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	120 UJ	120 UJ	12000 U	2400000 U	2400000 U	120000 U	120 U	120 U	120 U
MCPP	120 U	120 U	12000 U	2400000 U	2400000 U	120000 U	120 U	120 U	120 U
Pentachlorophenol	1 U	1 U	780 J	4400 J	4800 J	1000 U	1 U	1 U	0.42 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-1-120 07/10/02 ug/l	GW-AA-O-1-16 6/18/02 ug/l	GW-AA-O-1-56 6/18/02 ug/l	GW-AA-O-1-96 07/09/02 ug/l	GW-AA-O-2-124 07/08/02 ug/l	GW-AA-O-2-13 6/20/02 ug/l	GW-AA-O-2-53 6/21/02 ug/l	GW-AA-O-2-53-DUP 06/21/02 ug/l	GW-AA-O-2-93FT 6/24/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.09 J	0.5 U	0.5 U	0.5 U	0.08 J	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-3-108FT 6/26/02 ug/l	GW-AA-O-3-128 7/18/02 ug/l	GW-AA-O-3-28FT 6/24/02 ug/l	GW-AA-O-3-68FT 6/25/02 ug/l	GW-AA-P-1-104FT 07/10/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.05 J	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.05 J	0.08 J	0.04 J	0.05 J
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID	GW-AA-P-1-64FT	GW-AA-P-2-104	GW-AA-P-2-122	GW-AA-P-2-24	GW-AA-P-2-64	GW-AA-P-3-112	GW-AA-P-3-126	GW-AA-P-3-32	GW-AA-P-3-72	GW-AA-Q-1-120
Sample Date	07/09/02	08/06/02	8/7/02	08/05/02	08/05/02	08/09/02	08/12/02	8/7/02	08/08/02	07/30/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound										
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.04 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-127 1/2 7/30/02 ug/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 ug/l	GW-AA-Q-1-50 07/16/02 ug/l	GW-AA-Q-1-80 7/16/02 ug/l	GW-AA-Q-2-120 7/31/02 ug/l	GW-AA-Q-2-130B 08/01/02 ug/l	GW-AA-Q-2-60 07/18/02 ug/l	GW-AA-Q-2-80FT 7/18/02 ug/l	GW-AA-Q-3-120 08/05/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.038 J	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.054 J	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 J	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.031 J	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-3-50	GW-AA-Q-3-80	GW-AA-Q-3-80-DUP	GW-AA-Q-4-110	GW-AA-Q-4-50	GW-AA-Q-4-80	GW-AA-Q-5-106	GW-AA-Q-5-45	GW-AA-Q-5-85	GW-AA-Q-6-104
Sample Date	07/19/02	7/22/02	7/22/02	08/06/02	7/22/02	7/23/02	08/08/02	8/7/02	8/8/02	7/29/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound										
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID	GW-AA-Q-6-110	GW-AA-Q-6-24	GW-AA-Q-6-24-DUP	GW-AA-Q-6-64	GW-AA-Q-7-104	GW-AA-Q-7-104-DUP	GW-AA-Q-7-24	GW-AA-Q-7-64	GW-AA-Q-8-104
Sample Date	7/29/02	07/25/02	7/25/02	7/26/02	07/30/02	07/30/02	07/24/02	07/24/02	08/02/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound									
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.04 J	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-111 08/02/02 ug/l	GW-AA-Q-8-24 7/31/02 ug/l	GW-AA-Q-8-64 7/31/02 ug/l	GW-AA-R-1-131 7/23/02 ug/l	GW-AA-R-1-28 7/19/02 ug/l	GW-AA-R-1-78 7/22/02 ug/l	GW-AA-S-1-104 7/12/02 ug/l	GW-AA-S-1-124 7/15/02 ug/l	GW-AA-S-1-24FT 06/26/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 J	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - Onsite Alluvial Wells

Sample ID	GW-AA-S-1-64	GW-AA-S-2-118 1/2	GW-AA-S-2-28	GW-AA-S-2-78	GW-AA-S-3-104FT	GW-AA-S-3-132FT	GW-AA-S-3-24FT	GW-AA-S-3-64FT
Sample Date	7/12/02	7/17/02	07/15/02	7/16/02	07/01/02	07/02/02	7/15/02	06/28/02
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Compound								
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.04 J	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l	GW-UAA-1-100FT 06/18/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-110FT 06/18/02 ug/l	GW-UAA-1-20FT 06/14/02 ug/l	GW-UAA-1-60FT 06/17/02 ug/l	GW-UAA-2-100FT 06/21/02 ug/l	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-60FT 06/20/02 ug/l	GW-UAA-3-104 06/13/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-64 06/12/02 ug/l	GW-AA-UAA-4-100 07/26/02 ug/l	GW-AA-UAA-4-113 07/29/02 ug/l	GW-AA-UAA-4-20 07/24/02 ug/l	GW-AA-UAA-4-20-DUP 07/24/02 ug/l	GW-AA-UAA-4-60 07/25/02 ug/l
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.06 J	0.5 U	0.08 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.038 J	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-5b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 680 - Polychlorinated Biphenyl Data - All Other Samples

Sample ID Sample Date Units Compound	LEACH-O-1 09/10/02 ug/l	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
Decachlorobiphenyl	3.3 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	11	0.29	0.091 J	300	0.1 U	0.1 U	0.06 J
Heptachlorobiphenyl	2 U	0.3 U	0.3 U	88	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.7 J	0.08 J	0.2 U	250	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	14	0.36	0.18	37	0.1 U	0.1 U	0.12
Nonachlorobiphenyl	3.3 U	0.5 U	0.5 U	6.6 J	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	2 U	0.3 U	0.3 U	30 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	4.2	0.24	0.2 U	1100	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	14	0.37	0.2 U	1400	0.2 U	0.2 U	0.2 U
Trichlorobiphenyl	11	0.17	0.026 J	800	0.1 U	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-O-1-120 07/10/02 ug/l	GW-AA-O-1-16 6/18/02 ug/l	GW-AA-O-1-76 7/9/02 ug/l	GW-AA-P-1-120FT 07/10/02 ug/l	GW-AA-P-1-24FT 07/08/02 ug/l	GW-AA-P-1-24FT-DUP 07/08/02 ug/l	GW-AA-P-1-74FT 07/09/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.000002 U	0.0000044 U	0.0000021 U	0.000058	0.0000026 U	0.0000019 U	0.0011
1,2,3,4,6,7,8-HpCDF	0.0000013 U	0.0000029 U	0.0000019 U	0.0000066 U	0.0000022 U	0.0000018 U	0.0001
1,2,3,4,7,8,9-HpCDF	0.0000013 U	0.0000038 U	0.0000024 U	0.0000035 U	0.0000028 U	0.0000022 U	0.0000051 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00000087 U	0.000004 U	0.0000029 U	0.0000033 U	0.0000036 U	0.0000029 U	0.0000036 U
1,2,3,4,7,8-HxCDF	0.0000013 U	0.0000036 U	0.0000028 U	0.000003 U	0.0000034 U	0.0000027 U	0.000006 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00000097 U	0.000004 U	0.0000026 U	0.0000029 U	0.0000032 U	0.0000025 U	0.000019 U
1,2,3,6,7,8-HxCDF	0.00000096 U	0.0000034 U	0.0000024 U	0.0000026 U	0.000003 U	0.0000024 U	0.0000043 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.0000009 U	0.0000036 U	0.0000025 U	0.0000028 U	0.0000031 U	0.0000024 U	0.0000032 U
1,2,3,7,8,9-HxCDF	0.0000015 U	0.0000042 U	0.000003 U	0.0000033 U	0.0000037 U	0.000003 U	0.0000046 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00000065 U	0.0000055 U	0.0000033 U	0.0000037 U	0.0000047 U	0.0000033 U	0.000004 U
1,2,3,7,8-Pentachlorodibenzofuran	0.00000099 U	0.0000024 U	0.0000018 U	0.0000024 U	0.0000022 U	0.0000017 U	0.0000022 U
2,3,4,6,7,8-HxCDF	0.00000094 U	0.0000037 U	0.0000028 U	0.000003 U	0.0000034 U	0.0000027 U	0.0000042 U
2,3,4,7,8-PeCDF	0.00000074 U	0.0000024 U	0.0000017 U	0.0000023 U	0.0000021 U	0.0000016 U	0.0000044 U
2,3,7,8-TCDD	0.0000006 U	0.000003 U	0.000002 U	0.0000024 U	0.0000026 U	0.0000021 U	0.0000018 U
2,3,7,8-Tetrachlorodibenzofuran	0.00000038 U	0.0000019 U	0.0000016 U	0.0000069 U	0.0000018 U	0.0000016 U	0.0000056 J
OCDD	0.0000094 U	0.0000073 U	0.000012 U	0.0011	0.000024 U	0.000016 U	0.017
OCDF	0.0000037 U	0.0000073 U	0.000007 U	0.000037 U	0.000007 U	0.000009 U	0.00064
Total HpCDD	0.000002 U	0.0000044 U	0.0000021 U	0.00013	0.0000026 U	0.0000019 U	0.0023
Total HpCDF	0.0000013 U	0.0000038 U	0.0000024 U	0.000025 U	0.0000028 U	0.0000022 U	0.00055
Total HxCDD	0.000001 U	0.000004 U	0.0000029 U	0.0000033 U	0.0000036 U	0.0000029 U	0.000027
Total HxCDF	0.0000015 U	0.0000042 U	0.000003 U	0.0000036 U	0.0000037 U	0.000003 U	0.000058
Total PeCDD	0.0000011 U	0.0000055 U	0.0000033 U	0.0000037 U	0.0000047 U	0.0000033 U	0.000004 U
Total PeCDF	0.00000074 U	0.0000038 U	0.0000033 U	0.0000042 U	0.0000036 U	0.0000033 U	0.000017 U
Total TCDD	0.0000006 U	0.000003 U	0.000002 U	0.0000024 U	0.0000026 U	0.0000021 U	0.0000049 U
Total TCDF	0.00000038 U	0.0000019 U	0.0000016 U	0.0000069 U	0.0000018 U	0.0000016 U	0.00011

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-2-100 7/19/02 ug/l	GW-AA-Q-2-130B 08/01/02 ug/l	GW-AA-Q-2-60 07/18/02 ug/l	GW-AA-Q-7-104 07/30/02 ug/l	GW-AA-Q-7-104-DUP 07/30/02 ug/l	GW-AA-Q-7-24 07/24/02 ug/l	GW-AA-Q-7-84 7/24/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.000041 J	0.00000068 U	0.0000024 U	0.0000013 U	0.0000011 U	0.0000025 U	0.00000071 U
1,2,3,4,6,7,8-HpCDF	0.0000053 U	0.00000068 U	0.0000012 U	0.00000088 U	0.00000074 U	0.00000064 U	0.00000046 U
1,2,3,4,7,8,9-HpCDF	0.0000006 U	0.00000085 U	0.0000015 U	0.0000011 U	0.00000091 U	0.00000034 U	0.00000031 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00000046 U	0.0000014 U	0.0000023 U	0.0000015 U	0.0000013 U	0.0000005 U	0.00000046 U
1,2,3,4,7,8-HxCDF	0.0000012 U	0.00000082 U	0.0000019 U	0.0000012 U	0.000001 U	0.00000034 U	0.00000054 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.0000023 U	0.0000012 U	0.000002 U	0.0000013 U	0.0000012 U	0.00000056 U	0.00000047 U
1,2,3,6,7,8-HxCDF	0.00000088 U	0.00000072 U	0.0000017 U	0.000001 U	0.00000093 U	0.00000033 U	0.00000031 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.0000012 U	0.0000012 U	0.000002 U	0.0000013 U	0.0000011 U	0.00000065 U	0.00000041 U
1,2,3,7,8,9-HxCDF	0.00000038 U	0.0000009 U	0.0000021 U	0.0000013 U	0.0000012 U	0.0000004 U	0.00000031 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00000072 U	0.0000012 U	0.0000037 U	0.0000018 U	0.0000018 U	0.00000056 U	0.00000065 U
1,2,3,7,8-Pentachlorodibenzofuran	0.00000077 U	0.00000075 U	0.0000018 U	0.0000012 U	0.00000079 U	0.0000005 U	0.00000032 U
2,3,4,6,7,8-HxCDF	0.00000064 U	0.00000083 U	0.000002 U	0.0000012 U	0.0000011 U	0.0000004 U	0.0000003 U
2,3,4,7,8-PeCDF	0.0000012 U	0.00000072 U	0.0000018 U	0.0000011 U	0.00000076 U	0.00000033 U	0.00000032 U
2,3,7,8-TCDD	0.00000056 U	0.00000064 U	0.0000014 U	0.00000094 U	0.00000088 U	0.00000069 U	0.00000032 U
2,3,7,8-Tetrachlorodibenzofuran	0.0000037 U	0.0000012 U	0.0000026 U	0.0000017 U	0.0000017 U	0.0000017 U	0.00000066 U
OCDD	0.00052	0.0000045 U	0.0002	0.0000085 U	0.000004 U	0.000015 U	0.000006 U
OCDF	0.000027 U	0.0000012 U	0.0000028 U	0.0000015 U	0.0000014 U	0.0000015 U	0.00000083 U
Total HpCDD	0.000079	0.00000068 U	0.0000024 U	0.0000013 U	0.0000011 U	0.0000025 U	0.00000084 U
Total HpCDF	0.000017 U	0.00000085 U	0.0000015 U	0.0000011 U	0.00000091 U	0.0000008 U	0.00000046 U
Total HxCDD	0.0000023 U	0.0000014 U	0.0000023 U	0.0000015 U	0.0000013 U	0.0000021 U	0.0000013 U
Total HxCDF	0.0000061 U	0.0000009 U	0.0000021 U	0.0000013 U	0.0000012 U	0.00000067 U	0.00000054 U
Total PeCDD	0.0000024 U	0.0000061 U	0.0000037 U	0.0000018 U	0.0000018 U	0.00000056 U	0.00000076 U
Total PeCDF	0.0000046 U	0.0000013 U	0.0000031 U	0.0000016 U	0.0000017 U	0.00000092 U	0.00000032 U
Total TCDD	0.00005	0.00000066 U	0.0000014 U	0.00000094 U	0.00000088 U	0.0000037 U	0.0000012 U
Total TCDF	0.000015	0.0000012 U	0.0000026 U	0.0000017 U	0.0000017 U	0.0000017 U	0.00000066 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-R-1-131 7/23/02 ug/l	GW-AA-R-1-28 7/19/02 ug/l	GW-AA-R-1-58 7/22/02 ug/l	GW-AA-S-1-124 7/15/02 ug/l	GW-AA-S-1-24FT 06/26/02 ug/l	GW-AA-S-1-84FT 06/28/02 ug/l	GW-AA-S-1-84FT-DUP 06/28/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.0000016 U	0.0000033 U	0.0000018 U	0.0000012 U	0.0000028 U	0.0000025 U	0.0000015 U
1,2,3,4,6,7,8-HpCDF	0.0000012 U	0.00000087 U	0.0000018 U	0.00000058 U	0.0000028 U	0.0000019 U	0.0000016 U
1,2,3,4,7,8,9-HpCDF	0.0000006 U	0.00000026 U	0.0000011 U	0.00000056 U	0.0000037 U	0.0000024 U	0.0000021 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.00000043 U	0.00000049 U	0.00000067 U	0.00000044 U	0.0000044 U	0.0000029 U	0.0000024 U
1,2,3,4,7,8-HxCDF	0.0000009 U	0.00000043 U	0.000001 U	0.00000055 U	0.0000028 U	0.0000028 U	0.0000022 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00000048 U	0.0000005 U	0.00000069 U	0.00000045 U	0.0000043 U	0.0000026 U	0.0000021 U
1,2,3,6,7,8-HxCDF	0.00000044 U	0.0000004 U	0.00000052 U	0.0000003 U	0.0000027 U	0.0000025 U	0.000002 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.00000053 U	0.00000043 U	0.0000011 U	0.00000039 U	0.000004 U	0.0000025 U	0.0000021 U
1,2,3,7,8,9-HxCDF	0.00000073 U	0.00000045 U	0.0000009 U	0.00000055 U	0.0000033 U	0.0000032 U	0.0000025 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.00000071 U	0.00000059 U	0.00000088 U	0.0000006 U	0.0000042 U	0.0000033 U	0.0000026 U
1,2,3,7,8-Pentachlorodibenzofuran	0.00000046 U	0.00000051 U	0.00000081 U	0.00000045 U	0.000003 U	0.0000019 U	0.0000015 U
2,3,4,6,7,8-HxCDF	0.00000045 U	0.00000043 U	0.00000059 U	0.00000032 U	0.0000029 U	0.0000029 U	0.0000023 U
2,3,4,7,8-PeCDF	0.00000026 UJ	0.00000033 U	0.00000042 UJ	0.00000029 U	0.0000019 U	0.0000018 U	0.0000014 U
2,3,7,8-TCDD	0.00000051 U	0.00000098 U	0.00000043 U	0.00000052 U	0.0000028 U	0.0000019 U	0.0000014 U
2,3,7,8-Tetrachlorodibenzofuran	0.00000047 U	0.00000038 U	0.00000033 U	0.00000035 U	0.0000018 U	0.0000049 U	0.0000034 U
OCDD	0.000021 U	0.00019	0.0000087 U	0.0000066 U	0.000064 J	0.000012 U	0.000011 U
OCDF	0.0000037 U	0.0000043 U	0.0000052 U	0.0000014 U	0.0000045 U	0.0000074 U	0.0000065 U
Total HpCDD	0.0000016 U	0.0000033 U	0.0000018 U	0.0000012 U	0.0000043 U	0.0000025 U	0.0000015 U
Total HpCDF	0.0000012 U	0.0000022 U	0.0000018 U	0.00000058 U	0.0000037 U	0.0000024 U	0.0000021 U
Total HxCDD	0.0000007 U	0.00000068 U	0.0000019 U	0.00000081 U	0.0000044 U	0.0000029 U	0.0000024 U
Total HxCDF	0.0000009 U	0.00000045 U	0.000001 U	0.00000055 U	0.0000033 U	0.0000032 U	0.0000025 U
Total PeCDD	0.00000071 U	0.00000095 U	0.00000088 U	0.000001 U	0.0000045 U	0.0000033 U	0.0000026 U
Total PeCDF	0.00000046 U	0.00000051 U	0.00000081 U	0.00000045 U	0.000003 U	0.0000019 U	0.0000028 U
Total TCDD	0.0000026 U	0.0000042 U	0.0000021 U	0.00000052 U	0.0000028 U	0.0000019 U	0.0000014 U
Total TCDF	0.00000047 U	0.00000038 U	0.00000033 U	0.00000035 U	0.0000018 U	0.0000049 U	0.0000034 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 ug/l	BDRK-P-1 9/9/02 ug/l	BDRK-Q-1 9/9/02 ug/l	BDRK-Q-2 09/03/02 ug/l	BDRK-Q-2-DUP 09/03/02 ug/l	BDRK-R-1 9/5/02 ug/l	BDRK-S-1 9/6/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.000011 U	0.0000056 U	0.0000044 U	0.000001 U	0.0000023 U	0.0000089 U	0.0000042 U
1,2,3,4,6,7,8-HpCDF	0.0000058 U	0.0000036 U	0.0000038 U	0.0000011 U	0.0000022 U	0.000007 U	0.0000035 U
1,2,3,4,7,8,9-HpCDF	0.0000079 U	0.0000047 U	0.000005 U	0.00000088 U	0.00000066 U	0.0000096 U	0.0000046 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.0000082 UJ	0.0000049 UJ	0.0000044 UJ	0.0000017 U	0.0000012 U	0.0000093 UJ	0.0000042 UJ
1,2,3,4,7,8-HxCDF	0.0000049 U	0.000005 U	0.0000046 U	0.0000012 U	0.000001 U	0.0000045 U	0.0000038 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.0000082 U	0.0000052 UJ	0.0000046 UJ	0.0000014 U	0.0000011 U	0.0000093 U	0.0000044 UJ
1,2,3,6,7,8-HxCDF	0.0000046 U	0.000005 U	0.0000046 U	0.0000011 U	0.0000009 U	0.0000043 U	0.0000038 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.0000078 U	0.0000047 UJ	0.0000042 UJ	0.0000014 U	0.0000011 U	0.0000088 U	0.000004 UJ
1,2,3,7,8,9-HxCDF	0.0000071 U	0.0000062 U	0.0000056 U	0.0000014 UJ	0.0000011 UJ	0.0000065 U	0.0000046 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.000012 U	0.0000083 UJ	0.0000069 UJ	0.0000024 U	0.0000025 U	0.000012 U	0.000006 UJ
1,2,3,7,8-Pentachlorodibenzofuran	0.000006 U	0.0000049 U	0.0000051 U	0.0000013 U	0.0000011 U	0.0000055 U	0.0000037 U
2,3,4,6,7,8-HxCDF	0.0000055 U	0.0000054 U	0.0000049 U	0.0000012 U	0.000001 U	0.000005 U	0.000004 U
2,3,4,7,8-PeCDF	0.0000061 U	0.0000049 U	0.000005 U	0.0000012 U	0.000001 U	0.0000055 U	0.0000037 U
2,3,7,8-TCDD	0.0000052 U	0.000005 U	0.0000041 U	0.0000012 UJ	0.0000011 UJ	0.0000017 U	0.0000044 U
2,3,7,8-Tetrachlorodibenzofuran	0.0000032 U	0.000003 UJ	0.0000028 UJ	0.0000037 U	0.0000032 U	0.0000033 U	0.0000025 UJ
OCDD	0.000011 U	0.000034 U	0.000018 U	0.0000059 U	0.000016 U	0.000014 U	0.0000098 U
OCDF	0.000015 U	0.0000055 U	0.0000058 U	0.0000026 U	0.000002 U	0.000015 U	0.0000076 U
Total HpCDD	0.000011 U	0.0000056 U	0.0000044 U	0.000001 U	0.0000023 U	0.0000089 U	0.0000042 U
Total HpCDF	0.0000079 U	0.0000047 U	0.000005 U	0.0000011 U	0.0000044 U	0.0000096 U	0.0000046 U
Total HxCDD	0.0000082 U	0.0000052 UJ	0.0000046 UJ	0.0000017 U	0.0000015 U	0.0000093 U	0.0000044 UJ
Total HxCDF	0.0000071 U	0.0000062 U	0.0000056 U	0.000002 U	0.000016 U	0.0000065 U	0.0000046 U
Total PeCDD	0.000012 U	0.0000083 UJ	0.0000069 UJ	0.0000024 U	0.0000025 U	0.000012 U	0.000006 UJ
Total PeCDF	0.000006 U	0.0000049 U	0.0000051 U	0.0000029 U	0.0000054 U	0.0000066 U	0.0000037 U
Total TCDD	0.0000052 U	0.000005 U	0.0000041 U	0.0000012 UJ	0.0000019 UJ	0.0000017 U	0.0000044 U
Total TCDF	0.0000032 U	0.000003 UJ	0.0000028 UJ	0.0000037 U	0.0000032 U	0.0000033 U	0.0000025 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-2-124FT 06/24/02 ug/l	GW-UAA-2-20FT 06/19/02 ug/l	GW-UAA-2-70FT 06/20/02 ug/l	GW-UAA-3-116 06/13/02 ug/l	GW-UAA-3-24FT-R 06/11/02 ug/l	GW-UAA-3-84 06/12/02 ug/l	LEACH-O-1 09/18/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.0000022 U	0.0000025 U	0.0000024 U	0.000004 U	0.0000053 U	0.0000026 U	0.031 J
1,2,3,4,6,7,8-HpCDF	0.0000017 U	0.0000015 U	0.0000018 U	0.0000028 U	0.0000036 U	0.0000017 U	0.0046
1,2,3,4,7,8,9-HpCDF	0.0000022 U	0.000002 U	0.0000023 U	0.0000037 U	0.0000047 U	0.0000023 U	0.0002
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.0000024 U	0.0000028 U	0.0000028 U	0.0000048 U	0.0000065 U	0.0000035 U	0.000018 UJ
1,2,3,4,7,8-HxCDF	0.0000022 U	0.000002 U	0.000002 U	0.0000038 U	0.000005 U	0.0000023 U	0.00024
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.0000024 U	0.0000028 U	0.0000028 U	0.0000048 U	0.0000064 U	0.0000035 U	0.00057
1,2,3,6,7,8-HxCDF	0.0000021 U	0.0000019 U	0.0000018 U	0.0000036 U	0.0000047 U	0.0000022 U	0.000065 J
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.0000022 U	0.0000026 U	0.0000026 U	0.0000044 U	0.0000059 U	0.0000032 U	0.000028 J
1,2,3,7,8,9-HxCDF	0.0000026 U	0.0000023 U	0.0000023 U	0.0000045 U	0.0000058 U	0.0000027 U	0.000015 UJ
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.0000038 U	0.0000045 U	0.0000043 U	0.0000058 U	0.0000074 U	0.0000046 U	0.000018 U
1,2,3,7,8-Pentachlorodibenzofuran	0.0000023 U	0.0000024 U	0.0000026 U	0.0000024 U	0.0000036 U	0.0000021 U	0.000085
2,3,4,6,7,8-HxCDF	0.0000023 U	0.0000021 U	0.000002 U	0.000004 U	0.0000052 U	0.0000024 U	0.000061
2,3,4,7,8-PeCDF	0.0000023 U	0.0000024 U	0.0000025 U	0.0000023 U	0.0000036 U	0.0000021 U	0.00026
2,3,7,8-TCDD	0.0000036 U	0.0000039 U	0.0000037 U	0.0000032 U	0.0000048 U	0.0000033 U	0.000032
2,3,7,8-Tetrachlorodibenzofuran	0.0000019 U	0.0000025 U	0.0000022 U	0.000002 U	0.0000025 U	0.0000014 U	0.00023
OCDD	0.0000026 U	0.0000033 U	0.0000028 U	0.0000044 U	0.000011 U	0.0000052 U	0.4 J
OCDF	0.0000034 U	0.000004 U	0.0000034 U	0.0000066 U	0.0000072 U	0.0000037 U	0.034 J
Total HpCDD	0.0000022 U	0.0000025 U	0.0000024 U	0.000004 U	0.0000053 U	0.0000026 U	0.062 J
Total HpCDF	0.0000022 U	0.000002 U	0.0000023 U	0.0000037 U	0.0000047 U	0.0000023 U	0.024
Total HxCDD	0.0000024 U	0.0000028 U	0.0000028 U	0.0000048 U	0.0000059 U	0.0000035 U	0.0019 J
Total HxCDF	0.0000026 U	0.0000023 U	0.0000023 U	0.0000045 U	0.0000058 U	0.0000027 U	0.0033
Total PeCDD	0.0000038 U	0.0000045 U	0.0000043 U	0.0000058 U	0.0000074 U	0.0000046 U	0.000061
Total PeCDF	0.0000025 U	0.0000039 U	0.0000034 U	0.0000033 U	0.0000052 U	0.000003 U	0.0022
Total TCDD	0.0000036 U	0.0000039 U	0.0000037 U	0.0000032 U	0.0000048 U	0.0000033 U	0.00033
Total TCDF	0.0000019 U	0.0000025 U	0.0000022 U	0.000002 U	0.0000025 U	0.0000014 U	0.0034

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-6b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 8290 - PCDD/PCDF Data - All Other Samples

Sample ID Sample Date Units Compound	LEACH-Q-1 09/11/02 ug/l	LEACH-Q-1-DUP 09/11/02 ug/l	LEACH-R-1 09/10/02 ug/l	SEEP-Q-1 08/08/02 ug/l	SEEP-Q-2 08/08/02 ug/l	Seep-R-1 08/09/02 ug/l
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.00018	0.000075	0.012	0.0099 J	0.00073 U	0.00046 U
1,2,3,4,6,7,8-HpCDF	0.000048 J	0.000016 U	0.014	0.00028 U	0.00041 U	0.00023 U
1,2,3,4,7,8,9-HpCDF	0.0000086 U	0.000005 U	0.0028	0.00027 U	0.00046 U	0.00017 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.0000064 UJ	0.000004 UJ	0.00027 J	0.00031 U	0.0004 U	0.00012 U
1,2,3,4,7,8-HxCDF	0.0000077 U	0.0000057 U	0.0019	0.00016 U	0.00022 U	0.000053 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.00001 UJ	0.0000053 UJ	0.0033 J	0.00036 U	0.00047 U	0.00013 U
1,2,3,6,7,8-HxCDF	0.0000075 U	0.0000057 U	0.00088	0.0001 U	0.00023 U	0.000052 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.0000061 UJ	0.0000038 UJ	0.00093 J	0.00087 U	0.001 U	0.0018 U
1,2,3,7,8,9-HxCDF	0.0000092 U	0.000007 U	0.00021	0.00011 U	0.0003 U	0.00009 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.0000089 UJ	0.0000057 UJ	0.00087 J	0.00038 U	0.00092 U	0.00021 U
1,2,3,7,8-Pentachlorodibenzofuran	0.0000067 U	0.0000054 U	0.00055	0.00023 U	0.00046 U	0.00013 U
2,3,4,6,7,8-HxCDF	0.0000081 U	0.0000061 U	0.0022	0.00018 U	0.00031 U	0.00006 U
2,3,4,7,8-PeCDF	0.0000067 U	0.0000054 U	0.0017	0.00024 U	0.00039 U	0.00013 U
2,3,7,8-TCDD	0.000005 U	0.0000046 U	0.00008 J	0.0002 U	0.00051 U	0.00011 U
2,3,7,8-Tetrachlorodibenzofuran	0.0000035 UJ	0.0000034 UJ	0.00046 J	0.00015 U	0.00041 U	0.00013 U
OCDD	0.0062	0.0023	0.082	0.059 J	0.0055 U	0.0064 U
OCDF	0.00024	0.000093 J	0.013	0.00063 U	0.00077 U	0.00018 U
Total HpCDD	0.00037	0.00015	0.02	0.0099 J	0.00073 U	0.00046 U
Total HpCDF	0.00021	0.000058	0.057	0.00075 U	0.0011 U	0.00023 U
Total HxCDD	0.000025 UJ	0.000015 UJ	0.016 J	0.00087 U	0.001 U	0.0018 U
Total HxCDF	0.00013	0.000047	0.19	0.00019 U	0.00034 U	0.00009 U
Total PeCDD	0.000023 UJ	0.000012 UJ	0.014 J	0.0021 U	0.0019 U	0.0019 U
Total PeCDF	0.00009	0.000017 U	0.043	0.00026 U	0.00069 U	0.00019 U
Total TCDD	0.00021	0.000097	0.019	0.0002 U	0.00051 U	0.0025 U
Total TCDF	0.00014 J	0.000072 J	0.016 J	0.00015 U	0.00054 U	0.00013 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID	GW-AA-O-1-120	GW-AA-O-1-16	GW-AA-O-1-56	GW-AA-O-1-96	GW-AA-O-2-124	GW-AA-O-2-13	GW-AA-O-2-53	GW-AA-O-2-53-DUP	GW-AA-O-2-93FT
Sample Date	07/10/02	6/18/02	6/18/02	07/09/02	07/08/02	6/20/02	6/21/02	06/21/02	6/24/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound									
Aluminum	0.2 U	5	1.4	23	47	1.9	0.28	0.21	0.37
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.0055	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 UJ	0.07	0.057	0.014 J	0.087	0.01 U	0.031	0.029	0.01 U
Barium	0.12	0.3	0.31	0.72	1.8	0.13	0.31	0.31	0.21
Beryllium	0.004 U	0.004 U	0.004 U	0.00095	0.0025	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.00092	0.0028	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	310	300	290	240	340	190	280	280	240
Chromium	0.0061	0.0089	0.01	0.34	0.53	0.0089	0.0038	0.0036	0.004
Cobalt	0.01 U	0.021	0.0078	0.015	0.052	0.0013	0.01 U	0.01 U	0.01 U
Copper	0.02 U	0.0043	0.02 U	0.071	0.13	0.02 U	0.02 U	0.02 U	0.02 U
Iron	48	41	53	78	200	2.9	41	41	26
Iron, Ferrous (2+)	NR	11	14	NR	NR	0.014	6	5.9	NR
Lead	0.005 U	0.019	0.005 U	0.02	0.063	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium	79	57	50	73	82	29	49	49	60
Manganese	2.2	4.1	5.4	1.6	6.7	0.065	5.1	5.1	1.6
Mercury	0.0002 U	0.0002 U	0.0002 U	0.00008	0.000098	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.0073	0.048	0.014	0.07	0.19	0.012	0.0059	0.04 U	0.0065
Potassium	18	6	9	28 J	30 J	7	16	16	45
Selenium	0.01 U	0.01 UJ	0.0046 J	0.01 U	0.01 U	0.022	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	63	130	76	77	83	290	74	75	76
Thallium	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.016	0.0041	0.04	0.14	0.0063	0.01 U	0.01 U	0.0019
Zinc	0.019	0.065	0.025	0.11	0.35	0.011	0.0081	0.0083	0.018
Other Parameters									
Alkalinity, Total (as CACO3)	470	560	500	730	630	740	620	580	620
Carbon Dioxide	45	180	130	3.8	120	130 J	33 J	140 J	190
Nitrate-N	0.05 UJ	0.013	0.045	0.05 UJ	0.05 UJ	0.053	0.05 U	0.05 U	0.05 U
Sulfate as SO4	510	330	330	140	390	200	320	320	200

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID	GW-AA-O-3-108FT	GW-AA-O-3-128	GW-AA-O-3-28FT	GW-AA-O-3-68FT	GW-AA-P-1-104FT	GW-AA-P-1-120FT	GW-AA-P-1-24FT	GW-AA-P-1-24FT-DUP
Sample Date	6/26/02	7/18/02	6/24/02	6/25/02	07/10/02	07/10/02	07/08/02	07/08/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound								
Aluminum	0.078 J	3 J	0.18	0.2 U	0.36	0.2 U	0.2 U	0.2 U
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 UJ	0.01 UJ	0.01 U	0.0032	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Barium	0.15	0.25	0.19	0.56	0.59	0.45	0.12	0.12
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	250	270	240	290	200	220	230	230
Chromium	0.0039	0.033	0.01 U	0.01 U	0.011	0.0071	0.01 U	0.01 U
Cobalt	0.01 UJ	0.0031	0.00094	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Copper	0.02 U	0.02 U	0.02 U	0.02 U	0.012	0.02 U	0.02 U	0.0012
Iron	29	64	2	39	26	35	2.1	2.1
Iron, Ferrous (2+)	NR	NR	0.84	NR	NR	NR	NR	NR
Lead	0.0039	0.0051	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium	60	76	38	53	49	55	31	32
Manganese	1.7	1.6	0.053	3.3	0.7	1	0.033	0.027
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.000074	0.0002 U	0.0002 U	0.0002 U
Nickel	0.0067	0.026	0.015	0.04 U	0.018	0.027	0.0078	0.0099
Potassium	47	41	5.6 J	8.7	24	18	4.6 J	4.8 J
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	65	69	58	76	230	210	17	18
Thallium	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Vanadium	0.0014	0.0073	0.0019	0.01 U	0.0021	0.0014	0.01 U	0.0017
Zinc	0.021	0.051 J	0.0089	0.018	0.08	0.069	0.0032	0.02 U
Other Parameters								
Alkalinity, Total (as CACO3)	680	660	470	620	570	700	540	610
Carbon Dioxide	170	25	140	130	54	92	73	100
Nitrate-N	0.017	0.01	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ
Sulfate as SO4	230	260	150	330	48	100	180	170

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-1-64FT 07/09/02 mg/l	GW-AA-P-2-104 08/06/02 mg/l	GW-AA-P-2-104 Filtered 08/06/02 mg/l	GW-AA-P-2-122 8/7/02 mg/l	GW-AA-P-2-122-Filtered 8/7/02 mg/l	GW-AA-P-2-24 08/05/02 mg/l	GW-AA-P-2-24 Filtered 8/5/02 mg/l	GW-AA-P-2-64 08/05/02 mg/l
Aluminum	0.28	1	0.017 U	2.2	0.2 U	0.13	0.2 U	0.3
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0094
Barium	0.31	1.4	1.4	0.81	0.76	0.062	0.059	0.22
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	240	200	200	170	160	79	80	110
Chromium	0.01 U	0.02	0.01 U	0.035	0.01 U	0.01 U	0.01 U	0.0046
Cobalt	0.01 U	0.0029	0.01 U	0.0024	0.0012	0.001	0.01 U	0.01 U
Copper	0.02 U	0.0063	0.00094	0.0076	0.0014	0.0019	0.02 U	0.0021
Iron	40	29	26	23	19	1.3	0.91	13
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium	56	49	49	39	37	14	14	26
Manganese	1.3	0.53	0.44	0.59	0.54	0.032	0.026	0.48
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.0095	0.01	0.0043	0.012	0.008	0.04 U	0.04 U	0.04 U
Potassium	9.1 J	17	17	12	11	3	3	5.9
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	96	250	250	120	130	9.7	9.9	20
Thallium	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Vanadium	0.0018	0.0043	0.0014	0.0041	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	0.013	0.016 J	0.02 U	0.018	0.0078	0.0036	0.02 U	0.0046
Other Parameters								
Alkalinity, Total (as CACO3)	610	760	NR	550	NR	250	NR	350
Carbon Dioxide	3.5	61	NR	42	NR	12	NR	28
Nitrate-N	0.18 J	0.03	NR	0.5	NR	0.39	NR	0.29
Sulfate as SO4	180	5 U	NR	37	NR	26	NR	59

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-2-64 Filtered 8/6/02 mg/l	GW-AA-P-3-112 08/09/02 mg/l	GW-AA-P-3-112 Filtered 8/9/02 mg/l	GW-AA-P-3-126 08/12/02 mg/l	GW-AA-P-3-126-Filtered 8/12/02 mg/l	GW-AA-P-3-32 8/7/02 mg/l	GW-AA-P-3-32-Filtered 8/7/02 mg/l	GW-AA-P-3-72 08/08/02 mg/l
Aluminum	0.2 U	11	0.2 U	3	0.2 U	79	0.2 U	2.4
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0086	0.02 U	0.02 U
Arsenic	0.0081	0.0047	0.01 U	0.0043 J	0.0031 J	0.077	0.023	0.0037
Barium	0.22	0.88	0.61	0.15	0.08	1.9	0.14	0.18
Beryllium	0.004 U	0.00046	0.004 U	0.00024	0.004 U	0.0048	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0015	0.00075	0.005 U
Calcium	120	220	210	310	320	570	340	130
Chromium	0.01 U	0.12	0.004	0.12	0.01 U	0.57	0.01 U	0.023
Cobalt	0.01 U	0.0063	0.01 U	0.0045	0.01 U	0.081	0.01 U	0.003
Copper	0.02 U	0.04	0.02 U	0.053 U	0.02 U	0.095	0.0038	0.0085
Iron	14	57	36	75	55	210	46	36
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.0073	0.005 U	0.0042	0.005 U	0.09	0.005 U	0.0049
Magnesium	27	59	56	80	82	150	77	32
Manganese	0.53	0.63	0.4	1.2	1	8.6	2.4	1.1
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00016	0.0002 U	0.0002 U
Nickel	0.04 U	0.033	0.0043	0.028	0.008	0.34	0.04 U	0.014
Potassium	6	18	14	12 J	11 J	26	9.3	5.1
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.00071	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	21	240 J	240 J	140	140	15	14	12
Thallium	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U
Vanadium	0.01 U	0.02	0.002	0.008	0.0018	0.24	0.0012	0.0079
Zinc	0.02 U	0.097	0.014	0.15	0.03	0.42	0.0038	0.036
Other Parameters								
Alkalinity, Total (as CACO3)	NR	620	NR	520	NR	760	NR	310
Carbon Dioxide	NR	150	NR	220	NR	110	NR	15
Nitrate-N	NR	0.05 U	NR	0.05 U	NR	0.05 U	NR	0.012
Sulfate as SO4	NR	57	NR	370	NR	410	NR	140 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-P-3-72 Filtered 8/8/02 mg/l	GW-AA-Q-1-120 07/30/02 mg/l	GW-AA-Q-1-120-Filtered 7/30/02 mg/l	GW-AA-Q-1-127 7/30/02 mg/l	GW-AA-Q-1-127 1/2 7/30/02 mg/l	GW-AA-Q-1-127 1/2-DUP 07/30/02 mg/l	GW-AA-Q-1-50 07/16/02 mg/l
Aluminum	0.2 U	30 J	0.2 U	0.2 U	21 J	23	37 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0057
Arsenic	0.01 U	0.037	0.01 U	0.0087	0.031	0.041	0.13
Barium	0.12	1.1	0.53	0.26	0.62	0.66	0.67
Beryllium	0.004 U	0.0019	0.004 U	0.004 U	0.0022	0.0024	0.0063
Cadmium	0.005 U	0.00094	0.005 U	0.005 U	0.0012	0.0014	0.0076
Calcium	130	300	260	260	310	310	280
Chromium	0.01 U	0.53	0.01 U	0.01 U	0.17	0.18	0.16
Cobalt	0.01 U	0.032	0.01 U	0.01 U	0.021	0.025	0.025
Copper	0.02 U	0.14	0.0013	0.0012	0.069	0.078	0.083
Iron	28	110	15	13	81	91	110
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.042	0.005 U	0.005 U	0.045	0.053	0.16
Magnesium	29	81	72	70	78	78	49
Manganese	0.99	2.2	0.77	0.71	3.4	3.9	4.8
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00015
Nickel	0.04 U	0.13	0.0068	0.0073	0.071	0.079	0.11
Potassium	4.3	24 J	16 J	26 J	32 J	32	21 J
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0056	0.0074
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	12 J	61 J	63 J	64 J	66 J	66	66 J
Thallium	0.01 U	0.01 U	0.01 U	0.0037	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.079	0.0022	0.0028	0.067	0.075	0.17
Zinc	0.0046	0.44	0.023	0.023	0.34	0.38	1
Other Parameters							
Alkalinity, Total (as CACO3)	NR	720	NR	NR	760	740	760
Carbon Dioxide	NR	15	NR	NR	24	20	11
Nitrate-N	NR	0.041	NR	NR	0.05 U	0.013	0.05 UJ
Sulfate as SO4	NR	160	NR	NR	190	190	81

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-1-50-Filtered 7/29/02 mg/l	GW-AA-Q-1-80 7/16/02 mg/l	GW-AA-Q-2-120 7/31/02 mg/l	GW-AA-Q-2-120-Filtered 7/31/02 mg/l	GW-AA-Q-2-130B 08/01/02 mg/l	GW-AA-Q-2-130B-Filtered 8/1/02 mg/l	GW-AA-Q-2-60 07/18/02 mg/l
Aluminum	0.2 U	5.8	40	0.2 U	0.76	0.2 U	37
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0074	0.01 J	0.034	0.01 U	0.01 U	0.01 U	0.048
Barium	0.35	0.63	1.1	0.52	0.41	0.37	1.3
Beryllium	0.004 U	0.00029	0.0023	0.004 U	0.004 U	0.004 U	0.003
Cadmium	0.005 U	0.005 U	0.00077	0.005 U	0.005 U	0.005 U	0.001
Calcium	250	240	360	170	200	170	450
Chromium	0.01 U	0.048	0.3	0.01 U	0.0063	0.01 U	0.13
Cobalt	0.01 U	0.0051	0.087	0.01 U	0.0014	0.01 U	0.046
Copper	0.02 U	0.035	0.23	0.02 U	0.0062	0.001	0.055
Iron	38	49	130	18	15	11	120
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.011	0.16	0.005 U	0.005 U	0.005 U	0.032
Magnesium	43	50	110	49	55	48	120
Manganese	4.4	3	6.2	0.55	0.41	0.32	7.4
Mercury	0.0002 U	0.00021	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00028
Nickel	0.04 U	0.057	0.19	0.0048	0.005	0.04 U	0.12
Potassium	14 J	13	17	9.2	8.6	7.9	20
Selenium	0.01 U	0.01 U	0.0077	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	71 J	49	34	29	35	31	82
Thallium	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.016	0.14	0.01 U	0.0051	0.002	0.12
Zinc	0.0078	0.16	0.32	0.011	0.012	0.0034	0.23
Other Parameters							
Alkalinity, Total (as CACO3)	NR	620	590	NR	490	NR	660
Carbon Dioxide	NR	18	69	NR	44	NR	100
Nitrate-N	NR	0.011	0.05 U	NR	0.021	NR	0.016
Sulfate as SO4	NR	130	160	NR	180	NR	220

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-2-60-Filtered 7/31/02 mg/l	GW-AA-Q-2-80FT 7/18/02 mg/l	GW-AA-Q-3-120 08/05/02 mg/l	GW-AA-Q-3-120 Filtered 8/5/02 mg/l	GW-AA-Q-3-50 07/19/02 mg/l	GW-AA-Q-3-50-Filter 8/2/02 mg/l	GW-AA-Q-3-80 7/22/02 mg/l	GW-AA-Q-3-80-DUP 7/22/02 mg/l
Aluminum	0.2 U	0.86 J	8.3	0.2 U	13	0.2 U	4.7	4.5
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0098	0.01 UJ	0.0073	0.01 U	0.054	0.023	0.01 U	0.01 U
Barium	0.5	0.31	0.41	0.26	0.69	0.4	0.48	0.47
Beryllium	0.004 U	0.004 U	0.00041	0.004 U	0.0014	0.004 U	0.00027	0.00023
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	270	210	180	150	240	210	160	160
Chromium	0.01 U	0.059	0.22	0.01 U	0.098	0.01 U	0.03	0.03
Cobalt	0.01 U	0.0011	0.007	0.01 U	0.021	0.0009	0.01 U	0.01 U
Copper	0.02 U	0.02 U	0.1	0.0011	0.021	0.0011	0.011	0.011
Iron	24	43	64	18	83	48	31	31
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.0026	0.0093	0.005 U	0.028	0.005 U	0.0028	0.005 U
Magnesium	59	51	46	44	56	47	45	45
Manganese	3.3	3.3	0.94	0.41	3.8	3.2	1.1	1.1
Mercury	0.0002 U	0.00048	0.0002 U	0.0002 U	0.000085	0.0002 U	0.00053 J	0.0002 UJ
Nickel	0.04 U	0.037	0.048	0.005	0.087	0.04 U	0.018	0.018
Potassium	12	11	11	8.4	15	12	9.8 J	9.8 J
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	80	51	22	21	130	120	21	21
Thallium	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.0026	0.021	0.01 U	0.046	0.01 U	0.012	0.01
Zinc	0.0057	0.061 J	0.35	0.028	0.15	0.0093	0.063	0.063
Other Parameters								
Alkalinity, Total (as CACO3)	NR	570	540	NR	930	NR	560	590
Carbon Dioxide	NR	79	44	NR	110	NR	65	41
Nitrate-N	NR	0.05 U	0.05 U	NR	0.017	NR	0.05 UJ	0.05 UJ
Sulfate as SO4	NR	190	54	NR	91	NR	40	41

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-4-110 08/06/02 mg/l	GW-AA-Q-4-110 Filtered 8/6/02 mg/l	GW-AA-Q-4-50 7/22/02 mg/l	GW-AA-Q-4-50 Filtered 8/5/02 mg/l	GW-AA-Q-4-80 7/23/02 mg/l	GW-AA-Q-5-106 08/08/02 mg/l	GW-AA-Q-5-106-Filtered 8/8/02 mg/l	GW-AA-Q-5-45 8/7/02 mg/l
Aluminum	93	0.2 U	8.5	0.2 U	5.3	1.1	0.2 U	7.1
Antimony	0.0061 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.047	0.01 U	0.05	0.042	0.015	0.0033	0.01 U	0.076
Barium	1.3	0.56	1.1	0.86	0.82	0.6	0.57	0.9
Beryllium	0.0048	0.004 U	0.00053	0.004 U	0.00036	0.00022	0.004 U	0.00038
Cadmium	0.0013 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0016
Calcium	260	130	170	170	170	130	130	180
Chromium	0.28	0.01 U	0.13	0.01 U	0.055	0.023	0.01 U	0.058
Cobalt	0.087	0.01 U	0.011	0.0035	0.0062	0.0014	0.01 U	0.0099
Copper	0.15	0.00088	0.015	0.02 U	0.018	0.0084	0.02 U	0.024
Iron	190	21	81	48	39	31	21	73
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.11	0.005 U	0.012	0.005 U	0.0099	0.0031	0.005 U	0.037
Magnesium	85	41	48	46	41	38	38	44
Manganese	24	0.79	1.6	1.4	1.4	2.2	1.6	1.4
Mercury	0.000084	0.0002 U	0.0002 U	0.0002 U	0.00018 J	0.0002 U	0.0002 U	0.00019
Nickel	0.2	0.04 U	0.069	0.0098	0.039	0.011	0.04 U	0.049
Potassium	26	11	21	19	9.4 J	9.5	9.5	26
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U
Sodium	20	19	130	130	39	17	17	80
Thallium	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ
Vanadium	0.3	0.0015	0.025	0.01 U	0.016	0.0066	0.01 U	0.018
Zinc	0.37 J	0.01 J	0.088	0.024	0.12	0.0083	0.02 U	1
Other Parameters								
Alkalinity, Total (as CACO3)	670	NR	900	NR	610	490	NR	890
Carbon Dioxide	57	NR	61	NR	20	120	NR	100
Nitrate-N	0.05 U	NR	0.05 U	NR	0.026 J	0.017	NR	0.016
Sulfate as SO4	61	NR	5 U	NR	5 U	28	NR	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID	GW-AA-Q-5-45-Filtered	GW-AA-Q-5-85	GW-AA-Q-5-85-Filtered	GW-AA-Q-6-104	GW-AA-Q-6-104-Filtered	GW-AA-Q-6-110	GW-AA-Q-6-110-Filtered	GW-AA-Q-6-24
Sample Date	8/7/02	8/8/02	8/8/02	7/29/02	7/29/02	7/29/02	7/29/02	07/25/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound								
Aluminum	0.2 U	19	0.2 U	3.7 J	0.18 J	13 J	0.82 J	0.6 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.076	0.018	0.0067	0.003	0.01 U	0.0066	0.01 U	0.081
Barium	0.78	1.2	0.68	0.29	0.24	0.57	0.39	0.3
Beryllium	0.004 U	0.0013	0.004 U	0.00048	0.00034	0.0015	0.0012	0.004 U
Cadmium	0.005 U	0.00062	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	170	210	140	160	150	310	320	130
Chromium	0.01 U	0.11	0.01 U	0.028	0.01 U	0.11	0.006	0.01 U
Cobalt	0.0029	0.023	0.0013	0.0019	0.01 U	0.005	0.01 U	0.0016
Copper	0.0012	0.02	0.02 U	0.0086	0.02 U	0.028	0.02 U	0.02 U
Iron	57	97	37	30	23	78	65	41
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.03	0.005 U	0.0047	0.005 U	0.0095	0.005 U	0.0065
Magnesium	42	59	37	43	42	86	87	31
Manganese	1.4	2.6	0.94	2.2	2.1	4.9	4.9	5.1
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.015	0.099	0.012	0.0078	0.04 U	0.024	0.04 U	0.0041
Potassium	24	19	14	12 J	11 J	25 J	23 J	8.4
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	88	36	30	24 J	24 J	52 J	53 J	23
Thallium	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Vanadium	0.0017	0.061	0.01 U	0.008	0.01 U	0.023	0.01 U	0.01 U
Zinc	0.015	0.2	0.034	0.021	0.0055	0.051	0.013	0.02 U
Other Parameters								
Alkalinity, Total (as CACO3)	NR	700	NR	440	NR	450	NR	480
Carbon Dioxide	NR	270	NR	9.7	NR	9.3	NR	77 J
Nitrate-N	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR	0.05 U
Sulfate as SO4	NR	5 U	NR	120	NR	680	NR	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-6-24-DUP 7/25/02 mg/l	GW-AA-Q-6-24-DUP-Filter 7/25/02 mg/l	GW-AA-Q-6-24-Filter 7/25/02 mg/l	GW-AA-Q-6-64 7/26/02 mg/l	GW-AA-Q-6-64-Filtered 7/26/02 mg/l	GW-AA-Q-7-104 07/30/02 mg/l	GW-AA-Q-7-104-DUP 07/30/02 mg/l
Aluminum	0.24 J	0.2 U	0.2 U	5 J	0.2 U	0.18 J	0.35 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.077	0.078	0.074	0.0061	0.01 U	0.012	0.0073
Barium	0.27	0.27	0.23	1	0.93	0.64	0.62
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	130	130	130	200	200	150	140
Chromium	0.01 U	0.01 U	0.01 U	0.033	0.01 U	0.0081	0.0075
Cobalt	0.01 U	0.01 U	0.01 U	0.0029	0.01 U	0.01 U	0.01 U
Copper	0.02 U	0.02 U	0.02 U	0.011	0.02 U	0.0037	0.0024
Iron	39	38	37	28	20	25	25
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR
Lead	0.0037	0.0027	0.005 U	0.0084	0.005 U	0.005 U	0.005 U
Magnesium	29	29	29	45	43	34	33
Manganese	4.9	4.9	4.8	2.8	2.7	1.3	1.2
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.04 U	0.04 U	0.04 U	0.014	0.04 U	0.0048	0.0059
Potassium	7.9	8 J	8 J	17 J	16 J	10 J	10 J
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	22	22	22	18 J	17 J	15 J	15 J
Thallium	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.01 U	0.01 U	0.011	0.01 U	0.0012	0.0019
Zinc	0.02 U	0.02 U	0.02 U	0.024	0.0037	0.015	0.015
Other Parameters							
Alkalinity, Total (as CACO3)	480	NR	NR	750	NR	500	540
Carbon Dioxide	38 J	NR	NR	60	NR	23	15
Nitrate-N	0.05 U	NR	NR	0.05 UJ	NR	0.05 U	0.014
Sulfate as SO4	5 U	NR	NR	5 U	NR	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-7-104-Filtered 7/30/02 mg/l	GW-AA-Q-7-104-Filtered-DUP 7/30/02 mg/l	GW-AA-Q-7-24 07/24/02 mg/l	GW-AA-Q-7-64 07/24/02 mg/l	GW-AA-Q-7-64-Filtered 7/24/02 mg/l	GW-AA-Q-8-104 08/02/02 mg/l	GW-AA-Q-8-104-Filter 8/2/02 mg/l
Aluminum	0.2 U	0.2 U	1.9	0.2 U	0.2 U	0.2 U	0.2 U
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0077	0.0052	0.11	0.011 J	0.0098 J	0.01 U	0.01 U
Barium	0.66	0.62	0.47	0.75	0.76	0.24	0.29
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	150	140	180	160	160	130	130
Chromium	0.01 U	0.01 U	0.008	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	0.01 U	0.01 U	0.011	0.01 U	0.01 U	0.01 U	0.01 U
Copper	0.02 U	0.00098	0.02 U	0.02 U	0.02 U	0.0027	0.0014
Iron	26	25	25	25	25	10	11
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.005 U	0.0032	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium	35	33	35	32	33	31	32
Manganese	1.3	1.2	2.3	1.6	1.6	0.64	0.86
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.0046	0.0044	0.014	0.0049	0.04 U	0.0064	0.0096
Potassium	11 J	10 J	8.3	10	11	5.8	6.4
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	16 J	15 J	29	15	15	17	17
Thallium	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U
Vanadium	0.01 U	0.001	0.0046	0.01 U	0.01 U	0.0014	0.0011
Zinc	0.011	0.01	0.021 U	0.02 U	0.02 U	0.015	0.0096
Other Parameters							
Alkalinity, Total (as CACO3)	NR	NR	580	570	NR	450	NR
Carbon Dioxide	NR	NR	30	33	NR	30	NR
Nitrate-N	NR	NR	0.05 UJ	0.05 UJ	NR	0.046	NR
Sulfate as SO4	NR	NR	57	5 U	NR	41	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-Q-8-111 08/02/02 mg/l	GW-AA-Q-8-111-Filter 8/2/02 mg/l	GW-AA-Q-8-24 7/31/02 mg/l	GW-AA-Q-8-24-Filtered 7/31/02 mg/l	GW-AA-Q-8-64 7/31/02 mg/l	GW-AA-Q-8-64-Filtered 7/31/02 mg/l	GW-AA-R-1-131 7/23/02 mg/l	GW-AA-R-1-28 7/19/02 mg/l
Aluminum	3	0.2 U	0.2	0.2 U	0.46	0.2 U	24	53 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0065	0.0064	0.035	0.034	0.003	0.01 U	0.028	0.029
Barium	0.39	0.31	0.41	0.39	0.42	0.39	2.8	1.2
Beryllium	0.00025	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0015	0.0023
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0014
Calcium	130	120	130	120	110	110	350	450
Chromium	0.12	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.24	0.084
Cobalt	0.0044	0.01 U	0.0016	0.01 U	0.0022	0.01 U	0.036	0.021
Copper	0.026	0.0017	0.01	0.02 U	0.02 U	0.02 U	0.11	0.067
Iron	42	27	24	23	25	23	96	66
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.0045	0.005 U	0.005 U	0.005 U	0.003	0.005 U	0.035	0.034
Magnesium	33	30	22	22	30	30	98	78
Manganese	2.3	2.1	1.4	1.3	2.3	2.2	3	7.2
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.00011
Nickel	0.024	0.0058	0.04 U	0.04 U	0.0081	0.04 U	0.1	0.057
Potassium	12	10	11	11	7.9	7.9	22 J	38
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	26	24	22	21	18	18	94	590
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ
Vanadium	0.0067	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.073	0.14
Zinc	0.032	0.0052	0.01	0.02 U	0.016	0.02 U	0.39	0.19 J
Other Parameters								
Alkalinity, Total (as CACO3)	430	NR	440	NR	480	NR	1200	1900
Carbon Dioxide	33	NR	58	NR	59	NR	140	150
Nitrate-N	0.033	NR	0.02	NR	0.018	NR	0.05 UJ	0.05 U
Sulfate as SO4	75	NR	5 U	NR	5 U	NR	5 U	2.3

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID	GW-AA-R-1-78	GW-AA-S-1-104	GW-AA-S-1-124	GW-AA-S-1-24FT	GW-AA-S-1-64	GW-AA-S-2-118 1/2	GW-AA-S-2-28	GW-AA-S-2-78
Sample Date	7/22/02	7/12/02	7/15/02	06/26/02	7/12/02	7/17/02	07/15/02	7/16/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound								
Aluminum	17	21	12	0.13 J	0.2 U	5.8	5.5	2.5
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.031	0.021	0.01 U	0.0041 J	0.01 U	0.01 UJ	0.01 U	0.01 UJ
Barium	1.2	0.67	0.61	0.29	0.62	0.4	0.28	0.25
Beryllium	0.001	0.00093	0.00042	0.004 U	0.004 U	0.004 U	0.00021	0.004 U
Cadmium	0.0058 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	320	190	220	130	220	200	120	210
Chromium	0.13	0.25	0.18	0.0031	0.01 U	0.088	0.011	0.022
Cobalt	0.016	0.016	0.0073	0.0083	0.01 U	0.0027	0.0054	0.01 U
Copper	0.067	0.058	0.035	0.02 U	0.02 U	0.019	0.02 U	0.02 U
Iron	77	73	62	10	35	37	10	32
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.016	0.023	0.008	0.0026	0.005 U	0.003	0.0039	0.005 U
Magnesium	67	46	52	9.8	45	53	19	46
Manganese	4.5	1.5	1.9	2.8	2.8	1	0.2	2.8
Mercury	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.072	0.068	0.041	0.031	0.04 U	0.018	0.016	0.0064
Potassium	17 J	30	33	7.5	9	41	11	9
Selenium	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.0092 J	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	140	26	43	160	33	45	2.6	35
Thallium	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 UJ
Vanadium	0.058	0.042	0.02	0.01 U	0.01 U	0.008	0.012	0.0039
Zinc	0.35	0.16 J	0.099 J	0.025	0.02 J	0.037	0.03 J	0.024
Other Parameters								
Alkalinity, Total (as CACO3)	990	570	590	600	510	620	310	470
Carbon Dioxide	65	27	54	81	44	65	18	35
Nitrate-N	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	3.4	0.72
Sulfate as SO4	5 U	160	140	36	210	120	28	200

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7a
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
Onsite Alluvial Wells

Sample ID Sample Date Units Compound	GW-AA-S-3-104FT 07/01/02 mg/l	GW-AA-S-3-132FT 07/02/02 mg/l	GW-AA-S-3-24FT 7/15/02 mg/l	GW-AA-S-3-64FT 06/28/02 mg/l
Aluminum	4.7	1	0.2 U	0.18 J
Antimony	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.0037	0.01 UJ	0.0038	0.01 UJ
Barium	0.33 U	0.28 U	0.12	0.7
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	170 U	220 U	170	220
Chromium	0.073	0.017	0.01 U	0.01 U
Cobalt	0.0025	0.01 UJ	0.01 U	0.01 UJ
Copper	0.075 U	0.02 U	0.02 U	0.02 U
Iron	31	26	2.1	23
Iron, Ferrous (2+)	NR	NR	NR	NR
Lead	0.0061	0.005 U	0.005 U	0.005 U
Magnesium	46 U	62 U	26	40
Manganese	0.76	0.57	0.03	2.5
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.017	0.01	0.0076	0.04 U
Potassium	34	NR	5.2	7.6
Selenium	0.01 U	0.01 U	0.0051 J	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 UJ
Sodium	22 U	NR	12	34
Thallium	0.01 U	0.0368 U	0.01 U	0.01 UJ
Vanadium	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	0.086 U	0.043 U	0.02 U	0.0094
Other Parameters				
Alkalinity, Total (as CACO3)	570	710	420	590
Carbon Dioxide	120	130	38	46
Nitrate-N	0.05 U	0.05 U	2.8	0.05 U
Sulfate as SO4	120	170	75	2300

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
All Other Samples

Sample ID Sample Date Units Compound	BDRK-O-1 08/30/02 mg/l	BDRK-P-1 9/9/02 mg/l	BDRK-Q-1 9/9/02 mg/l	BDRK-Q-2 09/03/02 mg/l	BDRK-Q-2-DUP 09/03/02 mg/l	BDRK-R-1 9/5/02 mg/l	BDRK-S-1 9/6/02 mg/l	GW-UAA-1-100FT 06/18/02 mg/l	GW-UAA-1-110FT 06/18/02 mg/l
Aluminum	0.16	5.1	40	0.21	0.23	29	6.3	0.52	6.3
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0046	0.02 U	0.2 U	0.2 U
Arsenic	0.0033	0.015 U	0.064	0.01 U	0.01 U	0.03	0.0063	0.018	0.036
Barium	0.24	0.23	0.58	0.63	0.64	0.26	0.018 U	0.051	0.15
Beryllium	0.004 U	0.00036	0.0017	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.00073	0.0032	0.005 U	0.005 U	0.0011	0.005 U	1.9	2.7
Calcium	160	520	1500	76	77	370	29	NR	720
Chromium	0.01 U	0.034	0.088	0.01 U	0.01 U	0.04	0.01 U	0.013	0.12
Cobalt	0.01 U	0.0022	0.018	0.01 U	0.01 U	0.0094	0.01 U	0.2	0.26
Copper	0.02 U	0.023	0.058	0.001	0.00093	0.019	0.02 U	0.0015 J	0.038
Iron	0.41	9.3	51	0.38	0.44	19	3.3	81	150
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR	55	89
Lead	0.005 U	0.0036 J	0.027 J	0.005 U	0.005 U	0.013	0.005 U	0.005 U	0.0052
Magnesium	66	19	78	42	43	60	15	170	200
Manganese	0.058	0.23	0.53	0.012	0.012	0.2	0.022	21	28
Mercury	0.0002 U	0.00011 J	0.00024 J	0.0002 U	0.0002 U	0.0002	0.000073	0.0002 U	0.0002 U
Nickel	0.04 U	0.032	0.13	0.04 U	0.04 U	0.038	0.008	0.093	0.15
Potassium	7	17	26	4.4	4.4	23 J	13 J	NR	33
Selenium	0.01 U	0.0055	0.014	0.01 U	0.01 U	0.01 U	0.01 U	0.1 UJ	0.1 UJ
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ
Sodium	120 J	140	130	55 J	56 J	320	460	200	200
Thallium	0.0038	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	NR	0.05 U
Vanadium	0.0026	0.019	0.1	0.0019	0.0022	0.06	0.014	0.01 U	0.018
Zinc	0.02 U	0.063	0.17	0.02 U	0.02 U	0.051	0.0072	230	300
Other Parameters									
Alkalinity, Total (as CACO3)	480	13000	2000	440	440	1400	510	300	260
Carbon Dioxide	15	0	20	15	15	18	6.9	330	360
Nitrate-N	1.4	0.14	0.7	0.11	0.15	0.033	0.015	0.017	0.05 U
Sulfate as SO4	190 J	75	32	7.6	7.1	60	110	2300	2700

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-1-20FT 06/14/02 mg/l	GW-UAA-1-60FT 06/17/02 mg/l	GW-UAA-2-100FT 06/21/02 mg/l	GW-UAA-2-124FT 06/24/02 mg/l	GW-UAA-2-20FT 06/19/02 mg/l	GW-UAA-2-60FT 06/20/02 mg/l	GW-UAA-3-104 06/13/02 mg/l	GW-UAA-3-116 06/13/02 mg/l
Aluminum	1.4 J	0.95 J	0.52	0.2 U	0.0081 J	0.2 U	3.1	1.2
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.0047	0.01 U	0.01 U	0.01 U	0.0059	0.01 UJ	0.01 UJ
Barium	0.3	0.13	0.12	0.098	0.12	0.35	1	0.15
Beryllium	0.004	0.004	0.004 U	0.004 U	0.004 U	0.004 U	0.004 UJ	0.004 UJ
Cadmium	0.005 U	0.0012	0.005 U	0.005 U	0.005 U	0.005 U	0.00074	0.002
Calcium	190	330	260	340	130	230	260	340
Chromium	0.0071	0.0068	0.015	0.01 U	0.01 U	0.01 U	0.074	0.038
Cobalt	0.0046	0.00086	0.01 U	0.01 U	0.01 U	0.01 U	0.0033	0.0015
Copper	0.02	0.02 U	0.0059	0.02 U	0.02 U	0.02 U	0.055	0.025
Iron	4.7	59	28	37	1.9	30	25	61
Iron, Ferrous (2+)	0.04	13	8.5	15	0.051	3.4	0.52	28
Lead	0.003	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0031	0.005 U
Magnesium	43	69	36	50	36	55	74	120
Manganese	1.7	4.2	1.6	1.6	0.018	2.2	1.1	1.2
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ
Nickel	0.021	0.0086	0.04 U	0.04 U	0.0072	0.04 U	0.027	0.011
Potassium	8.6	14	10	11	1.3	10	12	11
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ
Sodium	48	120	33	37	8.1	100	NR	61
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.01	0.01	0.0016	0.0012	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	0.022	0.034	0.054	0.042	0.026	0.014	0.36	0.23
Other Parameters								
Alkalinity, Total (as CACO3)	600	450	430	390	400	470	530	500
Carbon Dioxide	87	58	110 J	100	57	110 J	190	240
Nitrate-N	0.05 U	0.05 U	0.05 U	0.05 U	0.11	0.05 U	0.05 U	0.05 U
Sulfate as SO4	57	420	280	560	48	160	160	770

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
All Other Samples

Sample ID Sample Date Units Compound	GW-UAA-3-24FT-R 06/11/02 mg/l	GW-UAA-3-64 06/12/02 mg/l	GW-UAA-3-94 06/12/02 mg/l	GW-AA-UAA-4-100 07/26/02 mg/l	GW-AA-UAA-4-100-Filtered 07/26/02 mg/l	GW-AA-UAA-4-113 07/29/02 mg/l	GW-AA-UAA-4-113-Filtered 07/29/02 mg/l
Aluminum	0.2 U	0.25	NR	2.1 J	0.2 U	8.3 J	0.2 U
Antimony	0.02 U	0.02 U	NR	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.01 UJ	NR	0.0049	0.01 U	0.017	0.01 U
Barium	0.18	0.1	NR	0.34	0.29	0.5	0.28
Beryllium	0.004 U	0.004 UJ	NR	0.004 U	0.004 U	0.00067	0.004 U
Cadmium	0.005 U	0.005 U	NR	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	100	220	NR	150	140	160	130
Chromium	0.01 U	0.0082	NR	0.019	0.01 U	0.23	0.01 U
Cobalt	0.00089	0.0054	NR	0.0019	0.01 U	0.016	0.01 U
Copper	0.0019	0.02 U	NR	0.0068	0.02 U	0.094	0.02 U
Iron	2	9.8	NR	20	13	86	16
Iron, Ferrous (2+)	0.011	2.4	NR	NR	NR	NR	NR
Lead	0.005 U	0.005 U	NR	0.0034	0.005 U	0.022	0.005 U
Magnesium	32	63	NR	39	38	42	35
Manganese	0.092	4.1	NR	0.77	0.4	3.6	0.51
Mercury	0.0002 UJ	0.0002 UJ	NR	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.0072	0.013	NR	0.009	0.04 U	0.073	0.013
Potassium	44	50	NR	6.2 J	5.5 J	7.9 J	5.5 J
Selenium	0.0092 J	0.01 U	NR	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 UJ	0.01 UJ	NR	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	2.4	88	80	18 J	17 J	16 J	15 J
Thallium	0.0041 J	0.01 U	NR	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.002	0.01 U	NR	0.0067	0.01 U	0.026	0.01 U
Zinc	0.0094	0.045	NR	0.023	0.02 U	0.31	0.011
Other Parameters							
Alkalinity, Total (as CACO3)	380	630	NR	460	NR	430	NR
Carbon Dioxide	43	110	NR	17	NR	19	NR
Nitrate-N	2.5	0.05 U	NR	0.013 J	NR	0.05 UJ	NR
Sulfate as SO4	44	440	NR	77	NR	63	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
All Other Samples

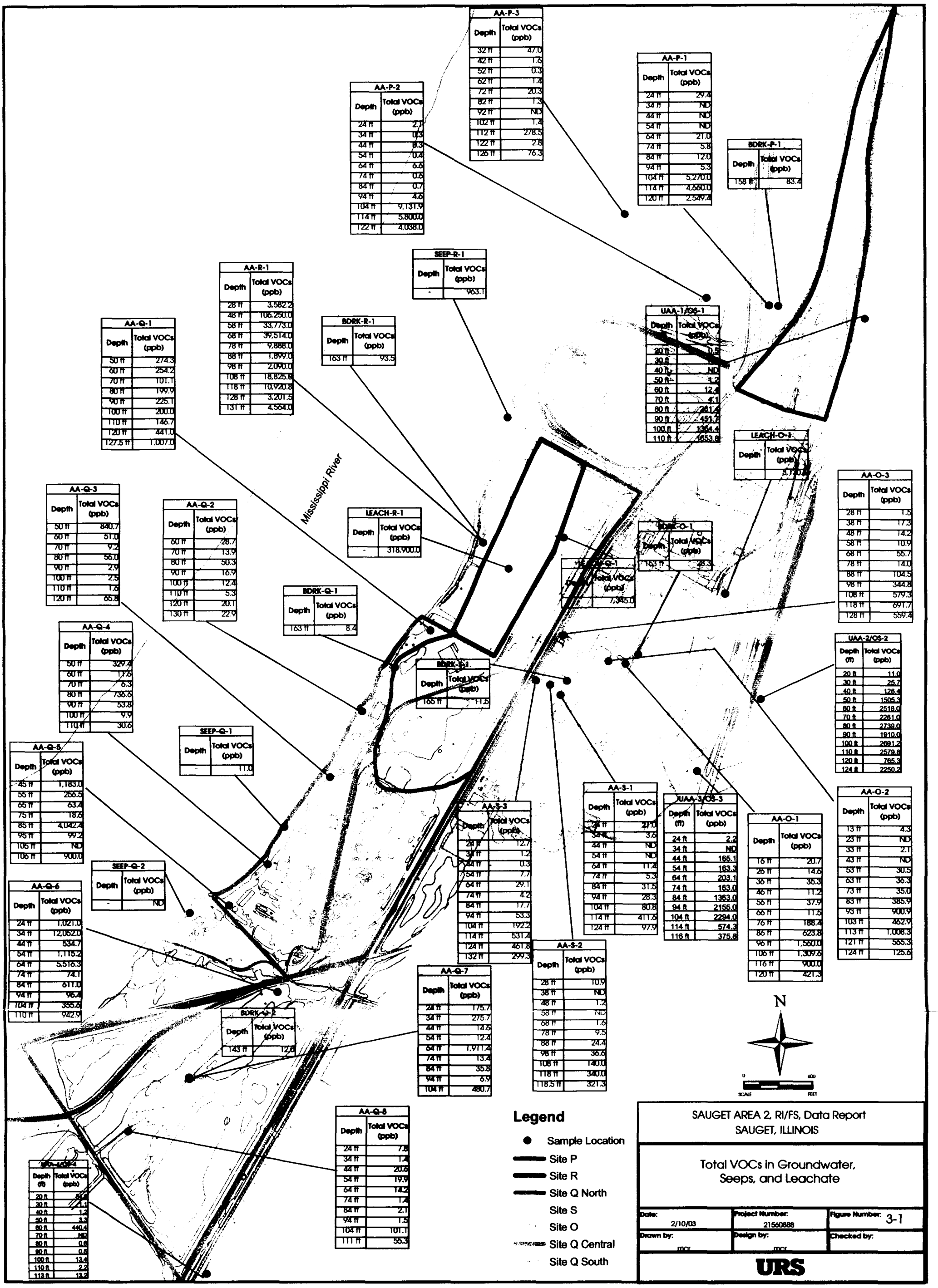
Sample ID Sample Date Units Compound	GW-AA-UAA-4-20 07/24/02 mg/l	GW-AA-UAA-4-20-DUP 07/24/02 mg/l	GW-AA-UAA-4-20-DUP-Filtered 07/24/02 mg/l	GW-AA-UAA-4-20-Filtered 07/24/02 mg/l	GW-AA-UAA-4-60 07/25/02 mg/l	GW-AA-UAA-4-60-Filtered 07/25/02 mg/l
Aluminum	0.39	0.3	0.2 U	0.2 U	0.69 J	0.2 U
Antimony	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U
Barium	0.18	0.18	0.17	0.18	0.57	0.62
Beryllium	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	130	130	130	140	130	130
Chromium	0.01 U	0.01 U	0.01 U	0.01 U	0.0078	0.01 U
Cobalt	0.0026	0.0022	0.0022	0.0026	0.01 U	0.01 U
Copper	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Iron	2.4	2.2	1.5	2.4	21	17
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR
Lead	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Magnesium	29	29	29	30	39	39
Manganese	1.4	1.4	1.4	1.4	1.9	1.9
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.013	0.012	0.011	0.013	0.013	0.011
Potassium	5.8	5.8	5.6	5.9	7	6.5 J
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	12	11	11	11	14	13
Thallium	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Vanadium	0.0016	0.01 U	0.01 U	0.01 U	0.0012	0.01 U
Zinc	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Other Parameters						
Alkalinity, Total (as CACO3)	430	420	NR	NR	510	NR
Carbon Dioxide	42	36	NR	NR	18	NR
Nitrate-N	0.05 UJ	0.05 UJ	NR	NR	0.05 U	NR
Sulfate as SO4	38	38	NR	NR	5 U	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 3-7b
Sauget Area 2 RI/FS Data Report - Groundwater, Seeps, and Leachate
Method 6010/7470/SM3500/4500-CO/310.1/353.2/375.4 - Inorganic Data
All Other Samples

Sample ID Sample Date Units Compound	LEACH-O-1 09/18/02 mg/l	LEACH-Q-1 09/11/02 mg/l	LEACH-Q-1-DUP 09/11/02 mg/l	LEACH-R-1 09/10/02 mg/l	SEEP-Q-1 08/08/02 mg/l	SEEP-Q-2 08/08/02 mg/l	Seep-R-1 08/09/02 mg/l
Aluminum	0.6	0.13	0.2 U	15 J	17	120	9.2
Antimony	0.02 U	0.016	0.016	0.1 U	0.02 U	0.02 U	0.02 U
Arsenic	0.028	0.01 U	0.01 U	0.021 J	0.027	0.12	0.024
Barium	0.23	0.14	0.12	0.14	0.4	3	0.36
Beryllium	0.004 U	0.004 U	0.004 U	0.031	0.00083	0.012	0.00049
Cadmium	0.001	0.005 U	0.005 U	0.0032	0.00073	0.024	0.005 U
Calcium	460	270	270	1700	200	640	450
Chromium	0.01 U	0.018	0.018	0.6	0.022	0.17	0.013
Cobalt	0.0024 J	0.08	0.079	2.6	0.0085	0.15	0.0041
Copper	0.01	0.02 U	0.02 U	0.026	0.023	0.37	0.014
Iron	2.7	22	23	370	23	240	25
Iron, Ferrous (2+)	NR	NR	NR	NR	NR	NR	NR
Lead	0.0045	0.005 U	0.005 U	0.12 U	0.018	0.33	0.014
Magnesium	200	27	27	220	48	180	31
Manganese	18	1.8	1.8	250	5.3	14	4.2
Mercury	0.0012	0.0002 UJ	0.0002 UJ	0.013 J	0.0002 U	0.00086	0.0002 U
Nickel	0.014	0.31	0.31	1.8	0.023	0.35	0.013
Potassium	16	14	14	420	12	29	33
Selenium	0.01 U	0.01 U	0.01 U	0.25 U	0.01 U	0.01 U	0.01 U
Silver	0.0008	0.01 U	0.01 U	0.0088	0.01 U	0.01 U	0.01 U
Sodium	70	NR	81	3000	48	26	60 J
Thallium	0.0037	0.01 U	0.01 U	0.12	0.01 U	0.01 U	0.01 U
Vanadium	0.01 U	0.018	0.018	0.36	0.044	0.45	0.024
Zinc	0.22	7.5	7.4	99	0.12	2.2	0.057
Other Parameters							
Alkalinity, Total (as CACO3)	NR	NR	NR	NR	NR	NR	NR
Carbon Dioxide	NR	NR	NR	NR	NR	NR	NR
Nitrate-N	NR	NR	NR	NR	NR	NR	NR
Sulfate as SO4	NR	NR	NR	NR	NR	NR	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported



AA-P-3	
Depth	Total VOCs (ppb)
32 ft	47.0
42 ft	1.6
52 ft	0.3
62 ft	1.4
72 ft	20.3
82 ft	1.3
92 ft	ND
102 ft	1.4
112 ft	278.5
122 ft	2.8
126 ft	76.3

AA-P-2	
Depth	Total VOCs (ppb)
24 ft	2.7
34 ft	0.3
44 ft	0.3
54 ft	0.4
64 ft	6.6
74 ft	0.6
84 ft	0.7
94 ft	4.6
104 ft	9,131.9
114 ft	5,800.0
122 ft	4,038.0

AA-P-1	
Depth	Total VOCs (ppb)
24 ft	29.4
34 ft	ND
44 ft	ND
54 ft	ND
64 ft	21.0
74 ft	5.8
84 ft	12.0
94 ft	5.3
104 ft	5,270.0
114 ft	4,660.0
120 ft	2,549.4

BDRK-P-1	
Depth	Total VOCs (ppb)
158 ft	83.4

SEEP-R-1	
Depth	Total VOCs (ppb)
-	963.1

AA-R-1	
Depth	Total VOCs (ppb)
28 ft	3,582.2
48 ft	106,250.0
58 ft	33,773.0
68 ft	39,514.0
78 ft	9,888.0
88 ft	1,899.0
98 ft	2,090.0
108 ft	18,825.6
118 ft	10,920.8
128 ft	3,201.5
131 ft	4,564.0

BDRK-R-1	
Depth	Total VOCs (ppb)
163 ft	93.5

UAA-1/OS-1	
Depth	Total VOCs (ppb)
20 ft	0.5
30 ft	[illegible]
40 ft	ND
50 ft	1.2
60 ft	12.4
70 ft	4.1
80 ft	261.4
90 ft	451.7
100 ft	1364.4
110 ft	1653.8

AA-Q-1	
Depth	Total VOCs (ppb)
50 ft	274.3
60 ft	254.2
70 ft	101.1
80 ft	199.9
90 ft	225.1
100 ft	200.0
110 ft	146.7
120 ft	441.0
127.5 ft	1,007.0

LEACH-O-1	
Depth	Total VOCs (ppb)
-	5,7[illegible]

AA-O-3	
Depth	Total VOCs (ppb)
28 ft	1.5
38 ft	17.3
48 ft	14.2
58 ft	10.9
68 ft	55.7
78 ft	14.0
88 ft	104.5
98 ft	344.8
108 ft	579.3
118 ft	691.7
128 ft	559.4

AA-Q-3	
Depth	Total VOCs (ppb)
50 ft	840.7
60 ft	51.0
70 ft	9.2
80 ft	56.0
90 ft	2.9
100 ft	2.5
110 ft	1.6
120 ft	65.8

AA-Q-2	
Depth	Total VOCs (ppb)
60 ft	28.7
70 ft	13.9
80 ft	50.3
90 ft	16.9
100 ft	12.4
110 ft	5.3
120 ft	20.1
130 ft	22.9

LEACH-R-1	
Depth	Total VOCs (ppb)
-	318,900.0

BDRK-O-1	
Depth	Total VOCs (ppb)
153 ft	28.3

[illegible]-Q-1	
Depth	Total VOCs (ppb)
[illegible]	7,345.0

BDRK-Q-1	
Depth	Total VOCs (ppb)
163 ft	8.4

AA-Q-4	
Depth	Total VOCs (ppb)
50 ft	329.4
60 ft	17.6
70 ft	6.3
80 ft	736.6
90 ft	53.8
100 ft	9.9
110 ft	30.6

BDRK-S-1	
Depth	Total VOCs (ppb)
165 ft	11.5

UAA-2/OS-2	
Depth (ft)	Total VOCs (ppb)
20 ft	11.0
30 ft	25.7
40 ft	126.4
50 ft	1505.3
60 ft	2516.0
70 ft	2261.0
80 ft	2739.0
90 ft	1910.0
100 ft	2891.2
110 ft	2579.8
120 ft	765.3
124 ft	2250.2

SEEP-Q-1	
Depth	Total VOCs (ppb)
-	11.0

AA-Q-5	
Depth	Total VOCs (ppb)
45 ft	1,183.0
55 ft	256.5
65 ft	63.4
75 ft	18.6
85 ft	4,042.4
95 ft	99.2
105 ft	ND
106 ft	900.0

AA-S-1	
Depth	Total VOCs (ppb)
24 ft	27.0
34 ft	3.6
44 ft	ND
54 ft	ND
64 ft	11.4
74 ft	5.3
84 ft	31.5
94 ft	28.3
104 ft	80.8
114 ft	411.6
124 ft	97.9

UAA-3/OS-3	
Depth (ft)	Total VOCs (ppb)
24 ft	2.2
34 ft	ND
44 ft	165.1
54 ft	163.3
64 ft	203.1
74 ft	163.0
84 ft	1363.0
94 ft	2155.0
104 ft	2294.0
114 ft	574.3
116 ft	375.8

AA-O-1	
Depth	Total VOCs (ppb)
16 ft	20.7
26 ft	14.6
36 ft	35.3
46 ft	11.2
56 ft	37.9
66 ft	11.5
76 ft	188.4
86 ft	623.8
96 ft	1,560.0
106 ft	1,309.6
116 ft	900.0
120 ft	421.3

AA-O-2	
Depth	Total VOCs (ppb)
13 ft	4.3
23 ft	ND
33 ft	2.1
43 ft	ND
53 ft	30.5
63 ft	36.3
73 ft	35.0
83 ft	385.9
93 ft	900.9
103 ft	462.9
113 ft	1,008.3
121 ft	565.3
124 ft	125.6

SEEP-Q-2	
Depth	Total VOCs (ppb)
-	ND

AA-S-3	
Depth	Total VOCs (ppb)
24 ft	12.7
34 ft	1.2
44 ft	0.3
54 ft	7.7
64 ft	29.1
74 ft	4.2
84 ft	17.7
94 ft	53.3
104 ft	192.2
114 ft	531.4
124 ft	461.8
132 ft	299.3

AA-Q-6	
Depth	Total VOCs (ppb)
24 ft	1,021.0
34 ft	12,052.0
44 ft	534.7
54 ft	1,115.2
64 ft	5,516.3
74 ft	74.1
84 ft	611.0
94 ft	96.4
104 ft	355.6
110 ft	942.9

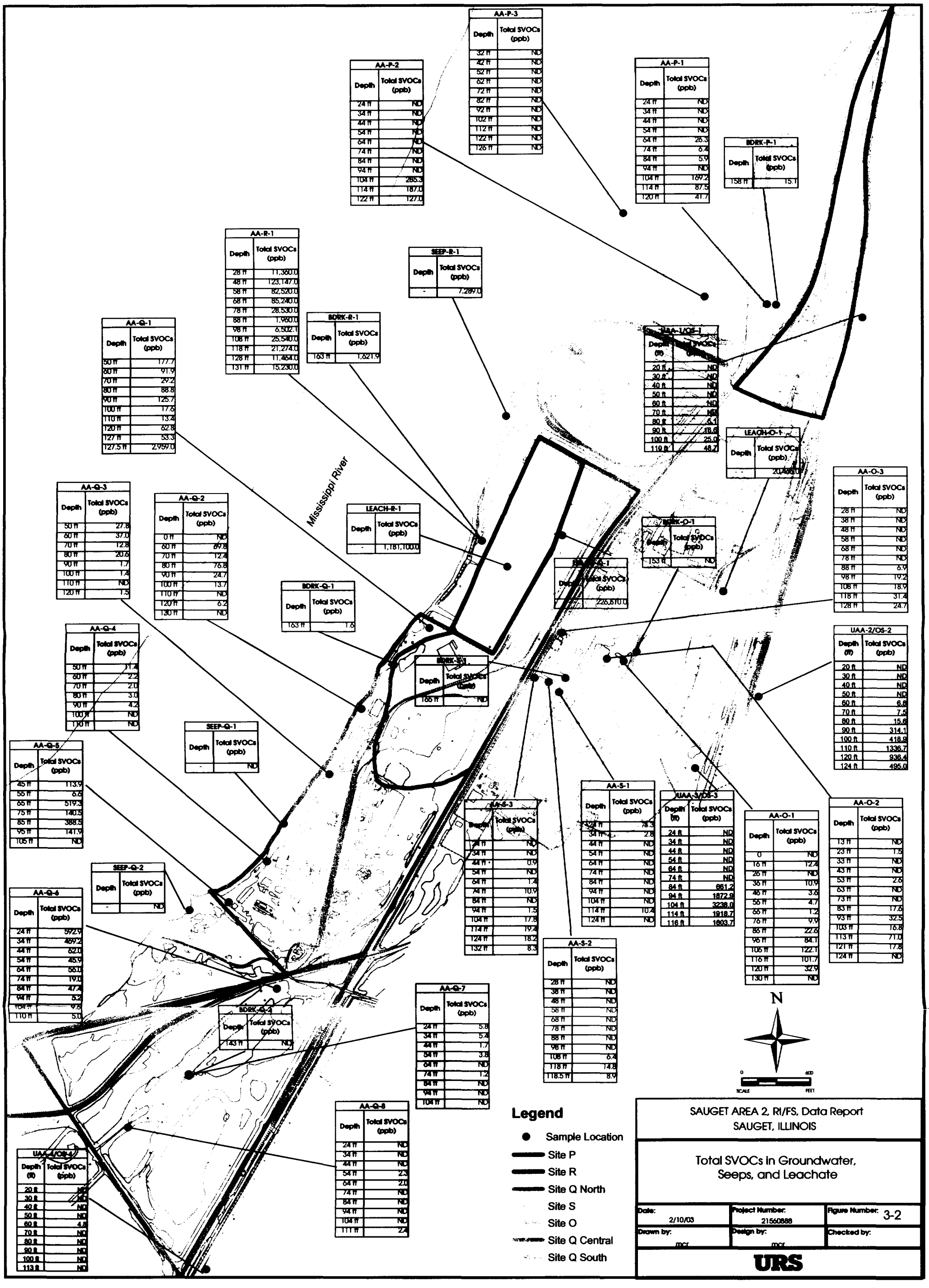
AA-S-2	
Depth	Total VOCs (ppb)
28 ft	10.9
38 ft	ND
48 ft	1.2
58 ft	ND
68 ft	1.6
78 ft	9.5
88 ft	24.4
98 ft	36.6
108 ft	140.0
118 ft	340.0
118.5 ft	321.3

AA-Q-7	
Depth	Total VOCs (ppb)
24 ft	175.7
34 ft	275.7
44 ft	14.6
54 ft	12.4
64 ft	1,911.4
74 ft	13.4
84 ft	35.8
94 ft	6.9
104 ft	480.7

BDRK-Q-2	
Depth	Total VOCs (ppb)
143 ft	12.0

AA-Q-8	
Depth	Total VOCs (ppb)
24 ft	7.8
34 ft	1.4
44 ft	20.6
54 ft	19.9
64 ft	14.2
74 ft	1.4
84 ft	2.1
94 ft	1.5
104 ft	101.1
111 ft	55.3

BDRK-Q-4	
Depth (ft)	Total VOCs (ppb)
20 ft	[illegible]
30 ft	1.1
40 ft	1.2
50 ft	3.3
60 ft	440.4
70 ft	ND
80 ft	0.6
90 ft	0.5
100 ft	13.4
110 ft	2.2
113 ft	13.2



AA-P-3	
Depth	Total SVOCs (ppb)
32 ft	ND
42 ft	ND
52 ft	ND
62 ft	ND
72 ft	ND
82 ft	ND
92 ft	ND
102 ft	ND
112 ft	ND
122 ft	ND
126 ft	ND

AA-P-2	
Depth	Total SVOCs (ppb)
24 ft	ND
34 ft	ND
44 ft	ND
54 ft	ND
64 ft	ND
74 ft	ND
84 ft	ND
94 ft	ND
104 ft	285.3
114 ft	187.0
122 ft	127.0

AA-P-1	
Depth	Total SVOCs (ppb)
24 ft	ND
34 ft	ND
44 ft	ND
54 ft	ND
64 ft	26.3
74 ft	6.4
84 ft	5.9
94 ft	ND
104 ft	169.2
114 ft	87.5
120 ft	41.7

BDRK-P-1	
Depth	Total SVOCs (ppb)
158 ft	15.1

AA-R-1	
Depth	Total SVOCs (ppb)
28 ft	11,360.0
48 ft	123,147.0
58 ft	82,520.0
68 ft	85,240.0
78 ft	28,530.0
88 ft	1,960.0
98 ft	6,502.1
108 ft	25,540.0
118 ft	21,274.0
128 ft	11,464.0
131 ft	15,230.0

SEEP-R-1	
Depth	Total SVOCs (ppb)
-	7,289.0

BDRK-R-1	
Depth	Total SVOCs (ppb)
163 ft	1,621.9

AA-Q-1	
Depth	Total SVOCs (ppb)
50 ft	177.7
60 ft	91.9
70 ft	29.2
80 ft	88.8
90 ft	125.7
100 ft	17.6
110 ft	13.4
120 ft	62.8
127 ft	53.3
127.5 ft	2,959.0

UAA-1/OS-1	
Depth (ft)	Total SVOCs (ppb)
20 ft	ND
30 ft	ND
40 ft	ND
50 ft	ND
60 ft	ND
70 ft	ND
80 ft	6.1
90 ft	18.6
100 ft	25.0
110 ft	48.7

LEACH-O-1	
Depth	Total SVOCs (ppb)
-	20,400.0

AA-O-3	
Depth	Total SVOCs (ppb)
28 ft	ND
38 ft	ND
48 ft	ND
58 ft	ND
68 ft	ND
78 ft	ND
88 ft	6.9
98 ft	19.2
108 ft	18.9
118 ft	31.4
128 ft	24.7

AA-Q-3	
Depth	Total SVOCs (ppb)
50 ft	27.8
60 ft	37.0
70 ft	12.8
80 ft	20.6
90 ft	1.7
100 ft	1.4
110 ft	ND
120 ft	1.5

AA-Q-2	
Depth	Total SVOCs (ppb)
0 ft	ND
60 ft	89.8
70 ft	12.4
80 ft	76.8
90 ft	24.7
100 ft	13.7
110 ft	ND
120 ft	6.2
130 ft	ND

LEACH-R-1	
Depth	Total SVOCs (ppb)
-	1,181,100.0

BDRK-O-1	
Depth	Total SVOCs (ppb)
153 ft	ND

BDRK-Q-1	
Depth	Total SVOCs (ppb)
163 ft	1.6

BDRK-S-1	
Depth	Total SVOCs (ppb)
-	226,810.0

AA-Q-4	
Depth	Total SVOCs (ppb)
50 ft	11.4
60 ft	2.2
70 ft	2.0
80 ft	3.0
90 ft	4.2
100 ft	ND
110 ft	ND

BDRK-R-1	
Depth	Total SVOCs (ppb)
166 ft	ND

UAA-2/OS-2	
Depth (ft)	Total SVOCs (ppb)
20 ft	ND
30 ft	ND
40 ft	ND
50 ft	ND
60 ft	6.8
70 ft	7.5
80 ft	15.6
90 ft	314.1
100 ft	418.9
110 ft	1336.7
120 ft	936.4
124 ft	495.0

SEEP-Q-1	
Depth	Total SVOCs (ppb)
-	ND

AA-Q-5	
Depth	Total SVOCs (ppb)
45 ft	113.9
55 ft	6.6
65 ft	519.3
75 ft	140.5
85 ft	388.5
95 ft	141.9
105 ft	ND

AA-S-3	
Depth	Total SVOCs (ppb)
24 ft	ND
34 ft	ND
44 ft	0.9
54 ft	ND
64 ft	1.4
74 ft	10.9
84 ft	ND
94 ft	1.5
104 ft	17.8
114 ft	19.4
124 ft	18.2
132 ft	8.3

AA-S-1	
Depth	Total SVOCs (ppb)
24 ft	78.3
34 ft	2.8
44 ft	ND
54 ft	ND
64 ft	ND
74 ft	ND
84 ft	ND
94 ft	ND
104 ft	ND
114 ft	10.4
124 ft	ND

UAA-3/OS-3	
Depth (ft)	Total SVOCs (ppb)
24 ft	ND
34 ft	ND
44 ft	ND
54 ft	ND
64 ft	ND
74 ft	ND
84 ft	661.2
94 ft	1872.9
104 ft	3238.0
114 ft	1918.7
116 ft	1603.7

AA-O-1	
Depth	Total SVOCs (ppb)
0	ND
16 ft	12.4
26 ft	ND
36 ft	10.9
46 ft	3.6
56 ft	4.7
66 ft	1.2
76 ft	9.9
86 ft	22.6
96 ft	84.1
106 ft	122.1
116 ft	101.7
120 ft	32.9
130 ft	ND

AA-O-2	
Depth	Total SVOCs (ppb)
13 ft	ND
23 ft	1.5
33 ft	ND
43 ft	ND
53 ft	2.6
63 ft	ND
73 ft	ND
83 ft	17.6
93 ft	32.5
103 ft	16.8
113 ft	71.0
121 ft	17.8
124 ft	ND

AA-Q-6	
Depth	Total SVOCs (ppb)
24 ft	592.9
34 ft	469.2
44 ft	62.0
54 ft	45.9
64 ft	56.0
74 ft	19.0
84 ft	47.4
94 ft	5.2
104 ft	9.8
110 ft	5.0

SEEP-Q-2	
Depth	Total SVOCs (ppb)
-	ND

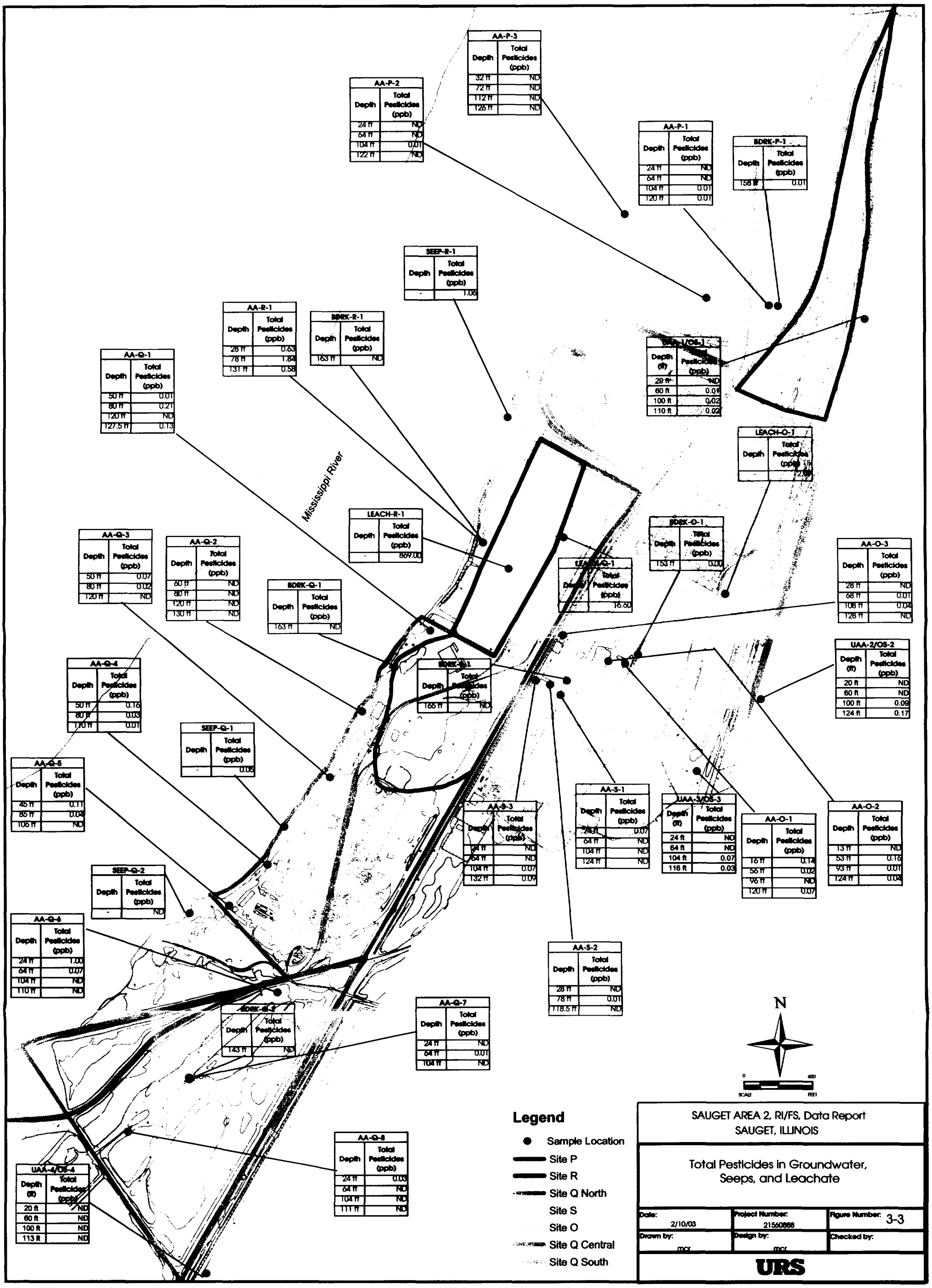
AA-S-2	
Depth	Total SVOCs (ppb)
28 ft	ND
38 ft	ND
48 ft	ND
58 ft	ND
68 ft	ND
78 ft	ND
88 ft	ND
98 ft	ND
108 ft	6.4
118 ft	14.8
118.5 ft	8.9

BDRK-Q-2	
Depth	Total SVOCs (ppb)
143 ft	ND

AA-Q-7	
Depth	Total SVOCs (ppb)
24 ft	5.8
34 ft	5.4
44 ft	1.7
54 ft	3.8
64 ft	ND
74 ft	1.2
84 ft	ND
94 ft	ND
104 ft	ND

AA-Q-8	
Depth	Total SVOCs (ppb)
24 ft	ND
34 ft	ND
44 ft	ND
54 ft	2.3
64 ft	2.0
74 ft	ND
84 ft	ND
94 ft	ND
104 ft	ND
111 ft	2.4

UAA-4/OS-4	
Depth (ft)	Total SVOCs (ppb)
20 ft	ND
30 ft	ND
40 ft	ND
50 ft	ND
60 ft	4.8
70 ft	ND
80 ft	ND
90 ft	ND
100 ft	ND
113 ft	ND



AA-P-3	
Depth	Total Pesticides (ppb)
32 ft	ND
72 ft	ND
112 ft	ND
126 ft	ND

AA-P-2	
Depth	Total Pesticides (ppb)
24 ft	ND
64 ft	ND
104 ft	0.01
122 ft	ND

AA-P-1	
Depth	Total Pesticides (ppb)
24 ft	ND
64 ft	ND
104 ft	0.01
120 ft	0.01

BDRK-P-1	
Depth	Total Pesticides (ppb)
158 ft	0.01

SEEP-R-1	
Depth	Total Pesticides (ppb)
-	1.06

AA-R-1	
Depth	Total Pesticides (ppb)
28 ft	0.63
78 ft	1.84
131 ft	0.58

BDRK-R-1	
Depth	Total Pesticides (ppb)
163 ft	ND

UAA-1/OS-1	
Depth (ft)	Total Pesticides (ppb)
29 ft	ND
60 ft	0.01
100 ft	0.02
110 ft	0.02

AA-Q-1	
Depth	Total Pesticides (ppb)
50 ft	0.01
80 ft	0.21
120 ft	ND
127.5 ft	0.13

LEACH-O-1	
Depth	Total Pesticides (ppb)
-	2.50

LEACH-R-1	
Depth	Total Pesticides (ppb)
-	869.00

BDRK-O-1	
Depth	Total Pesticides (ppb)
153 ft	0.00

AA-Q-3	
Depth	Total Pesticides (ppb)
50 ft	0.07
80 ft	0.02
120 ft	ND

AA-Q-2	
Depth	Total Pesticides (ppb)
60 ft	ND
80 ft	ND
120 ft	ND
130 ft	ND

BDRK-Q-1	
Depth	Total Pesticides (ppb)
163 ft	ND

LEACH-Q-1	
Depth	Total Pesticides (ppb)
-	16.60

AA-O-3	
Depth	Total Pesticides (ppb)
28 ft	ND
68 ft	0.01
108 ft	0.04
128 ft	ND

UAA-2/OS-2	
Depth (ft)	Total Pesticides (ppb)
20 ft	ND
60 ft	ND
100 ft	0.09
124 ft	0.17

AA-Q-4	
Depth	Total Pesticides (ppb)
50 ft	0.16
80 ft	0.03
110 ft	0.01

BDRK-Q-2	
Depth	Total Pesticides (ppb)
165 ft	ND

SEEP-Q-1	
Depth	Total Pesticides (ppb)
-	0.06

AA-Q-5	
Depth	Total Pesticides (ppb)
45 ft	0.11
85 ft	0.04
105 ft	ND

AA-S-1	
Depth	Total Pesticides (ppb)
24 ft	0.07
64 ft	ND
104 ft	ND
124 ft	ND

UAA-3/OS-3	
Depth (ft)	Total Pesticides (ppb)
24 ft	ND
64 ft	ND
104 ft	0.07
116 ft	0.03

AA-O-1	
Depth	Total Pesticides (ppb)
16 ft	0.14
56 ft	0.02
96 ft	ND
120 ft	0.07

AA-O-2	
Depth	Total Pesticides (ppb)
13 ft	ND
53 ft	0.16
93 ft	0.01
124 ft	0.04

AA-S-3	
Depth	Total Pesticides (ppb)
24 ft	ND
64 ft	ND
104 ft	0.07
132 ft	0.09

SEEP-Q-2	
Depth	Total Pesticides (ppb)
-	ND

AA-Q-6	
Depth	Total Pesticides (ppb)
24 ft	1.00
64 ft	0.07
104 ft	ND
110 ft	ND

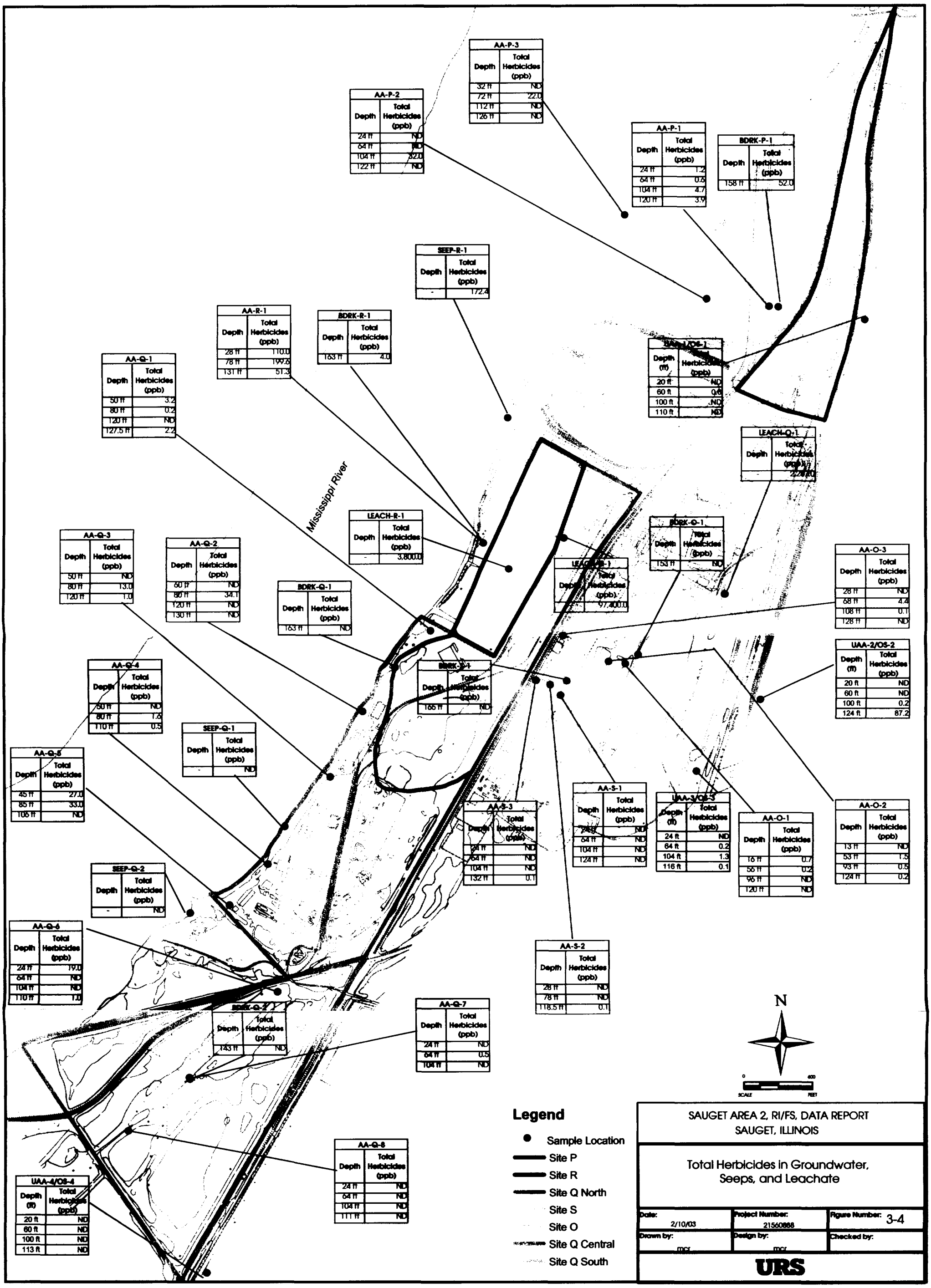
AA-S-2	
Depth	Total Pesticides (ppb)
28 ft	ND
78 ft	0.01
118.5 ft	ND

BDRK-Q-3	
Depth	Total Pesticides (ppb)
143 ft	ND

AA-Q-7	
Depth	Total Pesticides (ppb)
24 ft	ND
64 ft	0.01
104 ft	ND

AA-Q-8	
Depth	Total Pesticides (ppb)
24 ft	0.03
64 ft	ND
104 ft	ND
111 ft	ND

UAA-4/OS-4	
Depth (ft)	Total Pesticides (ppb)
20 ft	ND
60 ft	ND
100 ft	ND
113 ft	ND

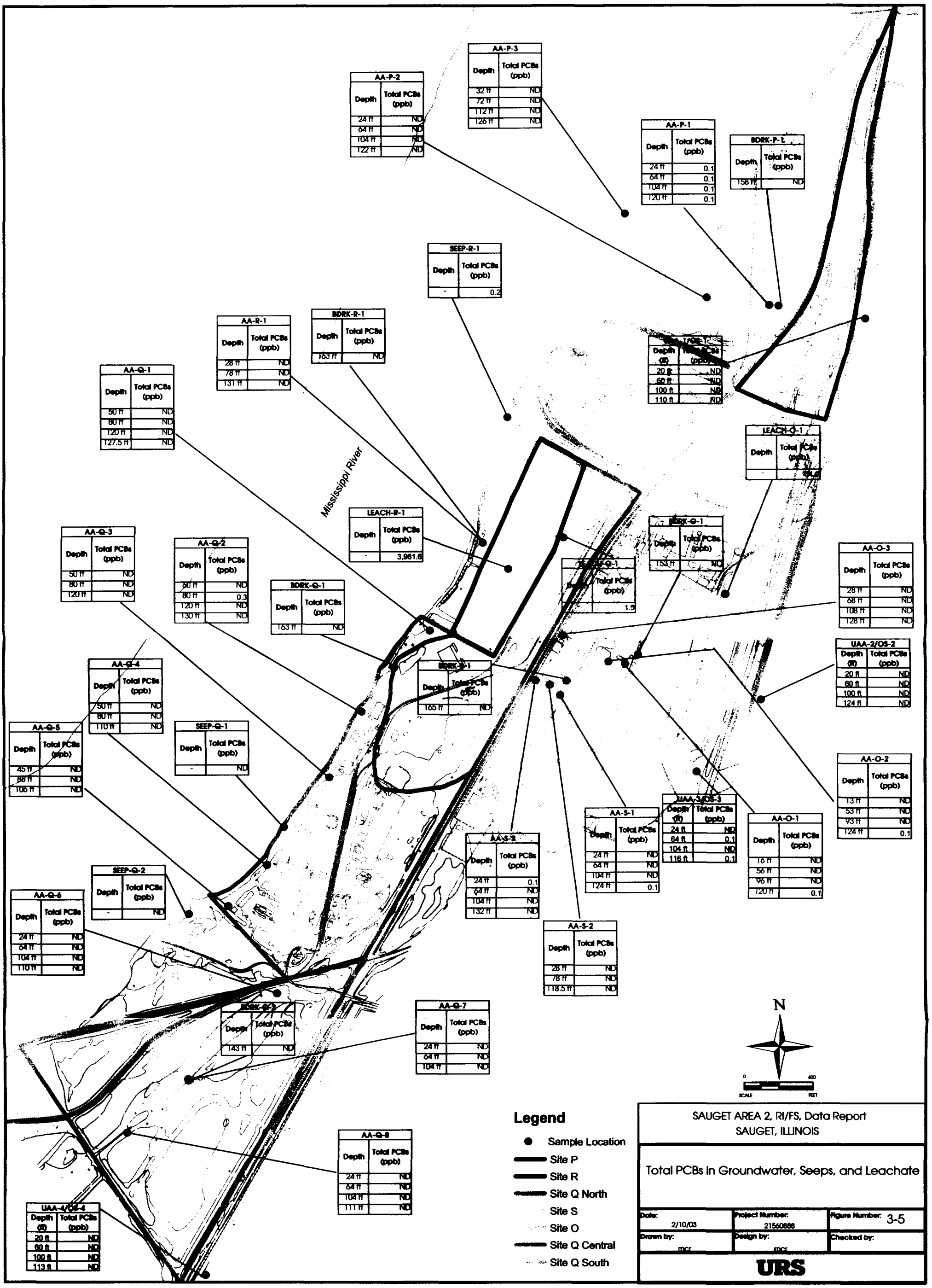


SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

Total Herbicides in Groundwater, Seeps, and Leachate

Date: 2/10/03	Project Number: 21560888	Figure Number: 3-4
Drawn by: mcr	Design by: mcr	Checked by:

URS

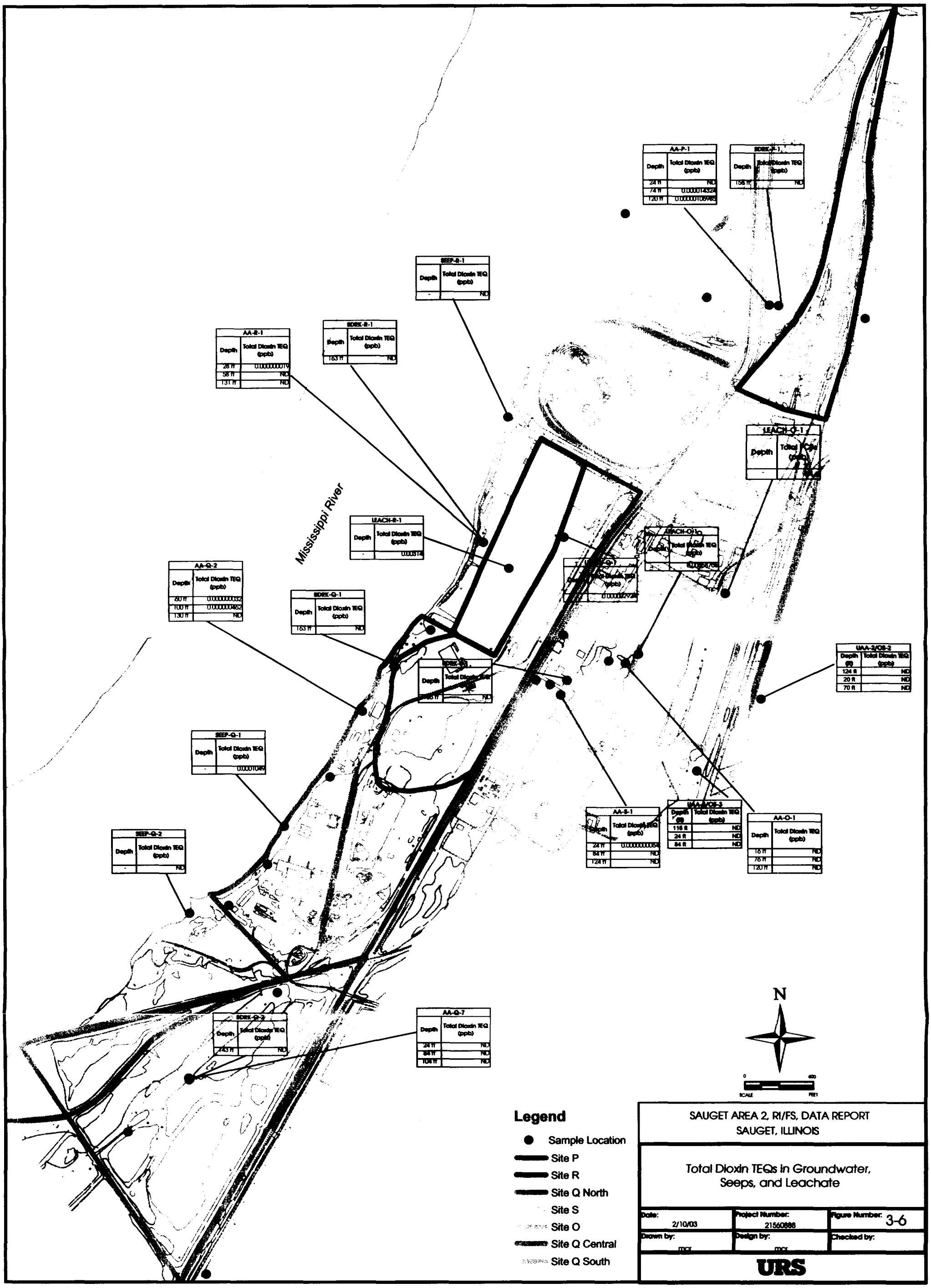


SAUGET AREA 2, RI/FS, Data Report
SAUGET, ILLINOIS

Total PCBs in Groundwater, Seeps, and Leachate

Date: 2/10/03	Project Number: 21560686	Figure Number: 3-5
Drawn by: mcr	Design by: mcr	Checked by:

URS

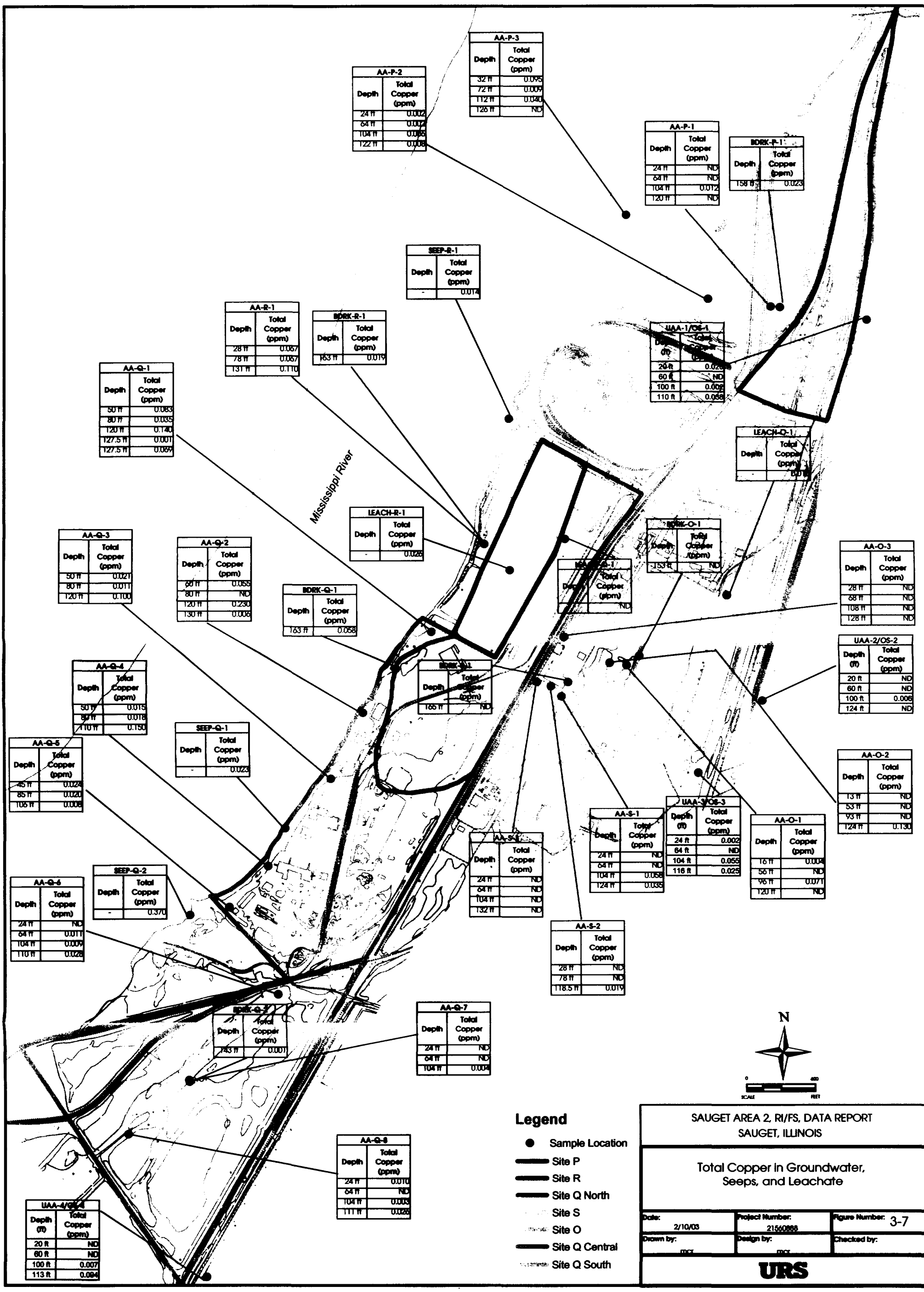


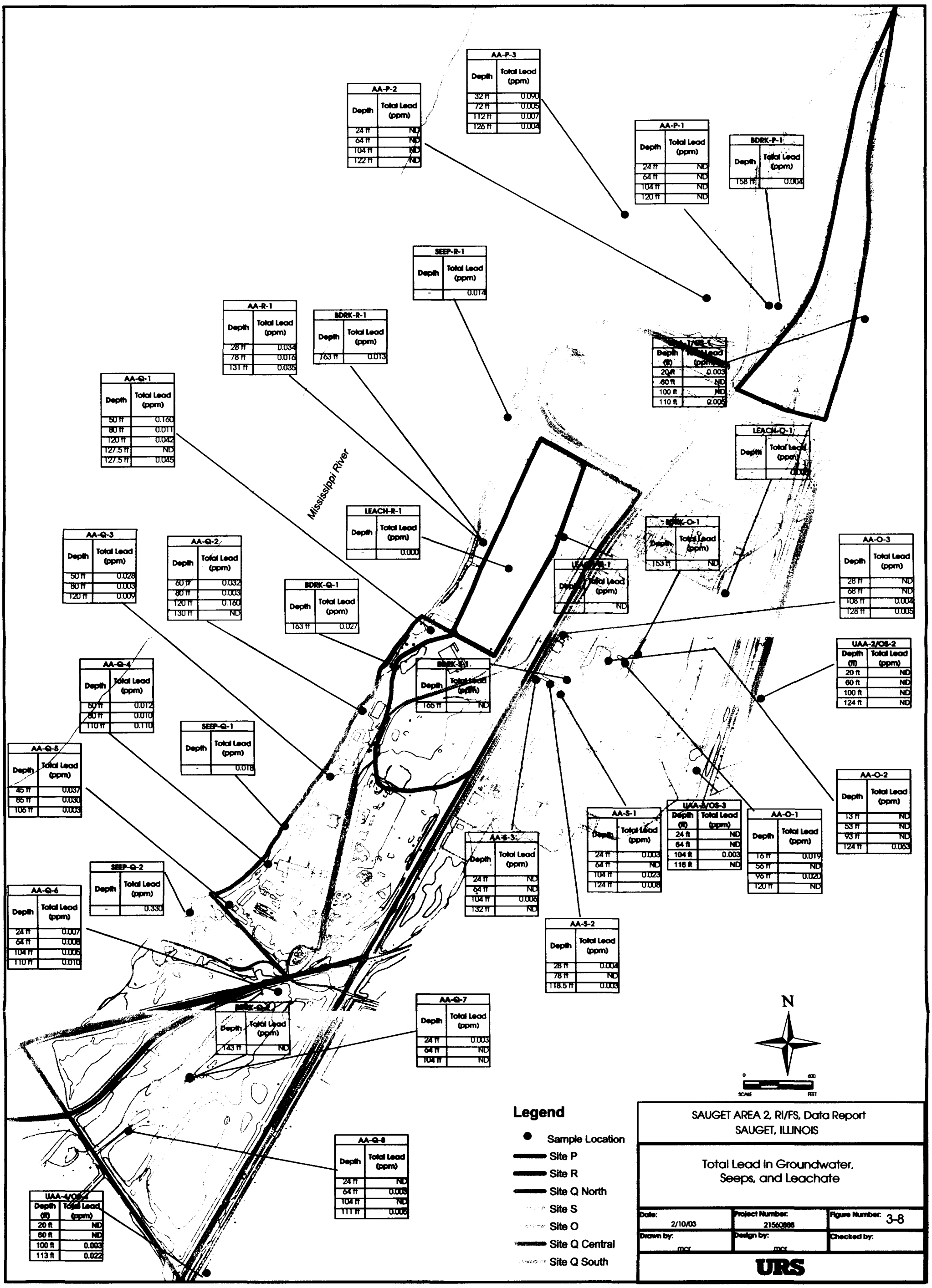
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

Total Dioxin TEQs in Groundwater, Seeps, and Leachate

Date: 2/10/03	Project Number: 21560888	Figure Number: 3-6
Drawn by: mcr	Design by: mcr	Checked by:

URS


AA-P-3
Depth | Total Copper (ppm)
32 ft | 0.095
72 ft | 0.009
112 ft | 0.040
126 ft | ND
AA-P-2
Depth | Total Copper (ppm)
24 ft | 0.002
64 ft | 0.002
104 ft | 0.006
122 ft | 0.008
AA-P-1
Depth | Total Copper (ppm)
24 ft | ND
64 ft | ND
104 ft | 0.012
120 ft | ND
BDRK-P-1
Depth | Total Copper (ppm)
158 ft | 0.023
SEEP-R-1
Depth | Total Copper (ppm)
- | 0.014
AA-R-1
Depth | Total Copper (ppm)
28 ft | 0.067
78 ft | 0.067
131 ft | 0.110
BDRK-R-1
Depth | Total Copper (ppm)
163 ft | 0.019
UAA-1/OS-1
Depth (ft) | Total Copper (ppm)
20 ft | 0.026
60 ft | ND
100 ft | 0.002
110 ft | 0.058
AA-Q-1
Depth | Total Copper (ppm)
50 ft | 0.083
80 ft | 0.035
120 ft | 0.140
127.5 ft | 0.001
127.5 ft | 0.069
LEACH-Q-1
Depth | Total Copper (ppm)
- | ND
Mississippi River
LEACH-R-1
Depth | Total Copper (ppm)
- | 0.026
BDRK-O-1
Depth | Total Copper (ppm)
153 ft | ND
AA-Q-3
Depth | Total Copper (ppm)
50 ft | 0.021
80 ft | 0.011
120 ft | 0.100
AA-Q-2
Depth | Total Copper (ppm)
60 ft | 0.055
80 ft | ND
120 ft | 0.230
130 ft | 0.006
BDRK-Q-1
Depth | Total Copper (ppm)
163 ft | 0.058
Depth | Total Copper (ppm)
- | ND
AA-O-3
Depth | Total Copper (ppm)
28 ft | ND
68 ft | ND
108 ft | ND
128 ft | ND
UAA-2/OS-2
Depth (ft) | Total Copper (ppm)
20 ft | ND
60 ft | ND
100 ft | 0.006
124 ft | ND
AA-Q-4
Depth | Total Copper (ppm)
50 ft | 0.015
80 ft | 0.018
110 ft | 0.150
Depth | Total Copper (ppm)
166 ft | ND
SEEP-Q-1
Depth | Total Copper (ppm)
- | 0.023
AA-Q-5
Depth | Total Copper (ppm)
45 ft | 0.024
85 ft | 0.020
105 ft | 0.008
AA-O-2
Depth | Total Copper (ppm)
13 ft | ND
53 ft | ND
93 ft | ND
124 ft | 0.130
UAA-3/OS-3
Depth (ft) | Total Copper (ppm)
24 ft | 0.002
64 ft | ND
104 ft | 0.055
116 ft | 0.025
AA-S-1
Depth | Total Copper (ppm)
24 ft | ND
64 ft | ND
104 ft | 0.058
124 ft | 0.035
AA-O-1
Depth | Total Copper (ppm)
16 ft | 0.004
56 ft | ND
96 ft | 0.071
120 ft | ND
AA-S-3
Depth | Total Copper (ppm)
24 ft | ND
64 ft | ND
104 ft | ND
132 ft | ND
SEEP-Q-2
Depth | Total Copper (ppm)
- | 0.370
AA-Q-6
Depth | Total Copper (ppm)
24 ft | ND
64 ft | 0.011
104 ft | 0.009
110 ft | 0.028
AA-S-2
Depth | Total Copper (ppm)
28 ft | ND
78 ft | ND
118.5 ft | 0.019
BDRK-Q-2
Depth | Total Copper (ppm)
143 ft | 0.001
AA-Q-7
Depth | Total Copper (ppm)
24 ft | ND
64 ft | ND
104 ft | 0.004
AA-Q-8
Depth | Total Copper (ppm)
24 ft | 0.010
64 ft | ND
104 ft | 0.003
111 ft | 0.026
UAA-4/OS-4
Depth (ft) | Total Copper (ppm)
20 ft | ND
60 ft | ND
100 ft | 0.007
113 ft | 0.094
N
0
400
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Groundwater, Seeps, and Leachate
Date: 2/10/03
Project Number: 21560888
Figure Number: 3-7
Drawn by: mcf
Design by: mcf
Checked by:
URS

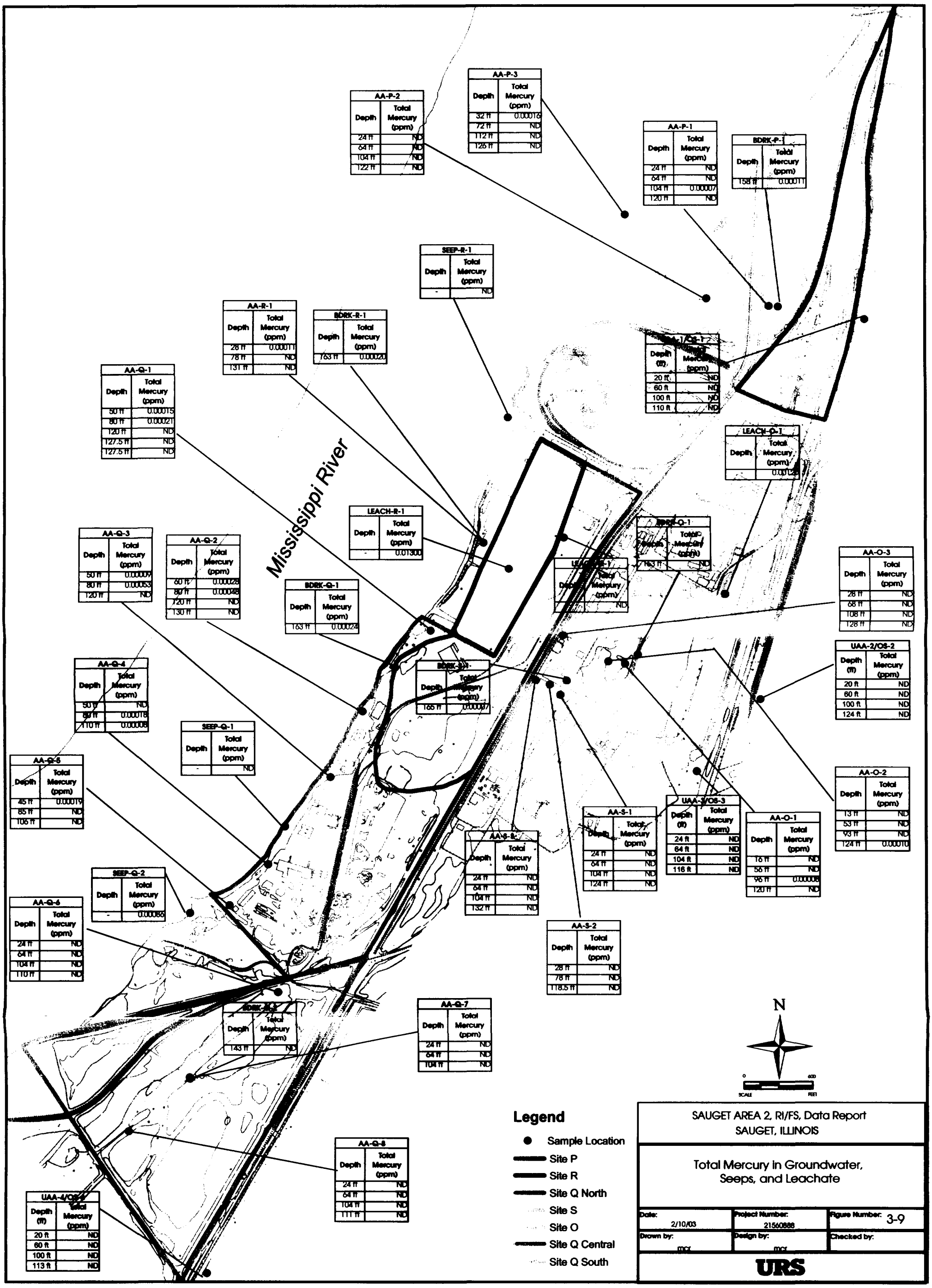


SAUGET AREA 2, RI/FS, Data Report
SAUGET, ILLINOIS

Total Lead in Groundwater, Seeps, and Leachate

Date: 2/10/03	Project Number: 21560888	Figure Number: 3-8
Drawn by: mcr	Design by: mcr	Checked by:

URS

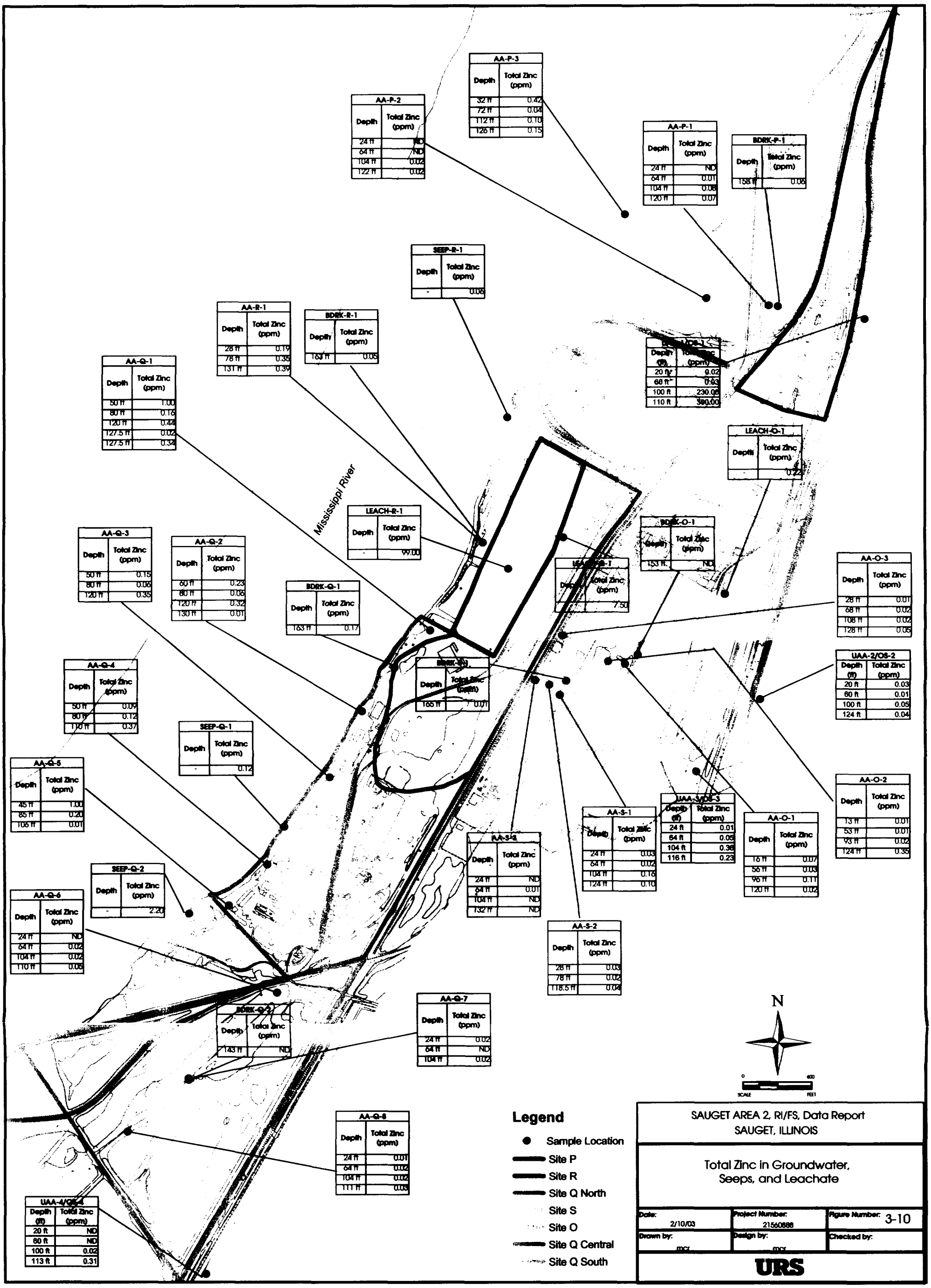


SAUGET AREA 2, RI/FS, Data Report
SAUGET, ILLINOIS

Total Mercury in Groundwater, Seeps, and Leachate

Date: 2/10/03	Project Number: 21560888	Figure Number: 3-9
Drawn by: mcr	Design by: mcr	Checked by:

URS

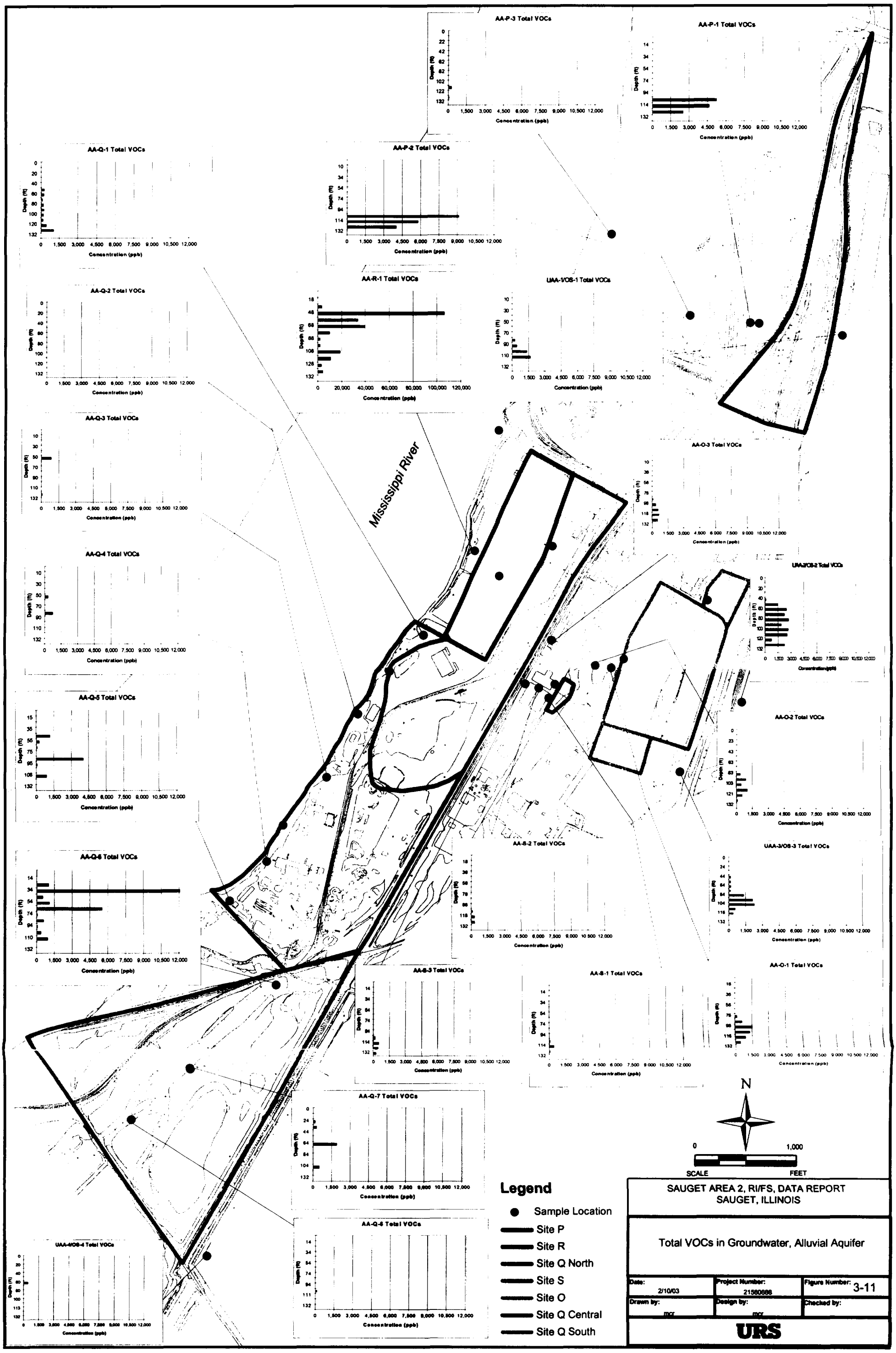


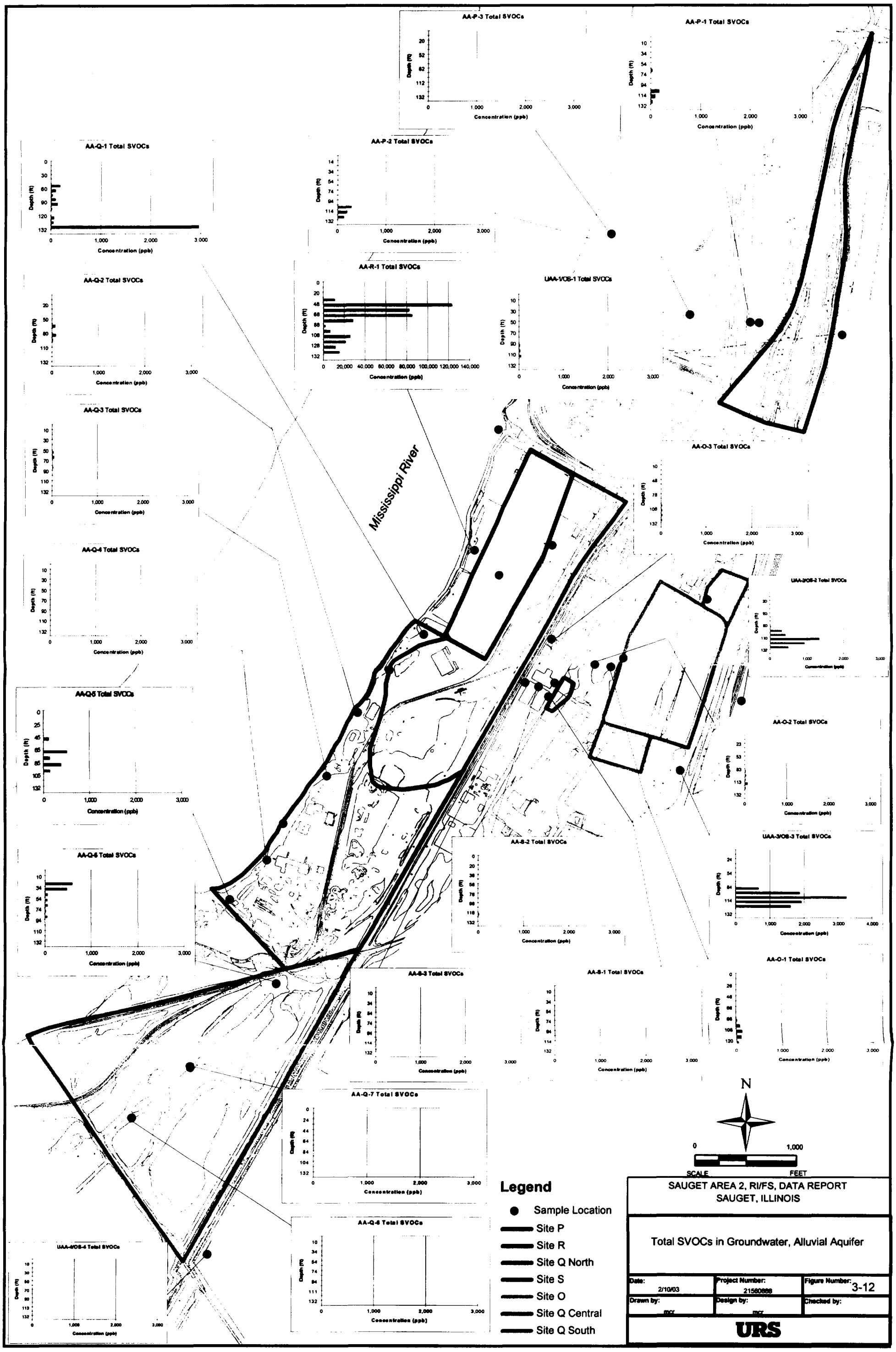
SAUGET AREA 2, RI/FS, Data Report
SAUGET, ILLINOIS

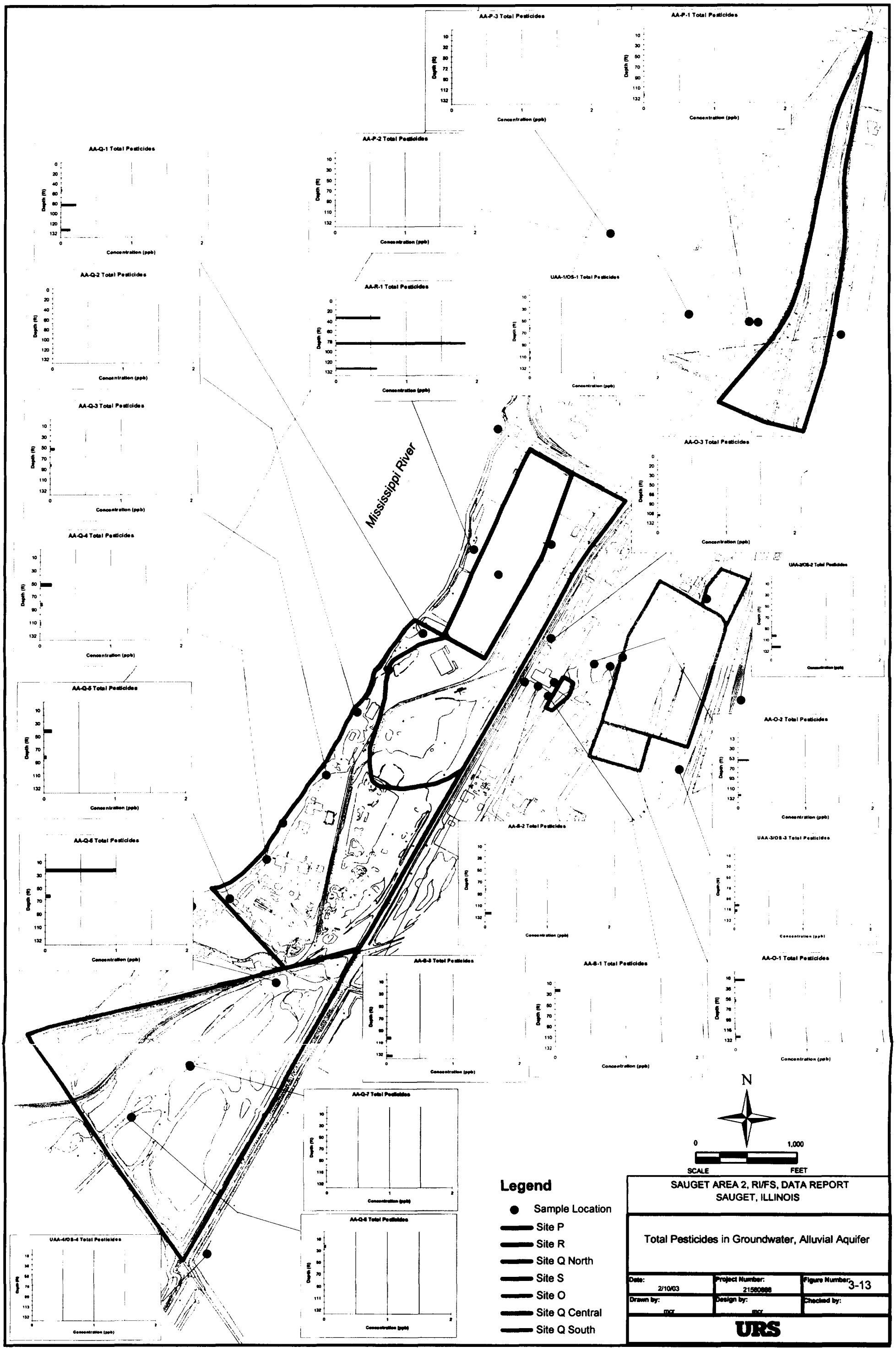
Total Zinc in Groundwater, Seeps, and Leachate

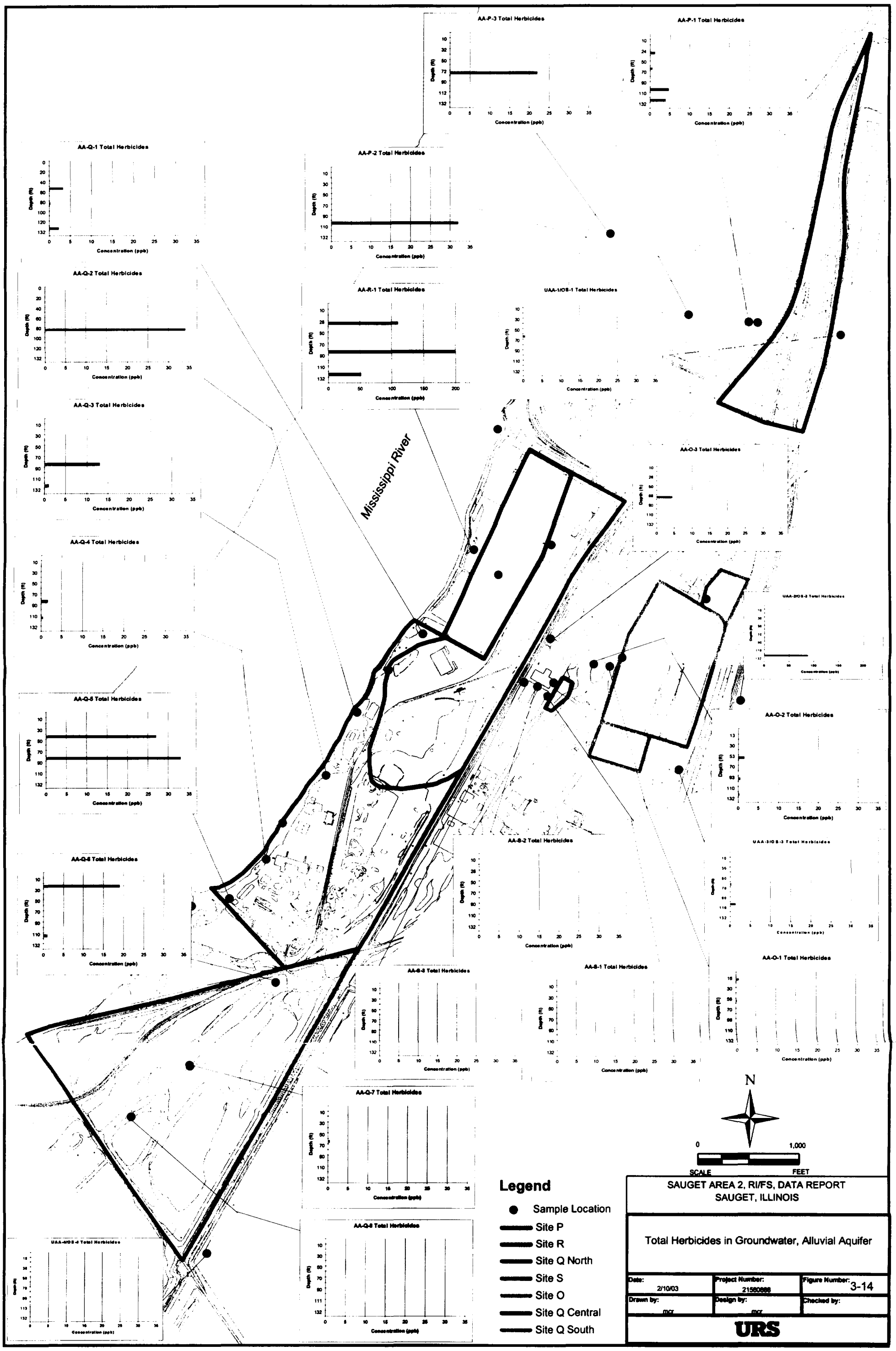
Date: 2/10/03	Project Number: 21560888	Figure Number: 3-10
Drawn by: mcr	Design by: mcr	Checked by:

URS


AA-P-3 Total VOCs
AA-P-1 Total VOCs
AA-Q-1 Total VOCs
AA-P-2 Total VOCs
AA-Q-2 Total VOCs
AA-R-1 Total VOCs
UAA-VOS-1 Total VOCs
AA-Q-3 Total VOCs
Mississippi River
AA-O-3 Total VOCs
AA-Q-4 Total VOCs
UAA-3/OS-2 Total VOCs
AA-Q-5 Total VOCs
AA-O-2 Total VOCs
AA-Q-6 Total VOCs
AA-S-2 Total VOCs
UAA-3/OS-3 Total VOCs
AA-O-1 Total VOCs
AA-S-3 Total VOCs
AA-S-1 Total VOCs
AA-Q-7 Total VOCs
AA-Q-8 Total VOCs
UAA-4/OS-4 Total VOCs
Depth (ft)
Concentration (ppb)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total VOCs in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560666
Figure Number: 3-11
Drawn by: mcr
Design by: mcr
Checked by:
URS


AA-P-3 Total SVOCs
AA-P-1 Total SVOCs
AA-Q-1 Total SVOCs
AA-P-2 Total SVOCs
AA-R-1 Total SVOCs
UAA-1/OS-1 Total SVOCs
AA-Q-2 Total SVOCs
AA-Q-3 Total SVOCs
AA-O-3 Total SVOCs
Mississippi River
AA-Q-4 Total SVOCs
UAA-3/OS-2 Total SVOCs
AA-Q-5 Total SVOCs
AA-O-2 Total SVOCs
AA-Q-6 Total SVOCs
AA-S-2 Total SVOCs
UAA-3/OS-3 Total SVOCs
AA-S-3 Total SVOCs
AA-S-1 Total SVOCs
AA-O-1 Total SVOCs
AA-Q-7 Total SVOCs
AA-Q-8 Total SVOCs
UAA-4/OS-4 Total SVOCs
Depth (ft)
Concentration (ppb)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560668
Figure Number: 3-12
Drawn by: mcr
Design by: mcr
Checked by:
URS


AA-P-3 Total Pesticides
AA-P-1 Total Pesticides
AA-P-2 Total Pesticides
AA-Q-1 Total Pesticides
AA-Q-2 Total Pesticides
AA-R-1 Total Pesticides
UAA-1/OS-1 Total Pesticides
AA-Q-3 Total Pesticides
AA-O-3 Total Pesticides
Mississippi River
AA-Q-4 Total Pesticides
UAA-3/OS-2 Total Pesticides
AA-Q-5 Total Pesticides
AA-O-2 Total Pesticides
AA-Q-6 Total Pesticides
AA-S-2 Total Pesticides
UAA-3/OS-3 Total Pesticides
AA-S-3 Total Pesticides
AA-S-1 Total Pesticides
AA-O-1 Total Pesticides
AA-Q-7 Total Pesticides
AA-Q-8 Total Pesticides
UAA-4/OS-4 Total Pesticides
Concentration (ppb)
Depth (ft)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560898
Figure Number: 3-13
Drawn by: mcr
Design by: mcr
Checked by:
URS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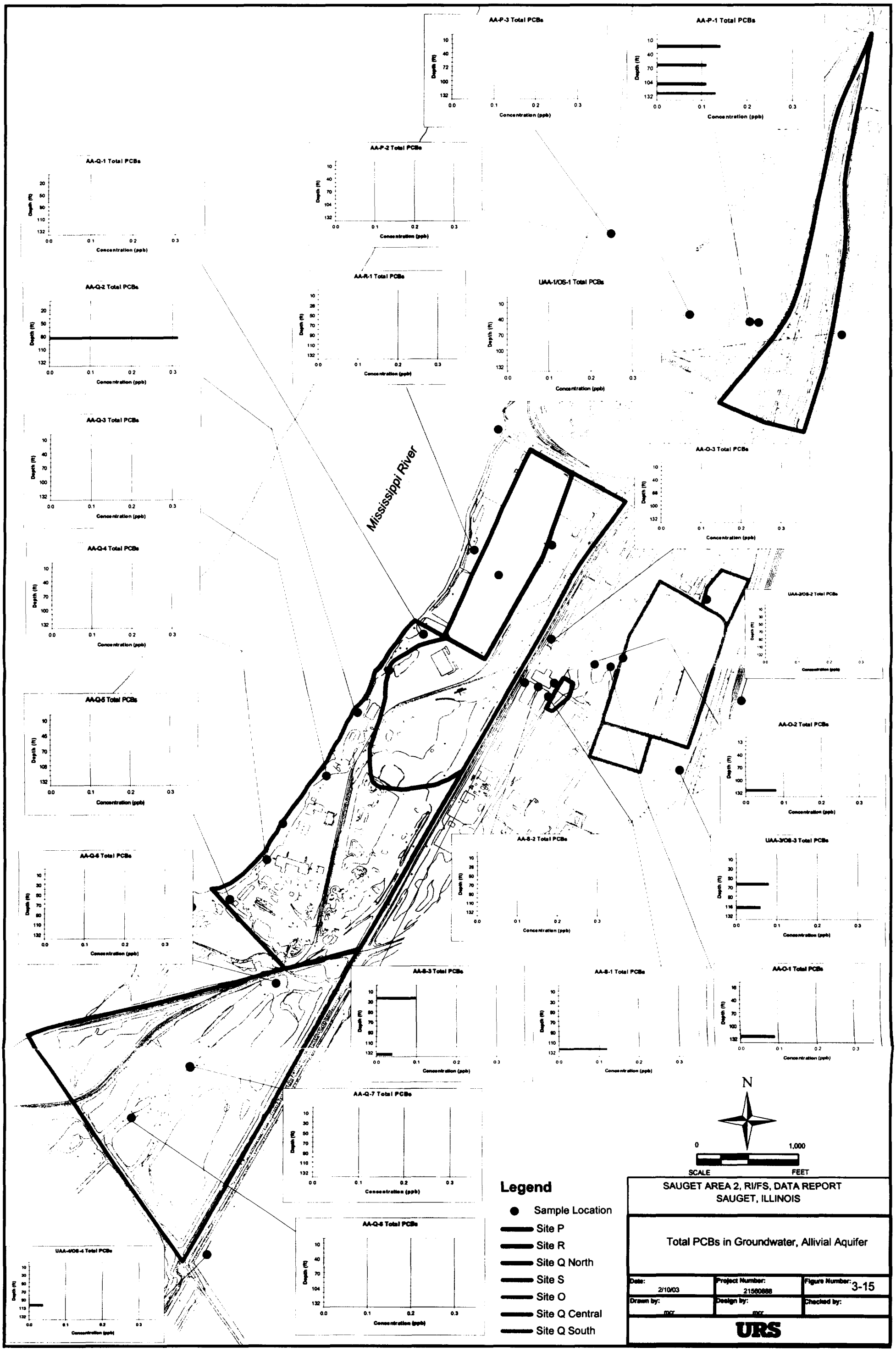
AA-P-1 Total Herbicides
AA-Q-1 Total Herbicides
AA-P-2 Total Herbicides
AA-Q-2 Total Herbicides
AA-R-1 Total Herbicides
UAA-1/OS-1 Total Herbicides
AA-Q-3 Total Herbicides
Mississippi River
AA-O-3 Total Herbicides
AA-Q-4 Total Herbicides
UAA-2/OS-2 Total Herbicides
AA-Q-5 Total Herbicides
AA-O-2 Total Herbicides
AA-S-2 Total Herbicides
UAA-3/OS-3 Total Herbicides
AA-Q-6 Total Herbicides
AA-O-1 Total Herbicides
AA-S-1 Total Herbicides
AA-S-3 Total Herbicides
AA-Q-7 Total Herbicides
AA-Q-8 Total Herbicides
UAA-4/OS-4 Total Herbicides
Depth (ft)
Concentration (ppb)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560668
Figure Number: 3-14
Drawn by: mcr
Design by: mcr
Checked by:
URS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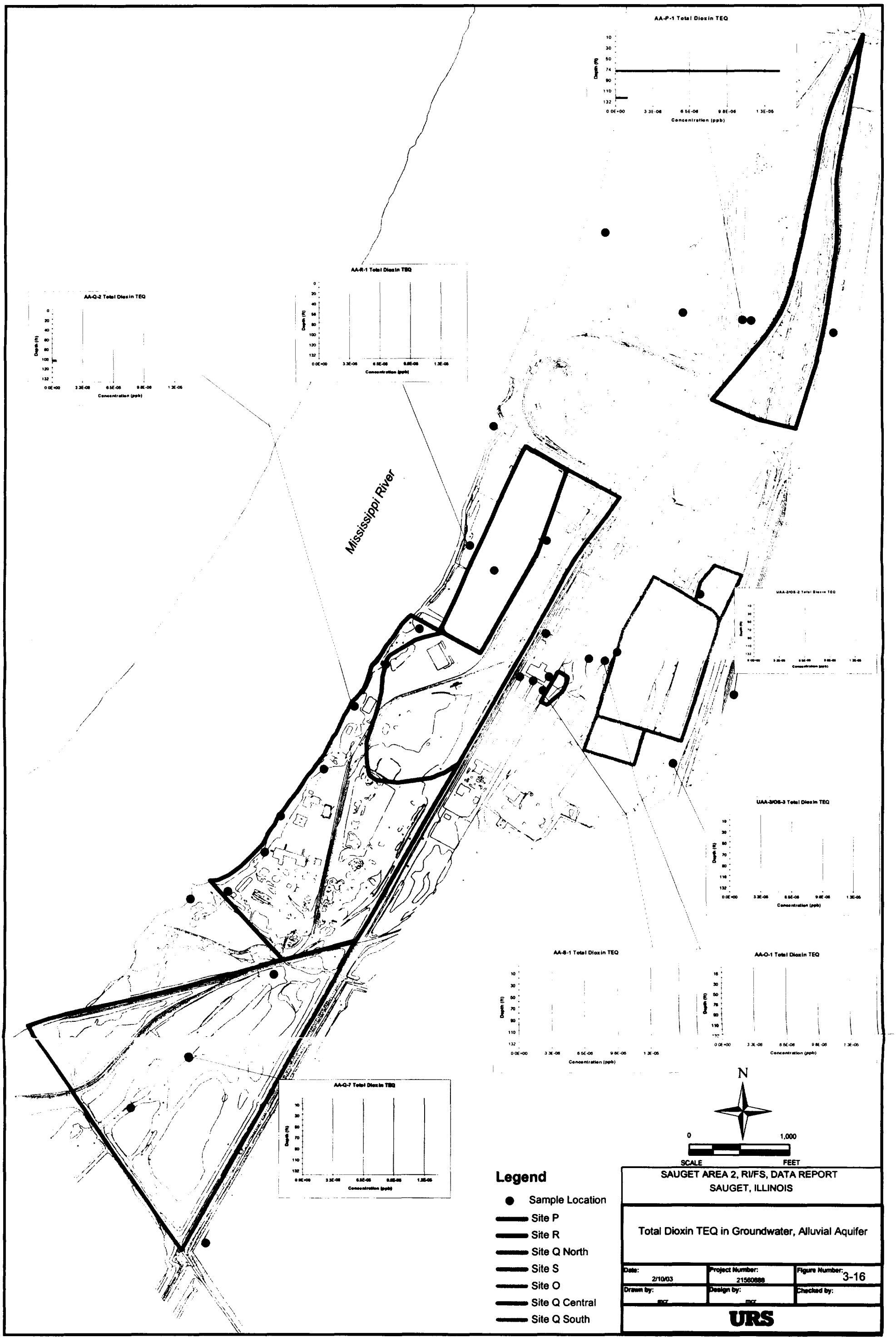
AA-P-1 Total PCBs
AA-P-2 Total PCBs
AA-Q-1 Total PCBs
AA-R-1 Total PCBs
AA-Q-2 Total PCBs
UAA-1/OS-1 Total PCBs
AA-Q-3 Total PCBs
Mississippi River
AA-O-3 Total PCBs
AA-Q-4 Total PCBs
UAA-3/OS-2 Total PCBs
AA-Q-5 Total PCBs
AA-O-2 Total PCBs
AA-Q-6 Total PCBs
AA-S-2 Total PCBs
UAA-3/OS-3 Total PCBs
AA-S-3 Total PCBs
AA-S-1 Total PCBs
AA-O-1 Total PCBs
AA-Q-7 Total PCBs
AA-Q-8 Total PCBs
UAA-4/OS-4 Total PCBs
Depth (ft)
Concentration (ppb)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Groundwater, Allivial Aquifer
Date: 2/10/03
Project Number: 21560888
Figure Number: 3-15
Drawn by: mcr
Design by: mcr
Checked by:
URS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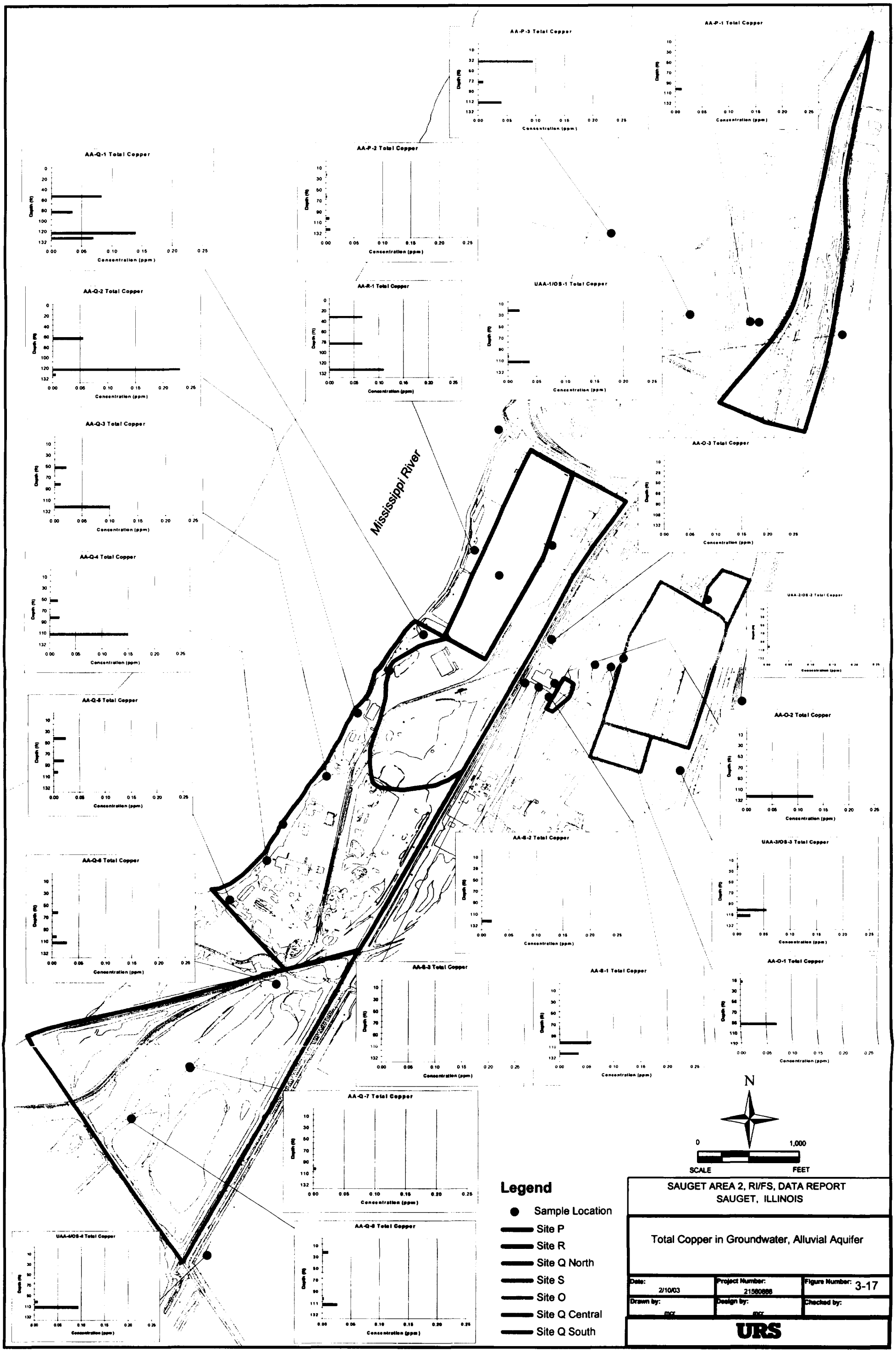
AA-R-1 Total Dioxin TEQ
AA-Q-2 Total Dioxin TEQ
Mississippi River
UAA-3/OS-2 Total Dioxin TEQ
UAA-3/OS-3 Total Dioxin TEQ
AA-S-1 Total Dioxin TEQ
AA-O-1 Total Dioxin TEQ
AA-Q-7 Total Dioxin TEQ
Depth (ft)
Concentration (ppb)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQ in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560688
Figure Number: 3-16
Drawn by:
Design by:
Checked by:
URS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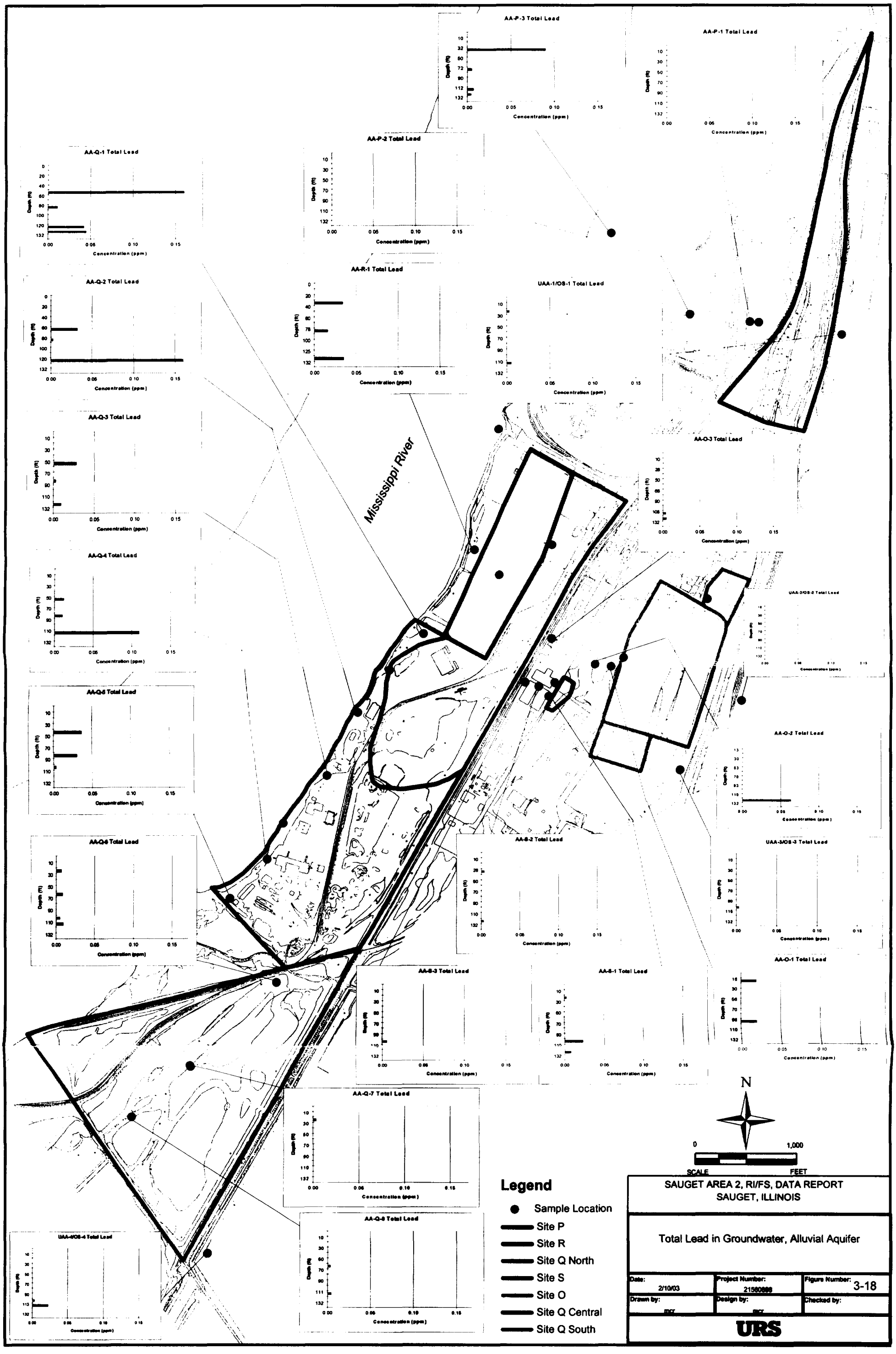
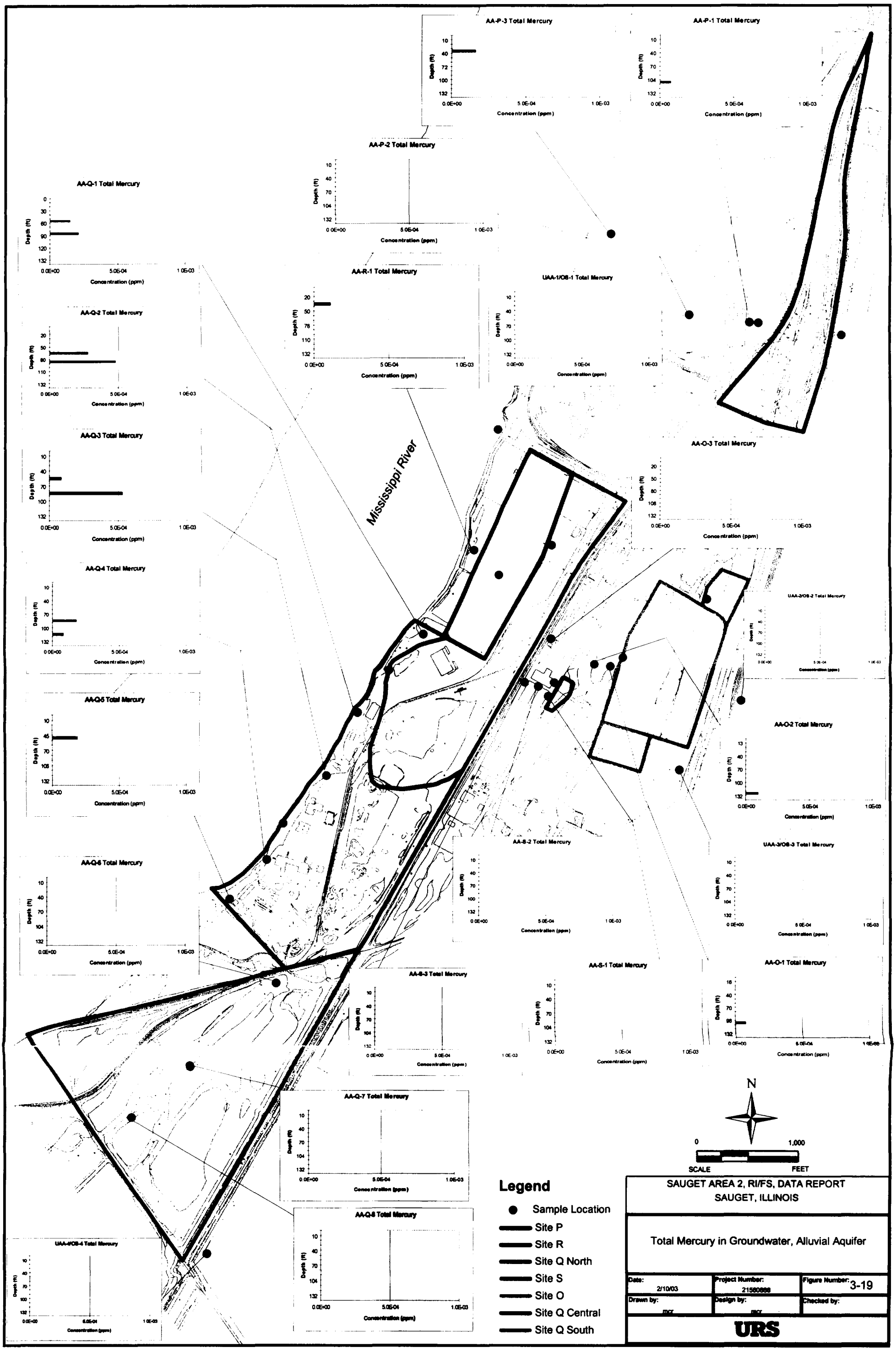
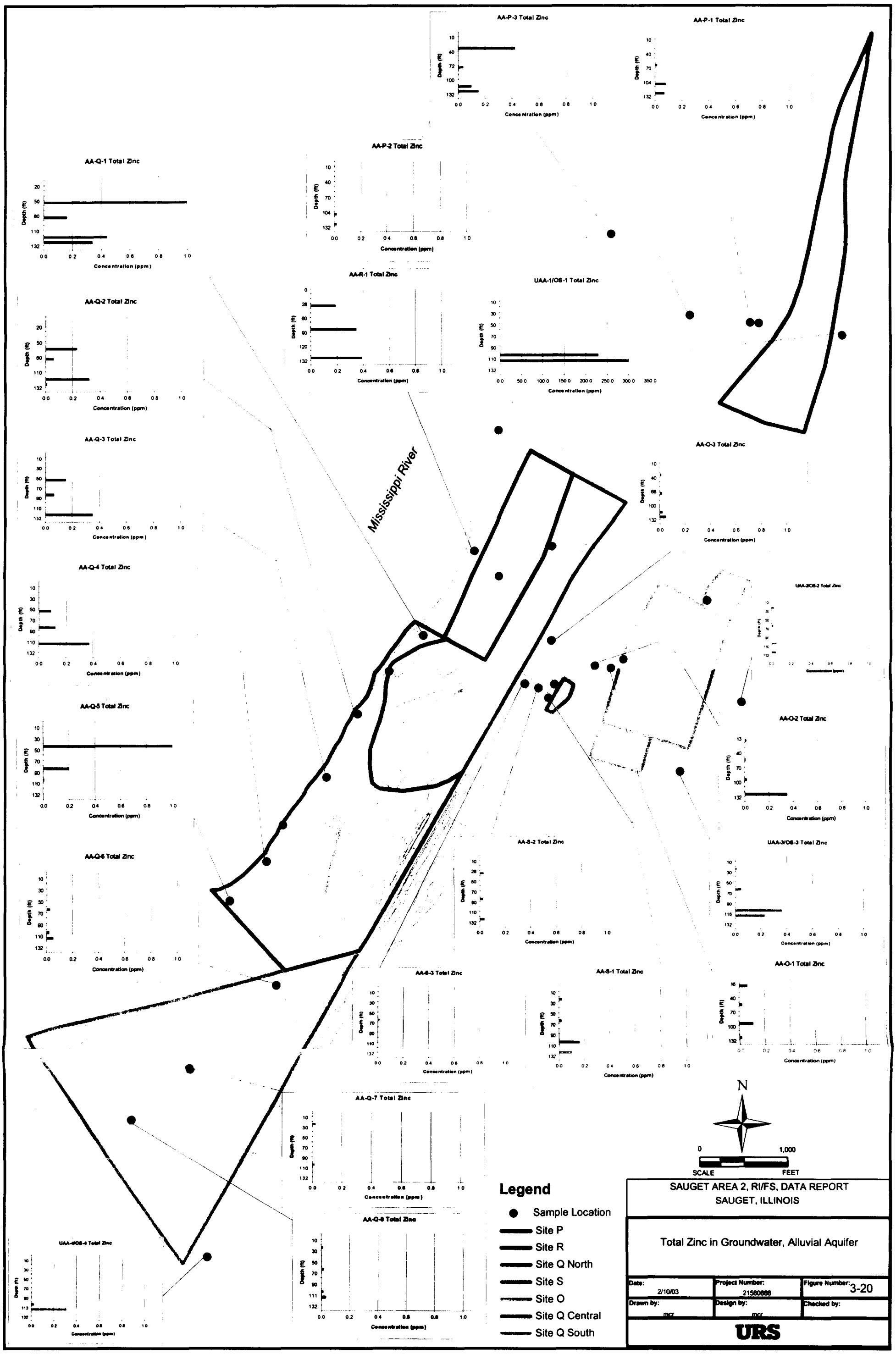
AA-P-1 Total Copper
AA-Q-1 Total Copper
AA-P-2 Total Copper
AA-Q-2 Total Copper
AA-R-1 Total Copper
UAA-1/OS-1 Total Copper
AA-Q-3 Total Copper
AA-O-3 Total Copper
Mississippi River
AA-Q-4 Total Copper
UAA-2/OS-2 Total Copper
AA-Q-5 Total Copper
AA-O-2 Total Copper
AA-Q-6 Total Copper
AA-S-2 Total Copper
UAA-3/OS-3 Total Copper
AA-S-3 Total Copper
AA-S-1 Total Copper
AA-O-1 Total Copper
AA-Q-7 Total Copper
AA-Q-8 Total Copper
UAA-4/OS-4 Total Copper
Depth (ft)
Concentration (ppm)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560666
Figure Number: 3-17
Drawn by: mcr
Design by: mcr
Checked by:
URS


AA-P-3 Total Lead
AA-P-1 Total Lead
AA-P-2 Total Lead
AA-Q-1 Total Lead
AA-R-1 Total Lead
UAA-1/OS-1 Total Lead
AA-Q-2 Total Lead
AA-Q-3 Total Lead
AA-O-3 Total Lead
Mississippi River
AA-Q-4 Total Lead
UAA-2/OS-2 Total Lead
AA-Q-5 Total Lead
AA-O-2 Total Lead
AA-Q-6 Total Lead
AA-S-2 Total Lead
UAA-3/OS-3 Total Lead
AA-O-1 Total Lead
AA-S-3 Total Lead
AA-S-1 Total Lead
AA-Q-7 Total Lead
AA-Q-8 Total Lead
UAA-4/OS-4 Total Lead
Depth (ft)
Concentration (ppm)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560000
Figure Number: 3-18
Drawn by: mcr
Design by: mcr
Checked by:
URS


AA-P-3 Total Mercury
AA-P-1 Total Mercury
AA-P-2 Total Mercury
AA-Q-1 Total Mercury
AA-R-1 Total Mercury
UAA-1/OB-1 Total Mercury
AA-Q-2 Total Mercury
AA-Q-3 Total Mercury
AA-O-3 Total Mercury
Mississippi River
AA-Q-4 Total Mercury
UAA-2/OB-2 Total Mercury
AA-Q-5 Total Mercury
AA-O-2 Total Mercury
AA-Q-6 Total Mercury
AA-S-2 Total Mercury
UAA-3/OB-3 Total Mercury
AA-S-1 Total Mercury
AA-O-1 Total Mercury
AA-S-3 Total Mercury
AA-Q-7 Total Mercury
AA-Q-8 Total Mercury
UAA-4/OB-4 Total Mercury
Depth (ft)
Concentration (ppm)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560666
Figure Number: 3-19
Drawn by: mcr
Design by: mcr
Checked by:
URS


AA-P-3 Total Zinc
AA-P-1 Total Zinc
AA-P-2 Total Zinc
AA-Q-1 Total Zinc
AA-R-1 Total Zinc
UAA-1/OS-1 Total Zinc
AA-Q-2 Total Zinc
AA-Q-3 Total Zinc
AA-O-3 Total Zinc
Mississippi River
AA-Q-4 Total Zinc
UAA-3/OS-2 Total Zinc
AA-Q-5 Total Zinc
AA-O-2 Total Zinc
AA-Q-6 Total Zinc
AA-S-2 Total Zinc
UAA-3/OS-3 Total Zinc
AA-S-3 Total Zinc
AA-S-1 Total Zinc
AA-O-1 Total Zinc
AA-Q-7 Total Zinc
AA-Q-8 Total Zinc
UAA-4/OS-4 Total Zinc
Depth (ft)
Concentration (ppm)
N
0
1,000
SCALE
FEET
Legend
Sample Location
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Groundwater, Alluvial Aquifer
Date: 2/10/03
Project Number: 21560668
Figure Number: 3-20
Drawn by: mcr
Design by: mcr
Checked by:
URS

Section 4

Table 4-1
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5FT 07/01/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg	SOIL-OS-4-0.5FT 08/15/02 ug/kg
1,1,1-Trichloroethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,1,2,2-Tetrachloroethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,1,2-Trichloroethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,1-Dichloroethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,1-Dichloroethylene	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,2-Dichloroethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
1,2-Dichloroethene (total)	850 UJ	20 U	11 U	8.7 U	12 U	15 U	11 U	18 U
1,2-Dichloropropane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
2-Butanone (MEK)	2100 UJ	49 U	17 J	22 U	29 U	37 U	28 U	45 U
4-Methyl-2-pentanone (MIBK)	2100 UJ	49 U	28 U	22 U	29 U	37 U	28 U	45 U
Acetone	NR	98 U	130	43 U	58 U	75 U	55 U	91 U
Benzene	590 J	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Bromodichloromethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Bromoform	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Bromomethane	850 UJ	20 U	11 U	8.7 UJ	12 UJ	15 UJ	11 UJ	18 UJ
Carbon Disulfide	180 J	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Carbon Tetrachloride	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Chlorobenzene	5800 J	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Chlorodibromomethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Chloroethane	850 UJ	20 U	11 U	8.7 U	12 U	15 U	11 U	18 U
Chloroform	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Chloromethane	850 UJ	20 U	11 U	8.7 UJ	12 UJ	15 UJ	0.45 J	18 UJ
cis-1,3-Dichloropropene	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Dichloromethane	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Ethylbenzene	4400 J	0.38 J	5.6 U	0.58 J	5.8 U	0.45 J	0.57 J	9.1 U
Methyl N-Butyl Ketone	2100 UJ	49 U	28 U	22 U	29 U	37 U	28 U	45 U
Styrene (Monomer)	420 UJ	9.8 U	5.6 U	3 J	5.8 U	0.76 J	1.3 J	9.1 U
Tetrachloroethene	290 J	1 J	5.6 U	0.44 J	5.8 U	7.5 U	5.5 U	9.1 U
Toluene	870 J	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
trans-1,3-Dichloropropene	420 UJ	9.8 U	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Trichloroethylene	420 UJ	0.58 J	5.6 U	4.3 U	5.8 U	7.5 U	5.5 U	9.1 U
Vinyl chloride	850 UJ	20 U	11 U	8.7 U	12 U	15 U	11 U	18 U
Xylenes, Total	80000 J	1.3 J	11 U	0.77 J	12 U	1.1 J	0.54 J	18 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-1
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg
1,1,1-Trichloroethane	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,1,2,2-Tetrachloroethane	9.1 UJ	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,1,2-Trichloroethane	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,1-Dichloroethane	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,1-Dichloroethylene	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,2-Dichloroethane	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
1,2-Dichloroethene (total)	18 UJ	14 U	28 UJ	19 U	11 U	18 U	17 U	25 U	21 U
1,2-Dichloropropane	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
2-Butanone (MEK)	7.1 J	36 U	70 U	47 U	1.5 J	45 U	42 U	62 U	52 U
4-Methyl-2-pentanone (MIBK)	21 J	36 U	17 J	47 U	29 U	45 U	42 U	4.3 J	3 J
Acetone	91 U	71 U	140 U	95 U	57 U	91 U	85 U	120 U	100 U
Benzene	3.8 J	7.1 U	9.4 J	9.5 U	5.7 U	9.1 U	8.5 U	5.7 J	10 U
Bromodichloromethane	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Bromoform	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Bromomethane	18 U	14 U	28 U	19 U	11 U	18 U	17 U	25 U	21 U
Carbon Disulfide	1.4 J	7.1 U	1.4 J	9.5 UJ	5.7 U	9.1 U	8.5 U	12 U	10 U
Carbon Tetrachloride	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Chlorobenzene	4 J	7.1 U	14 UJ	9.5 U	0.52 J	9.1 U	8.5 U	45 J	10 J
Chlorodibromomethane	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Chloroethane	18 U	14 U	28 U	19 U	11 U	18 U	17 U	25 U	21 U
Chloroform	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	1.8 J	10 U
Chloromethane	18 U	14 U	28 U	19 U	11 U	18 U	17 U	25 U	21 U
cis-1,3-Dichloropropene	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Dichloromethane	9.1 U	7.1 U	14 U	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Ethylbenzene	2.4 J	0.26 J	14 UJ	9.5 U	0.19 J	9.1 U	8.5 U	5 J	21
Methyl N-Butyl Ketone	5.9 J	36 U	70 U	47 U	29 U	45 U	42 U	62 U	52 U
Styrene (Monomer)	9.1 UJ	0.34 J	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Tetrachloroethene	6 J	3.1 J	1.9 J	9.5 U	5.7 U	0.6 J	0.47 J	0.96 J	10 U
Toluene	32 J	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
trans-1,3-Dichloropropene	9.1 UJ	7.1 U	14 UJ	9.5 U	5.7 U	9.1 U	8.5 U	12 U	10 U
Trichloroethylene	1.5 J	0.79 J	14 UJ	9.5 U	0.71 J	1.2 J	1.3 J	12 U	10 U
Vinyl chloride	18 U	14 U	28 U	19 U	11 U	18 U	17 U	25 U	21 U
Xylenes, Total	8.6 UJ	0.97 J	28 UJ	19 U	0.66 J	0.85 J	0.93 J	67 J	250 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-1
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID	SOIL-Q-12-0.5	SOIL-Q-13-0.5	SOIL-Q-13-0.5FT	SOIL-Q-14-0.5	SOIL-Q-15-0.5	SOIL-Q-16-0.5	SOIL-Q-17-0.5	SOIL-Q-18-0.5	SOIL-Q-19-0.5
Sample Date	07/22/02	10/07/02	08/15/02	10/07/02	10/07/02	10/07/02	10/07/02	10/07/02	10/07/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,1,1-Trichloroethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,1,2,2-Tetrachloroethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,1,2-Trichloroethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,1-Dichloroethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,1-Dichloroethylene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,2-Dichloroethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
1,2-Dichloroethene (total)	12 U	14 U	11 U	12 U	15 U	12 U	13 U	14 U	12 U
1,2-Dichloropropane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
2-Butanone (MEK)	31 U	35 U	28 U	31 U	2.3 J	11 J	14 J	6.4 J	4.6 J
4-Methyl-2-pentanone (MIBK)	31 U	35 U	28 U	31 U	38 U	7.5 J	5.8 J	34 U	29 U
Acetone	62 U	70 U	56 U	62 U	20 J	150 J	180 J	91	60 U
Benzene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	1.8 J	1.5 J	2.4 J	5.8 U
Bromodichloromethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Bromoform	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Bromomethane	12 U	14 U	11 UJ	12 U	15 U	12 U	13 U	14 U	12 U
Carbon Disulfide	6.2 U	7 U	5.6 U	6.2 U	7.5 U	2.7 J	4.5 J	4.8 J	5.8 U
Carbon Tetrachloride	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Chlorobenzene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	0.67 J	0.36 J	5.8 U
Chlorodibromomethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Chloroethane	12 U	14 U	11 U	12 U	15 U	12 U	13 U	14 U	12 U
Chloroform	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Chloromethane	12 U	14 U	11 UJ	12 U	15 U	12 U	13 U	14 U	12 U
cis-1,3-Dichloropropene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Dichloromethane	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Ethylbenzene	6.2 U	7 U	5.6 U	0.5 J	0.23 J	0.74 J	0.71 J	0.52 J	0.45 J
Methyl N-Butyl Ketone	31 U	35 U	28 U	31 U	5.7 J	150	190	26 J	25 J
Styrene (Monomer)	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Tetrachloroethene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Toluene	6.2 U	1.2 J	5.6 U	1.8 J	1.3 J	5.3 J	3.4 J	4.2 J	1 J
trans-1,3-Dichloropropene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Trichloroethylene	6.2 U	7 U	5.6 U	6.2 U	7.5 U	6.1 U	6.4 U	6.8 U	5.8 U
Vinyl chloride	12 U	14 U	11 U	12 U	15 U	12 U	13 U	14 U	12 U
Xylenes, Total	12 U	0.74 J	11 U	2.6 J	0.8 J	2.4 J	1.7 J	0.78 J	0.56 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-1
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg
1,1,1-Trichloroethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,1,2,2-Tetrachloroethane	9.5 UJ	7.3 U	5.7 U	7.2 UJ	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,1,2-Trichloroethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,1-Dichloroethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,1-Dichloroethylene	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,2-Dichloroethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
1,2-Dichloroethene (total)	19 UJ	15 U	11 U	14 U	16 UJ	11 U	16 U	28 U	14 U
1,2-Dichloropropane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
2-Butanone (MEK)	47 UJ	24 J	28 U	36 U	41 U	6.2 J	11 J	38 J	9.6 J
4-Methyl-2-pentanone (MIBK)	47 UJ	7.3 J	28 U	36 U	41 UJ	28 U	8.4 J	12 J	34 U
Acetone	95 UJ	260 J	23 J	72 U	83 UJ	23 J	61 J	910 J	68 J
Benzene	9.5 UJ	1.5 J	5.7 U	7.2 U	0.76 J	5.6 U	3.7 J	12 J	6.8 U
Bromodichloromethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Bromoform	9.5 UJ	7.3 U	5.7 U	7.2 UJ	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Bromomethane	19 UJ	15 U	11 U	14 U	16 UJ	11 U	16 U	28 U	14 U
Carbon Disulfide	9.5 UJ	4 J	0.84 J	7.2 U	2.8 J	1.3 J	5.6 J	5.2 J	0.87 J
Carbon Tetrachloride	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Chlorobenzene	9.5 UJ	1.1 J	5.7 U	7.2 UJ	8.3 UJ	1.3 J	42 J	220 J	1.6 J
Chlorodibromomethane	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Chloroethane	19 UJ	15 U	11 U	14 U	16 UJ	11 U	16 U	28 U	14 U
Chloroform	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Chloromethane	19 UJ	15 U	11 U	14 U	16 UJ	11 U	16 U	28 U	14 U
cis-1,3-Dichloropropene	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Dichloromethane	9.5 UJ	3.6 J	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Ethylbenzene	9.5 UJ	0.48 J	5.7 U	0.34 J	8.3 UJ	0.53 J	25 J	45 J	0.31 J
Methyl N-Butyl Ketone	47 UJ	120	28 U	3.1 J	41 UJ	28 U	41 U	69 U	34 U
Styrene (Monomer)	9.5 UJ	7.3 U	5.7 U	7.2 UJ	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Tetrachloroethene	2.4 J	7.3 U	0.44 J	1.5 J	2.8 J	0.46 J	3.6 J	3.2 J	0.41 J
Toluene	9.5 UJ	18	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
trans-1,3-Dichloropropene	9.5 UJ	7.3 U	5.7 U	7.2 U	8.3 UJ	5.6 U	8.3 U	14 U	6.8 U
Trichloroethylene	1.5 J	7.3 U	0.49 J	1.2 J	8.3 UJ	0.54 J	1 J	1 J	0.97 J
Vinyl chloride	19 UJ	15 U	11 U	14 U	16 UJ	11 U	16 U	28 U	14 U
Xylenes, Total	2.2 J	1.8 J	0.39 J	1.8 J	16 UJ	2.2 J	180	170	1.2 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-1
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-9-0.5 07/26/02 ug/kg	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
1,1,1-Trichloroethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
1,1,2,2-Tetrachloroethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
1,1,2-Trichloroethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
1,1-Dichloroethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	0.66 J
1,1-Dichloroethylene	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
1,2-Dichloroethane	7.6 U	7.1 U	5.5 U	2.6 J	1.5 J	5.4 U	6.8 U
1,2-Dichloroethene (total)	15 U	14 U	11 U	0.94 J	11 U	11 U	14 U
1,2-Dichloropropane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
2-Butanone (MEK)	38 U	15 J	3.1 J	16 J	15 J	27 U	2.4 J
4-Methyl-2-pentanone (MIBK)	38 U	35 U	28 U	10 J	27 U	27 U	34 U
Acetone	76 U	130	11 J	150	98	14 J	68 U
Benzene	7.6 U	0.68 J	2.1 J	1.4 J	1.6 J	5.4 U	6.8 U
Bromodichloromethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Bromoform	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Bromomethane	15 U	14 U	11 U	13 U	11 U	11 U	14 U
Carbon Disulfide	0.66 J	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Carbon Tetrachloride	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Chlorobenzene	7.6 U	7.1 U	64	2.6 J	1.8 J	5.4 U	0.47 J
Chlorodibromomethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Chloroethane	15 U	14 U	11 U	13 U	11 U	11 U	14 U
Chloroform	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Chloromethane	15 U	14 U	11 U	13 U	11 U	11 U	14 U
cis-1,3-Dichloropropene	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Dichloromethane	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Ethylbenzene	0.38 J	0.24 J	1.9 J	0.38 J	0.31 J	5.4 U	1.1 J
Methyl N-Butyl Ketone	38 U	35 U	28 U	33 U	27 U	27 U	34 U
Styrene (Monomer)	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	0.37 J
Tetrachloroethene	2.1 J	7.1 U	12	2.6 J	10	5.4 U	0.83 J
Toluene	7.6 U	7.1 U	5.5 U	6.6 U	1.8 J	5.4 U	6.8 U
trans-1,3-Dichloropropene	7.6 U	7.1 U	5.5 U	6.6 U	5.3 U	5.4 U	6.8 U
Trichloroethylene	1.7 J	7.1 U	0.3 J	12	19	5.4 U	0.47 J
Vinyl chloride	15 U	14 U	11 U	13 U	11 U	11 U	14 U
Xylenes, Total	1.2 J	14 U	9.1 J	1.3 J	0.95 J	11 U	4.2 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5 07/10/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg
1,2,4-Trichlorobenzene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
1,2-Dichlorobenzene	34 J	380 U	36 J	350 U	400 U	380 U	370 U
1,3-Dichlorobenzene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
1,4-Dichlorobenzene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,4,5-Trichlorophenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,4,6-Trichlorophenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,4-Dichlorophenol	350 U	380 U	35 J	350 U	400 U	380 U	370 U
2,4-Dimethylphenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,4-Dinitrophenol	1800 UJ	1900 U	2000 UJ	1800 UJ	2100 U	1900 U	1900 U
2,4-Dinitrotoluene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2,6-Dinitrotoluene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2-Chloronaphthalene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2-Chlorophenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2-Methylnaphthalene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2-Methylphenol (o-Cresol)	350 U	380 U	390 U	350 U	400 U	380 U	370 U
2-Nitroaniline	1800 U	1900 U	53 J	1800 U	2100 U	1900 U	1900 U
2-Nitrophenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
3,3'-Dichlorobenzidine	700 U	750 U	780 U	710 U	800 U	750 U	740 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	350 U	380 U	390 U	350 U	400 U	380 U	370 U
3-Nitroaniline	1800 U	1900 U	2000 U	1800 U	2100 U	1900 U	1900 U
4,6-Dinitro-2-methylphenol	1800 U	1900 U	2000 U	1800 UJ	2100 U	1900 U	1900 U
4-Bromophenyl Phenyl Ether	350 U	380 U	390 U	350 U	400 U	380 U	370 U
4-Chloro-3-methylphenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
4-Chlorophenyl Phenyl Ether	350 U	380 U	390 U	350 U	400 U	380 U	370 U
4-Nitrophenol	1800 U	1900 U	2000 U	1800 U	2100 U	1900 U	1900 U
Acenaphthene	350 U	380 U	390 U	21 J	400 U	380 U	370 U
Acenaphthylene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Anthracene	350 U	380 U	390 U	60 J	400 U	380 U	370 U
Benzo(a)anthracene	41 J	380 U	63 J	230 J	28 J	22 J	40 J
Benzo(a)pyrene	46 J	380 U	390 U	240 J	400 U	380 U	370 U
Benzo(b)fluoranthene	89 J	140 J	98 J	220 J	40 J	380 U	370 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5 07/10/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg
Benzo(g,h,i)perylene	42 J	380 U	1200	260 J	400 U	380 U	370 U
Benzo(k)fluoranthene	350 U	380 U	100 J	230 J	25 J	36 U	60 J
Benzyl Butyl Phthalate	350 U	380 U	35 J	350 U	400 U	380 U	370 U
bis(2-Chloroethoxy)methane	350 U	380 U	390 U	350 U	400 U	380 U	370 U
bis(2-Chloroethyl)ether	350 U	380 U	390 U	350 U	400 U	380 U	370 U
bis(2-Ethylhexyl)phthalate	250 J	23 J	62 J	53 J	400 U	300 J	370 U
Carbazole	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Chrysene	67 J	380 U	200 J	270 J	37 J	33 J	47 J
Di-n-butylphthalate	350 U	380 U	49 J	350 U	400 U	380 U	370 U
Di-n-octylphthalate	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Dibenzo(a,h)anthracene	350 U	78 J	130 J	60 J	400 U	380 U	370 U
Dibenzofuran	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Diethyl Phthalate	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Dimethyl Phthalate	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Dinoseb	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Fluoranthene	82 J	380 U	390 U	560	56 J	380 U	47 J
Fluorene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Hexachlorobenzene	350 U	380 U	110 J	350 U	400 U	380 U	370 U
Hexachlorobutadiene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Hexachlorocyclopentadiene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Hexachloroethane	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Indeno(1,2,3-cd)pyrene	32 J	380 U	390 U	350 U	400 U	380 U	370 U
Isophorone	350 U	380 U	390 U	350 U	400 U	380 U	370 U
N-Nitroso-di-n-propylamine	350 U	380 U	390 U	350 U	400 U	380 U	370 U
N-Nitrosodiphenylamine	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Naphthalene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Nitrobenzene	350 U	380 U	390 U	350 U	400 U	380 U	370 U
P-Chloroaniline	700 U	750 U	780 U	710 U	800 U	750 U	740 U
P-Nitroaniline	1800 U	1900 U	2000 U	1800 U	2100 U	1900 U	1900 U
Phenanthrene	32 J	380 U	40 J	350 J	34 J	31 J	51 J
Phenol	350 U	380 U	390 U	350 U	400 U	380 U	370 U
Pyrene	78 J	380 U	130 J	500	57 J	380 U	56 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-OS-4-0.5FT 08/15/02 ug/kg	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg
1,2,4-Trichlorobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
1,2-Dichlorobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
1,3-Dichlorobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
1,4-Dichlorobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,4,5-Trichlorophenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,4,6-Trichlorophenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,4-Dichlorophenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,4-Dimethylphenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,4-Dinitrophenol	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
2,4-Dinitrotoluene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2,6-Dinitrotoluene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2-Chloronaphthalene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2-Chlorophenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2-Methylnaphthalene	380 U	410 U	410 U	1800 UJ	380 U	42 J	410 U
2-Methylphenol (o-Cresol)	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
2-Nitroaniline	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
2-Nitrophenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
3,3'-Dichlorobenzidine	770 U	810 U	820 U	3700 UJ	750 U	740 U	810 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
3-Nitroaniline	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
4,6-Dinitro-2-methylphenol	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
4-Bromophenyl Phenyl Ether	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
4-Chloro-3-methylphenol	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
4-Chlorophenyl Phenyl Ether	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
4-Nitrophenol	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
Acenaphthene	380 U	410 U	75 J	1800 UJ	380 U	180 J	37 J
Acenaphthylene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Anthracene	380 U	410 U	230 J	1800 UJ	380 U	610	200 J
Benzo(a)anthracene	380 U	29 J	680	1800 UJ	380 U	1700	530
Benzo(a)pyrene	380 U	42 J	670	1800 UJ	380 U	1700	650
Benzo(b)fluoranthene	380 U	32 J	680	1800 UJ	380 U	1500	580

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-OS-4-0.5FT 08/15/02 ug/kg	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg
Benzo(g,h,i)perylene	380 U	72 J	320 J	1800 UJ	380 U	880	370 J
Benzo(k)fluoranthene	380 U	30 J	570	1800 UJ	380 U	1900	600
Benzyl Butyl Phthalate	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
bis(2-Chloroethoxy)methane	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
bis(2-Chloroethyl)ether	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
bis(2-Ethylhexyl)phthalate	380 U	50 J	35 J	1800 UJ	36 J	54 J	25 J
Carbazole	380 U	410 U	73 J	1800 UJ	380 U	280 J	81 J
Chrysene	380 U	34 J	770	1800 UJ	380 U	1800	590
Di-n-butylphthalate	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Di-n-octylphthalate	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Dibenzo(a,h)anthracene	380 U	59 J	110 J	1800 UJ	380 U	370 U	410 U
Dibenzofuran	380 U	410 U	29 J	1800 UJ	380 U	130 J	24 J
Diethyl Phthalate	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Dimethyl Phthalate	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Dinoseb	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Fluoranthene	380 U	40 J	1700	1800 UJ	380 U	3800	960
Fluorene	380 U	410 U	65 J	1800 UJ	380 U	210 J	34 J
Hexachlorobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Hexachlorobutadiene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Hexachlorocyclopentadiene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Hexachloroethane	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Indeno(1,2,3-cd)pyrene	380 U	66 J	240 J	1800 UJ	380 U	540	410 U
Isophorone	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
N-Nitroso-di-n-propylamine	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
N-Nitrosodiphenylamine	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
Naphthalene	380 U	410 U	410 U	1800 UJ	380 U	56 J	410 U
Nitrobenzene	380 U	410 U	410 U	1800 UJ	380 U	370 U	410 U
P-Chloroaniline	770 U	810 U	820 U	3700 UJ	750 U	740 U	810 U
P-Nitroaniline	2000 U	2100 U	2100 U	9600 UJ	1900 U	1900 U	2100 U
Phenanthrene	380 U	24 J	1100	1800 UJ	380 U	2700	940
Phenol	380 U	410 U	360 J	1800 UJ	380 U	370 U	410 U
Pyrene	380 U	51 J	1800	1800 UJ	380 U	3700	1300

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg	SOIL-Q-12-0.5 07/22/02 ug/kg	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg
1,2,4-Trichlorobenzene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
1,2-Dichlorobenzene	3900 U	31 J	31 J	410 U	460 U	410 U	400 U
1,3-Dichlorobenzene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
1,4-Dichlorobenzene	3900 U	430 J	270 J	410 U	460 U	410 U	400 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,4,5-Trichlorophenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,4,6-Trichlorophenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,4-Dichlorophenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,4-Dimethylphenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,4-Dinitrophenol	20000 U	2400 UJ	2500 UJ	2100 U	2400 U	2100 U	2100 U
2,4-Dinitrotoluene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2,6-Dinitrotoluene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2-Chloronaphthalene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2-Chlorophenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2-Methylnaphthalene	3900 U	62 J	48 J	410 U	460 U	410 U	400 U
2-Methylphenol (o-Cresol)	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
2-Nitroaniline	20000 U	2400 U	2500 U	2100 U	2400 U	2100 U	2100 U
2-Nitrophenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
3,3'-Dichlorobenzidine	7800 U	940 U	960 U	810 U	930 U	820 U	800 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
3-Nitroaniline	20000 U	2400 U	2500 U	2100 U	2400 U	2100 U	2100 U
4,6-Dinitro-2-methylphenol	20000 U	2400 U	2500 U	2100 U	2400 U	2100 U	2100 U
4-Bromophenyl Phenyl Ether	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
4-Chloro-3-methylphenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
4-Chlorophenyl Phenyl Ether	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
4-Nitrophenol	20000 U	2400 U	2500 U	2100 U	2400 U	2100 U	2100 U
Acenaphthene	260 J	63 J	130 J	410 U	460 U	410 U	400 U
Acenaphthylene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Anthracene	1400 J	230 J	820	410 U	460 U	410 U	400 U
Benzo(a)anthracene	4500	740	2100	30 J	460 U	410 U	400 U
Benzo(a)pyrene	5300	680	1900	410 U	460 U	410 U	400 U
Benzo(b)fluoranthene	4800	750	2200	33 J	460 U	410 U	400 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg	SOIL-Q-12-0.5 07/22/02 ug/kg	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg
Benzo(g,h,i)perylene	3800 J	280 J	720	410 U	460 U	410 U	400 U
Benzo(k)fluoranthene	4400	700	1700	32 J	39 J	410 U	400 U
Benzyl Butyl Phthalate	3900 U	550	180 J	410 U	460 U	410 U	400 U
bis(2-Chloroethoxy)methane	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
bis(2-Chloroethyl)ether	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
bis(2-Ethylhexyl)phthalate	300 J	13000 J	4200 J	780 J	50 J	410 U	63 J
Carbazole	670 J	84 J	270 J	410 U	460 U	410 U	400 U
Chrysene	5100	710	2100	42 J	28 J	410 U	23 J
Di-n-butylphthalate	3900 U	160 J	66 J	410 U	460 U	410 U	55 J
Di-n-octylphthalate	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Dibenzo(a,h)anthracene	3900 U	86 J	280 J	410 U	460 U	410 U	400 U
Dibenzofuran	3900 U	46 J	120 J	410 U	460 U	410 U	400 U
Diethyl Phthalate	3900 U	78 J	480 U	410 U	460 U	410 U	400 U
Dimethyl Phthalate	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Dinoseb	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Fluoranthene	8000	1900	4200	57 J	460 U	410 U	400 U
Fluorene	3900 U	96 J	240 J	410 U	460 U	410 U	400 U
Hexachlorobenzene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Hexachlorobutadiene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Hexachlorocyclopentadiene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Hexachloroethane	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Indeno(1,2,3-cd)pyrene	3900 U	180 J	440 J	410 U	460 U	410 U	400 U
Isophorone	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
N-Nitroso-di-n-propylamine	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
N-Nitrosodiphenylamine	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Naphthalene	3900 U	490	170 J	410 U	460 U	410 U	400 U
Nitrobenzene	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
P-Chloroaniline	7800 U	940 U	960 U	810 U	930 U	820 U	800 U
P-Nitroaniline	20000 U	2400 U	2500 U	2100 U	2400 U	2100 U	2100 U
Phenanthrene	6300	780 J	2800 J	26 J	460 U	410 U	400 U
Phenol	3900 U	470 U	480 U	410 U	460 U	410 U	400 U
Pyrene	8600	2000	4200	53 J	460 U	410 U	400 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg	SOIL-Q-18-0.5 10/07/02 ug/kg	SOIL-Q-19-0.5 10/07/02 ug/kg	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg
1,2,4-Trichlorobenzene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
1,2-Dichlorobenzene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
1,3-Dichlorobenzene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
1,4-Dichlorobenzene	440 U	420 U	400 U	380 U	420 U	630	430 U	2000 UJ
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2,4,5-Trichlorophenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2,4,6-Trichlorophenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2,4-Dichlorophenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	1000 J
2,4-Dimethylphenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2,4-Dinitrophenol	2300 U	2200 UJ	2100 UJ	2000 U	2200 UJ	1800 U	2200 UJ	10000 UJ
2,4-Dinitrotoluene	440 U	420 UJ	400 UJ	380 U	420 UJ	350 U	430 UJ	2000 UJ
2,6-Dinitrotoluene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2-Chloronaphthalene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2-Chlorophenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2-Methylnaphthalene	440 U	420 U	400 U	380 U	420 U	95 J	430 U	2000 UJ
2-Methylphenol (o-Cresol)	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
2-Nitroaniline	2300 U	2200 UJ	2100 UJ	2000 U	2200 UJ	1800 U	2200 UJ	10000 UJ
2-Nitrophenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
3,3'-Dichlorobenzidine	890 U	840 U	800 U	760 U	850 U	700 U	870 U	4000 UJ
3-Methylphenol/4-Methylphenol (m&p-Cresol)	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
3-Nitroaniline	2300 U	2200 U	2100 U	2000 U	2200 U	1800 U	2200 U	10000 UJ
4,6-Dinitro-2-methylphenol	2300 U	2200 UJ	2100 UJ	2000 U	2200 UJ	1800 U	2200 UJ	10000 UJ
4-Bromophenyl Phenyl Ether	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
4-Chloro-3-methylphenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
4-Chlorophenyl Phenyl Ether	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
4-Nitrophenol	2300 U	2200 UJ	2100 UJ	2000 U	2200 UJ	1800 U	2200 UJ	10000 UJ
Acenaphthene	440 U	420 U	400 U	380 U	420 U	90 J	430 U	160 J
Acenaphthylene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Anthracene	65 J	420 U	400 U	380 U	420 U	210 J	430 U	510 J
Benzo(a)anthracene	85 J	65 J	210 J	45 J	41 J	1500	45 J	1700 J
Benzo(a)pyrene	92 J	75 J	180 J	48 J	46 J	1800	40 J	1600 J
Benzo(b)fluoranthene	440 U	69 J	210 J	380 U	56 J	1800	36 J	1600 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg	SOIL-Q-18-0.5 10/07/02 ug/kg	SOIL-Q-19-0.5 10/07/02 ug/kg	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg
Benzo(g,h,i)perylene	64 J	78 J	130 J	52 J	43 J	1100	37 J	820 J
Benzo(k)fluoranthene	79 J	71 J	240 J	44 J	55 J	1400	47 J	1400 J
Benzyl Butyl Phthalate	440 U	420 U	400 U	380 U	420 U	33 J	430 U	2000 UJ
bis(2-Chloroethoxy)methane	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
bis(2-Chloroethyl)ether	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
bis(2-Ethylhexyl)phthalate	220 J	66 J	400 U	32 J	420 U	47 J	430 U	2000 UJ
Carbazole	440 U	420 U	400 U	380 U	420 U	98 J	430 U	2000 UJ
Chrysene	99 J	65 J	240 J	68 J	59 J	1700	45 J	1800 J
Di-n-butylphthalate	440 U	51 J	400 U	380 U	420 U	350 U	430 U	2000 UJ
Di-n-octylphthalate	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Dibenzo(a,h)anthracene	440 U	420 U	400 U	380 U	420 U	370	430 U	260 J
Dibenzofuran	440 U	420 U	400 U	380 U	420 U	60 J	430 U	2000 UJ
Diethyl Phthalate	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Dimethyl Phthalate	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Dinoseb	440 U	420 UJ	400 UJ	380 U	420 UJ	350 U	430 UJ	2000 UJ
Fluoranthene	120 J	120 J	320 J	96 J	60 J	1600	95 J	3000 J
Fluorene	440 U	420 U	400 U	380 U	420 U	53 J	430 U	2000 UJ
Hexachlorobenzene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Hexachlorobutadiene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Hexachlorocyclopentadiene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Hexachloroethane	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Indeno(1,2,3-cd)pyrene	49 J	420 U	120 J	45 J	420 U	1000	430 U	690 J
Isophorone	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
N-Nitroso-di-n-propylamine	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
N-Nitrosodiphenylamine	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Naphthalene	440 U	420 U	400 U	380 U	420 U	81 J	430 U	2000 UJ
Nitrobenzene	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
P-Chloroaniline	890 U	840 U	800 U	760 U	850 U	700 U	870 U	4000 UJ
P-Nitroaniline	2300 U	2200 U	2100 U	2000 U	2200 U	1800 U	2200 U	10000 UJ
Phenanthrene	65 J	58 J	38 J	44 J	420 U	940	45 J	2500 J
Phenol	440 U	420 U	400 U	380 U	420 U	350 U	430 U	2000 UJ
Pyrene	140 J	420 U	280 J	93 J	420 U	1800	430 U	3800 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg	SOIL-Q-9-0.5 07/26/02 ug/kg
1,2,4-Trichlorobenzene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
1,2-Dichlorobenzene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
1,3-Dichlorobenzene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
1,4-Dichlorobenzene	170 J	390 U	140 J	320 J	280 J	45 J	420 UJ
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,4,5-Trichlorophenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,4,6-Trichlorophenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,4-Dichlorophenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,4-Dimethylphenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,4-Dinitrophenol	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
2,4-Dinitrotoluene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2,6-Dinitrotoluene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2-Chloronaphthalene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2-Chlorophenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2-Methylnaphthalene	240 J	27 J	69 J	780 U	35 J	400 U	420 UJ
2-Methylphenol (o-Cresol)	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
2-Nitroaniline	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
2-Nitrophenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
3,3'-Dichlorobenzidine	800 U	780 U	720 U	1600 U	880 U	800 U	850 UJ
3-Methylphenol/4-Methylphenol (m&p-Cresol)	400 U	390 U	360 U	780 U	66 J	400 U	420 UJ
3-Nitroaniline	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
4,6-Dinitro-2-methylphenol	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
4-Bromophenyl Phenyl Ether	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
4-Chloro-3-methylphenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
4-Chlorophenyl Phenyl Ether	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
4-Nitrophenol	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
Acenaphthene	200 J	390 U	42 J	780 U	53 J	30 J	51 J
Acenaphthylene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Anthracene	430	390 U	89 J	130 J	130 J	78 J	340 J
Benzo(a)anthracene	1000	110 J	250 J	450 J	400 J	290 J	1800 J
Benzo(a)pyrene	980	130 J	280 J	430 J	380 J	300 J	1800 J
Benzo(b)fluoranthene	990	110 J	390	540 J	450	320 J	3300 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg	SOIL-Q-9-0.5 07/26/02 ug/kg
Benzo(g,h,i)perylene	520	130 J	160 J	240 J	220 J	400 U	420 UJ
Benzo(k)fluoranthene	820	100 J	290 J	360 J	380 J	280 J	420 UJ
Benzyl Butyl Phthalate	400 U	390 U	360 U	320 J	120 J	23 J	870 J
bis(2-Chloroethoxy)methane	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
bis(2-Chloroethyl)ether	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
bis(2-Ethylhexyl)phthalate	79 J	35 J	71 J	240 J	2200	130 J	540 J
Carbazole	180 J	390 U	360 U	780 U	65 J	400 U	79 J
Chrysene	1200	130 J	290 J	650 J	490	320 J	2400 J
Di-n-butylphthalate	400 U	390 U	360 U	780 U	240 J	400 U	110 J
Di-n-octylphthalate	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Dibenzo(a,h)anthracene	180 J	66 J	55 J	780 U	72 J	400 U	420 UJ
Dibenzofuran	180 J	390 U	46 J	780 U	43 J	22 J	29 J
Diethyl Phthalate	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Dimethyl Phthalate	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Dinoseb	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Fluoranthene	1800	120 J	430	1300	850	530	3200 J
Fluorene	190 J	390 U	48 J	780 U	64 J	34 J	62 J
Hexachlorobenzene	30 J	390 U	360 U	780 U	29 J	400 U	420 UJ
Hexachlorobutadiene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Hexachlorocyclopentadiene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Hexachloroethane	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Indeno(1,2,3-cd)pyrene	440	110 J	120 J	150 J	140 J	88 J	420 UJ
Isophorone	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
N-Nitroso-di-n-propylamine	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
N-Nitrosodiphenylamine	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Naphthalene	260 J	390 U	64 J	780 U	46 J	400 U	420 UJ
Nitrobenzene	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
P-Chloroaniline	800 U	780 U	720 U	1600 U	880 U	800 U	850 UJ
P-Nitroaniline	2100 U	2000 U	1900 U	4000 U	2300 U	2100 U	2200 UJ
Phenanthrene	2000	120 J	370	590 J	690	370 J	1600 J
Phenol	400 U	390 U	360 U	780 U	440 U	400 U	420 UJ
Pyrene	2000	170 J	500	1400	980	670	3300 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
1,2,4-Trichlorobenzene	350 U	350 U	370 U	360 U	36000	370 U
1,2-Dichlorobenzene	350 U	350 U	370 U	360 U	37000	370 U
1,3-Dichlorobenzene	350 U	350 U	370 U	360 U	1000 J	370 U
1,4-Dichlorobenzene	350 U	350 U	370 U	360 U	7500 J	370 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	350 U	350 U	370 U	360 U	14000 U	370 U
2,4,5-Trichlorophenol	350 U	350 U	370 U	360 U	1100 J	370 U
2,4,6-Trichlorophenol	350 U	350 U	370 U	360 U	8200 J	370 U
2,4-Dichlorophenol	350 U	350 U	370 U	360 U	2300 J	370 U
2,4-Dimethylphenol	350 U	350 U	370 U	360 U	14000 U	370 U
2,4-Dinitrophenol	1800 U	1800 U	1900 U	1800 U	74000 U	1900 UJ
2,4-Dinitrotoluene	350 U	350 U	370 U	360 U	14000 U	370 U
2,6-Dinitrotoluene	350 U	350 U	370 U	360 U	14000 U	370 U
2-Chloronaphthalene	350 U	350 U	370 U	360 U	14000 U	370 U
2-Chlorophenol	350 U	350 U	370 U	360 U	14000 U	370 U
2-Methylnaphthalene	350 U	350 U	370 U	360 U	11000 J	370 U
2-Methylphenol (o-Cresol)	350 U	350 U	370 U	360 U	14000 U	370 U
2-Nitroaniline	1800 U	1800 U	1900 U	1800 U	4600 J	1900 U
2-Nitrophenol	350 U	350 U	370 U	360 U	14000 U	370 U
3,3'-Dichlorobenzidine	710 U	700 U	740 U	720 U	29000 U	730 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	350 U	350 U	370 U	360 U	14000 U	370 U
3-Nitroaniline	1800 U	1800 U	1900 U	1800 U	74000 U	1900 U
4,6-Dinitro-2-methylphenol	1800 U	1800 U	1900 U	1800 U	74000 U	1900 U
4-Bromophenyl Phenyl Ether	350 U	350 U	370 U	360 U	14000 U	370 U
4-Chloro-3-methylphenol	350 U	350 U	370 U	360 U	14000 U	370 U
4-Chlorophenyl Phenyl Ether	350 U	350 U	370 U	360 U	14000 U	370 U
4-Nitrophenol	1800 U	1800 U	1900 U	1800 U	74000 U	1900 U
Acenaphthene	350 U	350 U	370 U	360 U	1200 J	370 U
Acenaphthylene	350 U	350 U	370 U	360 U	14000 U	370 U
Anthracene	350 U	350 U	370 U	360 U	14000 U	370 U
Benzo(a)anthracene	30 J	350 U	370 U	33 J	8000 J	95 J
Benzo(a)pyrene	26 J	350 U	370 U	33 J	5400 J	130 J
Benzo(b)fluoranthene	30 J	350 U	370 U	32 J	6600 J	240 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-2
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
Benzo(g,h,i)perylene	45 J	350 U	370 U	25 J	4200 J	120 J
Benzo(k)fluoranthene	26 J	350 U	370 U	35 J	6400 J	370 U
Benzyl Butyl Phthalate	350 U	350 U	370 U	360 U	120000	370 U
bis(2-Chloroethoxy)methane	350 U	350 U	370 U	360 U	14000 U	370 U
bis(2-Chloroethyl)ether	350 U	350 U	370 U	360 U	14000 U	370 U
bis(2-Ethylhexyl)phthalate	78 J	350 U	370 U	360 U	3900 J	1600
Carbazole	350 U	350 U	370 U	360 U	14000 U	370 U
Chrysene	32 J	350 U	20 J	51 J	20000	140 J
Di-n-butylphthalate	350 U	350 U	370 U	360 U	14000 U	41 J
Di-n-octylphthalate	350 U	350 U	370 U	360 U	1300 J	28 J
Dibenzo(a,h)anthracene	350 U	350 U	370 U	360 U	1800 J	370 U
Dibenzofuran	350 U	350 U	370 U	360 U	14000 U	370 U
Diethyl Phthalate	350 U	350 U	370 U	360 U	14000 U	370 U
Dimethyl Phthalate	350 U	350 U	370 U	360 U	14000 U	370 U
Dinoseb	350 U	350 U	370 U	360 U	1700 J	370 U
Fluoranthene	350 U	350 U	370 U	39 J	4200 J	160 J
Fluorene	350 U	350 U	370 U	360 U	1200 J	370 U
Hexachlorobenzene	350 U	350 U	370 U	360 U	14000 U	370 U
Hexachlorobutadiene	350 U	350 U	370 U	360 U	14000 U	370 U
Hexachlorocyclopentadiene	350 U	350 U	370 U	360 U	14000 U	370 U
Hexachloroethane	350 U	350 U	370 U	360 U	14000 U	370 U
Indeno(1,2,3-cd)pyrene	43 J	350 U	370 U	360 U	1300 J	110 J
Isophorone	350 U	350 U	370 U	360 U	14000 U	370 U
N-Nitroso-di-n-propylamine	350 U	350 U	370 U	360 U	14000 U	370 U
N-Nitrosodiphenylamine	350 U	350 U	370 U	360 U	14000 U	370 U
Naphthalene	350 U	350 U	370 U	360 U	2100 J	370 U
Nitrobenzene	350 U	350 U	370 U	360 U	14000 U	370 U
P-Chloroaniline	710 U	700 U	740 U	720 U	29000 U	730 U
P-Nitroaniline	1800 U	1800 U	1900 U	1800 U	57000 J	1900 U
Phenanthrene	21 J	350 U	370 U	30 J	9200 J	56 J
Phenol	350 U	350 U	370 U	360 U	14000 U	370 U
Pyrene	350 U	350 U	370 U	48 J	28000	160 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-3
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg	SOIL-OS-4-0.5FT 08/15/02 ug/kg	SOIL-P-1-0.5 07/16/02 ug/kg
4,4'-DDD	3.5 U	3.8 U	8.5 J	6.6 J	2.4 J	3.7 UJ	3.8 UJ	81 U
4,4'-DDE	3.5 U	3.8 U	11 J	16 J	8.4 J	4.1 J	3.8 U	81 U
4,4'-DDT	3.5 UJ	0.81 J	41 J	46 J	25 J	16 J	3.8 UJ	17 J
Aldrin	1.8 U	1.9 U	4.9 J	2.1 U	1.9 U	1.9 UJ	2 U	42 U
alpha-BHC	1.8 U	1.9 U	120 J	2.1 U	1.9 U	1.9 UJ	2 U	42 UJ
alpha-Chlordane	1.8 U	1.9 U	12 J	2.1 U	1.9 U	1.9 UJ	2 U	42 U
beta-BHC	1.8 U	1.9 U	18 U	2.1 U	1.9 U	1.9 UJ	2 U	42 U
delta-BHC	1.8 U	1.9 U	34 J	2.1 U	1.9 U	1.9 UJ	2 U	42 UJ
Dieldrin	1.4 J	3.8 U	12 J	9.6 J	3.8 J	3 J	3.8 U	81 U
Endosulfan I	1.8 U	1.9 U	18 U	2.1 U	0.19 J	2.1 J	2 U	42 U
Endosulfan II	3.5 U	3.8 U	35 U	4 U	3.8 U	0.58 J	3.8 U	81 U
Endosulfan Sulfate	3.5 U	3.8 U	35 U	1.1 J	3.8 U	0.71 J	3.8 U	81 U
Endrin	3.5 UJ	3.8 U	4.8 J	4 U	3.8 U	3.7 UJ	3.8 U	81 U
Endrin Aldehyde	3.5 U	3.4 J	5.8 J	4 UJ	3.8 UJ	3 J	3.8 UJ	81 U
Endrin Ketone	3.5 UJ	3.8 U	35 U	4 U	3.8 U	3.7 UJ	3.8 U	81 U
gamma-BHC (Lindane)	1.8 U	1.9 U	18 U	2.1 U	1.9 U	1.9 UJ	2 U	42 U
gamma-Chlordane	0.33 J	1.9 U	99	2.1 U	1.9 U	1.9 UJ	2 U	42 U
Heptachlor	1.8 U	1.9 U	74 J	2.1 U	1.9 U	1.9 UJ	2 U	42 UJ
Heptachlor Epoxide	1.8 U	1.9 U	18 J	2.3 J	0.77 J	1.2 J	2 U	42 U
Methoxychlor	18 UJ	0.88 J	180 UJ	21 UJ	2.8 J	19 UJ	20 UJ	420 U
Toxaphene	180 U	190 U	1800 U	210 U	190 U	190 UJ	200 U	4200 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-3
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg	SOIL-Q-12-0.5 07/22/02 ug/kg
4,4'-DDD	4.1 U	37 U	75 U	34	4.1 U	7.8 UJ	94 U	96 U	81 U
4,4'-DDE	3 J	37 U	75 U	50	4.1 U	7.8 UJ	570 J	560 J	NR
4,4'-DDT	8.1 J	9.1 J	1100 J	260 J	5.3 J	78 J	1500 J	1400 J	790 J
Aldrin	2.1 U	19 U	39 U	1.9 U	2.1 U	4 UJ	48 U	49 U	42 U
alpha-BHC	2.1 U	19 UJ	39 U	1.9 U	2.1 U	4 UJ	170	200 J	42 U
alpha-Chlordane	1.5 J	19 U	18 J	6.6 J	2.1 U	5.2 J	53 J	60 J	14 J
beta-BHC	2.1 U	19 U	39 U	1.9 U	2.1 U	4 UJ	48 U	49 U	42 U
delta-BHC	2.1 U	19 UJ	39 UJ	1.9 U	2.1 U	4 UJ	48 U	49 U	42 U
Dieldrin	2 J	3 J	75 U	6.4 J	2.6 J	15 J	400 J	350 J	280
Endosulfan I	2.1 U	19 U	39 U	1.9 U	2.1 U	4 UJ	48 U	49 U	42 U
Endosulfan II	4.1 U	37 U	75 U	3.7 U	1 J	1.5 J	94 U	96 U	81 U
Endosulfan Sulfate	4.1 U	37 U	36 J	3.7 U	4.1 U	7.8 UJ	32 J	43 J	20 J
Endrin	4.1 U	37 U	75 UJ	3.7 U	2.4 J	7.8 UJ	94 U	96 U	81 U
Endrin Aldehyde	4.1 U	37 U	140 J	1.6 J	1.4 J	15 J	94 UJ	96 UJ	81 UJ
Endrin Ketone	4.1 UJ	37 U	9.7 J	6.1	4.9 J	7.8 UJ	110 J	110 J	81 U
gamma-BHC (Lindane)	2.1 U	19 U	39 U	1.9 U	2.1 U	4 UJ	48 U	49 U	42 U
gamma-Chlordane	2.1 U	19 U	39 U	12	1.7 J	24 J	410 J	390 J	42 UJ
Heptachlor	2.1 U	19 UJ	39 UJ	1 J	2.1 U	4 UJ	48 UJ	49 UJ	42 UJ
Heptachlor Epoxide	2.1 U	19 U	15 J	3.8 J	0.52 J	4.8 J	48 U	49 U	42 U
Methoxychlor	21 UJ	190 U	390 U	19 U	21 U	40 UJ	480 U	490 U	420 U
Toxaphene	210 U	1900 U	3900 U	190 U	210 U	400 UJ	4800 U	4900 U	4200 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-3
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg	SOIL-Q-18-0.5 10/07/02 ug/kg	SOIL-Q-19-0.5 10/07/02 ug/kg	SOIL-Q-2-0.5 07/18/02 ug/kg
4,4'-DDD	46 U	0.86 J	20 UJ	44 U	4.2 U	4 U	3.8 UJ	5.7 J	7 U
4,4'-DDE	43 J	1.6 J	20 U	44 U	1.5 J	4 U	3.8 U	0.81 J	NR
4,4'-DDT	71 J	6.5 J	17 UJ	530 J	5.1 J	2.1 J	38 UJ	25 J	120 J
Aldrin	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
alpha-BHC	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
alpha-Chlordane	14 J	0.42 J	10 U	3.9 J	2.2 U	2.1 U	0.15 J	2.2 U	NR
beta-BHC	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
delta-BHC	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
Dieldrin	100	4.6	2.2 J	160	3.3 J	0.66 J	3.8 U	4.2 U	7 U
Endosulfan I	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
Endosulfan II	46 U	4.1 U	20 U	44 U	4.2 U	4 U	3.8 U	4.2 U	7 U
Endosulfan Sulfate	5.5 J	4.1 U	20 U	44 U	4.2 U	4 U	3.8 U	4.2 U	7 U
Endrin	46 U	4.1 U	20 U	44 U	4.2 U	4 U	3.8 U	4.2 U	7 U
Endrin Aldehyde	12 J	4.1 UJ	20 U	17 J	4.2 U	4 U	3.8 U	0.92 J	7 U
Endrin Ketone	46 U	4.1 U	20 U	44 U	4.2 U	4 U	0.69 J	1.2 J	7 UJ
gamma-BHC (Lindane)	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
gamma-Chlordane	24 U	0.72 J	10 U	23 U	0.53 J	0.55 J	2 U	2.2 U	3.6 U
Heptachlor	24 U	2.1 U	10 U	23 U	2.2 U	2.1 U	2 U	2.2 U	3.6 U
Heptachlor Epoxide	24 U	4.6	12 J	23 U	2.2 U	2.1 U	0.23 J	0.5 J	3.6 U
Methoxychlor	240 UJ	21 UJ	210 UJ	230 UJ	22 UJ	21 UJ	200 U	220 U	36 UJ
Toxaphene	2400 U	210 U	1000 U	2300 U	220 U	210 U	200 U	220 U	360 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-3
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg	SOIL-Q-9-0.5 07/26/02 ug/kg
4,4'-DDD	1.2 J	39 J	8 U	20 U	7.2 U	29 J	22 U	4 U	42 U
4,4'-DDE	0.71 J	80 U	NR	11 J	7.2 U	20 U	22 U	4 U	42 U
4,4'-DDT	0.7 J	80 U	29 J	20 U	7.2 U	29 J	180 J	4 U	2600 J
Aldrin	2.2 U	41 U	4.1 U	10 U	3.7 U	10 U	11 U	2.1 J	22 U
alpha-BHC	2.2 U	41 U	4.1 U	10 U	3.7 U	96 J	25 J	2.1 U	22 U
alpha-Chlordane	2.2 U	200	NR	0.86 J	3.7 U	2.3 J	5.4 J	2.1 U	33
beta-BHC	2.2 U	40 J	4.1 U	1.3 J	3.7 U	10 U	11 U	2.1 U	11 J
delta-BHC	2.2 U	41 U	4.1 U	10 U	3.7 U	10 U	11 U	2.1 U	22 U
Dieldrin	0.41 J	77 J	8 U	18 J	7.2 U	48 J	48 J	5.2 J	42 UJ
Endosulfan I	2.2 U	41 U	4.1 U	10 U	3.7 U	10 U	11 U	2.1 U	22 U
Endosulfan II	4.3 U	14 J	8 U	20 U	7.2 U	20 U	22 U	4 U	42 U
Endosulfan Sulfate	4.3 U	80 U	8 U	20 U	7.2 U	2.4 J	22 U	4 U	42 U
Endrin	4.3 U	18 J	8 U	2.4 J	7.2 U	20 U	22 U	4 U	170 J
Endrin Aldehyde	4.3 U	80 U	8 U	20 U	7.2 U	20 U	22 U	4 U	42 UJ
Endrin Ketone	0.52 J	80 U	8 UJ	2.4 J	7.2 UJ	20 U	22 UJ	1.1 J	42 U
gamma-BHC (Lindane)	2.2 U	5.7 J	4.1 U	10 U	3.7 U	10 U	11 U	2.1 U	22 U
gamma-Chlordane	2.2 U	210	4.1 U	10 J	3.7 U	10 U	11 U	2.1 U	150 J
Heptachlor	2.2 U	11 J	4.1 U	10 UJ	3.7 U	10 U	11 U	2.1 U	22 U
Heptachlor Epoxide	0.57 J	41 U	4.1 U	10 U	3.7 U	10 U	11 U	2.1 U	76 J
Methoxychlor	220 U	410 U	41 UJ	100 U	37 UJ	100 U	110 UJ	21 UJ	92 J
Toxaphene	220 U	4100 U	410 U	1000 U	370 U	1000 U	1100 U	210 U	2200 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-3
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
4,4'-DDD	7.1 UJ	3.5 U	3.7 U	3.6 U	1700 J	2.8 J
4,4'-DDE	7.1 UJ	3.5 U	3.7 U	3.6 U	3300 J	3.6 J
4,4'-DDT	2.7 J	3.5 U	3.7 UJ	3.6 UJ	16000 J	11 J
Aldrin	3.6 UJ	1.8 U	1.9 U	1.8 U	1800 U	1.9 U
alpha-BHC	3.6 UJ	1.8 U	1.9 U	1.8 U	1800 U	1.9 U
alpha-Chlordane	3.6 UJ	1.8 U	1.9 U	1.8 U	1800 U	1.9 U
beta-BHC	3.6 UJ	1.8 U	1.9 U	1.8 U	26000 J	0.77 J
delta-BHC	3.6 UJ	1.8 U	1.9 U	1.8 U	740 J	1.9 U
Dieldrin	1.4 J	3.5 U	0.37 J	1 J	3600 U	14
Endosulfan I	3.6 UJ	1.8 U	1.9 U	1.8 U	1800 U	1.9 U
Endosulfan II	7.1 UJ	3.5 U	3.7 U	3.6 U	5400	1.2 J
Endosulfan Sulfate	7.1 UJ	3.5 U	3.7 U	3.6 U	3600 U	3.7 U
Endrin	7.1 UJ	3.5 U	3.7 UJ	3.6 UJ	10000	4.6 J
Endrin Aldehyde	7.1 UJ	3.5 U	3.7 U	3.6 U	3600 U	7.4
Endrin Ketone	7.1 UJ	3.5 U	3.7 UJ	3.6 UJ	3600 U	3.7 U
gamma-BHC (Lindane)	3.6 UJ	1.8 U	1.9 U	1.8 U	7500 J	1.9 U
gamma-Chlordane	3.6 UJ	1.8 U	1.9 U	0.23 J	2700 J	1.3 J
Heptachlor	3.6 UJ	1.8 U	1.9 U	1.8 U	1500 J	1.9 U
Heptachlor Epoxide	3.6 UJ	1.8 U	1.9 U	1.8 U	1800 U	1.9 U
Methoxychlor	36 UJ	18 U	19 UJ	18 UJ	18000 U	19 U
Toxaphene	360 UJ	180 U	190 U	180 U	180000 U	190 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-4
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5 07/10/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg	SOIL-OS-4-0.5FT 08/15/02 ug/kg
2,4,5-T	35 U	9.4 U	17 J	8.9 U	10 U	9.4 U	9.3 U	9.6 U
2,4,5-TP (Silvex)	35 U	9.4 U	9.8 U	8.9 U	10 U	9.4 U	9.3 U	9.6 U
2,4-D	35 U	31 J	50 J	8.9 U	10 U	9.4 U	5.8 J	9.6 U
2,4-DB	35 U	13 J	19 J	8.9 U	10 U	9.4 U	9.3 U	9.6 U
Dalapon	8500 U	2300 U	2400 U	2200 U	2400 U	2300 U	2200 U	2300 U
Dicamba	85 U	2.4 J	24 U	22 U	24 U	23 U	22 U	23 U
Dichlorprop	11 J	37 J	10 J	110 U	59 J	160 J	110 U	120 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	8500 U	2300 U	2400 U	2200 U	2400 U	2300 U	2200 U	2300 U
MCPP	43000 J	12000 J	11000 J	2200 U	6600 J	2200 J	2200 U	2300 U
Pentachlorophenol	61 J	23 J	2000	18 U	5.1 J	2.8 J	1.7 J	20 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-4
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg
2,4,5-T	10 U	10 U	9.3 U	1.4 J	9.3 U	10 U	1.3 J	240 U
2,4,5-TP (Silvex)	10 U	10 U	9.3 U	9.4 U	9.3 U	10 U	9.9 U	240 U
2,4-D	10 U	4.6 J	9.3 U	10 J	8.9 J	8.6 J	15	240 U
2,4-DB	10 U	10 UJ	9.3 U	9.4 U	9.3 U	28 J	9.9 U	240 U
Dalapon	2500 U	2500 U	2200 U	2300 U	2200 U	2500 U	2400 U	57000 U
Dicamba	25 U	25 U	22 U	23 U	22 U	25 U	24 U	570 U
Dichlorprop	120 U	2.4 J	1.2 J	9.5 J	110 U	120 U	1.5 J	2800 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2500 U	2500 U	2200 U	2300 U	2200 U	2500 U	2400 U	57000 U
MCPP	2500 U	2500 U	560 J	2300 J	1200 J	2500 U	2400 U	57000 U
Pentachlorophenol	7.1 J	4.3 J	28	11 J	99	25 U	36 U	2300 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-4
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg	SOIL-Q-12-0.5 07/22/02 ug/kg	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg
2,4,5-T	7.4 J	10 UJ	12 U	10 UJ	10 U	11 U	10 U	10 U
2,4,5-TP (Silvex)	12 UJ	10 UJ	12 U	10 UJ	10 U	11 U	10 U	10 U
2,4-D	12 U	4.7 J	12 J	10 UJ	10 U	8.7 J	6.9 J	7.8 J
2,4-DB	12 UJ	10 UJ	12 U	10 UJ	10 U	11 U	10 U	10 U
Dalapon	2900 U	2500 U	2800 U	2500 UJ	2400 U	2700 U	2500 U	2400 U
Dicamba	29 U	25 U	28 U	25 UJ	24 U	27 U	25 U	24 U
Dichlorprop	140 U	3.7 J	140 U	4.9 J	120 U	140 U	130 U	6.1 J
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	720 J	1100 J	600 J	2500 UJ	3700 J	2700 U	1600 J	2400 U
MCPP	5200 J	2000 J	750 J	2500 UJ	1500 J	1700 J	2200 J	2400 U
Pentachlorophenol	3600 J	36 J	5.2 J	1.2 J	5.5 J	2.4 J	2 J	1.1 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-4
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-Q-18-0.5 10/07/02 ug/kg	SOIL-Q-19-0.5 10/07/02 ug/kg	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg
2,4,5-T	9.5 U	11 U	2.1 J	11 U	10 U	2 J	9.9 U	230 U	3 J
2,4,5-TP (Silvex)	9.5 U	11 U	8.8 U	11 U	10 U	10 U	9.9 U	230 U	9.9 U
2,4-D	7.9 J	6.4 J	5 J	14 J	4.2 J	10 U	9.9 U	230 U	4.7 J
2,4-DB	9.5 U	11 U	8.8 UJ	11 U	10 U	10 UJ	9.9 U	230 UJ	9.9 UJ
Dalapon	2300 U	2600 U	2100 U	2600 U	2400 U	2400 U	2400 U	55000 U	2400 U
Dicamba	23 U	26 U	21 U	26 U	24 U	24 U	24 U	550 U	24 U
Dichlorprop	110 U	6.2 J	110 U	130 U	120 U	120 U	120 U	2700 U	120 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	720 J	2800 J	2100 U	2600 U	2400 U	2400 U	2400 U	55000 U	2400 U
MCPP	2300 U	2600 J	2100 U	3100 J	2400 U	160 J	2400 U	55000 U	2400 U
Pentachlorophenol	20 U	1.5 J	47	2 J	420	96	5.5 J	2300	45

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-4
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg	SOIL-Q-9-0.5 07/26/02 ug/kg	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
2,4,5-T	4.1 J	10 U	11 U	45 U	44 U	37 U	9 U	4500 J	9.2 U
2,4,5-TP (Silvex)	11 U	10 UJ	11 U	45 U	44 U	37 U	9.3 J	250 J	9.2 U
2,4-D	11 U	10 U	6.7 J	45 U	55 J	37 U	18 U	3300 J	15 U
2,4-DB	35 J	10 U	11 U	45 U	29 J	26 J	60 J	180 U	9.2 U
Dalapon	2700 U	2400 U	2600 U	11000 U	11000 U	9000 U	2200 U	43000 U	2200 U
Dicamba	27 U	24 U	26 U	110 U	110 U	90 U	22 U	430 U	22 U
Dichlorprop	130 U	120 U	130 U	100 J	91 J	75 J	44 J	2200 U	110 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2700 U	2400 U	2600 U	11000 U	11000 U	9000 U	2200 U	43000 U	2200 U
MCPP	2700 U	2400 U	2600 U	49000 J	43000 J	51000 J	5200 J	43000 U	2200 U
Pentachlorophenol	120 J	3.3 J	26 U	92 U	90 U	76 U	26 U	440000	11 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-5
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5 07/10/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg	SOIL-OS-4-0.5FT 08/15/02 ug/kg
Decachlorobiphenyl	9000 U	19 U	100 U	180 U	100	73	70	20 U
Dichlorobiphenyl	81000	3.8 U	100	35 U	4 U	3.8 U	3.7 U	3.8 U
Heptachlorobiphenyl	13000	11 U	490	110 U	6.2 J	2.6 J	8.3 J	12 U
Hexachlorobiphenyl	32000	7.6 U	950	72 U	12	8.7	11	7.8 U
Monochlorobiphenyl	74000	0.78 J	14 J	35 U	4 U	3.8 U	3.7 U	3.8 U
Nonachlorobiphenyl	9000 U	19 U	100 U	180 U	39	29	29	20 U
Octachlorobiphenyl	2200 J	11 U	110	110 U	4.2 J	1.6 J	5.6 J	12 U
Pentachlorobiphenyl	110000	7.6 U	2700	72 U	12	6.6 J	6.5 J	7.8 U
Tetrachlorobiphenyl	300000	7.6 U	5200	72 U	8.2 U	7.6 U	7.5 U	7.8 U
Trichlorobiphenyl	97000	3.8 U	1200	35 U	4 U	3.8 U	3.7 U	3.8 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-5
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg
Decachlorobiphenyl	21 U	8.3 J	3 J	120	190 U	210 U	200 U	240 U
Dichlorobiphenyl	4.1 U	4.1 U	3.7 U	20	37 U	41 U	39 U	110
Heptachlorobiphenyl	12 U	12 U	11 U	970	110 U	65 J	110 J	520
Hexachlorobiphenyl	8.3 U	1.4 J	3.2 J	1400 J	75 U	220	250	1900
Monochlorobiphenyl	4.1 U	4.1 U	3.7 U	3.8 U	37 U	8.5 J	8.2 J	47 U
Nonachlorobiphenyl	21 U	4 J	3 J	90	190 U	210 U	200 U	240 U
Octachlorobiphenyl	12 U	12 U	11 U	260	110 U	120 U	120 U	59 J
Pentachlorobiphenyl	8.3 U	8.4 U	2.1 J	2200 J	75 U	520	590	5600
Tetrachlorobiphenyl	8.3 U	8.4 U	7.5 U	1600 J	75 U	230	550	3600
Trichlorobiphenyl	4.1 U	4.1 U	3.7 U	360 J	23 J	29 J	55	1200

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-5
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg	SOIL-Q-12-0.5 07/22/02 ug/kg	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg	SOIL-Q-18-0.5 10/07/02 ug/kg
Decachlorobiphenyl	250 U	21 U	24 U	7.4 J	210 U	230 U	22 U	21 U	20 U
Dichlorobiphenyl	120	4.1 U	6.2	4.1 U	40 U	44 U	4.2 U	4 U	3.8 U
Heptachlorobiphenyl	320	350	91	8.7 J	97 J	26 J	2 J	12 U	11 U
Hexachlorobiphenyl	1400	740	170	15	220	72 J	4.5 J	8.2 U	7.7 U
Monochlorobiphenyl	48 U	4.1 U	4.6 U	4.1 U	40 U	44 U	4.2 U	4 U	3.8 U
Nonachlorobiphenyl	250 U	21 U	24 U	21 U	210 U	230 U	22 U	21 U	20 U
Octachlorobiphenyl	75 J	75	20	12 U	120 U	140 U	13 U	12 U	11 U
Pentachlorobiphenyl	5500	1200	330	16	1300	180	8.4 J	8.2 U	7.7 U
Tetrachlorobiphenyl	4700	490	430	2.1 J	970	45 J	8.5 U	8.2 U	7.7 U
Trichlorobiphenyl	1700	24	68	4.1 U	40 U	44 U	4.2 U	4 U	3.8 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-5
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-Q-19-0.5 10/07/02 ug/kg	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg
Decachlorobiphenyl	22 U	360 U	22 U	410 U	21 U	100 U	15 J	58 J	52 J
Dichlorobiphenyl	4.2 U	70 U	4.3 U	80 U	1.1 J	20 U	3.6 U	39 U	30 J
Heptachlorobiphenyl	13 U	210 U	13 U	240 U	42	60 U	33	140	72 J
Hexachlorobiphenyl	8.6 U	31 J	8.8 U	250	95	19 J	50	150	150
Monochlorobiphenyl	4.2 U	70 U	4.3 U	80 U	4 U	20 U	3.6 U	39 U	44 U
Nonachlorobiphenyl	22 U	360 U	22 U	410 U	21 U	100 U	10 J	36 J	230 U
Octachlorobiphenyl	13 U	210 U	13 U	240 U	13	60 U	10 J	33 J	130 U
Pentachlorobiphenyl	1.3 J	100 J	8.8 U	920	160	24 J	130	470	940
Tetrachlorobiphenyl	8.6 U	140 U	8.8 U	630	180 J	40 U	160 J	530 J	1700 J
Trichlorobiphenyl	4.2 U	17 J	4.3 U	70 J	46 J	20 U	47 J	170 J	530 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-5
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-Q-8-0.5 07/19/02 ug/kg	SOIL-Q-9-0.5 07/26/02 ug/kg	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
Decachlorobiphenyl	100 UJ	1100 U	18 U	18 U	19 U	18 U	9200 U	19 U
Dichlorobiphenyl	20 UJ	210 U	3.5 U	3.5 U	3.7 U	3.6 U	100000	3.7 U
Heptachlorobiphenyl	61 UJ	2800	11 U	11 U	11 U	11 U	14000	4.8 J
Hexachlorobiphenyl	41 UJ	2600	7.2 U	7.1 U	7.5 U	3.2 J	34000	29
Monochlorobiphenyl	20 UJ	210 U	3.5 U	3.5 U	3.7 U	3.6 U	87000	3.7 U
Nonachlorobiphenyl	16 J	1100 U	18 U	18 U	19 U	18 U	2300 J	2.9 J
Octachlorobiphenyl	61 UJ	570 J	11 U	11 U	11 U	11 U	1200 J	11 U
Pentachlorobiphenyl	41 UJ	2100	7.2 U	7.1 U	7.5 U	2.5 J	130000	54
Tetrachlorobiphenyl	41 UJ	2600	7.2 U	7.1 U	7.5 U	7.3 U	370000	27
Trichlorobiphenyl	5.8 J	130 J	3.5 U	3.5 U	3.7 U	0.92 J	270000	1.8 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-6
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 ug/kg	SOIL-O-2-0.5 07/10/02 ug/kg	SOIL-O-3-0.5FT 07/01/02 ug/kg	SOIL-OS-1-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT 08/14/02 ug/kg	SOIL-OS-2-0.5FT DUP 08/14/02 ug/kg	SOIL-OS-3-0.5FT 08/14/02 ug/kg	SOIL-OS-4-0.5FT 08/15/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	2700 J	1.8	270 J	1.1 J	0.3 UJ	3 J	0.09 UJ	0.092 U
1,2,3,4,6,7,8-HpCDF	390 J	0.21 J	52	0.31 U	0.079 U	0.53 U	0.11 U	0.13 U
1,2,3,4,7,8,9-HpCDF	28	0.021 U	4.3	0.039 U	0.028 U	0.054 U	0.13 U	0.14 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	4.9	0.055 U	0.28 U	0.074 U	0.034 U	0.056 U	0.11 U	0.098 U
1,2,3,4,7,8-HxCDF	23	0.039 U	3.5	0.042 U	0.015 U	0.072 U	0.13 U	0.053 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	56	0.063 U	10	0.24 U	0.04 U	0.59 U	0.12 U	0.1 U
1,2,3,6,7,8-HxCDF	2.8	0.038 U	0.33 J	0.026 U	0.014 U	0.052 U	0.11 U	0.055 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	8.5	0.052 U	1.1	0.043 U	0.033 U	0.94 U	0.1 U	0.092 U
1,2,3,7,8,9-HxCDF	3.3	0.0073 U	0.52 J	0.056 U	0.023 U	0.022 U	0.11 U	0.076 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	1.9 J	0.03 U	0.1 U	0.028 U	0.034 U	0.033 U	0.061 U	0.27 U
1,2,3,7,8-Pentachlorodibenzofuran	2.9 J	0.004 U	0.38 U	0.044 U	0.017 U	0.027 U	0.029 U	0.083 U
2,3,4,6,7,8-HxCDF	6.5	0.04 U	0.88	0.027 U	0.014 U	0.045 U	0.083 U	0.081 U
2,3,4,7,8-PeCDF	6.7	0.0062 U	0.65	0.023 U	0.018 U	0.029 U	0.03 U	0.082 U
2,3,7,8-TCDD	1.9 J	0.0032 U	0.16 J	0.069 U	0.023 U	0.022 U	0.026 U	0.074 U
2,3,7,8-Tetrachlorodibenzofuran	8	0.0074 U	0.69	0.039 U	0.025 U	0.099 U	0.034 U	0.083 U
OCDD	8900 J	44	4400 J	11 J	2.8 J	33 J	1.1 UJ	0.89 UJ
OCDF	1400 J	1.4	430 J	1.9 J	0.28 UJ	2.4 J	0.42 UJ	0.15 U
Total HpCDD	4600	3.6	470	2.1 J	0.3 UJ	5.7 J	0.09 UJ	0.41 U
Total HpCDF	2400	1.2	320	0.9 J	0.14 UJ	1.3 J	0.13 UJ	0.14 U
Total HxCDD	200	0.084 U	33	0.24 U	0.053 U	0.94 U	0.12 U	0.094 U
Total HxCDF	260	1.2 U	65	0.3 U	0.03 U	0.19 U	0.13 U	0.083 U
Total PeCDD	49	0.16 U	6.6	0.049 U	0.24 U	0.24 U	0.25 U	0.27 U
Total PeCDF	41	0.011 U	5.5	0.53 U	0.026 U	0.12 U	0.03 U	0.1 U
Total TCDD	24	0.0097 U	2.3	0.069 U	0.023 U	0.099 U	0.026 U	0.13 U
Total TCDF	79	0.0074 U	9.8	0.28 U	0.025 U	0.099 U	0.034 U	0.083 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-6
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-P-1-0.5 07/16/02 ug/kg	SOIL-P-2-0.5 07/16/02 ug/kg	SOIL-P-3-0.5 07/17/02 ug/kg	SOIL-P-4-0.5 07/16/02 ug/kg	SOIL-Q-1-0.5FT 07/26/02 ug/kg	SOIL-Q-10-0.5 07/26/02 ug/kg	SOIL-Q-10-0.5-DUP 07/26/02 ug/kg	SOIL-Q-11-0.5 07/22/02 ug/kg	SOIL-Q-11-0.5-DUP 07/22/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	1.1 J	19	3.3	0.33 U	0.73 J	17 J	16 J	400 J	120 J
1,2,3,4,6,7,8-HpCDF	0.26 U	1.2 J	0.46 U	0.26 U	0.11 UJ	2.4 J	1.6 J	61	21
1,2,3,4,7,8,9-HpCDF	0.098 U	0.1 U	0.13 U	0.13 U	0.13 UJ	0.48 UJ	0.27 UJ	6.1	13
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.08 U	0.16 U	0.27 U	0.18 U	0.1 UJ	0.31 UJ	0.46 UJ	0.64 U	0.21 U
1,2,3,4,7,8-HxCDF	0.11 UJ	0.092 U	0.086 U	0.12 UJ	0.072 UJ	0.97 J	0.37 UJ	5	15
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.11 U	0.53 U	0.25 U	0.19 U	0.07 UJ	0.69 UJ	0.47 UJ	12 J	2.7 J
1,2,3,6,7,8-HxCDF	0.052 U	0.087 U	0.045 U	0.11 U	0.07 UJ	0.38 UJ	0.073 UJ	1.3 J	4 J
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.084 U	0.24 U	0.22 U	0.19 U	0.045 UJ	0.43 UJ	0.42 UJ	0.4 U	0.2 U
1,2,3,7,8,9-HxCDF	0.11 U	0.076 U	0.11 U	0.12 U	0.12 UJ	0.35 UJ	0.15 UJ	0.51 UJ	1.7 J
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.081 U	0.47 UJ	0.24 UJ	0.22 UJ	0.076 UJ	0.25 UJ	0.095 UJ	0.31 U	0.41 U
1,2,3,7,8-Pentachlorodibenzofuran	0.039 U	0.13 UJ	0.1 UJ	0.062 UJ	0.036 UJ	0.28 UJ	0.096 UJ	0.42 U	0.94 J
2,3,4,6,7,8-HxCDF	0.063 U	0.077 U	0.093 U	0.11 U	0.062 UJ	0.44 UJ	0.15 UJ	0.84 U	2.5
2,3,4,7,8-PeCDF	0.055 U	0.29 U	0.15 U	0.12 U	0.042 UJ	0.39 UJ	0.15 UJ	1.3 J	3.4
2,3,7,8-TCDD	0.037 U	0.16 U	0.12 U	0.098 U	0.041 UJ	0.088 UJ	0.055 UJ	0.23 U	0.13 U
2,3,7,8-Tetrachlorodibenzofuran	0.027 U	0.11 U	0.12 U	0.069 U	0.039 UJ	0.26 UJ	0.074 UJ	0.13 U	0.27 U
OCDD	13 U	540 J	43 J	4.6 U	22 J	240 J	250 J	3600 J	1200 J
OCDF	1.3 U	33	7.5	0.92 U	0.63 UJ	7.8 J	7.4 J	420 J	120 J
Total HpCDD	2	38	5.9	0.33 U	0.73 J	34 J	32 J	630 J	180 J
Total HpCDF	0.66	6.6	1.3	0.26 U	0.21 UJ	7.3 J	6.3 J	360 J	110 J
Total HxCDD	0.11 U	0.85	0.3 U	0.23 U	0.1 UJ	0.97 J	0.9 J	34 J	11 J
Total HxCDF	0.11 UJ	0.79 U	0.18 U	0.16 U	0.12 UJ	2.8 J	1 J	59	47
Total PeCDD	0.18 U	0.47 UJ	0.3 UJ	0.53 UJ	0.079 UJ	0.41 UJ	0.13 UJ	1.6 U	0.53 U
Total PeCDF	0.055 U	0.29 UJ	0.36 UJ	0.25 UJ	0.042 UJ	0.52 UJ	0.26 UJ	3.6 J	13 J
Total TCDD	0.037 U	0.16 U	0.12 U	0.098 U	0.041 UJ	0.53 J	0.48 J	0.34 U	0.21 U
Total TCDF	0.027 U	0.15 U	0.12 U	0.19 U	0.039 UJ	1.9 J	0.29 J	1.6	3.6

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-6
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-Q-12-0.5 07/22/02 ug/kg	SOIL-Q-13-0.5 10/07/02 ug/kg	SOIL-Q-13-0.5FT 08/15/02 ug/kg	SOIL-Q-14-0.5 10/07/02 ug/kg	SOIL-Q-15-0.5 10/07/02 ug/kg	SOIL-Q-16-0.5 10/07/02 ug/kg	SOIL-Q-17-0.5 10/07/02 ug/kg	SOIL-Q-18-0.5 10/07/02 ug/kg	SOIL-Q-19-0.5 10/07/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	3.2 J	2.6	1 J	2.1	0.94 J	0.26 U	0.2 U	0.2 U	0.62 U
1,2,3,4,6,7,8-HpCDF	0.75 U	0.44 U	0.39 U	0.5 U	0.27 U	0.27 U	0.29 U	0.33 U	0.39 U
1,2,3,4,7,8,9-HpCDF	0.15 U	0.11 U	0.15 U	0.18 U	0.15 U	0.17 U	0.15 U	0.18 U	0.22 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.088 U	0.055 U	0.071 U	0.062 U	0.044 U	0.025 U	0.024 U	0.018 U	0.03 U
1,2,3,4,7,8-HxCDF	0.2 U	0.15 U	0.15 U	0.036 U	0.17 U	0.12 U	0.044 U	0.049 U	0.12 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.2 U	0.056 UJ	0.063 U	0.1 UJ	0.11 UJ	0.075 UJ	0.069 UJ	0.087 UJ	0.099 UJ
1,2,3,6,7,8-HxCDF	0.22 U	0.057 U	0.077 U	0.082 U	0.086 U	0.053 U	0.039 U	0.046 U	0.06 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.064 U	0.14 U	0.067 U	0.091 U	0.07 U	0.061 U	0.045 U	0.082 U	0.11 U
1,2,3,7,8,9-HxCDF	0.11 UJ	0.07 U	0.047 U	0.056 U	0.062 U	0.057 U	0.057 U	0.07 U	0.11 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.12 U	0.35 U	0.24 U	0.2 U	0.35 U	0.14 U	0.16 U	0.45 U	0.29 U
1,2,3,7,8-Pentachlorodibenzofuran	0.063 U	0.075 U	0.096 U	0.047 U	0.059 U	0.04 U	0.043 U	0.063 U	0.075 U
2,3,4,6,7,8-HxCDF	0.081 U	0.085 U	0.054 U	0.049 U	0.059 U	0.058 U	0.045 U	0.05 U	0.058 U
2,3,4,7,8-PeCDF	0.051 U	0.17 U	0.052 U	0.11 U	0.094 U	0.087 U	0.082 U	0.086 U	0.09 U
2,3,7,8-TCDD	0.029 U	0.038 U	0.076 U	0.033 U	0.025 U	0.026 U	0.028 U	0.035 U	0.032 U
2,3,7,8-Tetrachlorodibenzofuran	0.2 U	0.18 U	0.088 U	0.085 U	0.08 U	0.021 U	0.022 U	0.03 U	0.033 U
OCDD	26	37	11 J	26	15	5.1	5.2	75	29
OCDF	3.1 J	1.8 J	1.3 U	1.9 J	0.43 UJ	0.25 UJ	0.32 UJ	0.3 UJ	0.61 UJ
Total HpCDD	5.3 J	4.8	1	3.7	1.8	0.26 U	0.3 U	0.2 U	0.62 U
Total HpCDF	2 J	1.3	0.76 U	1.3	0.31 U	0.27 U	0.29 U	0.33 U	0.39 U
Total HxCDD	0.23 U	0.21 UJ	0.12 U	0.49 UJ	0.11 UJ	0.075 UJ	0.069 UJ	0.087 UJ	0.11 UJ
Total HxCDF	0.51 U	0.79	0.17 U	0.21 U	0.19 U	0.13 U	0.068 U	0.087 U	0.14 U
Total PeCDD	0.33 U	0.39 U	0.24 U	0.3 U	0.42 U	0.36 U	0.27 U	0.47 U	0.29 U
Total PeCDF	0.23 U	0.27 U	0.096 U	0.14 U	0.12 U	0.1 U	0.099 U	0.16 U	0.13 U
Total TCDD	0.053 U	0.038 U	0.076 U	0.033 U	0.025 U	0.026 U	0.028 U	0.035 U	0.032 U
Total TCDF	0.2 U	0.18 U	0.11 U	0.09 U	0.082 U	0.067 U	0.07 U	0.06 U	0.062 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-6
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-Q-2-0.5 07/18/02 ug/kg	SOIL-Q-20-0.5 10/07/02 ug/kg	SOIL-Q-3-0.5 07/17/02 ug/kg	SOIL-Q-4-0.5 07/18/02 ug/kg	SOIL-Q-5-0.5 07/17/02 ug/kg	SOIL-Q-6-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5 07/19/02 ug/kg	SOIL-Q-7-0.5-DUP 07/19/02 ug/kg	SOIL-Q-8-0.5 07/19/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	3.6	0.23 U	1.1 J	25 J	0.5 U	0.54 U	170	200	0.79 J
1,2,3,4,6,7,8-HpCDF	1 J	0.39 U	0.39 U	3	0.11 U	0.088 U	59	53	0.2 U
1,2,3,4,7,8,9-HpCDF	0.086 U	0.32 U	0.091 U	0.57 U	0.075 U	0.068 U	2.5 U	2.2 U	0.14 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.3 U	0.013 U	0.037 U	0.6 U	0.1 U	0.13 U	0.086 U	1.1 U	0.26 U
1,2,3,4,7,8-HxCDF	0.038 U	0.077 U	0.054 U	0.33 UJ	0.086 U	0.055 U	0.77 U	1.7 U	0.14 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.12 U	0.11 UJ	0.059 U	0.58 U	0.1 U	0.12 U	1.4 J	6.3 U	0.28 U
1,2,3,6,7,8-HxCDF	0.04 U	0.053 U	0.025 U	0.26 U	0.024 U	0.12 U	1.2 U	1.9 UJ	0.44 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.054 U	0.057 U	0.03 U	0.36 U	0.067 U	0.073 U	0.077 U	2.2 U	0.36 U
1,2,3,7,8,9-HxCDF	0.036 U	0.089 U	0.024 U	0.19 U	0.049 U	0.06 U	0.2 U	1.3 U	0.3 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.13 U	0.37 U	0.089 U	0.32 U	0.074 U	0.29 U	0.39 U	1.2 U	0.46 U
1,2,3,7,8-Pentachlorodibenzofuran	0.027 U	0.064 U	0.047 U	0.077 U	0.018 U	0.019 UJ	0.54 UJ	0.71 UJ	0.052 UJ
2,3,4,6,7,8-HxCDF	0.044 U	0.069 U	0.041 U	0.29 U	0.1 U	0.096 U	0.21 U	0.65 U	0.22 U
2,3,4,7,8-PeCDF	0.035 U	0.1 U	0.045 U	0.055 U	0.017 U	0.037 U	1.6 U	3.2 U	0.12 U
2,3,7,8-TCDD	0.012 U	0.024 U	0.029 U	0.067 U	0.027 U	0.036 U	0.48 J	0.77 U	0.087 U
2,3,7,8-Tetrachlorodibenzofuran	0.035 U	0.025 U	0.042 U	0.13 U	0.021 U	0.032 U	0.58 J	0.74 J	0.063 U
OCDD	49 J	6.9	20	3200 J	9.2 U	16	2200 J	1700 J	11
OCDF	7.7	0.5 UJ	3	28 J	0.37 U	0.48 U	710 J	570	0.52 U
Total HpCDD	6.5	0.29 U	2	46 J	0.5 U	0.54 U	300	320	0.79
Total HpCDF	4.6	0.39 U	1.3	14	0.22 U	0.25 U	260	230	0.35 U
Total HxCDD	0.3 U	0.11 UJ	0.073 U	1.1	0.11 U	0.13 U	19	7.8 U	0.36 U
Total HxCDF	0.56 U	0.11 U	0.14 U	1.4 U	0.1 U	0.12 U	6.1	17	0.44 U
Total PeCDD	0.13 U	0.37 U	0.2 U	0.32 U	0.16 U	0.29 U	1.8 U	2.7 U	0.46 U
Total PeCDF	0.035 U	0.12 U	0.064 U	0.15 U	0.03 U	0.037 U	4.7	7.6 U	0.12 U
Total TCDD	0.056 U	0.024 U	0.029 U	0.2 U	0.33	0.036 U	0.48	0.77 U	0.087 U
Total TCDF	0.037 U	0.11 U	0.087 U	0.13 U	0.021 U	0.032 U	8.9	5	0.063 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-6
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-Q-9-0.5 07/26/02 ug/kg	SOIL-R-1-0.5 07/11/02 ug/kg	SOIL-R-2-0.5 07/11/02 ug/kg	SOIL-R-3-0.5FT 07/12/02 ug/kg	SOIL-R-4-0.5FT 07/12/02 ug/kg	SOIL-S-1-0.5 07/01/02 ug/kg	SOIL-S-2-0.5 07/10/02 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	7 J	0.16 U	0.3 U	0.15 U	0.049 U	0.2 J	0.77
1,2,3,4,6,7,8-HpCDF	1.8 J	0.046 U	0.22 U	0.24 U	0.35 U	0.03 U	0.1 U
1,2,3,4,7,8,9-HpCDF	0.71 UJ	0.023 U	0.36 U	0.29 U	0.18 U	0.011 U	0.015 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.39 UJ	0.021 U	0.25 U	0.14 U	0.028 U	0.0052 U	0.0085 U
1,2,3,4,7,8-HxCDF	0.93 J	0.02 U	0.11 U	0.12 U	0.075 U	0.003 U	0.011 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.63 UJ	0.024 U	0.27 U	0.15 U	0.073 U	0.016 U	0.033 U
1,2,3,6,7,8-HxCDF	0.65 UJ	0.015 U	0.15 U	0.12 U	0.053 U	0.018 U	0.025 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.68 UJ	0.024 U	0.22 U	0.13 U	0.078 U	0.0077 U	0.016 U
1,2,3,7,8,9-HxCDF	0.72 UJ	0.018 U	0.11 U	0.17 U	0.11 U	0.0058 U	0.0061 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.4 UJ	0.031 U	0.17 U	0.054 U	0.2 U	0.0061 U	0.0098 U
1,2,3,7,8-Pentachlorodibenzofuran	0.43 UJ	0.0095 U	0.11 U	0.04 U	0.032 U	0.0026 U	0.0028 U
2,3,4,6,7,8-HxCDF	0.71 UJ	0.021 U	0.16 U	0.18 U	0.067 U	0.0037 U	0.0094 U
2,3,4,7,8-PeCDF	0.55 UJ	0.0096 U	0.15 U	0.032 U	0.054 U	0.0037 U	0.0045 U
2,3,7,8-TCDD	0.14 UJ	0.018 U	0.11 U	0.037 U	0.021 U	0.0032 U	0.15 J
2,3,7,8-Tetrachlorodibenzofuran	0.3 UJ	0.0098 U	0.12 U	0.026 U	0.019 U	0.012 U	0.011 U
OCDD	87 J	8.1 U	0.97 U	0.96 UJ	2.9 U	9	21
OCDF	6.6 J	0.12 U	0.51 U	0.65 UJ	0.46 U	0.14 U	0.68 J
Total HpCDD	13 J	0.16 U	0.34 U	0.61 U	0.049 U	0.4	1.4
Total HpCDF	5 J	0.069 U	0.39 U	0.4 U	0.35 U	0.096 U	0.42
Total HxCDD	1.9 J	0.032 U	0.32 U	0.15 U	0.078 U	0.018 U	0.044 U
Total HxCDF	1.8 J	0.021 U	0.16 U	0.18 U	0.13 U	0.018 U	0.062 U
Total PeCDD	0.4 UJ	0.13 U	0.41 U	0.31 U	0.2 U	0.059 U	0.08 U
Total PeCDF	0.64 UJ	0.019 U	0.15 U	0.04 U	0.071 U	0.0091 U	0.011 U
Total TCDD	0.22 UJ	0.018 U	0.11 U	0.037 U	0.021 U	0.0032 U	0.15
Total TCDF	1.5 J	0.015 U	0.19 U	0.042 U	0.063 U	0.012 U	0.011 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-7
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-O-1-0.5 07/10/02 mg/kg	SOIL-O-2-0.5 07/10/02 mg/kg	SOIL-O-3-0.5 07/10/02 mg/kg	SOIL-OS-1-0.5FT 08/14/02 mg/kg	SOIL-OS-2-0.5FT 08/14/02 mg/kg	SOIL-OS-2-0.5FT DUP 08/14/02 mg/kg	SOIL-OS-3-0.5FT 08/14/02 mg/kg	SOIL-OS-4-0.5FT 08/15/02 mg/kg
Aluminum	5200 J	7400 J	8600 J	6000	7200	8200	6200	5100
Antimony	0.81 J	0.74 J	2.1 UJ	2 UJ	1.9 J	1.5 J	0.93 J	2.1 UJ
Arsenic	11	5.1	6.3	3.2	8.8	9.3	6.2	5.4
Barium	340 J	100 J	130 J	42	190	200	170	170
Beryllium	0.39	0.46	0.54	0.19	0.57	0.6	0.41	0.4
Cadmium	17 J	0.54 J	1.7 J	2.5	4.5	2.1	1.1 J	0.34 J
Calcium	4900	26000	6600	220000	3400	3100	3100	11000
Chromium	16	13	15	7	13	13	11	9.3
Cobalt	5.9 J	6.6 J	6.9 J	1.5	6.6	6.4	3.3	5.3
Copper	270	26	40	53	150 J	43 J	30	12
Iron	11000	15000	16000	4800	14000	15000	12000	11000
Lead	130 J	14 J	20 J	78 J	130 J	77 J	78 J	31 J
Magnesium	2300 J	8500 J	4100 J	17000	2400	2800	1700	5500
Manganese	420	530	490	150	410	380	86	260
Mercury	43	0.049	2.9	0.029	0.11	0.08	0.093	0.057
Nickel	28	18	18	16	27	18	12	14
Potassium	720 J	850 J	860 J	530 J	2300 J	2300 J	1900	1300 J
Selenium	3.1 U	1.1 U	1.1 U	0.98 U	0.62 J	1 U	1.1 U	1.1 U
Silver	2.9	1.1 U	1.1 U	0.24	0.67	1 U	1.1 U	1.1 U
Sodium	96 J	110 J	85 J	230	87 U	82 U	75 U	93 U
Thallium	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	1 U	1.1 U	1.1 U
Vanadium	19 J	28 J	28 J	8.8 J	22 J	25 J	21 J	18 J
Zinc	940 J	70 J	130 J	210	440	260	210	55

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-7
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-P-1-0.5 07/16/02 mg/kg	SOIL-P-2-0.5 07/16/02 mg/kg	SOIL-P-3-0.5 07/17/02 mg/kg	SOIL-P-4-0.5 07/16/02 mg/kg	SOIL-Q-1-0.5FT 07/26/02 mg/kg	SOIL-Q-10-0.5 07/26/02 mg/kg	SOIL-Q-10-0.5-DUP 07/26/02 mg/kg	SOIL-Q-11-0.5 07/22/02 mg/kg	SOIL-Q-11-0.5-DUP 07/22/02 mg/kg
Aluminum	4000	6000	3200	6000	4100	10000	11000	11000	9900
Antimony	1.6 J	0.62 J	0.56 J	1.9 UJ	0.54 J	3 J	2.5 J	26 J	20 J
Arsenic	26 J	9.4	17 J	4 J	3.1 J	20	14	18	17
Barium	120	180 J	87	77	85	690	730	1300	1500
Beryllium	1.8	0.85	1.5	0.42	0.23	0.71	0.79	0.64	0.62
Cadmium	2	3	1	0.62	1.3	13	11	30	29
Calcium	3200	70000	6600	13000	230000	12000	13000	70000	73000
Chromium	19	14	16	13	16	51	48	170	150
Cobalt	13 J	7.6 J	9.7 J	6.2 J	2.7	12	11	16	16
Copper	64	59 J	51	21	19 J	300 J	410 J	2600	870
Iron	9200	11000	7300	12000	7100	71000	40000	59000	63000
Lead	74	170 J	57	15	63	390	490	2600	2000
Magnesium	460	4300	780	7900	6100	3100	3300	4000	5700
Manganese	31	360 J	80	390	290	670	520	790	680
Mercury	0.23	0.072 J	0.088	0.068	0.076 J	2.5 J	2.7 J	2.3	4.1
Nickel	47	21	25	17	9.3	61	49	77	77
Potassium	690 J	1400 J	550 J	990 J	680	900	1000	1100 J	1100 J
Selenium	7	1.1 UJ	1.6	0.95 U	1 U	1.1 U	1 U	3 J	2.5 J
Silver	0.22	0.23	0.13	0.95 U	1 U	2	2.5	17	8.3
Sodium	260	180	250	47 U	190 U	190 U	200 U	620	480
Thallium	1.3	1.1 U	1 U	0.95 U	1 U	1.1 U	1.2 U	1.4 U	6.6 U
Vanadium	44	21	26	25	17	30	32	26	28
Zinc	200 J	390 J	190 J	85 J	150 J	1200 J	1200 J	3400	3600

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-7
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-Q-12-0.5 07/22/02 mg/kg	SOIL-Q-13-0.5 10/07/02 mg/kg	SOIL-Q-13-0.5FT 08/15/02 mg/kg	SOIL-Q-14-0.5 10/07/02 mg/kg	SOIL-Q-15-0.5 10/07/02 mg/kg	SOIL-Q-16-0.5 10/07/02 mg/kg	SOIL-Q-17-0.5 10/07/02 mg/kg	SOIL-Q-18-0.5 10/07/02 mg/kg	SOIL-Q-19-0.5 10/07/02 mg/kg
Aluminum	12000	14000	9600	7200	11000	7600	4000	3800	7400
Antimony	2.2 UJ	2.6 U	2.3 UJ	2.2 U	2.7 U	2.5 U	2.2 U	2.1 U	2.3 U
Arsenic	6	7.9	7.1	5.1	5	5.5	4.2	3.3	4.3
Barium	200	250	190	180	180	150	100	86	160
Beryllium	0.82	0.99	0.67	0.53	0.97	0.54	0.31	0.28	0.54
Cadmium	1.4	2.4	1.1 J	1.8	1.9 J	1 J	0.92	0.41	1 J
Calcium	9800	13000	6200	11000	9000	11000	8400	7400	9300
Chromium	20	24	15	17	20	13	8.2	8	13
Cobalt	8.8	11 J	6.9	6.8 J	8.6 J	6.8 J	5.2 J	5 J	6.8 J
Copper	33	42	23	86	35	21	10	7	20
Iron	19000	24000	16000	14000	19000	15000	9600	9200	14000
Lead	47	60	35	62	48	27	20	15	30
Magnesium	4300	4900	3900	4200	4300	5000	3000	2700	4200
Manganese	460	660	490	380	320	380	320	290	370
Mercury	0.059	0.14	0.06 J	0.13	0.16	0.078	0.036	0.021	0.052
Nickel	22	27	18	29	22	17	12	11	16
Potassium	1600 J	2300	1500	1300	1600	1400	810	710	1200
Selenium	1.1 UJ	1.3 U	1.1 U	1.1 U	1.4 U	1.3 U	1.1 U	1 U	1.2 U
Silver	1.1 U	0.18	1.1 U	0.11	1.4 U	1.3 U	1.1 U	1 U	1.2 U
Sodium	110 U	99 U	75 U	100 U	110 U	100 U	78 U	78 U	110 U
Thallium	1.1 U	1.9	1.1 U	1.1 U	0.97	1.1	1.1 U	1 U	0.79
Vanadium	30	36	26 J	21	31	22	14	13	22
Zinc	210	260	150	240	260	140	140	100	160

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 4-7
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 6010/7471/D2216 - Inorganic Data

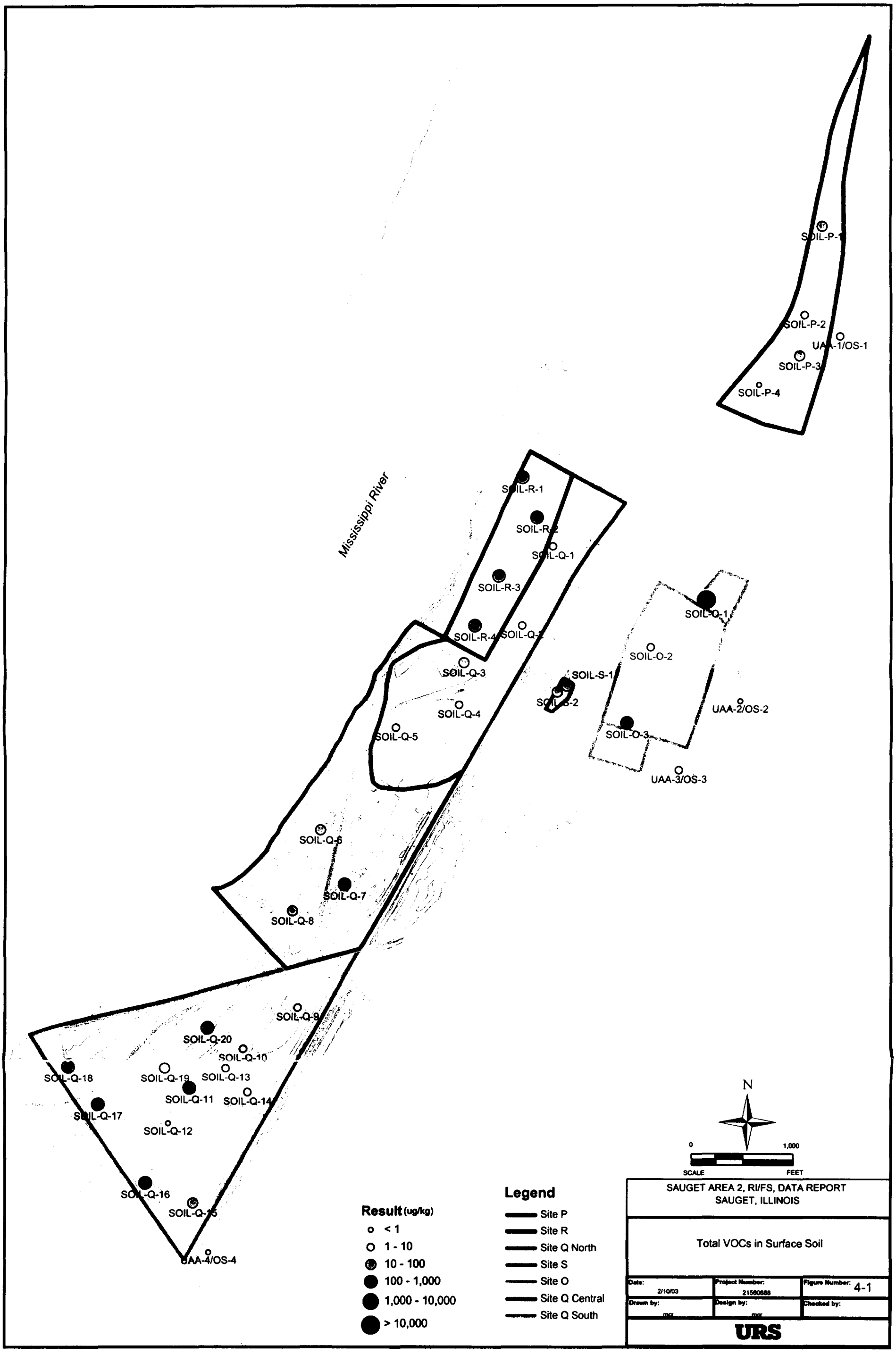
Sample ID Sample Date Units Compound	SOIL-Q-2-0.5 07/18/02 mg/kg	SOIL-Q-20-0.5 10/07/02 mg/kg	SOIL-Q-3-0.5 07/17/02 mg/kg	SOIL-Q-4-0.5 07/18/02 mg/kg	SOIL-Q-5-0.5 07/17/02 mg/kg	SOIL-Q-6-0.5 07/19/02 mg/kg	SOIL-Q-7-0.5 07/19/02 mg/kg	SOIL-Q-7-0.5-DUP 07/19/02 mg/kg	SOIL-Q-8-0.5 07/19/02 mg/kg
Aluminum	1200	9000	11000	3200	1400	5200	3200	6100	3400
Antimony	1.6 J	2.6 U	2.2 UJ	0.82 J	0.71 J	1.9 J	1.6 J	4.9 J	0.94 J
Arsenic	6	7.1	11 J	8.9	5.6 J	13	3.5	7.9	3.2
Barium	61 J	170	2900	81 J	87	110 J	170 J	590 J	93 J
Beryllium	0.3	0.71	0.82	0.95	0.54	0.64	0.21	0.29	0.24
Cadmium	92	1.6 J	0.57	6.2	0.66	2	1.3	1.9	0.69
Calcium	120000	8900	14000	52000	5800	79000	260000	220000	210000
Chromium	8.9 J	16	20	10	9.9	11	14	26	12
Cobalt	16 J	8.4 J	9.6 J	6.5 J	4.2 J	5 J	2.1 J	3.2 J	2.4 J
Copper	230 J	21	31	39 J	37	40 J	15 J	26 J	54 J
Iron	14000	17000	24000	13000	11000	16000	5600	9900	7100
Lead	1100 U	29	270	85 J	20	74 J	240 J	480 J	52 J
Magnesium	9700	4100	3000	7700	940	6200	12000	5200	17000
Manganese	210 J	630	530	490 J	140	170 J	140 J	160 J	240 J
Mercury	0.076 J	0.065	0.4	0.15 J	0.024	0.15 J	0.022 UJ	0.052 J	0.27 J
Nickel	14	19	31	20	15	14	8.9	13	9.5
Potassium	330 J	1500	2300 J	820 J	290 J	940 J	730 J	1200 J	1100 J
Selenium	0.97 UJ	1.3 U	1.1 U	0.71 J	1.2 U	1 UJ	1.2 UJ	1.2 UJ	1.1 UJ
Silver	5.2	1.3 U	1.1 U	0.24	1.2 U	0.11	0.19	0.16	0.14
Sodium	560	100 U	180	220	290	240	340	430	370
Thallium	0.97 U	1.3 U	1.1 U	1.1 U	1.2 U	1 U	1.2 U	1.2 U	1.1 U
Vanadium	8.3	26	28	21	8.2	18	18	23	13
Zinc	8000 J	270	200 J	930 J	110 J	340 J	320 J	1800 J	100 J

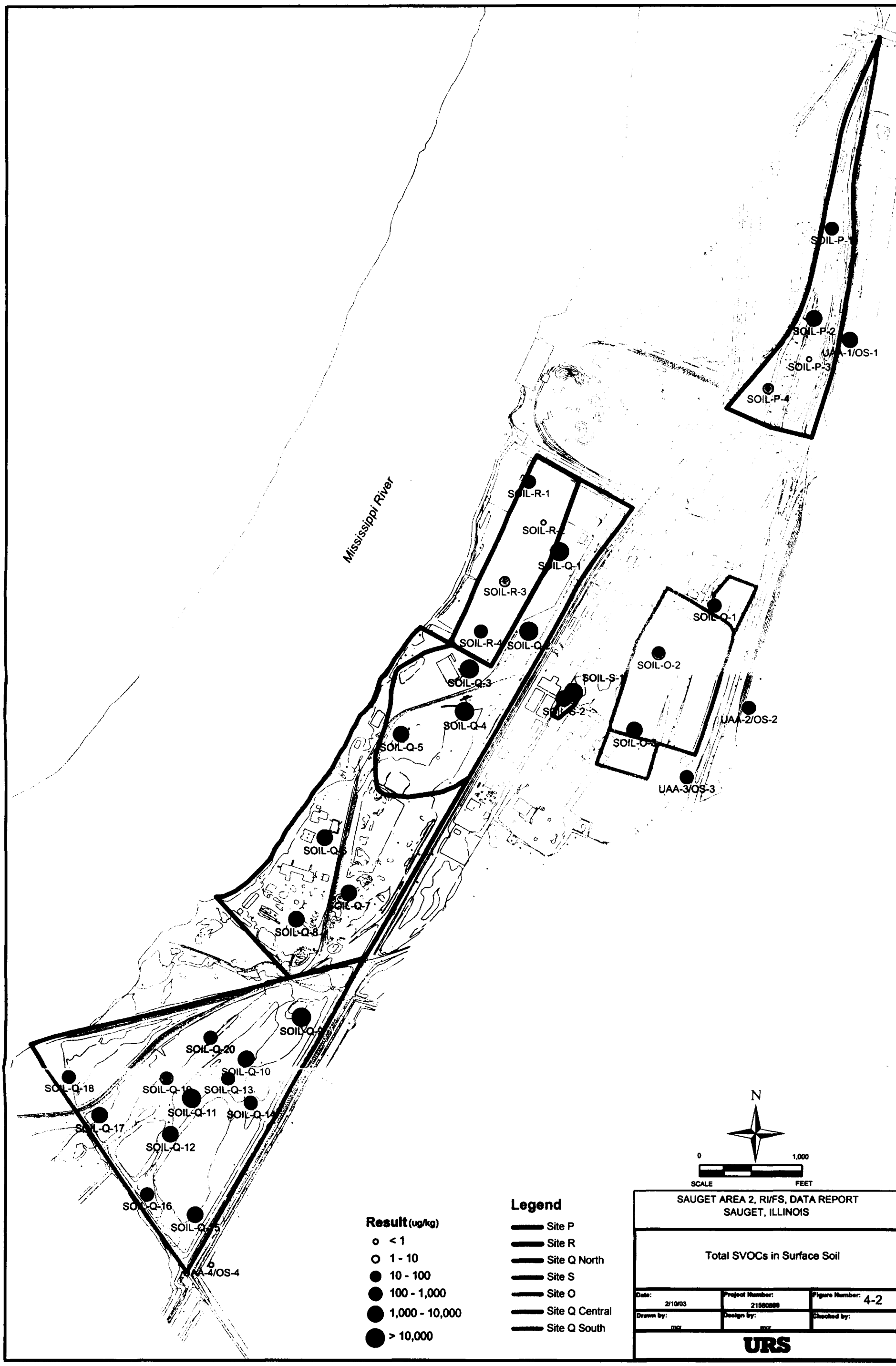
DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

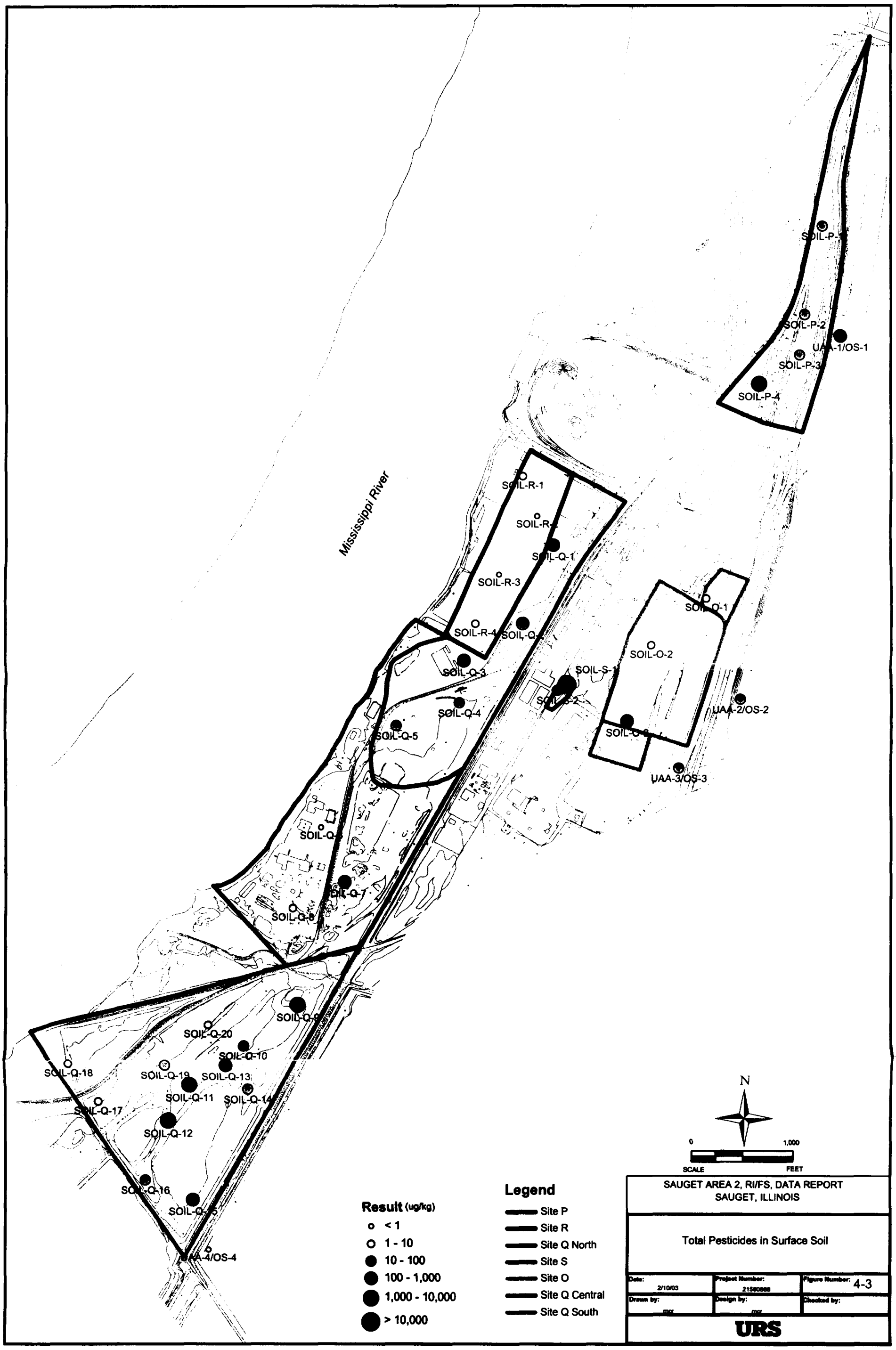
Table 4-7
Sauget Area 2 RI/FS Data Report - Surface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-Q-9-0.5 07/26/02 mg/kg	SOIL-R-1-0.5 07/11/02 mg/kg	SOIL-R-2-0.5 07/11/02 mg/kg	SOIL-R-3-0.5FT 07/12/02 mg/kg	SOIL-R-4-0.5FT 07/12/02 mg/kg	SOIL-S-1-0.5 07/01/02 mg/kg	SOIL-S-2-0.5 07/10/02 mg/kg
Aluminum	11000	8700 J	7600 J	10000 J	8700 J	7300 J	5300 J
Antimony	47 J	0.44 J	1.9 UJ	2.2 UJ	2 UJ	0.58 J	0.8 J
Arsenic	33	7.2	5.5	6.6	6.1	5.8	5.8
Barium	1000	150 J	110 J	120 J	120 J	120 J	84 J
Beryllium	0.54	0.68	0.48	0.6	0.49	0.46	0.34
Cadmium	22	0.49 J	0.76 J	0.56 U	0.49 U	0.85 J	1.6 J
Calcium	22000	4400	6400	6100	5500	4900	200000
Chromium	660	17	13	17	14	23	22 J
Cobalt	20	15 J	6.9 J	8.3	6.8	9.4 J	4.1 J
Copper	710 J	23	25	15	15	23	46
Iron	90000	18000	15000	18000	16000	13000	9400
Lead	3100	33 J	19 J	10 J	8.6 J	63 J	75 J
Magnesium	3800	3400 J	4600 J	4800 J	4500 J	2600 J	8900 J
Manganese	2100	1200	560	690	550	670	300
Mercury	1 J	0.037	0.076	0.06	0.063	0.074	0.17
Nickel	500	20	17	21	18	20	13
Potassium	970	880 J	820 J	1000 J	790 J	870 J	910 J
Selenium	2.6 U	0.98 U	0.97 U	1.1 U	0.99 U	0.99 U	1 U
Silver	12	0.98 U	0.97 U	1.1 U	0.99 U	0.99 U	1 U
Sodium	420	90 J	87 J	120 J	110 J	79 J	170 J
Thallium	2.3 U	0.98 U	0.97 U	1.1 UJ	0.99 UJ	0.99 U	1 U
Vanadium	27	34 J	27 J	30 J	29 J	24 J	17 J
Zinc	3000 J	91 J	120 J	47 J	43 J	110 J	220 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported


SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
Mississippi River
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
UAA-2/OS-2
SOIL-O-3
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
SOIL-Q-18
SOIL-Q-19
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total VOCs in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-1
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
SOIL-Q-18
SOIL-Q-19
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
SOIL-Q-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-2
Drawn by: mcr
Design by: mcr
Checked by:
URS

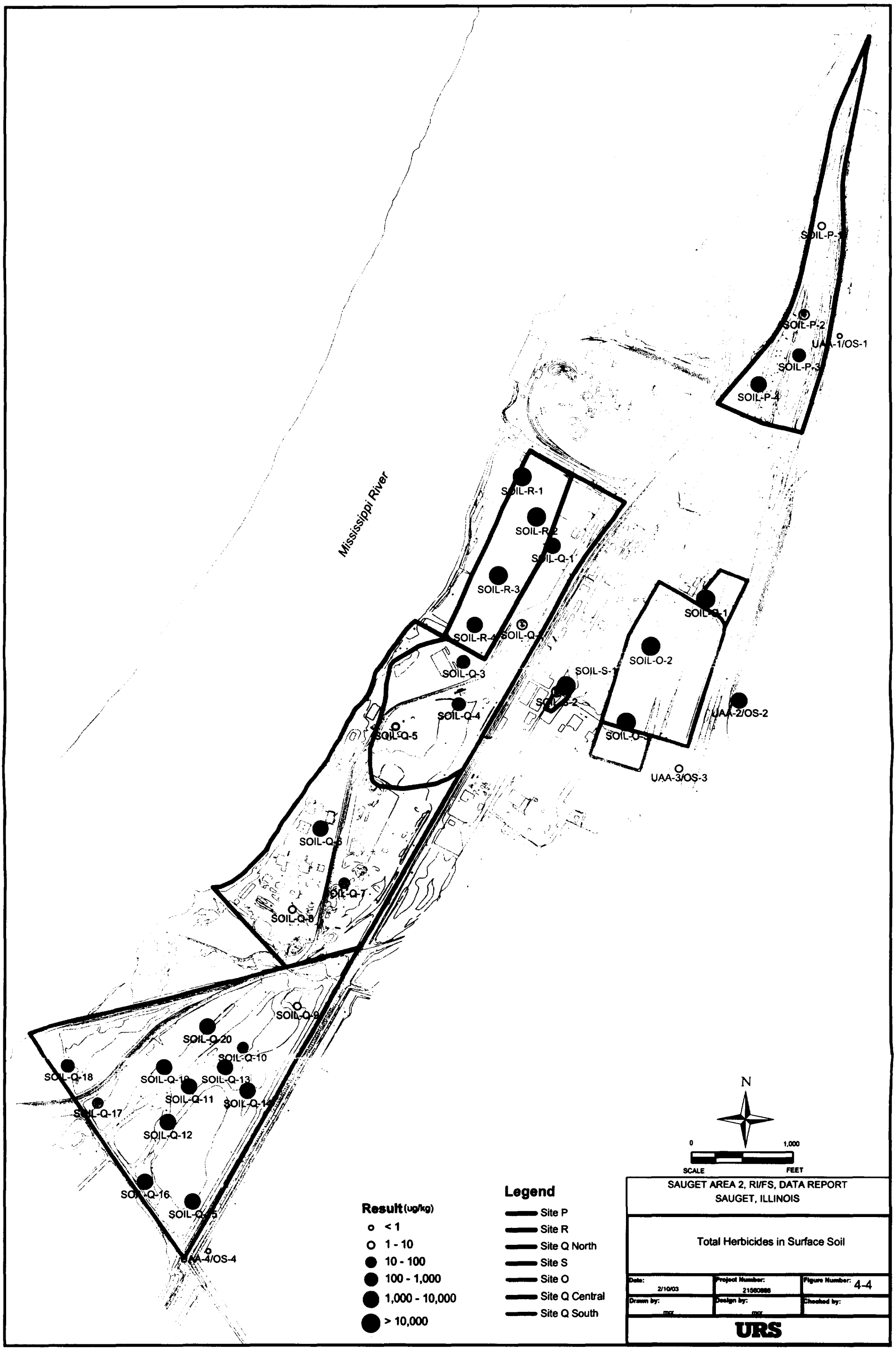


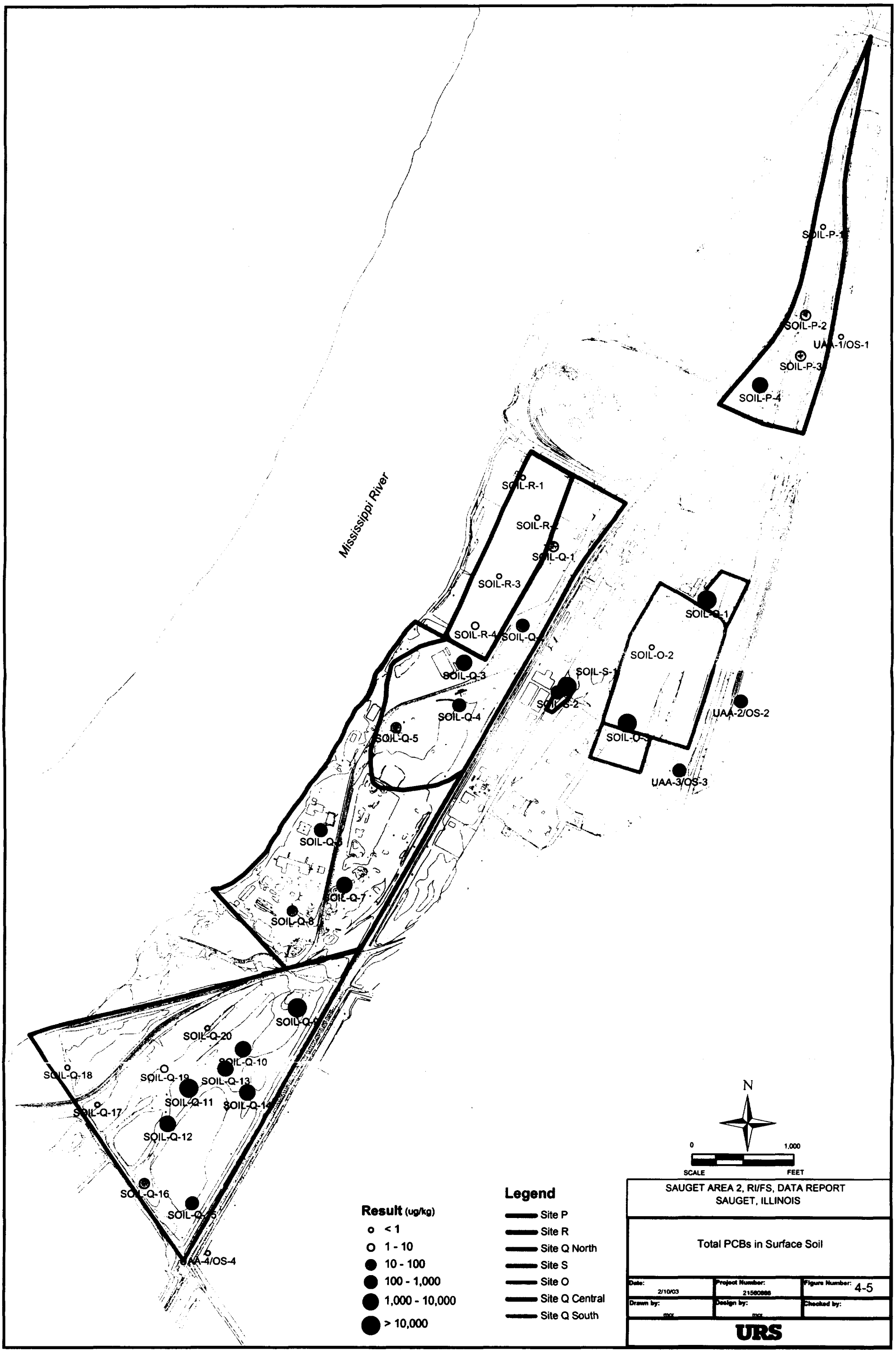
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

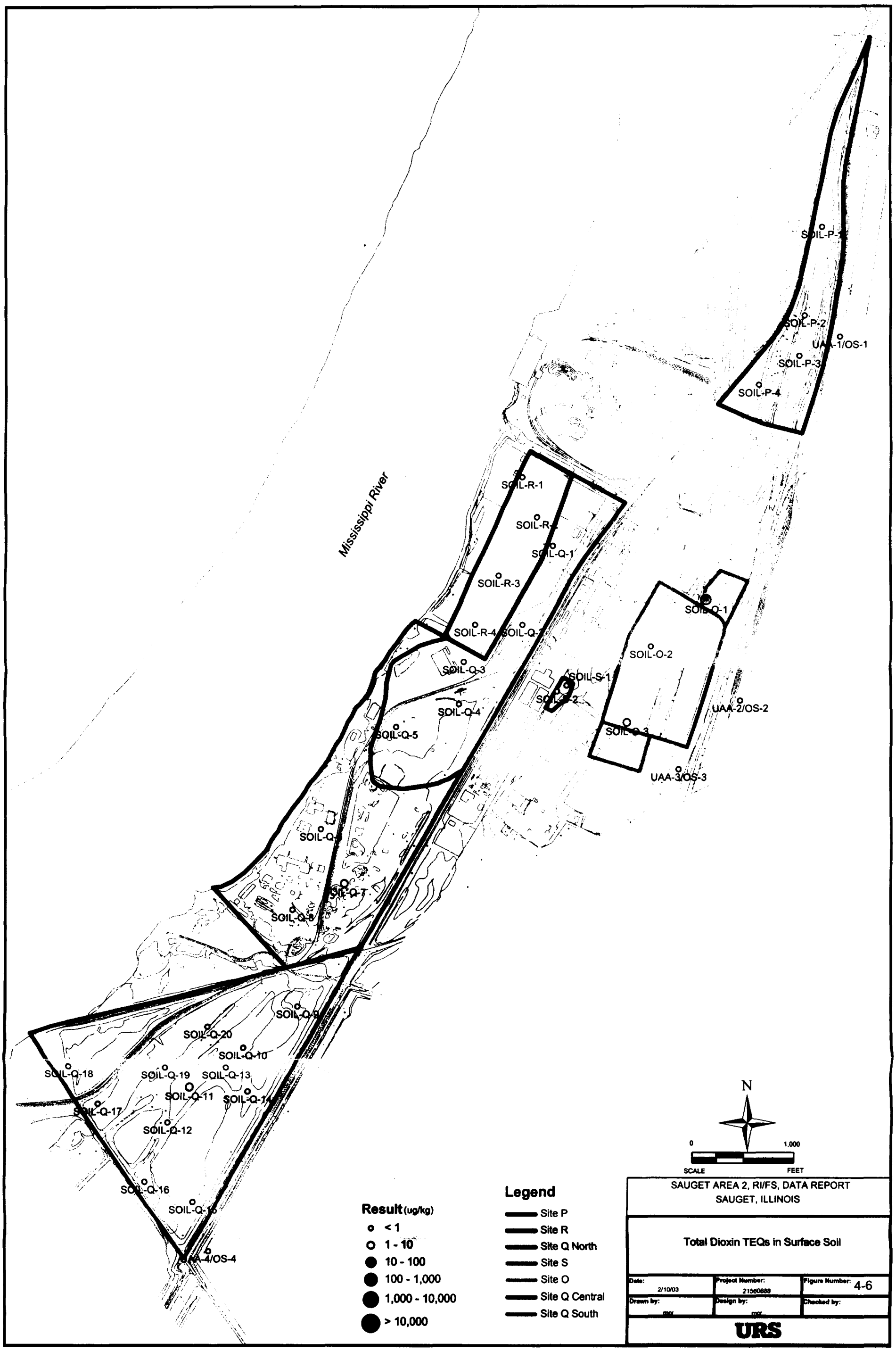
Total Pesticides in Surface Soil

Date: 2/10/03	Project Number: 21560666	Figure Number: 4-3
Drawn by: mcr	Design by: mcr	Checked by:

URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-O-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
SOIL-Q-18
SOIL-Q-19
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-4
Drawn by:
Design by:
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-11
SOIL-Q-12
SOIL-Q-13
SOIL-Q-14
SOIL-Q-16
SOIL-Q-17
SOIL-Q-18
SOIL-Q-19
SOIL-Q-20
UAA-4/OS-4
SOIL-O-1
SOIL-O-2
SOIL-O-3
SOIL-S-1
SOIL-S-2
UAA-2/OS-2
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Surface Soil
Date: 2/10/03
Project Number: 21560866
Figure Number: 4-5
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-Q-6
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SOIL-Q-8
SOIL-Q-9
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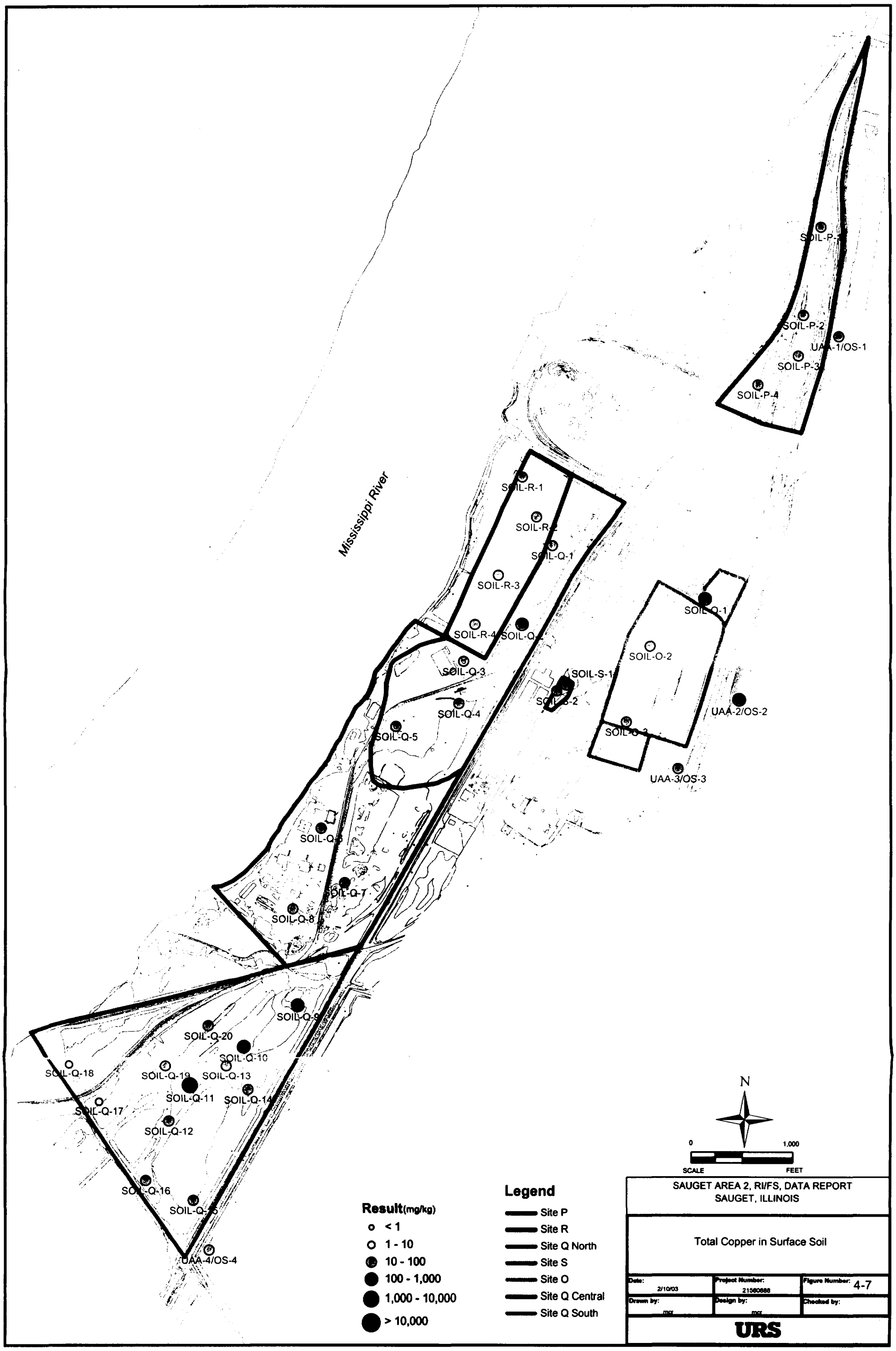
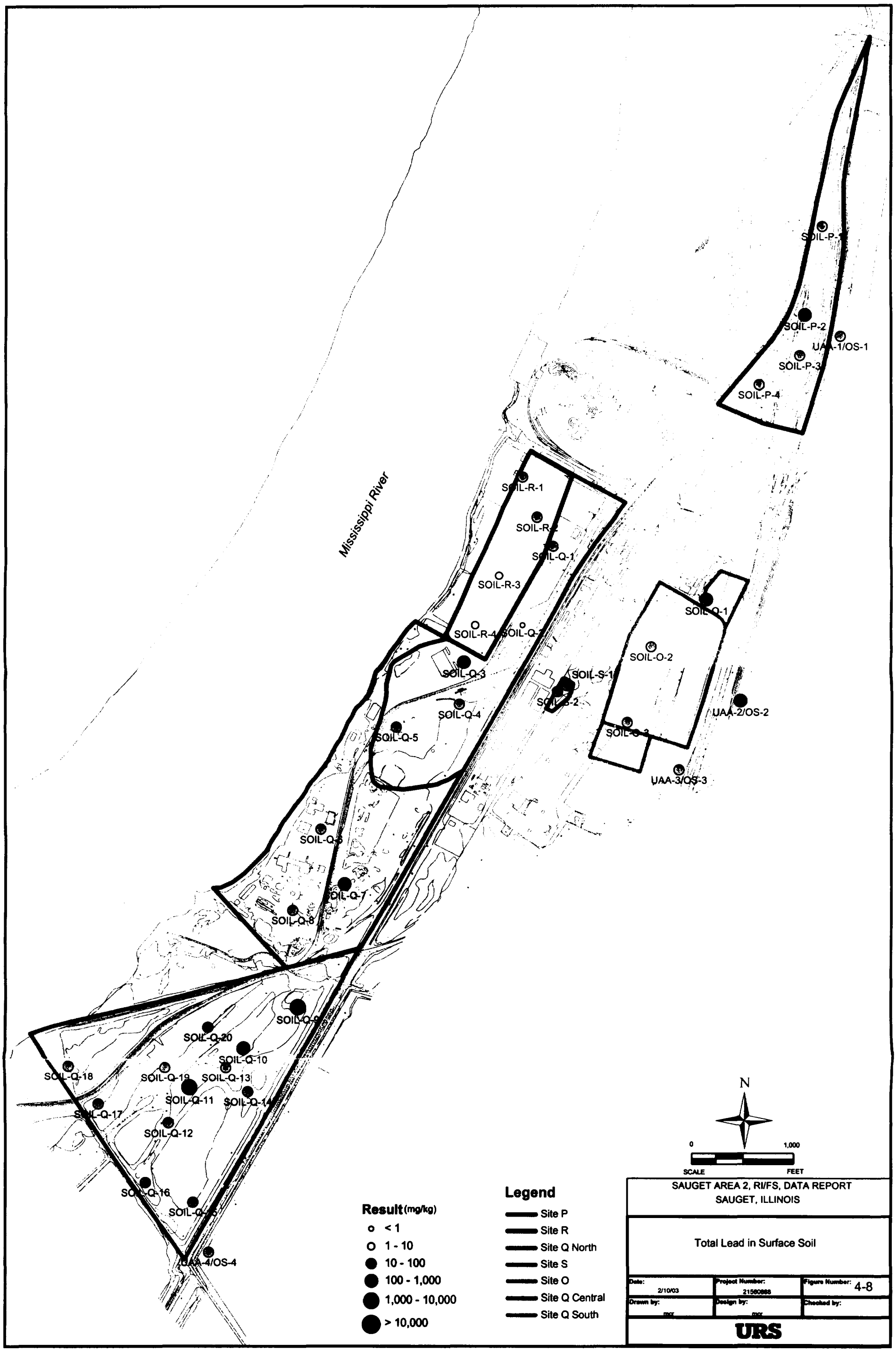
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
SOIL-O-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-6
Drawn by: mgr
Design by: mgr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
SOIL-Q-18
SOIL-Q-19
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result(mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-7
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
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SOIL-Q-15
UAA-4/OS-4
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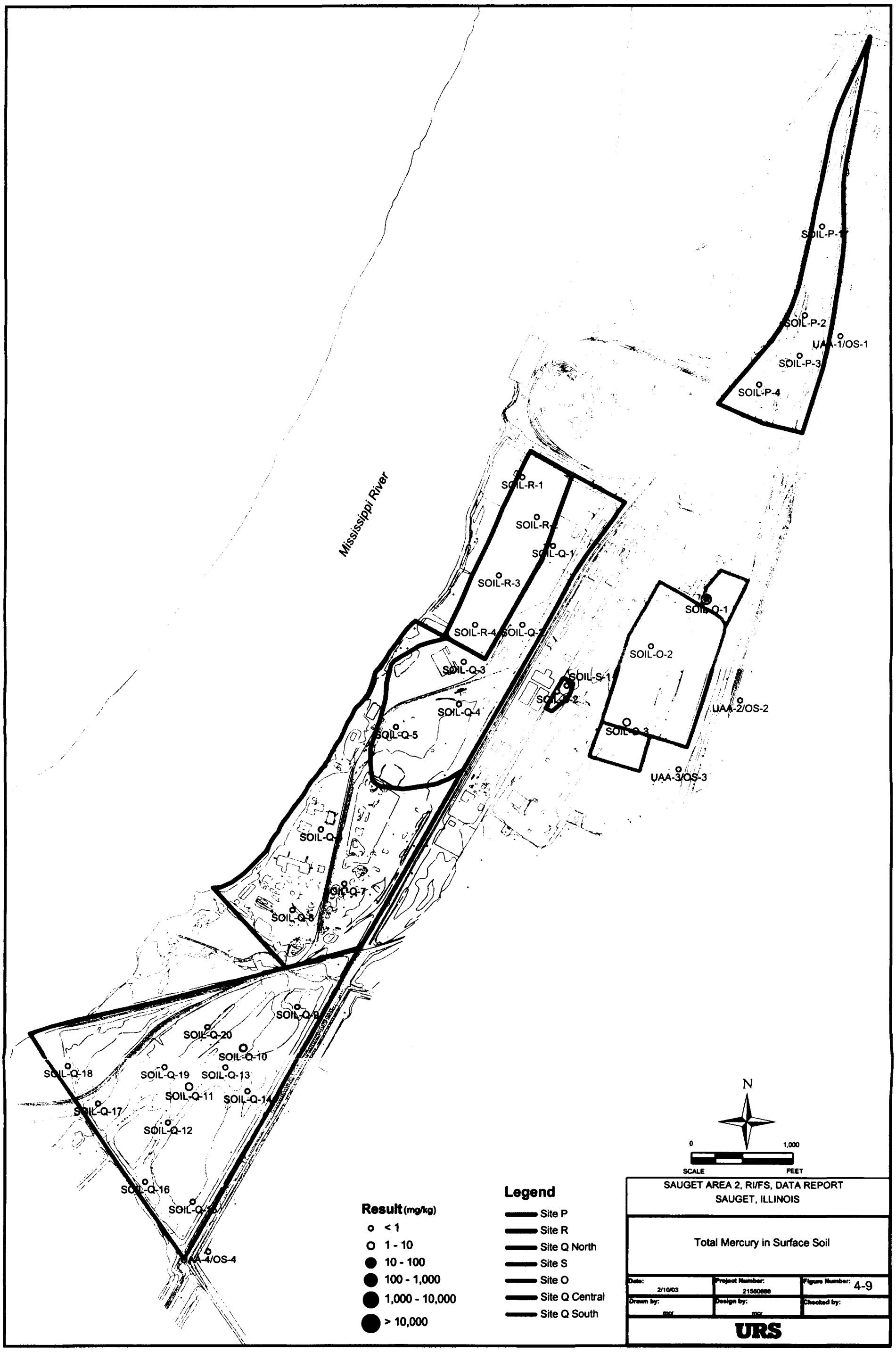
SOIL-O-2
SOIL-S-1
SOIL-S-2
UAA-2/OS-2
SOIL-O-3
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-8
Drawn by: mxr
Design by: mxr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
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SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
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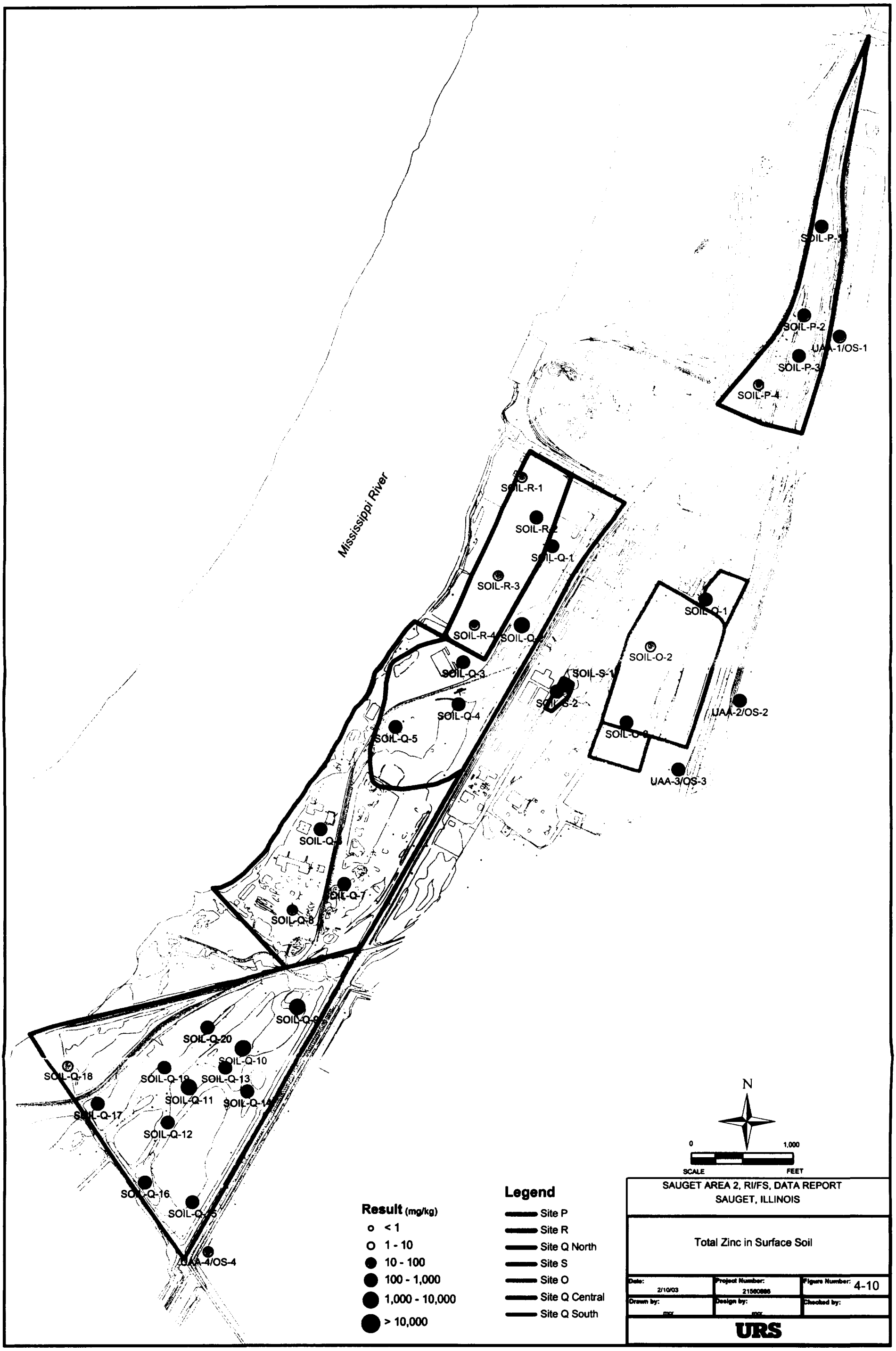
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
SOIL-O-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
UAA-2/OS-2
SOIL-O-3
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Surface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 4-9
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-O-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-20
SOIL-Q-10
SOIL-Q-18
SOIL-Q-19
SOIL-Q-13
SOIL-Q-11
SOIL-Q-14
SOIL-Q-17
SOIL-Q-12
SOIL-Q-16
SOIL-Q-15
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Surface Soil
Date: 2/10/03
Project Number: 21560886
Figure Number: 4-10
Drawn by: mcr
Design by: mcr
Checked by:
URS

Section 5

Table 5-1
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID / Sample Date / Units / Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-2-6FT 07/01/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg
1,1,1-Trichloroethane	21000 U	6.5 J	6.3	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,1,2,2-Tetrachloroethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,1,2-Trichloroethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,1-Dichloroethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,1-Dichloroethylene	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,2-Dichloroethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
1,2-Dichloroethene (total)	42000 U	15 U	11 U	13 U	12 U	12 U	12 U	13 U
1,2-Dichloropropane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
2-Butanone (MEK)	100000 U	5.8 J	30	16 J	31 U	29 U	30 U	33 U
4-Methyl-2-pentanone (MIBK)	100000 U	37 U	390 J	51 J	31 U	29 U	1 J	33 U
Acetone	NR	18 J	1800 J	500	62 U	58 U	60 U	66 U
Benzene	61000	600	240 U	46 J	6.2 U	5.8 U	6 U	6.6 U
Bromodichloromethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Bromoform	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Bromomethane	42000 U	15 U	11 U	13 U	12 UJ	12 UJ	12 UJ	13 UJ
Carbon Disulfide	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Carbon Tetrachloride	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Chlorobenzene	480000	65	200 J	220 J	6.2 U	5.8 U	6 U	6.6 U
Chlorodibromomethane	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Chloroethane	42000 U	15 U	11 U	13 U	12 U	12 U	12 U	13 U
Chloroform	21000 U	3 J	6.6	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Chloromethane	42000 U	15 U	11 U	13 U	12 UJ	12 UJ	12 UJ	13 UJ
cis-1,3-Dichloropropene	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Dichloromethane	87000	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	3.2 J	3.3 J
Ethylbenzene	760000	59	200 J	27 J	0.25 J	0.3 J	0.59 J	6.6 U
Methyl N-Butyl Ketone	100000 U	37 U	28 U	32 U	31 U	29 U	30 U	33 U
Styrene (Monomer)	21000 U	7.4 U	5.5 U	6.4 U	0.69 J	1.6 J	4.2 J	0.28 J
Tetrachloroethene	21000 U	7.4 U	5.5 U	6.4 U	0.51 J	5.8 U	6 U	6.6 U
Toluene	90000	42	68 J	6.4 UJ	6.2 U	5.8 U	6 U	6.6 U
trans-1,3-Dichloropropene	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Trichloroethylene	21000 U	7.4 U	5.5 U	6.4 U	6.2 U	5.8 U	6 U	6.6 U
Vinyl chloride	42000 U	15 U	11 U	13 U	12 U	12 U	12 U	13 U
Xylenes, Total	3800000	220	760	110 J	0.93 J	0.64 J	0.97 J	0.66 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-1
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT 08/15/02 ug/kg	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg	SOIL-Q-11-6 07/22/02 ug/kg	SOIL-Q-12-6 07/22/02 ug/kg
1,1,1-Trichloroethane	9.8 U	6.8 U	600 U	8.2 U	270 U	250 J	13 U	29 U	470
1,1,2,2-Tetrachloroethane	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
1,1,2-Trichloroethane	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
1,1-Dichloroethane	9.8 U	6.8 U	600 U	2.4 J	270 U	560 UJ	13 U	29 U	760 J
1,1-Dichloroethylene	9.8 U	6.8 U	600 U	8.2 U	270 U	560 U	13 U	29 U	270 U
1,2-Dichloroethane	9.8 U	6.8 U	600 U	8.2 U	270 U	4000	13 U	29 U	270 U
1,2-Dichloroethene (total)	20 U	14 U	1200 U	16 UJ	120 J	1100 U	26 U	58 U	8500
1,2-Dichloropropane	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
2-Butanone (MEK)	49 U	34 U	1400 J	200	360 J	2800 U	15 J	71 J	1300 U
4-Methyl-2-pentanone (MIBK)	49 U	34 U	3000 U	1200 J	1400 U	2800 U	65 U	140 U	1300 U
Acetone	98 U	68 U	1200 J	390 J	1500 J	3000 J	48 J	230 J	NR
Benzene	9.8 U	6.8 U	280 J	2200	640	8800	2.1 J	460	2000
Bromodichloromethane	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
Bromoform	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
Bromomethane	20 UJ	14 UJ	1200 U	16 U	540 U	1100 U	26 U	58 U	530 U
Carbon Disulfide	9.8 U	6.8 U	600 U	8.2 U	270 U	560 U	3.5 J	7.8 J	270 U
Carbon Tetrachloride	9.8 U	6.8 U	600 U	8.2 U	270 U	560 U	13 U	29 U	270 U
Chlorobenzene	9.8 U	6.8 U	2100	17 J	1000	26000	4.5 J	NR	1200 J
Chlorodibromomethane	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
Chloroethane	20 U	14 U	1200 U	16 U	540 U	1100 U	26 U	26 J	190 J
Chloroform	9.8 U	6.8 U	600 U	2 J	270 U	560 U	1.3 J	29 U	270 U
Chloromethane	20 UJ	14 UJ	1200 U	16 U	540 U	1100 U	26 U	58 U	530 U
cis-1,3-Dichloropropene	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
Dichloromethane	9.8 U	6.8 U	2300	8.2 U	1000	560 U	13 U	29 U	270 U
Ethylbenzene	0.56 J	6.8 U	780	110 J	10000	11000	1.4 J	450	270000
Methyl N-Butyl Ketone	49 U	34 U	3000 U	48 J	1400 U	2800 U	65 U	140 U	1300 U
Styrene (Monomer)	3.8 J	6.8 U	600 U	8.2 UJ	270 U	560 U	0.72 J	29 U	270 U
Tetrachloroethene	9.8 U	6.8 U	240 J	11 J	400	28000 J	3.7 J	29 U	960
Toluene	9.8 U	6.8 U	33000	4800	10000	47000	13 U	19 J	1300000
trans-1,3-Dichloropropene	9.8 U	6.8 U	600 U	8.2 UJ	270 U	560 U	13 U	29 U	270 U
Trichloroethylene	9.8 U	6.8 U	600 U	1.3 J	270 U	730	2.7 J	2.2 J	380
Vinyl chloride	20 U	14 U	1200 U	16 U	540 U	1100 U	26 U	58 U	530 U
Xylenes, Total	20 U	0.6 J	2400	430 J	31000	80000	6.2 J	2200 J	1900000 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-1
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID / Sample Date / Units / Compound	SOIL-Q-13-6FT 08/15/02 ug/kg	SOIL-Q-2-6FT 07/18/02 ug/kg	SOIL-Q-3-6 07/17/02 ug/kg	SOIL-Q-4-6 07/18/02 ug/kg	SOIL-Q-5-6FT 07/17/02 ug/kg	SOIL-Q-6-6 07/19/02 ug/kg	SOIL-Q-7-6 07/19/02 ug/kg	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg
1,1,1-Trichloroethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
1,1,2,2-Tetrachloroethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 UJ	5.9 U	7.2 U
1,1,2-Trichloroethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
1,1-Dichloroethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
1,1-Dichloroethylene	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
1,2-Dichloroethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
1,2-Dichloroethene (total)	19 U	780 U	16 U	11 U	16 U	17 U	38 U	1.1 J	1.6 J	14 U
1,2-Dichloropropane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
2-Butanone (MEK)	48 U	1200 J	40 U	2.2 J	40 U	34 J	26 J	50	27 J	36 U
4-Methyl-2-pentanone (MIBK)	48 U	580 J	40 U	0.99 J	40 U	43 U	43 J	30 U	29 U	36 U
Acetone	96 U	2700 J	81 U	54 U	80 U	160 J	190 J	170 J	100 J	72 U
Benzene	9.6 U	430	0.76 J	5.4 U	1.1 J	7.8 J	210	58	41	1.5 J
Bromodichloromethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Bromoform	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 UJ	5.9 U	7.2 U
Bromomethane	19 UJ	780 U	16 U	11 U	16 U	17 U	38 U	12 U	12 U	14 U
Carbon Disulfide	9.6 U	390 U	1.8 J	5.4 U	4.5 J	2.6 J	52	11	6.8	7.2 U
Carbon Tetrachloride	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Chlorobenzene	9.6 U	36000 J	8.1 U	5.4 U	8 U	17 J	40000 J	2200 J	95 J	0.58 J
Chlorodibromomethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Chloroethane	19 U	780 U	16 U	11 U	16 U	17 U	38 U	12 U	12 U	14 U
Chloroform	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Chloromethane	19 UJ	780 U	16 U	11 U	16 U	17 U	38 U	12 U	12 U	14 U
cis-1,3-Dichloropropene	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Dichloromethane	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Ethylbenzene	9.6 U	990 J	8.1 U	5.4 U	0.58 J	1.2 J	39 J	200 J	30 J	0.52 J
Methyl N-Butyl Ketone	48 U	500 J	40 U	27 U	40 U	43 U	95 U	30 U	29 U	36 U
Styrene (Monomer)	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 UJ	5.9 U	7.2 U
Tetrachloroethene	9.6 U	390 U	0.7 J	0.43 J	0.6 J	8.7 U	1.8 J	1.4 J	0.61 J	3 J
Toluene	9.6 U	330 J	8.1 U	5.4 U	8 U	8.7 U	64	70	97	7.2 U
trans-1,3-Dichloropropene	9.6 U	390 U	8.1 U	5.4 U	8 U	8.7 U	19 U	5.9 U	5.9 U	7.2 U
Trichloroethylene	9.6 U	390 U	0.76 J	0.51 J	0.93 J	8.7 U	2.3 J	2.3 J	0.6 J	1.3 J
Vinyl chloride	19 U	780 U	16 U	11 U	16 U	17 U	38 U	12 U	12 U	14 U
Xylenes, Total	19 U	1700	16 U	11 U	1.6 J	5.4 J	160	13000	400	3.6 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-1
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
1,1,1-Trichloroethane	4.9 U	4.7 U	8900 U	5 U	67000	1400 J
1,1,2,2-Tetrachloroethane	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
1,1,2-Trichloroethane	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
1,1-Dichloroethane	4.9 U	4.7 U	8900 U	5 U	4700 J	2700 U
1,1-Dichloroethylene	4.9 U	4.7 U	3900 J	5 U	4000 U	2700 U
1,2-Dichloroethane	4.9 U	450 U	87000	1.4 J	4000 U	2700 U
1,2-Dichloroethene (total)	0.48 J	9.4 U	51000	10 U	2500 J	3100 J
1,2-Dichloropropane	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
2-Butanone (MEK)	2.3 J	7.1 J	44000 U	5 J	290000	14000 U
4-Methyl-2-pentanone (MIBK)	24 U	150	44000 U	25 U	200000	14000 U
Acetone	49 U	33 J	NR	14 J	110000 J	NR
Benzene	6	23	22000	1.6 J	35000	2700 U
Bromodichloromethane	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Bromoform	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Bromomethane	9.7 U	9.4 U	18000 U	10 U	8100 U	5500 U
Carbon Disulfide	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Carbon Tetrachloride	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Chlorobenzene	3.1 J	55	27000	1.4 J	1200000	2800 U
Chlorodibromomethane	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Chloroethane	9.7 U	9.4 U	18000 U	10 U	8100 U	5500 U
Chloroform	4.9 U	2.8 J	5400 J	5 U	4000 U	2700 U
Chloromethane	9.7 U	9.4 U	18000 U	10 U	8100 U	5500 U
cis-1,3-Dichloropropene	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Dichloromethane	4.9 U	4.7 U	5900 U	5 U	26000	13000
Ethylbenzene	0.44 J	6.6	8500 J	0.44 J	450000	200000
Methyl N-Butyl Ketone	24 U	24 U	44000 U	25 U	20000 U	14000 U
Styrene (Monomer)	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Tetrachloroethene	4.9 U	3.6 J	610000	4.6 J	5800	33000
Toluene	4.9 U	46	200000	2.9 J	1400000	470000
trans-1,3-Dichloropropene	4.9 U	4.7 U	8900 U	5 U	4000 U	2700 U
Trichloroethylene	4.9 U	0.74 J	810000	16	82000	1400 J
Vinyl chloride	9.7 U	9.4 U	18000 U	10 U	8100 U	5500 U
Xylenes, Total	0.95 J	41	14000 J	0.99 J	1800000	1200000

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg
1,2,4-Trichlorobenzene	290000	31000 J	13000 J	350 U	390 U	380 U	350 U
1,2-Dichlorobenzene	520000	130000 J	27000 J	350 U	390 U	380 U	350 U
1,3-Dichlorobenzene	12000 J	5200 J	40000 U	350 U	390 U	380 U	350 U
1,4-Dichlorobenzene	120000	79000 J	15000 J	350 U	390 U	380 U	350 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
2,4,5-Trichlorophenol	8100 J	39000 U	40000 U	350 U	390 U	380 U	350 U
2,4,6-Trichlorophenol	61000	6900 J	40000 U	350 U	390 U	380 U	350 U
2,4-Dichlorophenol	33000	10000 J	4400 J	350 U	390 U	380 U	350 U
2,4-Dimethylphenol	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
2,4-Dinitrophenol	110000 U	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
2,4-Dinitrotoluene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
2,6-Dinitrotoluene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
2-Chloronaphthalene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
2-Chlorophenol	6200 J	9600 J	40000 U	350 U	390 U	380 U	350 U
2-Methylnaphthalene	200000	25000 J	10000 J	350 U	390 U	380 U	350 U
2-Methylphenol (o-Cresol)	4000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
2-Nitroaniline	62000 J	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
2-Nitrophenol	12000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
3,3'-Dichlorobenzidine	41000 U	78000 U	80000 U	700 U	780 U	770 UJ	700 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	14000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
3-Nitroaniline	110000 U	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
4,6-Dinitro-2-methylphenol	110000 U	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
4-Bromophenyl Phenyl Ether	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
4-Chloro-3-methylphenol	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
4-Chlorophenyl Phenyl Ether	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
4-Nitrophenol	110000 U	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
Acenaphthene	12000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Acenaphthylene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Anthracene	10000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Benzo(a)anthracene	36000	14000 J	7200 J	350 U	390 U	380 UJ	350 U
Benzo(a)pyrene	8500 J	8600 J	5600 J	350 U	390 U	380 U	350 U
Benzo(b)fluoranthene	12000 J	9100 J	6100 J	350 U	390 U	380 U	350 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg
Benzo(g,h,i)perylene	4700 J	6100 J	4000 J	350 U	390 U	380 U	350 U
Benzo(k)fluoranthene	3800 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Benzyl Butyl Phthalate	38000	39000 U	40000 U	350 U	390 U	380 UJ	350 U
bis(2-Chloroethoxy)methane	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
bis(2-Chloroethyl)ether	2100 J	39000 U	40000 U	350 U	390 U	380 U	350 U
bis(2-Ethylhexyl)phthalate	8200 J	39000 U	40000 U	32 J	390 U	380 U	350 U
Carbazole	4900 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Chrysene	69000	31000 J	17000 J	350 U	390 U	380 UJ	350 U
Di-n-butylphthalate	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Di-n-octylphthalate	3400 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Dibenzo(a,h)anthracene	4600 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Dibenzofuran	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Diethyl Phthalate	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Dimethyl Phthalate	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Dinoseb	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Fluoranthene	13000 J	4400 J	40000 U	350 U	390 U	380 U	350 U
Fluorene	20000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Hexachlorobenzene	4500 J	39000 U	40000 U	350 U	390 U	380 U	350 U
Hexachlorobutadiene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Hexachlorocyclopentadiene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Hexachloroethane	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Indeno(1,2,3-cd)pyrene	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Isophorone	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
N-Nitroso-di-n-propylamine	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
N-Nitrosodiphenylamine	21000 U	39000 U	40000 U	350 U	390 U	380 U	350 U
Naphthalene	41000	7700 J	40000 U	350 U	390 U	380 U	350 U
Nitrobenzene	11000 J	39000 U	40000 U	350 U	390 U	380 U	350 U
P-Chloroaniline	41000 U	78000 U	80000 U	700 U	780 U	770 U	700 U
P-Nitroaniline	1000000 J	200000 U	210000 U	1800 U	2000 U	2000 U	1800 U
Phenanthrene	93000 J	21000 J	9800 J	350 U	390 U	380 U	350 U
Phenol	22000	7900 J	40000 U	350 U	390 U	380 U	350 U
Pyrene	120000	28000 J	13000 J	350 U	390 U	380 UJ	350 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT 08/15/02 ug/kg	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg
1,2,4-Trichlorobenzene	400 U	400 U	3800 U	100 J	38000 U	7500 U	230000 U	520 U
1,2-Dichlorobenzene	400 U	400 U	480 J	14000 J	38000 U	7500 U	230000 U	520 U
1,3-Dichlorobenzene	400 U	400 U	3800 U	460 J	38000 U	7500 U	230000 U	520 U
1,4-Dichlorobenzene	400 U	400 U	1300 J	160000	38000 U	7500 U	230000 U	52 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2,4,5-Trichlorophenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2,4,6-Trichlorophenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2,4-Dichlorophenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	65000 J	520 U
2,4-Dimethylphenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2,4-Dinitrophenol	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
2,4-Dinitrotoluene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2,6-Dinitrotoluene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2-Chloronaphthalene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2-Chlorophenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2-Methylnaphthalene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2-Methylphenol (o-Cresol)	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
2-Nitroaniline	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
2-Nitrophenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
3,3'-Dichlorobenzidine	800 U	800 U	7600 U	3800 UJ	76000 U	15000 U	460000 U	1000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
3-Nitroaniline	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
4,6-Dinitro-2-methylphenol	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
4-Bromophenyl Phenyl Ether	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
4-Chloro-3-methylphenol	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
4-Chlorophenyl Phenyl Ether	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
4-Nitrophenol	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
Acenaphthene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Acenaphthylene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Anthracene	400 U	400 U	3800 U	340 J	38000 U	7500 U	230000 U	520 U
Benzo(a)anthracene	400 U	400 U	3800 U	160 J	38000 U	7500 U	230000 U	260 J
Benzo(a)pyrene	400 U	400 U	3800 U	150 J	38000 U	7500 U	230000 U	340 J
Benzo(b)fluoranthene	400 U	400 U	3800 U	230 J	38000 U	7500 U	230000 U	560

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT 08/15/02 ug/kg	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg
Benzo(g,h,i)perylene	400 U	400 U	3800 U	150 J	38000 U	7500 U	230000 U	520 U
Benzo(k)fluoranthene	400 U	400 U	3800 U	160 J	38000 U	7500 U	230000 U	520 U
Benzyl Butyl Phthalate	400 U	400 U	3600 J	1900 UJ	38000 U	7500 U	230000 U	1100
bis(2-Chloroethoxy)methane	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
bis(2-Chloroethyl)ether	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
bis(2-Ethylhexyl)phthalate	400 U	400 U	2400 J	610 J	38000 U	7500 U	230000 U	2500
Carbazole	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Chrysene	400 U	400 U	3800 U	430 J	38000 U	7500 U	230000 U	330 J
Di-n-butylphthalate	400 U	400 U	3800 U	170 J	38000 U	7500 U	230000 U	520 U
Di-n-octylphthalate	400 U	400 U	3800 U	590 J	38000 U	7500 U	230000 U	520 U
Dibenzo(a,h)anthracene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Dibenzofuran	400 U	400 U	3800 U	380 J	38000 U	7500 U	230000 U	520 U
Diethyl Phthalate	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Dimethyl Phthalate	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Dinoseb	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 UJ
Fluoranthene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	440 J
Fluorene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Hexachlorobenzene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Hexachlorobutadiene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Hexachlorocyclopentadiene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Hexachloroethane	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Indeno(1,2,3-cd)pyrene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Isophorone	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
N-Nitroso-di-n-propylamine	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
N-Nitrosodiphenylamine	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Naphthalene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
Nitrobenzene	400 U	400 U	3800 U	1900 UJ	38000 U	7500 U	230000 U	520 U
P-Chloroaniline	800 U	800 U	7600 U	3800 UJ	76000 U	15000 U	460000 U	160 J
P-Nitroaniline	2100 U	2100 U	20000 U	9800 UJ	200000 U	39000 U	1200000 U	2600 U
Phenanthrene	400 U	400 U	1000 J	340 J	38000 U	7500 U	230000 U	220 J
Phenol	400 U	400 U	3800 U	780 J	38000 U	7500 U	29000 J	520 U
Pyrene	400 U	400 U	3800 U	330 J	38000 U	7500 U	230000 U	520

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID	SOIL-Q-11-6	SOIL-Q-12-6	SOIL-Q-13-6FT	SOIL-Q-2-6FT	SOIL-Q-3-6	SOIL-Q-4-6	SOIL-Q-5-6FT	SOIL-Q-6-6	SOIL-Q-7-6
Sample Date	07/22/02	07/22/02	08/15/02	07/18/02	07/17/02	07/18/02	07/17/02	07/19/02	07/19/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,2,4-Trichlorobenzene	14000 U	69 J	380 U	50 J	130 J	400 U	430 U	410 U	3500 UJ
1,2-Dichlorobenzene	14000 U	440 U	380 U	100 J	1900 UJ	400 U	430 U	410 U	220 J
1,3-Dichlorobenzene	14000 U	440 U	380 U	21 J	110 J	400 U	430 U	410 U	3500 UJ
1,4-Dichlorobenzene	1200 J	440 U	380 U	1400	270 J	400 U	430 U	140 J	5800 J
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
2,4,5-Trichlorophenol	1100 J	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2,4,6-Trichlorophenol	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2,4-Dichlorophenol	14000 U	440 U	380 U	30 J	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2,4-Dimethylphenol	14000 U	440 U	380 U	37 J	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2,4-Dinitrophenol	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 UJ	2100 U	18000 UJ
2,4-Dinitrotoluene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
2,6-Dinitrotoluene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
2-Chloronaphthalene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
2-Chlorophenol	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2-Methylnaphthalene	14000 U	540	380 U	24 J	1900 UJ	400 U	120 J	52 J	990 J
2-Methylphenol (o-Cresol)	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
2-Nitroaniline	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 U	2100 U	18000 UJ
2-Nitrophenol	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
3,3'-Dichlorobenzidine	28000 U	880 U	760 U	750 U	3800 UJ	800 U	870 U	820 U	7000 UJ
3-Methylphenol/4-Methylphenol (m&p-Cresol)	14000 U	380 J	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	550 J
3-Nitroaniline	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 U	2100 U	18000 UJ
4,6-Dinitro-2-methylphenol	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 UJ	2100 U	18000 UJ
4-Bromophenyl Phenyl Ether	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
4-Chloro-3-methylphenol	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 UJ	410 U	3500 UJ
4-Chlorophenyl Phenyl Ether	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
4-Nitrophenol	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 UJ	2100 U	18000 UJ
Acenaphthene	1300 J	440 U	380 U	110 J	150 J	64 J	470	410 U	3500 UJ
Acenaphthylene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	69 J	410 U	3500 UJ
Anthracene	2000 J	440 U	380 U	400	420 J	160 J	1200	410 U	3500 UJ
Benzo(a)anthracene	1800 J	440 U	380 U	1300	1300 J	570	2900	29 J	640 J
Benzo(a)pyrene	1800 J	440 U	380 U	1200	1400 J	580	2700	24 J	390 J
Benzo(b)fluoranthene	2200 J	440 U	380 U	1000	1900 J	550	2200	31 J	3500 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID	SOIL-Q-11-6	SOIL-Q-12-6	SOIL-Q-13-6FT	SOIL-Q-2-6FT	SOIL-Q-3-6	SOIL-Q-4-6	SOIL-Q-5-6FT	SOIL-Q-6-6	SOIL-Q-7-6
Sample Date	07/22/02	07/22/02	08/15/02	07/18/02	07/17/02	07/18/02	07/17/02	07/19/02	07/19/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzo(g,h,i)perylene	1100 J	440 U	380 U	560	830 J	390 J	1200	410 U	360 J
Benzo(k)fluoranthene	1100 J	440 U	380 U	1200	1200 J	490	2200	29 J	3500 UJ
Benzyl Butyl Phthalate	3100 J	250 J	380 U	23 J	1900 UJ	400 U	430 U	410 U	3000 J
bis(2-Chloroethoxy)methane	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
bis(2-Chloroethyl)ether	14000 U	440 U	380 U	44 J	1900 UJ	400 U	430 U	410 U	3500 UJ
bis(2-Ethylhexyl)phthalate	11000 J	2900 J	380 U	960	120 J	400 U	82 J	560	21000 J
Carbazole	14000 U	440 U	380 U	320 J	1900 UJ	71 J	380 J	410 U	3500 UJ
Chrysene	2100 J	440 U	380 U	1400	1800 J	640	3100	32 J	680 J
Di-n-butylphthalate	2300 J	130 J	380 U	36 J	1900 UJ	400 U	430 U	410 U	2600 J
Di-n-octylphthalate	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	550 J
Dibenzo(a,h)anthracene	14000 U	440 U	380 U	200 J	1900 UJ	130 J	400 J	410 U	3500 UJ
Dibenzofuran	820 J	440 U	380 U	72 J	1900 UJ	42 J	340 J	410 U	3500 UJ
Diethyl Phthalate	14000 U	440 U	380 U	1600	1900 UJ	400 U	430 U	410 U	3500 UJ
Dimethyl Phthalate	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Dinoseb	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Fluoranthene	4500 J	440 U	380 U	2700	2400 J	1100	5700	43 J	410 J
Fluorene	1400 J	440 U	380 U	88 J	1900 UJ	54 J	490	410 U	3500 UJ
Hexachlorobenzene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Hexachlorobutadiene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Hexachlorocyclopentadiene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Hexachloroethane	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Indeno(1,2,3-cd)pyrene	14000 U	440 U	380 U	500	640 J	360 J	1200	410 U	3500 UJ
Isophorone	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
N-Nitroso-di-n-propylamine	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
N-Nitrosodiphenylamine	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
Naphthalene	14000 U	5200	380 U	380 U	1900 UJ	400 U	180 J	35 J	1200 J
Nitrobenzene	14000 U	440 U	380 U	380 U	1900 UJ	400 U	430 U	410 U	3500 UJ
P-Chloroaniline	28000 U	880 U	760 U	30000 J	3800 UJ	800 U	870 U	820 U	7000 UJ
P-Nitroaniline	71000 U	2300 U	2000 U	1900 U	9900 UJ	2000 U	2200 U	2100 U	18000 UJ
Phenanthrene	6100 J	33 J	380 U	2200	1500 J	840	5200	45 J	650 J
Phenol	1000 J	440 U	380 U	380 U	590 J	400 U	270 J	85 J	430 J
Pyrene	5200 J	440 U	380 U	2900	2900 J	1300	6700	53 J	940 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
1,2,4-Trichlorobenzene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	7300 J	40000 U
1,2-Dichlorobenzene	4200 U	4200 U	4200 U	100 J	380 U	380 U	390 U	110000	40000 U
1,3-Dichlorobenzene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	12000 J	40000 U
1,4-Dichlorobenzene	4300	1500 J	4200 U	380 U	380 U	380 U	390 U	200000	40000 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2,4,5-Trichlorophenol	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2,4,6-Trichlorophenol	4200 U	4200 U	4200 U	380 U	380 U	100 J	390 U	44000 U	40000 U
2,4-Dichlorophenol	4200 U	4200 U	4200 U	380 U	30 J	290 J	390 U	44000 U	40000 U
2,4-Dimethylphenol	4200 U	4200 U	4200 U	100 J	380 U	380 U	390 U	44000 U	40000 U
2,4-Dinitrophenol	22000 U	22000 U	22000 U	2000 U	2000 U	2000 U	2000 U	230000 U	200000 U
2,4-Dinitrotoluene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2,6-Dinitrotoluene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2-Chloronaphthalene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2-Chlorophenol	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2-Methylnaphthalene	960 J	370 J	4200 U	380 U	380 U	380 U	390 U	3600 J	9000 J
2-Methylphenol (o-Cresol)	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
2-Nitroaniline	22000 U	22000 U	22000 U	2000 U	2000 U	28 J	2000 U	230000 U	200000 U
2-Nitrophenol	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
3,3'-Dichlorobenzidine	8500 U	8400 U	8400 U	760 U	760 U	760 U	780 U	88000 U	80000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	4200 U	4200 U	4200 U	65 J	380 U	380 U	390 U	44000 U	40000 U
3-Nitroaniline	22000 U	22000 U	22000 U	2000 U	2000 U	2000 U	2000 U	230000 U	200000 U
4,6-Dinitro-2-methylphenol	22000 U	22000 U	22000 U	2000 U	2000 U	2000 U	2000 U	230000 U	200000 U
4-Bromophenyl Phenyl Ether	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
4-Chloro-3-methylphenol	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
4-Chlorophenyl Phenyl Ether	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
4-Nitrophenol	22000 U	22000 U	22000 U	2000 U	2000 U	2000 U	2000 U	230000 U	200000 U
Acenaphthene	380 J	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Acenaphthylene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Anthracene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Benzo(a)anthracene	550 J	220 J	1200 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Benzo(a)pyrene	530 J	4200 U	1200 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Benzo(b)fluoranthene	290 J	4200 U	1400 J	380 U	380 U	380 U	390 U	44000 U	40000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-2
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Units Compound	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
Benzo(g,h,i)perylene	310 J	4200 U	1200 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Benzo(k)fluoranthene	4200 U	4200 U	1100 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Benzyl Butyl Phthalate	3800 J	2300 J	5400	380 U	380 U	41 J	390 U	44000 U	40000 U
bis(2-Chloroethoxy)methane	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
bis(2-Chloroethyl)ether	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
bis(2-Ethylhexyl)phthalate	25000	19000	360 J	38 J	380 U	3300	390 U	11000 J	110000
Carbazole	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Chrysene	840 J	290 J	1400 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Di-n-butylphthalate	1100 J	420 J	4200 U	380 U	380 U	48 J	390 U	44000 U	14000 J
Di-n-octylphthalate	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Dibenzo(a,h)anthracene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Dibenzofuran	380 J	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Diethyl Phthalate	4200 U	4200 U	4200 U	380 U	380 U	110 J	390 U	44000 U	40000 U
Dimethyl Phthalate	4200 U	4200 U	4200 U	380 U	380 U	33 J	390 U	44000 U	40000 U
Dinoseb	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Fluoranthene	830 J	420 J	2000 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Fluorene	500 J	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Hexachlorobenzene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Hexachlorobutadiene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Hexachlorocyclopentadiene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Hexachloroethane	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Indeno(1,2,3-cd)pyrene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Isophorone	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	71000	13000 J
N-Nitroso-di-n-propylamine	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
N-Nitrosodiphenylamine	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Naphthalene	1700 J	650 J	4200 U	380 U	380 U	380 U	390 U	19000 J	48000
Nitrobenzene	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
P-Chloroaniline	8500 U	8400 U	8400 U	380 J	760 U	49 J	780 U	70000 J	80000 U
P-Nitroaniline	22000 U	22000 U	22000 U	2000 U	2000 U	2000 U	2000 U	230000 U	200000 U
Phenanthrene	1600 J	750 J	890 J	380 U	380 U	380 U	390 U	44000 U	40000 U
Phenol	4200 U	4200 U	4200 U	380 U	380 U	380 U	390 U	44000 U	40000 U
Pyrene	980 J	500 J	1800 J	380 U	380 U	380 U	390 U	44000 U	40000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-3
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-2-6FT 07/01/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg	SOIL-OS-4-6FT 08/15/02 ug/kg
4,4'-DDD	4100 U	19 U	780 U	200 U	3.5 U	3.9 UJ	3.8 UJ	3.5 U	4 UJ
4,4'-DDE	33000	19 U	780 U	200 U	3.5 U	3.9 U	3.8 U	3.5 U	4 U
4,4'-DDT	58000 J	6.7 J	5300 J	750 J	3.5 UJ	3.9 UJ	3.8 UJ	3.5 UJ	4 UJ
Aldrin	4500 J	9.9 U	400 U	100 U	1.8 U	2 U	2 U	1.8 U	2.1 U
alpha-BHC	1500 J	9.9 U	400 U	100 U	1.8 U	2 U	2 U	1.8 U	2.1 U
alpha-Chlordane	2100 U	9.9 U	400 U	100 U	1.8 U	2 U	2 U	1.8 U	2.1 U
beta-BHC	21000 J	NR	1700 J	88 J	1.8 U	2 U	2 U	1.8 U	2.1 U
delta-BHC	2100 U	13 J	5300 J	400 J	1.8 U	2 U	2 U	1.8 U	2.1 U
Dieldrin	50000 J	5 J	6800	800	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Endosulfan I	2100 U	9.9 U	400 U	100 U	1.8 U	2 U	2 U	1.8 U	2.1 U
Endosulfan II	9600 J	19 U	780 U	200 U	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Endosulfan Sulfate	24000 J	19 U	780 U	200 U	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Endrin	4100 U	19 U	780 U	200 U	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Endrin Aldehyde	4100 U	19 U	1600 J	200 U	3.5 UJ	3.9 UJ	3.8 UJ	3.5 UJ	4 UJ
Endrin Ketone	4100 U	19 U	780 U	200 U	3.5 U	3.9 U	3.8 U	3.5 U	4 U
gamma-BHC (Lindane)	2100 U	18 J	4800 J	960	1.8 U	2 U	2 U	1.8 U	2.1 U
gamma-Chlordane	2100 U	9.9 U	400 U	100 U	1.8 U	2 U	2 U	1.8 U	2.1 U
Heptachlor	9900 J	7.3 J	5300 J	250 J	1.8 U	2 U	2 U	1.8 U	2.1 U
Heptachlor Epoxide	2100 U	9.9 U	640 J	140 J	1.8 U	2 U	2 U	1.8 U	2.1 U
Methoxychlor	21000 U	99 U	4000 U	1000 U	18 UJ	20 UJ	20 UJ	18 UJ	0.51 J
Toxaphene	210000 U	990 U	40000 U	10000 U	180 U	200 U	200 U	180 U	210 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-3
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg	SOIL-Q-11-6 07/22/02 ug/kg	SOIL-Q-12-6 07/22/02 ug/kg	SOIL-Q-13-6FT 08/15/02 ug/kg
4,4'-DDD	4 UJ	76 U	19 U	190 U	38 U	930 U	7.8 J	1400 J	44 U	3.8 UJ
4,4'-DDE	4 U	76 U	NR	19 J	410 J	4900	36	NR	NR	3.8 U
4,4'-DDT	4 UJ	76 UJ	19 U	190 UJ	1700 J	5000 J	74 J	1500 J	790 J	0.52 J
Aldrin	2.1 U	39 U	9.8 U	98 U	19 U	480 U	2.6 U	210 J	23 U	2 U
alpha-BHC	2.1 U	20 J	10 J	98 UJ	19 UJ	64 J	2.9	50 J	23 U	2 U
alpha-Chlordane	2.1 U	17 J	NR	98 U	28	480 U	4.9 J	31 J	NR	2 U
beta-BHC	2.1 U	260 J	9.8 U	98 U	34 J	480 U	2.6 U	140 U	23 U	2 U
delta-BHC	2.1 U	39 UJ	9.8 U	98 UJ	19 UJ	480 U	0.52 J	240	23 U	2 U
Dieldrin	4 U	76 U	19 U	17 J	560	1200 J	34 J	460 J	44 U	3.8 U
Endosulfan I	2.1 U	18 J	9.8 U	98 U	19 U	480 U	2.6 U	140 U	23 U	2 U
Endosulfan II	4 U	76 U	19 U	190 U	38 U	930 U	3.9 J	86 J	44 U	3.8 U
Endosulfan Sulfate	4 U	44 J	19 U	28 J	41 J	930 U	6 J	76 J	44 U	3.8 U
Endrin	4 U	76 U	19 U	190 U	38 U	930 U	6.8 J	280 U	44 UJ	3.8 U
Endrin Aldehyde	4 UJ	76 U	19 U	59 J	38 U	930 UJ	5.2 UJ	2600 J	44 U	3.8 UJ
Endrin Ketone	4 U	76 U	19 UJ	190 U	21 J	930 U	5.2 U	220 J	44 U	3.8 U
gamma-BHC (Lindane)	2.1 U	39 U	9.8 U	98 U	66 J	480 U	2.6 U	140 U	3.8 J	2 U
gamma-Chlordane	2.1 U	70	9.8 U	98 U	220 J	480 U	3.2 J	140 UJ	290	0.12 J
Heptachlor	2.1 U	39 UJ	9.8 U	98 UJ	19 UJ	480 U	2.6 U	140 UJ	5.8 J	2 U
Heptachlor Epoxide	2.1 U	39 U	9.8 U	98 U	19 U	480 UJ	7 J	140 U	23 U	0.32 J
Methoxychlor	21 UJ	390 U	98 UJ	980 U	100 J	4800 U	26 U	1400 U	230 U	20 UJ
Toxaphene	210 U	3900 U	980 U	9800 U	1900 U	48000 U	260 U	14000 U	2300 U	200 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-3
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-Q-2-6FT 07/18/02 ug/kg	SOIL-Q-3-6 07/17/02 ug/kg	SOIL-Q-4-6 07/18/02 ug/kg	SOIL-Q-5-6FT 07/17/02 ug/kg	SOIL-Q-6-6 07/19/02 ug/kg	SOIL-Q-7-6 07/19/02 ug/kg	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg
4,4'-DDD	75 U	190 U	4 U	12 J	4.1 UJ	70 U	7.6 J	21 U	42 U	38 U	NR
4,4'-DDE	NR	190 U	2 J	4.4 J	4.1 UJ	70 U	21 U	21 U	260	38 U	0.66 J
4,4'-DDT	510 J	210 J	7.6 J	17 J	32 J	70 U	21 U	21 U	490 J	12 J	NR
Aldrin	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	22 U	6 J	NR
alpha-BHC	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
alpha-Chlordane	NR	99 U	NR	14 J	2.1 UJ	31 J	4.7 J	8.1 J	37	5.5 J	0.37 J
beta-BHC	39 U	14 J	2 U	15 J	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
delta-BHC	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
Dieldrin	75 U	430 J	4 U	24 J	42 J	70 U	65 J	52 J	120 J	10 J	NR
Endosulfan I	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
Endosulfan II	75 U	190 U	0.49 J	43 U	4.1 UJ	70 U	21 U	21 U	10 J	38 U	NR
Endosulfan Sulfate	75 U	190 U	4 U	43 U	4.1 UJ	27 J	21 U	21 U	42 U	38 U	NR
Endrin	75 U	190 U	4 U	43 U	4.1 UJ	70 U	21 U	21 U	39 J	38 U	NR
Endrin Aldehyde	75 U	190 U	4 U	12 J	4.1 UJ	70 U	16 J	21 U	42 UJ	16 J	NR
Endrin Ketone	75 U	32 J	4 UJ	43 U	4.4 J	70 UJ	21 U	21 UJ	42 U	38 U	5 J
gamma-BHC (Lindane)	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
gamma-Chlordane	39 U	99 U	0.21 J	12 J	2.1 UJ	36 U	11 U	11 U	210 J	5.8 J	NR
Heptachlor	39 U	99 UJ	2 U	22 UJ	2.1 UJ	36 U	11 U	11 U	22 U	20 U	NR
Heptachlor Epoxide	39 U	99 U	2 U	22 U	2.1 UJ	36 U	11 U	11 U	58 J	36	1.3 J
Methoxychlor	390 UJ	85 J	20 UJ	220 U	21 UJ	360 UJ	110 U	110 UJ	220 U	200 U	7.2 J
Toxaphene	3900 U	9900 U	200 U	2200 U	210 UJ	3600 U	1100 U	1100 U	2200 U	2000 U	NR

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-3
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8081 - Pesticide Data

Sample ID Sample Date Units Compound	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
4,4'-DDD	3.8 U	3.9 U	220 U	20 U
4,4'-DDE	1.6 J	3.9 U	220 U	20 U
4,4'-DDT	3.8 U	3.9 U	220 U	23 J
Aldrin	2 U	2 U	190 J	10 U
alpha-BHC	0.61 J	2 U	110 U	10 U
alpha-Chlordane	2 U	0.13 J	110 U	10 U
beta-BHC	2 U	2 U	110 U	13
delta-BHC	2 U	2 U	270	5.8 J
Dieldrin	3.8 U	3.9 U	220 U	24
Endosulfan I	0.98 J	2 U	110 U	10 U
Endosulfan II	3.8 U	3.9 U	220 U	20 U
Endosulfan Sulfate	3.8 U	3.9 U	220 U	20 U
Endrin	1.9 J	3.9 U	220 U	20 U
Endrin Aldehyde	3.8 U	3.9 U	220 U	20 U
Endrin Ketone	3.8 U	3.9 U	220 U	20 U
gamma-BHC (Lindane)	2 U	2 U	110 J	10 U
gamma-Chlordane	3.5 J	0.46 J	110 U	3.7 J
Heptachlor	2 U	2 U	110 U	6.1 J
Heptachlor Epoxide	1.2 J	2 U	94 J	10 U
Methoxychlor	20 U	20 U	1100 U	100 U
Toxaphene	200 U	200 U	11000 U	1000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-4
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-2-6FT 07/01/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg
2,4,5-T	7700 J	44 J	3100 J	20000 UJ	8.8 U	9.8 U	9.6 UJ	8.8 U
2,4,5-TP (Silvex)	2100 U	48 U	9900 UJ	20000 UJ	8.8 U	9.8 U	9.6 UJ	8.8 U
2,4-D	20000	400	42000 J	12000 J	8.8 U	9.8 U	9.6 UJ	8.8 U
2,4-DB	2100 U	48 U	9900 UJ	20000 UJ	8.8 U	9.8 U	9.6 UJ	8.8 U
Dalapon	500000 U	12000 U	2400000 U	4900000 U	2100 U	2400 U	2300 UJ	2100 U
Dicamba	5000 U	120 U	24000 U	49000 U	21 U	24 U	23 UJ	21 U
Dichlorprop	25000 U	580 U	120000 U	240000 U	110 U	120 U	120 UJ	2.9 J
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	500000 U	12000 U	2400000 U	4900000 U	2100 U	2400 U	2300 UJ	2100 U
MCPP	500000 U	3800 J	2400000 U	4900000 U	2100 U	2400 U	2300 UJ	2100 U
Pentachlorophenol	28000 U	2600 U	110000 UJ	210000 UJ	18 U	20 U	20 UJ	18 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-4
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT 08/15/02 ug/kg	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg
2,4,5-T	10 U	10 U	7.8 J	95 U	9.5 U	3.9 J	58000 U	13 U
2,4,5-TP (Silvex)	10 U	10 U	9.5 U	95 U	9.5 U	9.4 U	58000 U	13 U
2,4-D	10 U	10 U	55 J	95 U	9.5 U	13 J	170000	13 U
2,4-DB	10 U	10 U	9.5 U	95 UJ	9.5 U	9.4 U	58000 U	13 U
Dalapon	2400 U	2400 U	8.3 J	23000 U	8 J	3 J	14000000 U	3100 U
Dicamba	24 U	24 U	23 U	230 U	23 U	3.1 J	140000 U	31 U
Dichlorprop	120 U	120 U	110 U	1100 U	110 U	110 U	700000 U	160 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2400 U	2400 U	2300 U	23000 U	2300 U	2300 U	14000000 U	3100 U
MCPP	2400 U	2400 U	2300 U	23000 U	1500 J	2300 U	14000000 U	3100 U
Pentachlorophenol	21 U	21 U	20 J	1200	19 J	32	510000	31 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-4
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-Q-11-6 07/22/02 ug/kg	SOIL-Q-12-6 07/22/02 ug/kg	SOIL-Q-13-6FT 08/15/02 ug/kg	SOIL-Q-2-6FT 07/18/02 ug/kg	SOIL-Q-3-6 07/17/02 ug/kg	SOIL-Q-4-6 07/18/02 ug/kg	SOIL-Q-5-6FT 07/17/02 ug/kg	SOIL-Q-6-6 07/19/02 ug/kg	SOIL-Q-7-6 07/19/02 ug/kg	SOIL-Q-8-6 07/19/02 ug/kg
2,4,5-T	17000 U	44 U	9.5 U	10	9.6 U	10 U	11 U	9.1 J	35 U	11 UJ
2,4,5-TP (Silvex)	17000 U	44 U	9.5 U	9.4 U	9.6 U	10 U	11 U	10 U	35 U	11 UJ
2,4-D	17000 U	44 U	9.5 U	21 J	9.6 U	10 U	11 U	7.5 J	35 U	11 UJ
2,4-DB	17000 U	44 U	9.5 U	9.4 UJ	9.6 U	10 UJ	11 U	10 UJ	35 UJ	11 UJ
Dalapon	4200000 U	11000 U	2300 U	9.2 J	2300 U	2400 U	2600 U	2500 U	68 J	2600 UJ
Dicamba	42000 U	110 U	23 U	23 U	23 U	24 U	26 U	25 U	85 U	26 UJ
Dichlorprop	210000 U	530 U	110 U	2.7 J	120 U	120 U	130 U	120 U	420 U	130 UJ
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	4200000 U	11000 U	2300 U	2300 U	2300 U	2400 U	2600 U	2500 U	8500 U	2600 UJ
MCPP	4200000 U	11000 U	2300 U	3600 J	2300 U	2400 U	2600 U	2500 U	8500 U	2600 UJ
Pentachlorophenol	240000 J	410 J	20 U	170	13 J	20 U	2 J	12 J	630 J	56 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-4
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8151 - Herbicide Data

Sample ID Sample Date Units Compound	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
2,4,5-T	10 UJ	10 U	7.6 J	95 U	95 U	39 U	2500 J	7.8 J
2,4,5-TP (Silvex)	10 UJ	10 U	48 U	95 U	95 U	39 U	350 J	10 U
2,4-D	10 UJ	4.8 J	420 J	280 J	270 J	39 U	1800 J	4.8 J
2,4-DB	10 UJ	10 U	27 J	45 J	95 U	39 U	1100 U	10 U
Dalapon	20 J	2500 U	11000 U	23000 U	23000 U	9400 U	270000 U	2400 U
Dicamba	25 UJ	25 U	110 U	230 U	230 U	94 U	2700 U	24 U
Dichlorprop	130 UJ	130 U	87 J	120 J	49 J	18 J	13000 U	120 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2500 UJ	2500 U	11000 U	23000 U	23000 U	9400 U	270000 U	2400 U
MCPP	1100 J	560 J	51000 J	85000 J	76000 J	36000 J	270000 U	240 J
Pentachlorophenol	57 J	25 U	93 J	200 U	200 U	80 U	440000 UJ	46 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-5
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-2-6FT 07/01/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg	SOIL-OS-4-6FT 08/15/02 ug/kg
Decachlorobiphenyl	42000 U	20 U	10000 U	4100 U	18 U	20 U	20 U	18 U	21 U
Dichlorobiphenyl	560000	29	78000	35000	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Heptachlorobiphenyl	34000	12 U	12000	5800	11 U	12 U	12 U	11 U	12 U
Hexachlorobiphenyl	72000	9.3	13000	5900	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Monochlorobiphenyl	390000	6.4	103000	39000	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Nonachlorobiphenyl	42000 U	20 U	10000 U	4100 U	18 U	20 U	20 U	18 U	21 U
Octachlorobiphenyl	25000 U	12 U	3500 J	1700 J	11 U	12 U	12 U	11 U	12 U
Pentachlorobiphenyl	360000	64 J	42000 J	22000 J	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Tetrachlorobiphenyl	990000	160 J	93000 J	48000 J	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Trichlorobiphenyl	620000	120 J	56000 J	38000 J	3.5 U	3.9 U	3.8 U	3.5 U	4 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-5
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg	SOIL-Q-11-6 07/22/02 ug/kg	SOIL-Q-12-6 07/22/02 ug/kg	SOIL-Q-13-6FT 08/15/02 ug/kg
Decachlorobiphenyl	21 U	9800 U	980 U	980 U	970 U	12000 U	26 U	350 U	23 U	20 U
Dichlorobiphenyl	4 U	1900 U	190 U	190 U	42 J	8700	4.9 J	42 J	4.4 U	3.8 U
Heptachlorobiphenyl	12 U	5700 U	570 U	570 U	570 U	7000 U	110	310	21	11 U
Hexachlorobiphenyl	8.2 U	3800 U	64 J	380 U	180 J	950 J	170	1200	110	7.7 U
Monochlorobiphenyl	4 U	1900 U	190 U	190 U	190 U	960 J	5.2 U	69 U	4.4 U	3.8 U
Nonachlorobiphenyl	21 U	9800 U	150 J	980 U	970 U	12000 U	12 J	350 U	23 U	20 U
Octachlorobiphenyl	12 U	5700 U	570 U	570 U	570 U	7000 U	39	36 J	13 U	11 U
Pentachlorobiphenyl	8.2 U	3800 U	380 U	380 U	1200 J	22000	490	4800	300	7.7 U
Tetrachlorobiphenyl	8.2 U	3800 U	380 U	380 U	380 U	90000	350	2600	210	7.7 U
Trichlorobiphenyl	4 U	500 J	550 J	190 U	750 J	60000	110	860	34	3.8 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-5
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-Q-2-6FT 07/18/02 ug/kg	SOIL-Q-3-6 07/17/02 ug/kg	SOIL-Q-4-6 07/18/02 ug/kg	SOIL-Q-5-6FT 07/17/02 ug/kg	SOIL-Q-6-6 07/19/02 ug/kg	SOIL-Q-7-6 07/19/02 ug/kg	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg
Decachlorobiphenyl	190 U	150 J	20 U	450 U	10 J	360 U	440 U	430 U	1100 U	20 U	20 U
Dichlorobiphenyl	18 J	77 U	4 U	87 U	4.1 U	180	120 J	200 J	210 U	43	3.8 U
Heptachlorobiphenyl	470	100 J	12 U	260 U	94	210 U	260 U	250 U	140 J	160	11 U
Hexachlorobiphenyl	300	190	8.1 U	180 U	80	79 J	250 J	340 J	630	200	7.7 U
Monochlorobiphenyl	38 U	77 U	4 U	87 U	4.1 U	70 U	180 J	210 J	210 U	3.8 U	3.8 U
Nonachlorobiphenyl	71 J	70 J	20 U	450 U	6 J	360 U	440 U	68 J	1100 U	4.7 J	20 U
Octachlorobiphenyl	180	230 U	12 U	260 U	33	210 U	260 U	250 U	630 U	37	11 U
Pentachlorobiphenyl	660	230	8.1 U	180 U	130	390	510 J	1000 J	2600	500	7.7 U
Tetrachlorobiphenyl	540 J	360	8.1 U	180 U	69 J	630 J	170 U	470 J	3900	670	7.7 U
Trichlorobiphenyl	130 J	47 J	4 U	87 U	4.1 U	350 J	200 J	170 J	500	280	1.4 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-5
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Units Compound	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
Decachlorobiphenyl	20 U	20 U	450 U	410 U
Dichlorobiphenyl	12	3.9 U	2500	80 U
Heptachlorobiphenyl	2.3 J	12 U	770	240 U
Hexachlorobiphenyl	14	7.9 U	920	160 U
Monochlorobiphenyl	1.6 J	3.9 U	2700	80 U
Nonachlorobiphenyl	20 U	20 U	450 U	410 U
Octachlorobiphenyl	11 U	12 U	190 J	240 U
Pentachlorobiphenyl	87	7.9 U	10000 J	130 J
Tetrachlorobiphenyl	120	7.9 U	20000 J	NR
Trichlorobiphenyl	38	3.9 U	2200 J	24 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-6
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 ug/kg	SOIL-O-2-6FT 07/01/02 ug/kg	SOIL-O-3-6FT 07/01/02 ug/kg	SOIL-O-3-6FT-DUP 07/01/02 ug/kg	SOIL-OS-1-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT 08/14/02 ug/kg	SOIL-OS-2-6FT DUP 08/14/02 ug/kg	SOIL-OS-3-6FT 08/14/02 ug/kg	SOIL-OS-4-6FT 08/15/02 ug/kg
Decachlorobiphenyl	42000 U	20 U	10000 U	4100 U	18 U	20 U	20 U	18 U	21 U
Dichlorobiphenyl	560000	29	78000	35000	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Heptachlorobiphenyl	34000	12 U	12000	5800	11 U	12 U	12 U	11 U	12 U
Hexachlorobiphenyl	72000	9.3	13000	5900	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Monochlorobiphenyl	390000	6.4	103000	39000	3.5 U	3.9 U	3.8 U	3.5 U	4 U
Nonachlorobiphenyl	42000 U	20 U	10000 U	4100 U	18 U	20 U	20 U	18 U	21 U
Octachlorobiphenyl	25000 U	12 U	3500 J	1700 J	11 U	12 U	12 U	11 U	12 U
Pentachlorobiphenyl	360000	64 J	42000 J	22000 J	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Tetrachlorobiphenyl	990000	160 J	93000 J	48000 J	7.1 U	7.9 U	7.8 U	7.1 U	8.2 U
Trichlorobiphenyl	620000	120 J	56000 J	38000 J	3.5 U	3.9 U	3.8 U	3.5 U	4 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-6
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT-DUP 08/15/02 ug/kg	SOIL-P-1-6FT 07/16/02 ug/kg	SOIL-P-2-6FT 07/16/02 ug/kg	SOIL-P-3-6FT 07/17/02 ug/kg	SOIL-P-4-6FT 07/16/02 ug/kg	SOIL-Q-1-6FT 07/26/02 ug/kg	SOIL-Q-10-6 07/26/02 ug/kg	SOIL-Q-11-6 07/22/02 ug/kg	SOIL-Q-12-6 07/22/02 ug/kg	SOIL-Q-13-6FT 08/15/02 ug/kg
Decachlorobiphenyl	21 U	9800 U	980 U	980 U	970 U	12000 U	26 U	350 U	23 U	20 U
Dichlorobiphenyl	4 U	1900 U	190 U	190 U	42 J	8700	4.9 J	42 J	4.4 U	3.8 U
Heptachlorobiphenyl	12 U	5700 U	570 U	570 U	570 U	7000 U	110	310	21	11 U
Hexachlorobiphenyl	8.2 U	3800 U	64 J	380 U	180 J	950 J	170	1200	110	7.7 U
Monochlorobiphenyl	4 U	1900 U	190 U	190 U	190 U	960 J	5.2 U	69 U	4.4 U	3.8 U
Nonachlorobiphenyl	21 U	9800 U	150 J	980 U	970 U	12000 U	12 J	350 U	23 U	20 U
Octachlorobiphenyl	12 U	5700 U	570 U	570 U	570 U	7000 U	39	36 J	13 U	11 U
Pentachlorobiphenyl	8.2 U	3800 U	380 U	380 U	1200 J	22000	490	4800	300	7.7 U
Tetrachlorobiphenyl	8.2 U	3800 U	380 U	380 U	380 U	90000	350	2600	210	7.7 U
Trichlorobiphenyl	4 U	500 J	550 J	190 U	750 J	60000	110	860	34	3.8 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-6
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-Q-2-6FT 07/18/02 ug/kg	SOIL-Q-3-6 07/17/02 ug/kg	SOIL-Q-4-6 07/18/02 ug/kg	SOIL-Q-5-6FT 07/17/02 ug/kg	SOIL-Q-6-6 07/19/02 ug/kg	SOIL-Q-7-6 07/19/02 ug/kg	SOIL-Q-8-6 07/19/02 ug/kg	SOIL-Q-8-6-DUP 07/19/02 ug/kg	SOIL-Q-9-6 07/26/02 ug/kg	SOIL-R-1-6FT 07/11/02 ug/kg	SOIL-R-2-6 07/11/02 ug/kg
Decachlorobiphenyl	190 U	150 J	20 U	450 U	10 J	360 U	440 U	430 U	1100 U	20 U	20 U
Dichlorobiphenyl	18 J	77 U	4 U	87 U	4.1 U	180	120 J	200 J	210 U	43	3.8 U
Heptachlorobiphenyl	470	100 J	12 U	260 U	94	210 U	260 U	250 U	140 J	160	11 U
Hexachlorobiphenyl	300	190	8.1 U	180 U	80	79 J	250 J	340 J	630	200	7.7 U
Monochlorobiphenyl	38 U	77 U	4 U	87 U	4.1 U	70 U	180 J	210 J	210 U	3.8 U	3.8 U
Nonachlorobiphenyl	71 J	70 J	20 U	450 U	6 J	360 U	440 U	68 J	1100 U	4.7 J	20 U
Octachlorobiphenyl	180	230 U	12 U	260 U	33	210 U	260 U	250 U	630 U	37	11 U
Pentachlorobiphenyl	660	230	8.1 U	180 U	130	390	510 J	1000 J	2600	500	7.7 U
Tetrachlorobiphenyl	540 J	360	8.1 U	180 U	69 J	630 J	170 U	470 J	3900	670	7.7 U
Trichlorobiphenyl	130 J	47 J	4 U	87 U	4.1 U	350 J	200 J	170 J	500	280	1.4 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-6
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8280A - PCDD/PCDF Data

Sample ID Sample Date Units Compound	SOIL-R-3-6FT 07/12/02 ug/kg	SOIL-R-4-6FT 07/12/02 ug/kg	SOIL-S-1-6FT 07/01/02 ug/kg	SOIL-S-2-6FT 07/01/02 ug/kg
Decachlorobiphenyl	20 U	20 U	450 U	410 U
Dichlorobiphenyl	12	3.9 U	2500	80 U
Heptachlorobiphenyl	2.3 J	12 U	770	240 U
Hexachlorobiphenyl	14	7.9 U	920	160 U
Monochlorobiphenyl	1.6 J	3.9 U	2700	80 U
Nonachlorobiphenyl	20 U	20 U	450 U	410 U
Octachlorobiphenyl	11 U	12 U	190 J	240 U
Pentachlorobiphenyl	87	7.9 U	10000 J	130 J
Tetrachlorobiphenyl	120	7.9 U	20000 J	NR
Trichlorobiphenyl	38	3.9 U	2200 J	24 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-7
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-O-1-6FT 07/02/02 mg/kg	SOIL-O-2-6FT 07/01/02 mg/kg	SOIL-O-3-6FT 07/01/02 mg/kg	SOIL-O-3-6FT-DUP 07/01/02 mg/kg	SOIL-OS-1-6FT 08/14/02 mg/kg	SOIL-OS-2-6FT 08/14/02 mg/kg	SOIL-OS-2-6FT DUP 08/14/02 mg/kg	SOIL-OS-3-6FT 08/14/02 mg/kg	SOIL-OS-4-6FT 08/15/02 mg/kg
Aluminum	1500	9300	10000	7000	2800	6200	4200	2300	4900
Antimony	2.4	2.1 U	2.2 U	2 U	1.9 UJ	2.1 UJ	2.1 UJ	1.9 UJ	0.64 J
Arsenic	37	5.5	8.6	6	3.8	5.8	4.7	3	7.1
Barium	1200	100	130	240	110	160	160	170	180
Beryllium	0.14 J	0.65	0.74	0.51	0.22	0.45	0.33	0.18	0.46
Cadmium	86	0.69	2.4	0.33 J	0.1	0.21 J	0.13	0.078	0.27 J
Calcium	7900	4100	6100	12000	11000	13000	13000	8400	14000
Chromium	62	17	24	11	6	10	7.9	5.6	10
Cobalt	4.1	10	7	6.1	3.9	5.5	4.7	3.2	6.2
Copper	1500	15	35	14	3	11	7.7	2.7	13
Iron	8500	17000	20000	13000	7800	12000	9600	6300	12000
Lead	1200	12	22	12	5.2 J	8.4 J	6.5 J	4.1	9.9 J
Magnesium	950	3300	3700	6300	4000	5800	5600	3900	5600
Manganese	1800	730	460	380	150	320	240	210	270
Mercury	360 J	0.22 J	20 J	0.056 J	0.0058	0.014	0.013	0.0054	0.022
Nickel	25 J	21 J	22 J	16 J	9.5	14	11	9.3	17
Potassium	420 J	760 J	1000 J	1600 J	600 J	1300 J	910 J	580 J	1300 J
Selenium	24	1.1 U	1.1 U	1 U	0.97 U	1.1 U	1.1 U	0.97 U	1.1 U
Silver	15	1.1 U	1.1 U	1 U	0.97 U	1.1 U	1.1 U	0.97 U	1.1 U
Sodium	220	86 U	200	270	110	97 U	100 U	60 U	120 U
Thallium	1 UJ	1.1 UJ	1.1 UJ	1 UJ	0.97 U	1.1 U	1.1 U	0.97 U	1.1 U
Vanadium	11	28	31	21	11 J	20 J	15 J	11 J	18 J
Zinc	NR	48	150 J	49 J	25	37	30	19	38

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-7
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID Sample Date Units Compound	SOIL-OS-4-6FT-DUP 08/15/02 mg/kg	SOIL-P-1-6FT 07/16/02 mg/kg	SOIL-P-2-6FT 07/16/02 mg/kg	SOIL-P-3-6FT 07/17/02 mg/kg	SOIL-P-4-6FT 07/16/02 mg/kg	SOIL-Q-1-6FT 07/26/02 mg/kg	SOIL-Q-10-6 07/26/02 mg/kg	SOIL-Q-11-6 07/22/02 mg/kg	SOIL-Q-12-6 07/22/02 mg/kg	SOIL-Q-13-6FT 08/15/02 mg/kg
Aluminum	4800	4500	5300	6800	4700	6000	9900	10000	9600	4500
Antimony	2.4 UJ	0.86 J	1.2 J	2.3 UJ	0.75 J	84 J	16 J	14 J	2.7 UJ	0.57 J
Arsenic	6.3	27 J	12	8.9 J	7.9 J	40	19	19	5.8	4.4
Barium	180	120	110 J	130	94	7200	1200	620	280	200
Beryllium	0.44	1.2	0.41	0.45	0.73	0.23	0.34	0.28	0.69	0.33
Cadmium	0.23	5.6	6.8	3.6	1.2	51	17	10	0.13 J	0.13
Calcium	15000	45000	40000	40000	59000	16000	16000	18000	15000	15000
Chromium	9.7	23	22	14	31	140	98	130	16	8.8
Cobalt	5.9	8.4 J	4.3 J	6.9 J	5.1 J	21	21	25	8.3	4.6
Copper	12	35	52 J	30	36	3800 J	1700 J	570	21	6.1
Iron	12000	12000	22000	12000	8300	83000	130000	NR	19000	10000
Lead	9.3 J	110	86	34	130	24000	1200	1500	14	7
Magnesium	5900	2800	1800	2600	5500	3100	1900	1700	6700	6200
Manganese	260	130	210 J	440	220	600	870	1400	510	220
Mercury	0.019	0.91	3.2 J	1.6	1.4	1.8 J	0.49 J	36	0.021	0.0066 J
Nickel	16	32	20	17	23	110	100	320	22	11
Potassium	1200 J	1100 J	1200 J	930 J	1100 J	700	670	660 J	1900 J	840
Selenium	1.2 U	1.8	3.4 J	1.1 U	0.75	1.3 U	3.7	2.1 UJ	1.3 UJ	1.1 U
Silver	1.2 U	0.3	0.8	0.25	1 U	4	9.9	2	1.3 U	1.1 U
Sodium	130 U	1200	790	10000	2400	1200	410	300 U	210 U	120 U
Thallium	1.2 U	1.5	1.1 U	1.1 U	1 U	2.6 U	3.1 U	4.2 U	1.3 U	1.1 U
Vanadium	18 J	30	25	25	18	24	16	12 J	28	17 J
Zinc	37	280 J	700 J	2900 J	200 J	11000 J	1900 J	2100	63	32

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-7
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 6010/7471/D2216 - Inorganic Data

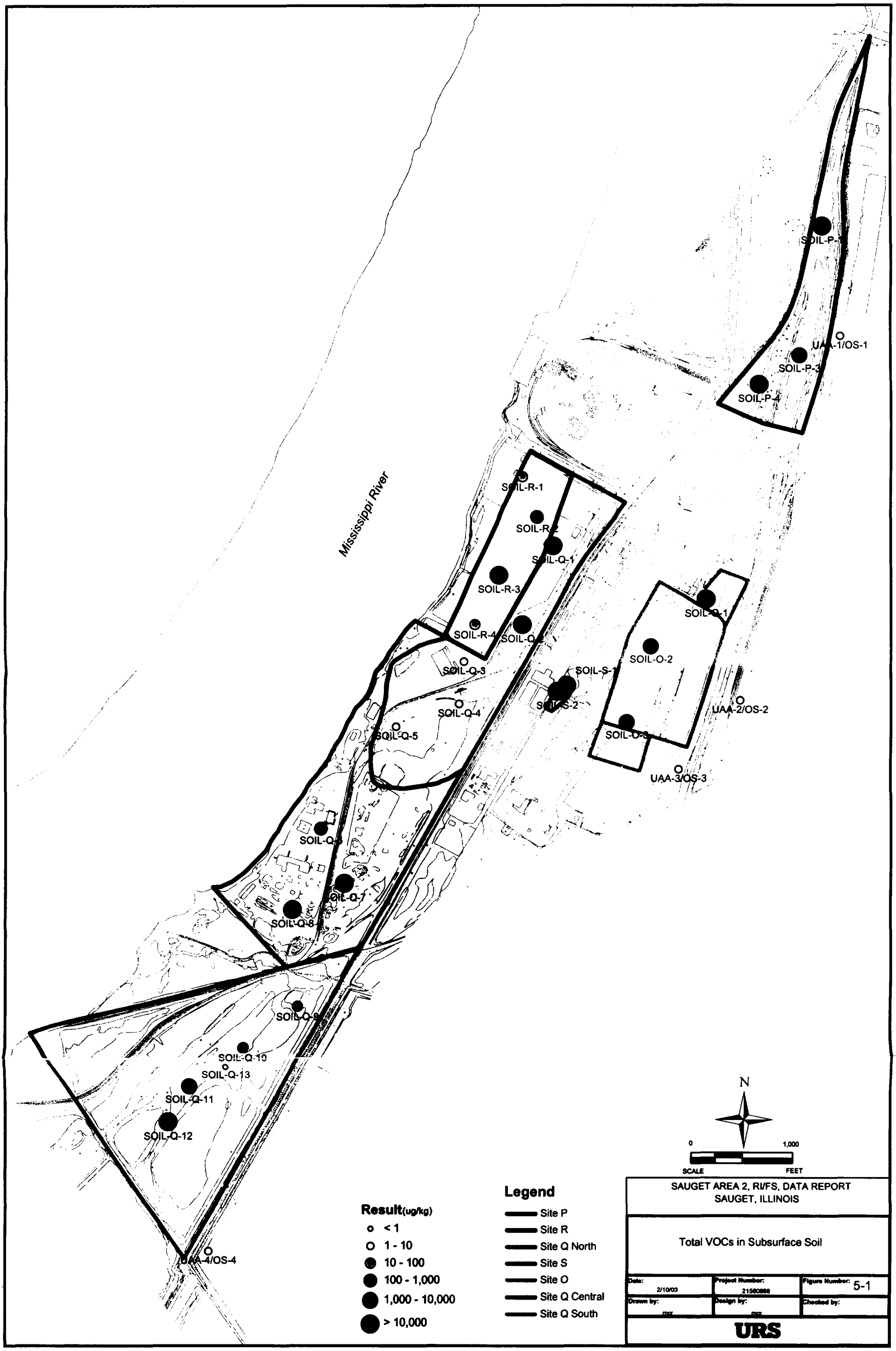
Sample ID Sample Date Units Compound	SOIL-Q-2-6FT 07/18/02 mg/kg	SOIL-Q-3-6 07/17/02 mg/kg	SOIL-Q-4-6 07/18/02 mg/kg	SOIL-Q-5-6FT 07/17/02 mg/kg	SOIL-Q-6-6 07/19/02 mg/kg	SOIL-Q-7-6 07/19/02 mg/kg	SOIL-Q-8-6 07/19/02 mg/kg	SOIL-Q-8-6-DUP 07/19/02 mg/kg	SOIL-Q-9-6 07/26/02 mg/kg	SOIL-R-1-6FT 07/11/02 mg/kg	SOIL-R-2-6 07/11/02 mg/kg
Aluminum	3300	4800	5400	5200	3200	7800	8100	7500	6600	9600 J	8100 J
Antimony	7.9 J	1.8 J	0.81 J	2.4 UJ	5.8 J	3.7 J	2.3 J	2.2 J	27 J	2.3 UJ	2.1 UJ
Arsenic	9.1	7.9 J	12	6.3 J	57	13	13	8.6	17	6.4	6.2
Barium	230 J	260	110 J	120	75 J	200 J	510 J	280 J	1900	130 J	120 J
Beryllium	0.64	0.53	0.88	0.53	2.6	0.53	0.65	0.47	0.32	0.59	0.48
Cadmium	5.1	4	1.5	0.4	0.41	3.8	14	5.3	22	0.36 J	0.19 J
Calcium	20000	87000	73000	71000	2200	21000	46000	63000	17000	5100	7500
Chromium	28	48	12	17	27	33	85	110	74	16	14
Cobalt	4.9 J	4.9 J	9.7 J	4.9 J	11 J	6.5 J	12 J	18 J	13	7.9 J	7.6 J
Copper	120 J	220	28 J	32	150 J	20000 J	260 J	190 J	520 J	20	15
Iron	45000	35000	33000	14000	6200	54000	21000	22000	79000	18000	16000
Lead	1100 J	500	64 J	150	120 J	300 J	520 J	640 J	1600	17 J	9.8 J
Magnesium	1600	3600	9100	3000	400	1700	5800	9700	2500	4000 J	5500 J
Manganese	220 J	240	350 J	200	29 J	310 J	3000 J	7900 J	600	520	650
Mercury	0.98 J	2.2	0.099 J	0.26	0.11 J	0.049 J	0.61 J	0.92 J	0.62 J	0.19	0.047
Nickel	27	30	24	13	32	160	69	67	58	19	18
Potassium	430 J	790 J	800 J	740 J	500 J	490 J	1500 J	1000 J	740	850 J	760 J
Selenium	1.1 UJ	1.1	1.1 UJ	1.2 U	6.4	2.1 UJ	1.2 UJ	6.3 U	0.8 U	1.1 U	1 U
Silver	3.2	0.26	1.1 UJ	0.19	0.55	2.5	2.6	4.9	5.1	1.1 U	1 U
Sodium	250	1400	190	180	100 U	270	1100	1600	370	130 J	120 J
Thallium	1.1 U	1.2 U	1.1 U	1.2 U	4.1	2.1 U	1.2 U	6.3 U	1.3 U	1.1 U	1 U
Vanadium	20	15	25	27	56	13	26	19	17	31 J	27 J
Zinc	730 J	520 J	210 J	140 J	80 J	430 J	630 J	740 J	2300 J	74 J	44 J

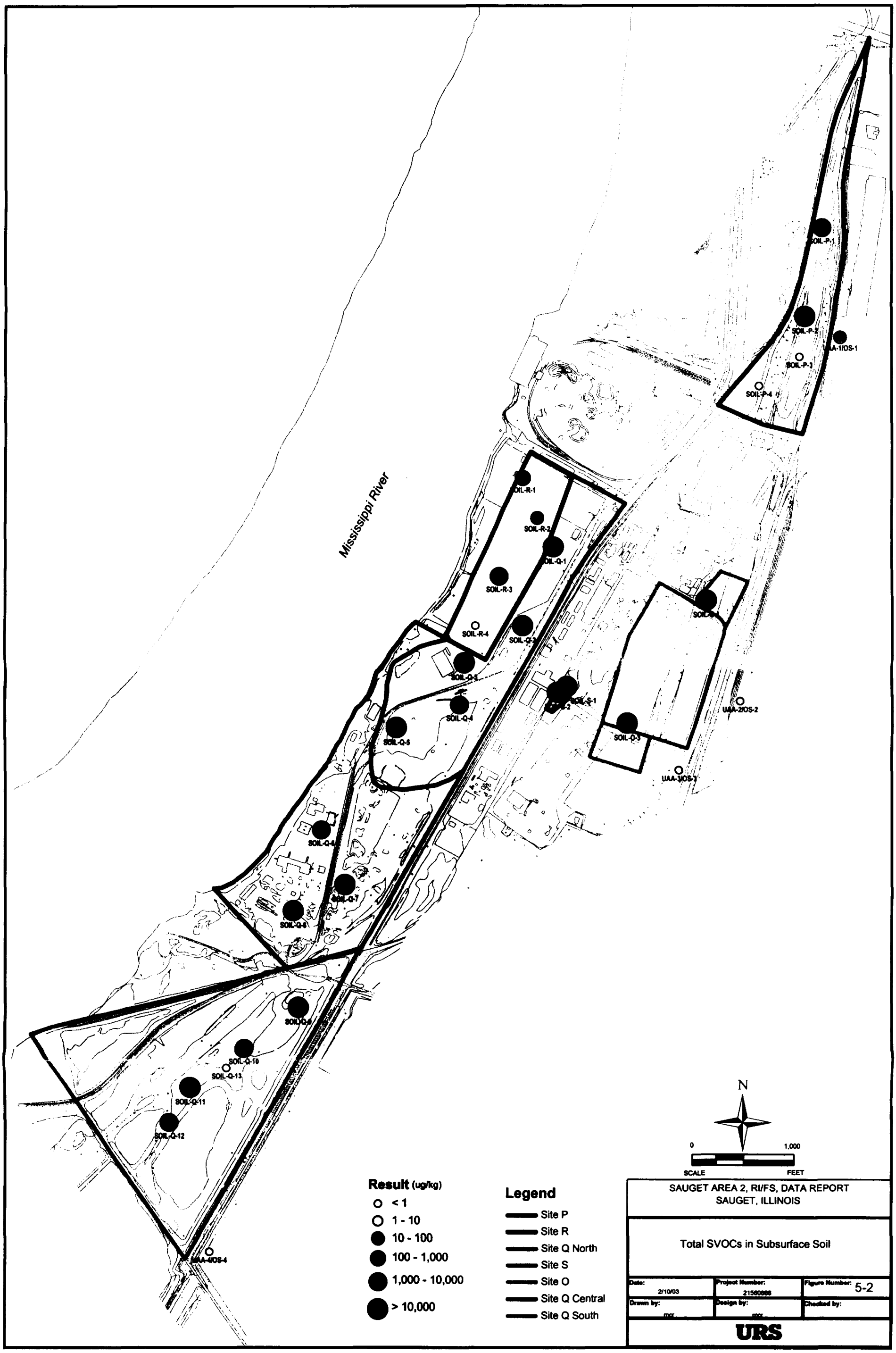
DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

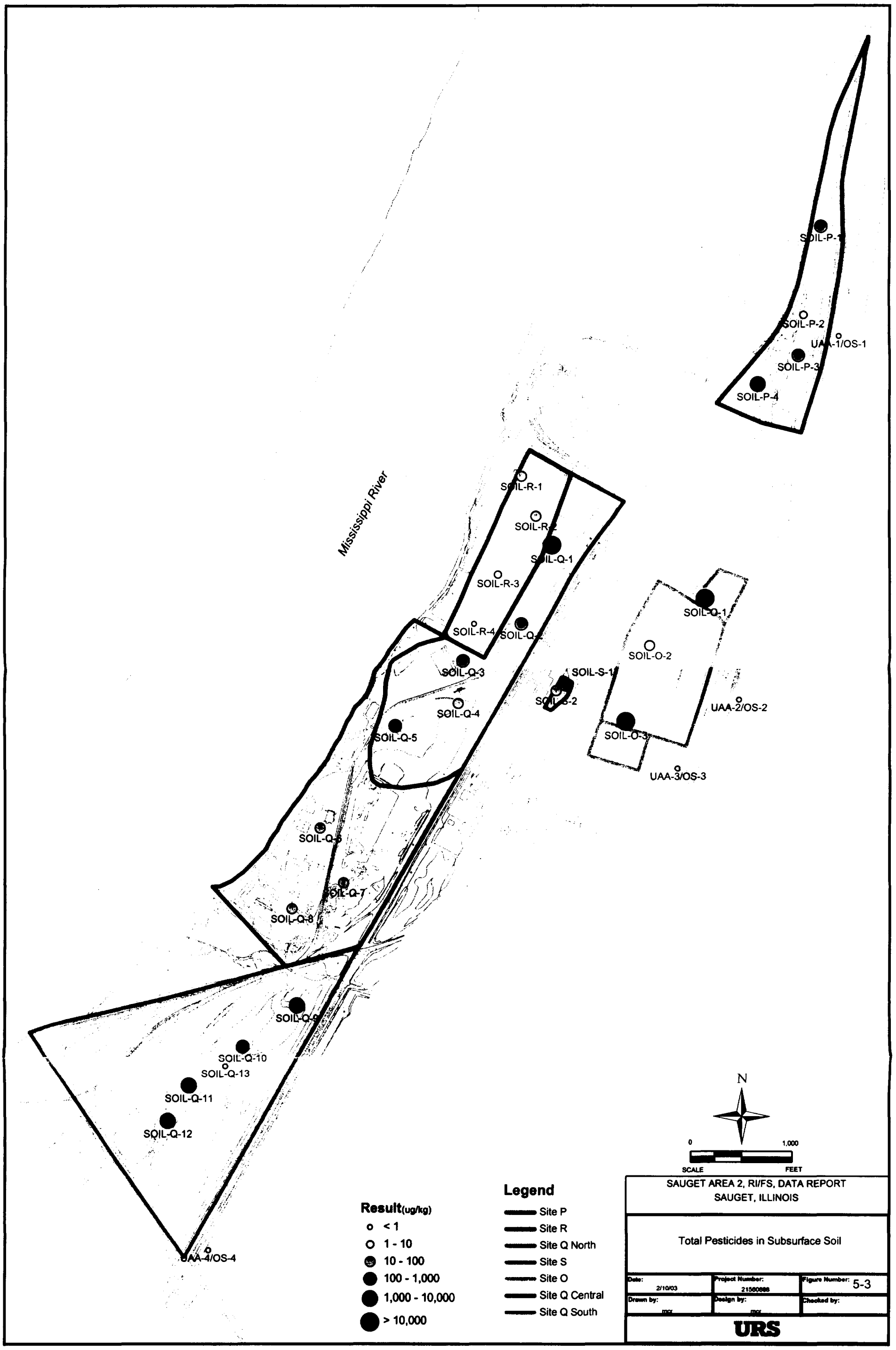
Table 5-7
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 6010/7471/D2216 - Inorganic Data

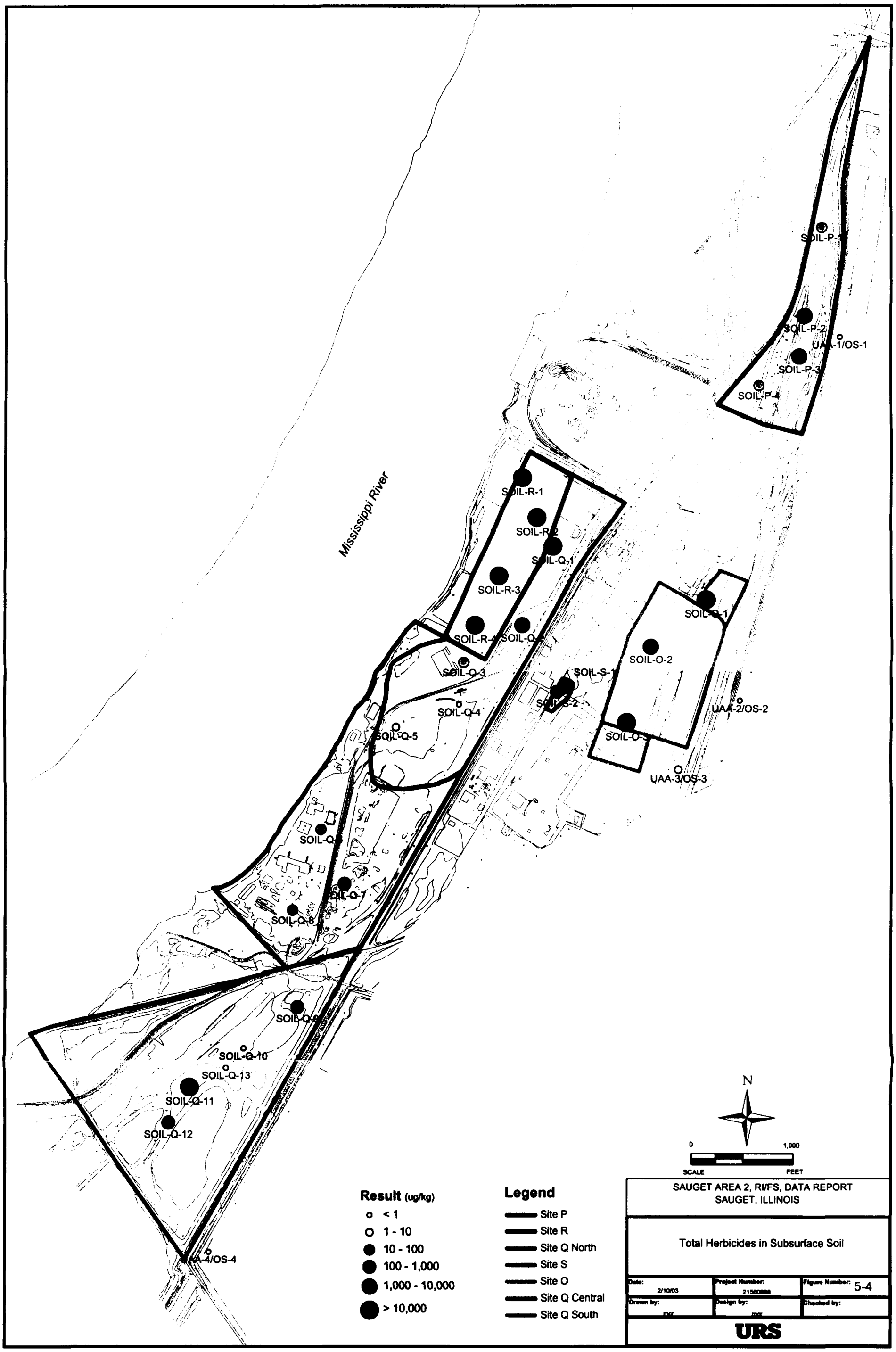
Sample ID Sample Date Units Compound	SOIL-R-3-6FT 07/12/02 mg/kg	SOIL-R-4-6FT 07/12/02 mg/kg	SOIL-S-1-6FT 07/01/02 mg/kg	SOIL-S-2-6FT 07/01/02 mg/kg
Aluminum	5400 J	8400 J	3800	3300
Antimony	4 J	2.1 UJ	4.1	4.1
Arsenic	12	5.4	4.2	3.4
Barium	160 J	120 J	290	200
Beryllium	0.78	0.47	0.33 J	0.26 J
Cadmium	3.8 J	0.53 U	32	3.2
Calcium	38000	5600	NR	NR
Chromium	260	13	480	260
Cobalt	7.7	7.1	6.5	6.3
Copper	130	14	200	34
Iron	39000	16000	7000	6400
Lead	110 J	8.1 J	2400	1200
Magnesium	2100 J	4600 J	4500	14000
Manganese	280	570	230	110
Mercury	1.1	0.064	2.6 J	0.4 J
Nickel	60	17	15 J	11 J
Potassium	890 J	800 J	770 J	950 J
Selenium	1 U	1.1 U	1.8	0.66
Silver	1.1	1.1 U	2.8	1.2 U
Sodium	720 J	130 J	340	300
Thallium	1 UJ	1.1 UJ	1.2 UJ	1.2 UJ
Vanadium	27 J	29 J	11	11
Zinc	5900	40 J	1800	230

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported


Mississippi River
SOIL-P-4
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result(ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total VOCs in Subsurface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 5-1
Drawn by: mgr
Design by: mgr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-S-1
UAA-2/OS-2
SOIL-Q-4
SOIL-Q-5
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Subsurface Soil
Date: 2/10/03
Project Number: 21560666
Figure Number: 5-2
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result(ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Subsurface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 5-3
Drawn by: mcr
Design by: mcr
Checked by:
URS

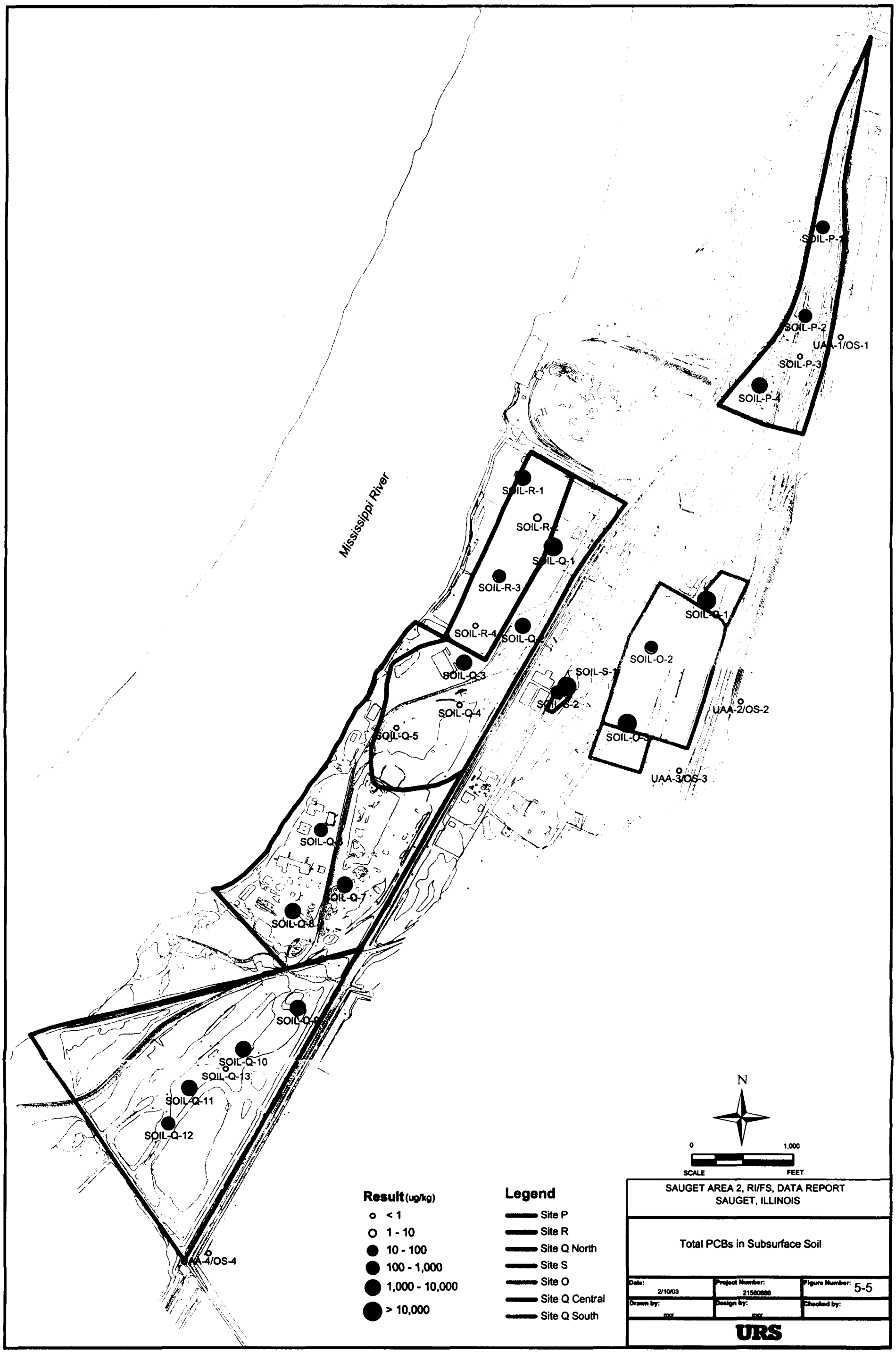


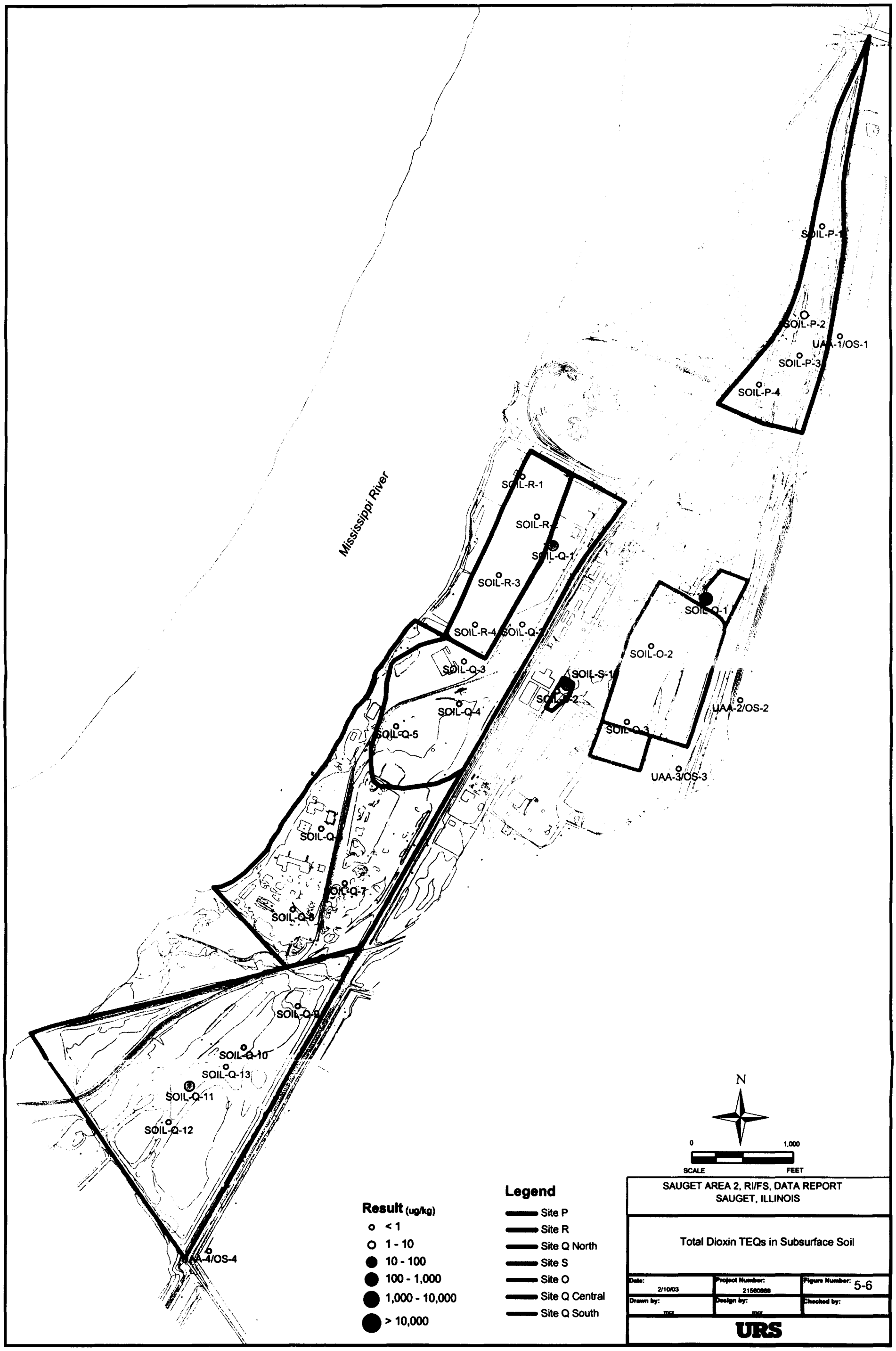
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS

Total Herbicides in Subsurface Soil

Date:	Project Number:	Figure Number:
2/10/03	21560888	5-4
Drawn by: mgr	Design by: mgr	Checked by:

URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Subsurface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 5-5
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
SOIL-O-1
SOIL-O-2
SOIL-S-1
SOIL-S-2
UAA-2/OS-2
SOIL-O-3
UAA-3/OS-3
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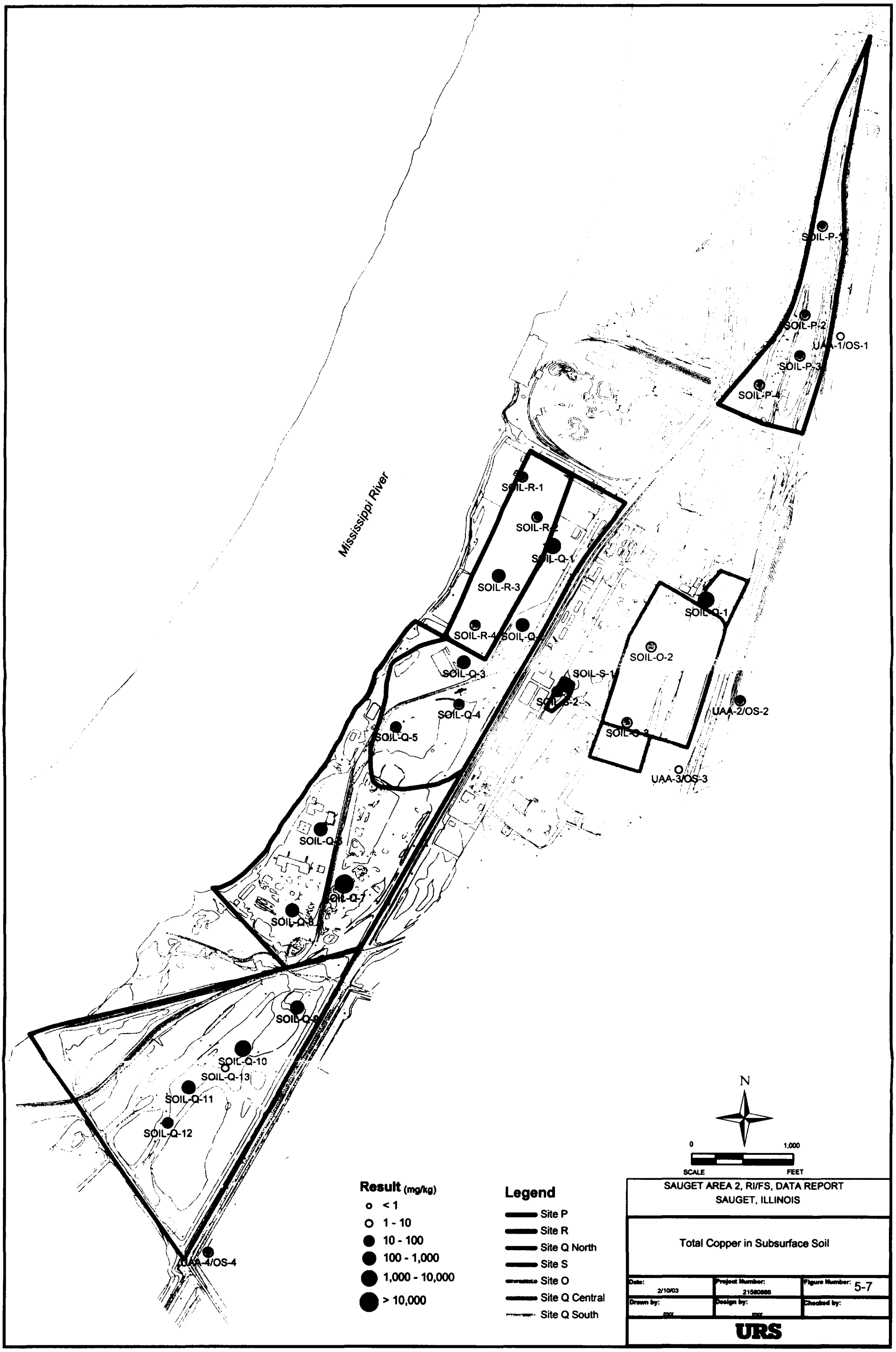
0
1,000
SCALE
FEET
Result (ug/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Subsurface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 5-6
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
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UAA-3/OS-3
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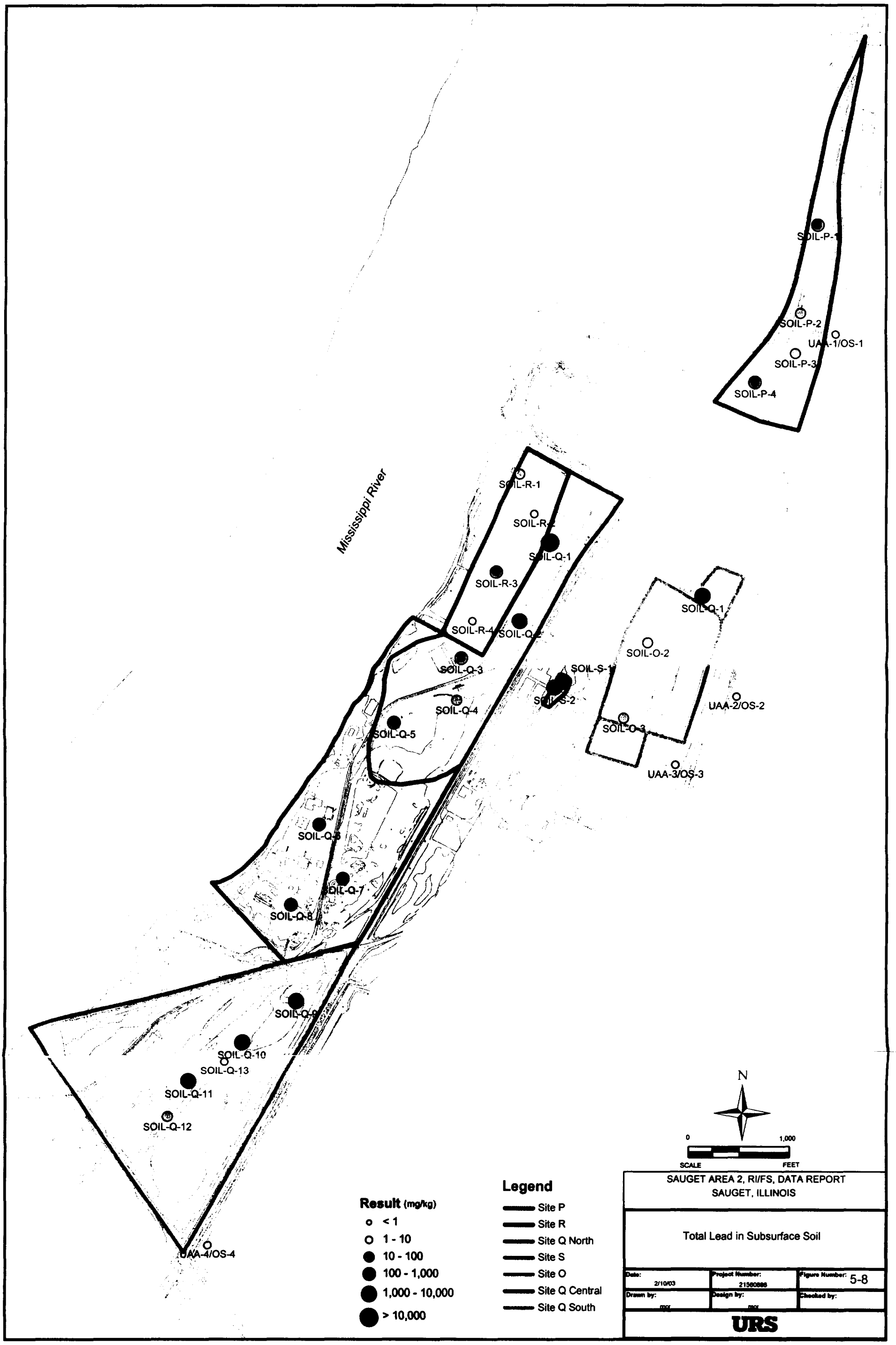
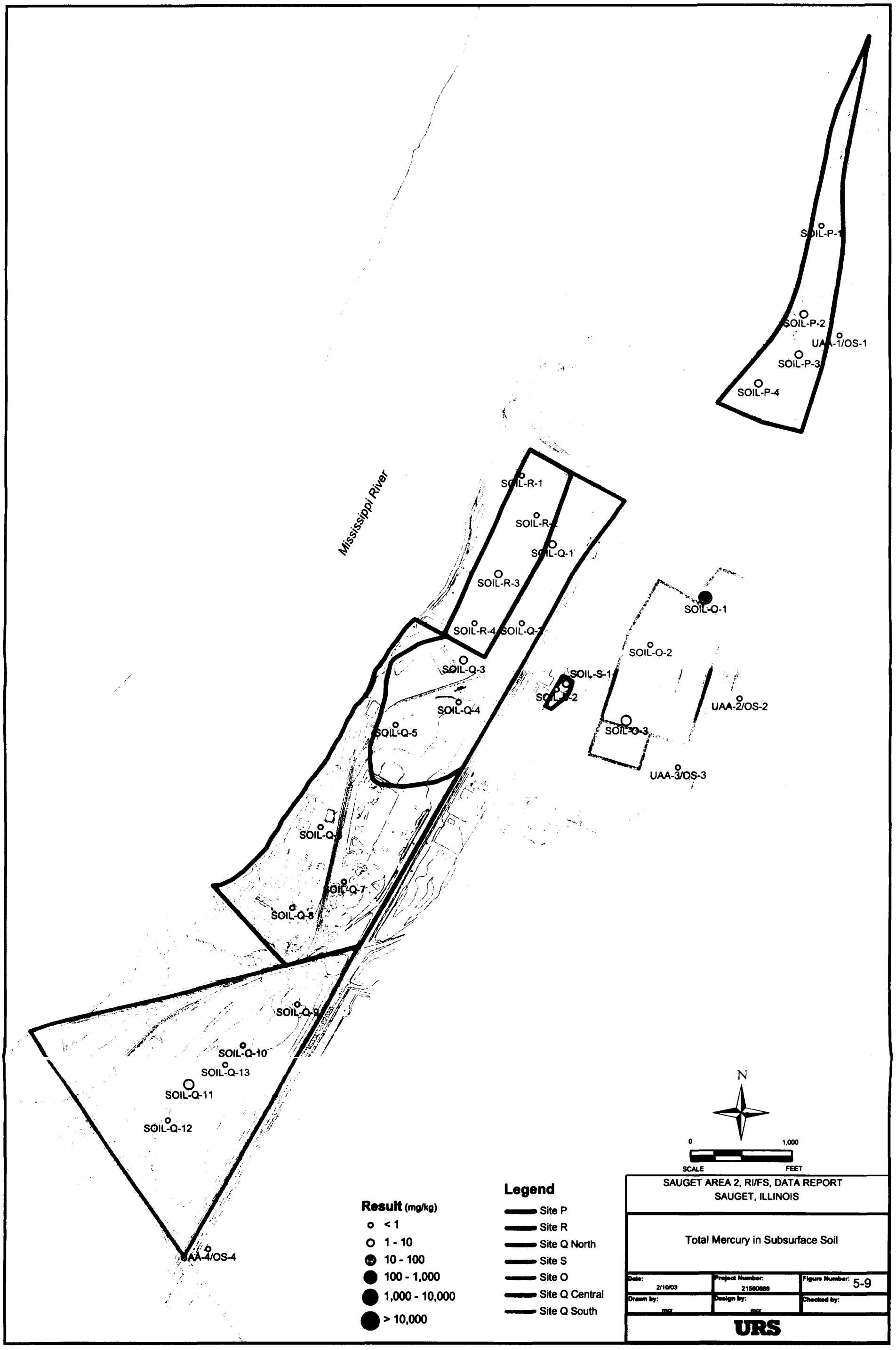
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Subsurface Soil
Date: 2/10/03
Project Number: 21580888
Figure Number: 5-7
Drawn by: mrr
Design by: mrr
Checked by:
URS


SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
Mississippi River
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Subsurface Soil
Date: 2/10/03
Project Number: 21560886
Figure Number: 5-8
Drawn by: mcr
Design by: mcr
Checked by:
URS


SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
Mississippi River
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-Q-4
SOIL-Q-5
SOIL-Q-6
SOIL-Q-7
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SOIL-Q-13
SOIL-Q-11
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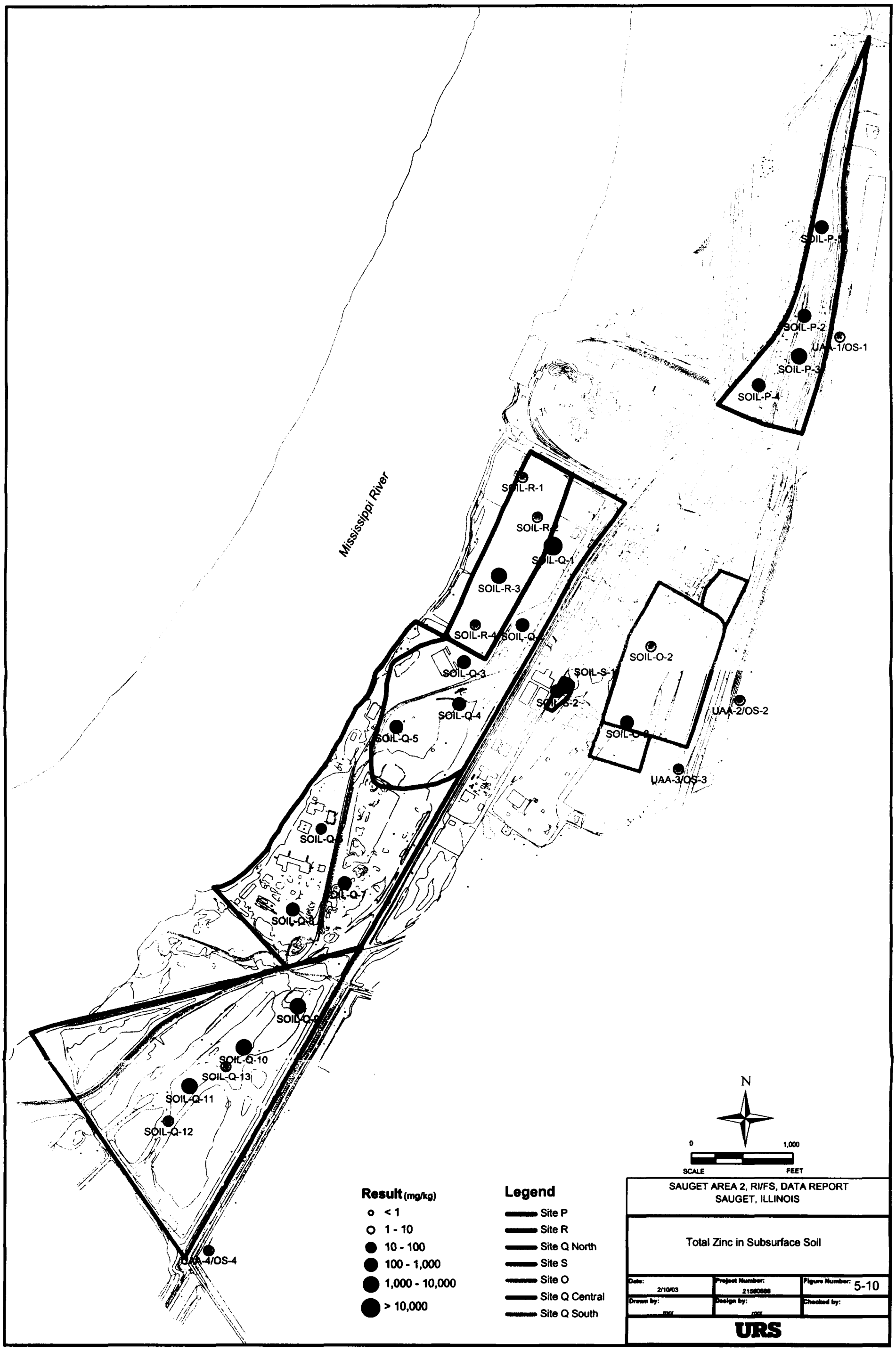
UAA-4/OS-4
SOIL-S-1
SOIL-S-2
SOIL-O-1
SOIL-O-2
SOIL-O-3
UAA-2/OS-2
UAA-3/OS-3
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Subsurface Soil
Date: 2/10/03
Project Number: 21560888
Figure Number: 5-9
Drawn by: mcr
Design by: mcr
Checked by:
URS


Mississippi River
SOIL-P-1
SOIL-P-2
UAA-1/OS-1
SOIL-P-3
SOIL-P-4
SOIL-R-1
SOIL-R-2
SOIL-Q-1
SOIL-R-3
SOIL-R-4
SOIL-Q-2
SOIL-Q-3
SOIL-S-1
SOIL-S-2
SOIL-Q-4
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SOIL-O-2
UAA-2/OS-2
SOIL-O-1
UAA-3/OS-3
SOIL-Q-6
SOIL-Q-7
SOIL-Q-8
SOIL-Q-9
SOIL-Q-10
SOIL-Q-13
SOIL-Q-11
SOIL-Q-12
UAA-4/OS-4
N
0
1,000
SCALE
FEET
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Subsurface Soil
Date: 2/10/03
Project Number: 21580686
Figure Number: 5-10
Drawn by: mcr
Design by: mcr
Checked by:
URS

Section 6

Table 6-1
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-15 Volatile Organic Compounds

Sample ID Sample Date Units Compound	SO1-VC-082502-R-045 08/25/02 ppbv	SO2-VC-082502-R-050 08/25/02 ppbv	SO3-VC-082502-R-055 08/25/02 ppbv	SO4-VC-082502-D-065 08/25/02 ppbv	SO4-VC-082502-R-060 08/25/02 ppbv	SP1-VC-082402-R-021 08/24/02 ppbv
1,1,1-Trichloroethane	0.0438 U	0.0455 J	0.0463 U	0.0426 U	0.0439 U	0.0505 U
1,1,2,2-Tetrachloroethane	0.136 U	0.0758 U	0.144 U	0.133 U	0.137 U	0.158 U
1,1,2-Trichloroethane	0.0593 U	0.0329 U	0.0627 U	0.0576 U	0.0594 U	0.0684 U
1,1-Dichloroethane	0.0419 U	0.0233 U	0.0443 U	0.0407 U	0.042 U	0.0484 U
1,1-Dichloroethylene	0.0273 U	0.0151 U	0.0288 U	0.0265 U	0.0274 U	0.0315 U
1,2-Dichloroethane	0.0554 U	0.0308 U	0.0586 U	0.0539 U	0.0556 U	0.064 U
1,2-Dichloropropane	0.0599 U	0.0332 U	0.0633 U	0.0582 U	0.06 U	0.0691 U
2-Butanone (MEK)	6.4 J	9.86 J	0.8 J	1.32 J	3.08 J	0.58 J
4-Methyl-2-pentanone (MIBK)	1.51 J	2.12 J	0.321 J	0.154 J	0.289 J	0.0868 U
Acetone	4.24 J	5.07 J	5.88 J	4.59 J	10.9 J	5.21 J
Benzene	0.423 J	0.5 J	2.44 J	1.12 J	1.18 J	0.171 J
Bromodichloromethane	0.04 U	0.0222 U	0.0423 U	0.0389 U	0.0401 U	0.0462 U
Bromoform	0.0279 U	0.0155 U	0.0294 U	0.0271 U	0.0279 U	0.0322 U
Bromomethane	0.0906 U	0.0503 U	0.0958 U	0.0881 U	0.0909 U	0.104 U
Carbon Tetrachloride	0.221 U	0.123 U	0.234 U	0.215 U	0.222 U	0.256 U
Chlorobenzene	0.0949 U	0.0417 U	0.0412 U	0.0379 U	0.0783 U	0.045 U
Chlorodibromomethane	0.038 U	0.0211 U	0.0402 U	0.037 U	0.0382 U	0.0439 U
Chloroethane	0.0418 U	0.0232 U	0.0442 U	0.0406 U	0.0419 U	0.0482 U
Chloroform	0.0899 J	0.0955 J	0.143 J	0.0893 J	0.114 J	0.0866 U
Chloromethane	0.396 J	0.441 J	0.462 J	0.421 J	0.467 J	0.57 J
cis-1,3-Dichloropropene	0.0387 R	0.0215 R	0.0409 R	0.0377 R	0.0388 R	0.0447 R
Dichloromethane	0.134 J	0.134 J	0.298 J	0.27 J	0.382 J	0.511 J
Ethylbenzene	0.101 J	0.116 J	0.67 J	0.111 J	0.138 J	0.057 J
Methyl tert-butyl ether (MTBE)	0.0368 U	0.0204 U	0.186 J	0.0357 U	0.0369 U	0.0424 U
o-Xylene	0.114 J	0.136 J	0.818 J	0.127 J	0.154 J	0.116 R
p-Xylene/m-Xylene	0.296 J	0.366 J	2.25 J	0.318 J	0.412 J	0.167 U
Styrene (Monomer)	0.0873 R	0.0484 R	0.138 J	0.0848 R	0.116 J	0.101 R
Tetrachloroethene	0.114 U	0.0635 U	0.121 U	0.111 U	0.0495	0.132 U
Toluene	1.22 J	1.32 J	6.87 J	1.37 J	1.61 J	0.525 J
trans-1,3-Dichloropropene	0.0807 U	0.0448 U	0.0853 U	0.0785 U	0.081 U	0.0932 U
Trichloroethylene	0.118 U	0.0653 U	0.124 U	0.114 U	0.118	0.136 U
Vinyl chloride	0.042 U	0.0233 U	0.0444 U	0.0408 U	0.0421 U	0.0485 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-1
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-15 Volatile Organic Compounds

Sample ID Sample Date Units Compound	SP2-VC-082402-R-022 08/24/02 ppbv	SP3-VC-082402-R-023 08/24/02 ppbv	SP4-VC-082402-R-024 08/24/02 ppbv	SQ1-VC-082602-R-070 08/26/02 ppbv	SQ2-VC-082602-R-075 08/26/02 ppbv	SQ3-VC-082602-R-080 08/26/02 ppbv
1,1,1-Trichloroethane	0.026 J	0.0447 U	0.0283 U	0.0478 U	0.0397 U	0.0453 U
1,1,2,2-Tetrachloroethane	0.0749 U	0.139 U	0.0884 U	0.149 U	0.124 U	0.141 U
1,1,2-Trichloroethane	0.0325 U	0.0606 U	0.0384 U	0.0647 U	0.0538 U	0.0614 U
1,1-Dichloroethane	0.023 U	0.0428 U	0.0271 U	0.0457 U	0.038 U	0.0434 U
1,1-Dichloroethylene	0.015 U	0.0278 U	0.0176 U	0.0298 U	0.0247 U	0.0282 U
1,2-Dichloroethane	0.0304 U	0.0566 U	0.0359 U	0.0605 U	0.0503 U	0.0574 U
1,2-Dichloropropane	0.0328 U	0.0612 U	0.0388 U	0.0653 U	0.0543 U	0.062 U
2-Butanone (MEK)	0.479 J	0.578 J	0.491 J	1.22 J	0.667 J	0.502 J
4-Methyl-2-pentanone (MIBK)	0.0412 U	0.0768 U	0.0487 U	0.546 J	0.731 J	0.0778 U
Acetone	4.25 J	5.78 J	5.29 J	6.88 J	5.58 J	6.88 J
Benzene	0.132 J	0.153 J	0.118 J	0.652 J	0.405 J	0.167 J
Bromodichloromethane	0.0219 U	0.0409 U	0.0259 U	0.0437 U	0.0363 U	0.0414 U
Bromoform	0.0153 U	0.0285 U	0.018 U	0.0304 U	0.0253 U	0.0288 U
Bromomethane	0.0497 U	0.0925 U	0.0586 U	0.0989 U	0.0822 U	0.0938 U
Carbon Tetrachloride	0.121 U	0.226 U	0.143 U	0.242 U	0.201 U	0.229 U
Chlorobenzene	0.0214 U	0.0399 U	0.0253 U	0.0938 U	0.358 J	0.0404 U
Chlorodibromomethane	0.0208 U	0.0388 U	0.0246 U	0.0415 U	0.0345 U	0.0394 U
Chloroethane	0.0229 U	0.0427 U	0.027 U	0.0456 U	0.0379 U	0.0433 U
Chloroform	0.0542 J	0.0766 U	0.0646 J	0.0818 U	0.068 U	0.0776 U
Chloromethane	0.459 J	0.462 J	0.47 J	0.49 J	0.436 J	0.422 J
cis-1,3-Dichloropropene	0.0212 R	0.0396 R	0.0251 R	0.0423 R	0.0351 R	0.0401 R
Dichloromethane	0.0612 J	0.166 J	1.07 J	0.229 J	0.43 J	0.136 J
Ethylbenzene	0.0428 J	0.0646 J	0.0371 J	0.14 J	0.0851 J	0.0849 J
Methyl tert-butyl ether (MTBE)	0.0202 U	0.0375 U	0.0238 U	0.0401 U	0.0333 U	0.038 U
o-Xylene	0.0553 R	0.103 R	0.0653 R	0.17 J	0.0915 R	0.114 J
p-Xylene/m-Xylene	0.116 J	0.178 J	0.0935 U	0.442 J	0.237 J	0.276 J
Styrene (Monomer)	0.0478 R	0.0891 R	0.0565 R	0.277 J	0.314 J	0.0941 J
Tetrachloroethene	0.0627 U	0.117 U	0.074 U	0.125 U	0.104 U	0.0409
Toluene	0.487 J	0.621 J	0.414 J	1.7 J	1.09 J	0.0184 UJ
trans-1,3-Dichloropropene	0.0443 U	0.0824 U	0.0522 U	0.0881 U	0.0732 U	0.0836 U
Trichloroethylene	0.0645 U	0.12 U	0.0761 U	0.128 U	0.281 J	0.122 U
Vinyl chloride	0.023 U	0.0429 U	0.0272 U	0.0458 U	0.0381 U	0.0435 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-1
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-15 Volatile Organic Compounds

Sample ID Sample Date Units Compound	SQ4-VC-082602-R-085 08/26/02 ppbv	SQ5-VC-082802-R-091 08/28/02 ppbv	SQ6-VC-082802-D-111 08/28/02 ppbv	SQ6-VC-082802-R-096 08/28/02 ppbv	SQ7-VC-082802-B-116 08/28/02 ppbv	SQ7-VC-082802-R-101 08/28/02 ppbv
1,1,1-Trichloroethane	0.0439 U	0.0453 U	0.0262 J	0.102 U	0.0233 U	0.0439 U
1,1,2,2-Tetrachloroethane	0.137 U	0.141 U	0.0755 U	0.318 U	0.0727 U	0.137 U
1,1,2-Trichloroethane	0.0594 U	0.0614 U	0.0328 U	0.138 U	0.0315 U	0.0594 U
1,1-Dichloroethane	0.042 U	0.0434 U	0.0232 U	0.0974 U	0.0223 U	0.042 U
1,1-Dichloroethylene	0.0274 U	0.0282 U	0.0151 U	0.0634 U	0.0145 U	0.0274 U
1,2-Dichloroethane	0.0556 U	0.0574 U	0.0437 J	0.129 U	0.0295 U	0.0556 U
1,2-Dichloropropane	0.06 U	0.062 U	0.0331 U	0.139 U	0.0319 U	0.06 U
2-Butanone (MEK)	0.533 J	0.422 J	1.06 J	0.724 J	0.0634 U	0.366 J
4-Methyl-2-pentanone (MIBK)	0.131 J	0.0778 U	0.27 J	0.175 U	0.04 U	0.0812 J
Acetone	3.69 J	5.31 J	4.73 J	6.08 J	0.0488 U	3.81 J
Benzene	0.311 J	0.497 J	0.211 J	0.315 J	0.027 U	0.2 J
Bromodichloromethane	0.0401 U	0.0414 U	0.0221 U	0.0931 U	0.0213 U	0.0401 U
Bromoform	0.0279 U	0.0288 U	0.0154 U	0.0648 U	0.0148 U	0.0279 U
Bromomethane	0.0909 U	0.0938 U	0.0501 U	0.211 U	0.0482 U	0.0909 U
Carbon Tetrachloride	0.222 U	0.229 U	0.122 U	0.515 U	0.118 U	0.222 U
Chlorobenzene	0.0674 U	0.0404 U	0.0579 J	0.0908 U	0.0208 R	0.0391 R
Chlorodibromomethane	0.0382 U	0.0394 U	0.021 U	0.0885 U	0.0202 U	0.0382 U
Chloroethane	0.0419 U	0.0433 U	0.0231 U	0.0972 U	0.0222 U	0.0419 U
Chloroform	0.0752 U	0.0776 U	0.0414 U	0.174 U	0.0399 U	0.0752 U
Chloromethane	0.427 J	0.424 J	0.437 J	0.432 J	0.0632 U	0.378 J
cis-1,3-Dichloropropene	0.0388 R	0.0401 R	0.0214 R	0.0901 R	0.0206 R	0.0388 R
Dichloromethane	0.169 J	0.141 J	0.178 J	0.671 J	0.0341 U	0.13 J
Ethylbenzene	0.0535 J	0.0501 J	0.0508 U	0.0338 UJ	0.00773 U	0.0386 U
Methyl tert-butyl ether (MTBE)	0.0369 U	0.038 U	0.0203 U	0.0855 U	0.0196 U	0.0369 U
o-Xylene	0.101 R	0.104 R	0.0558 R	0.235 R	0.0537 R	0.101 R
p-Xylene/m-Xylene	0.169 J	0.15 U	0.128 J	0.336 U	0.0769 U	0.145 U
Styrene (Monomer)	0.0822 R	0.0903 R	0.0482 R	0.203 R	0.0464 R	0.0875 R
Tetrachloroethene	0.115 U	0.118 U	0.0632 U	0.266 U	0.0608 U	0.115 U
Toluene	0.616 J	0.577 J	0.484 J	0.556 J	0.0147 U	0.356 J
trans-1,3-Dichloropropene	0.081 U	0.0836 U	0.0446 U	0.188 U	0.043 U	0.081 U
Trichloroethylene	0.118 U	0.122 U	0.065 U	0.273 U	0.0626 U	0.118 U
Vinyl chloride	0.0421 U	0.0435 U	0.0232 U	0.0977 U	0.0223 U	0.0421 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-1
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-15 Volatile Organic Compounds

Sample ID Sample Date Units Compound	SQ8-VC-082802-R-106 08/28/02 ppbv
1,1,1-Trichloroethane	0.0486 U
1,1,2,2-Tetrachloroethane	0.152 U
1,1,2-Trichloroethane	0.0658 U
1,1-Dichloroethane	0.0465 U
1,1-Dichloroethylene	0.0303 U
1,2-Dichloroethane	0.0615 U
1,2-Dichloropropane	0.0665 U
2-Butanone (MEK)	0.62 J
4-Methyl-2-pentanone (MIBK)	0.0835 U
Acetone	5.33 J
Benzene	0.161 J
Bromodichloromethane	0.0444 U
Bromoform	0.0309 U
Bromomethane	0.1 U
Carbon Tetrachloride	0.246 U
Chlorobenzene	0.0433 R
Chlorodibromomethane	0.0422 U
Chloroethane	0.0464 U
Chloroform	0.0832 U
Chloromethane	0.37 J
cis-1,3-Dichloropropene	0.043 R
Dichloromethane	0.145 J
Ethylbenzene	0.0285 U
Methyl tert-butyl ether (MTBE)	0.0408 U
o-Xylene	0.112 R
p-Xylene/m-Xylene	0.16 U
Styrene (Monomer)	0.0968 R
Tetrachloroethene	0.127 U
Toluene	0.329 J
trans-1,3-Dichloropropene	0.0896 U
Trichloroethylene	0.13 U
Vinyl chloride	0.0466 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-2
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8270C Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	SO1-PA-082502-R-043 8/25/02 ug	SO2-PA-082502-R-048 8/25/02 ug	SO3-PA-082502-R-053 8/25/02 ug	SO4-PA-082502-D-063 8/25/02 ug	SO4-PA-082502-R-058 8/25/02 ug	SP1-PA-082402-R-027 8/24/02 ug
Acenaphthene	6.2 J	8.9 J	12 J	13 J	5.8 J	8.2 J
Acenaphthylene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Anthracene	10 UJ	10 R	10 UJ	21 J	10 UJ	10 UJ
Benzo(a)anthracene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(a)pyrene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(g,h,i)perylene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Chrysene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Dibenzo(a,h)anthracene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Fluoranthene	10 UJ	8.1 J	10 UJ	10 UJ	10 UJ	10 UJ
Fluorene	10 UJ	7 J	8.3 J	9.2 J	10 UJ	5.7 J
Indeno(1,2,3-cd)pyrene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ
Naphthalene	12 J	12 J	65 J	58 J	35 J	16 J
Phenanthrene	15 J	32 J	19 J	22 J	13 J	18 J
Pyrene	10 UJ	10 R	10 UJ	10 UJ	10 UJ	10 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-2
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8270C Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	SP2-PA-082402-R-031 8/24/02 ug	SP3-PA-082402-R-035 8/24/02 ug	SP4-PA-082402-R-039 8/24/02 ug	SQ1-PA-082602-R-068 8/26/02 ug	SQ2-PA-082602-R-073 8/26/02 ug	SQ3-PA-082602-R-078 8/26/02 ug
Acenaphthene	18 J	6.5 J	8.6 J	10	10 R	10 R
Acenaphthylene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Anthracene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Benzo(a)anthracene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Benzo(a)pyrene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Benzo(b)fluoranthene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Benzo(g,h,i)perylene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Benzo(k)fluoranthene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Chrysene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Dibenzo(a,h)anthracene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Fluoranthene	7.5 J	7 J	10 UJ	10 U	10 R	10 R
Fluorene	12 J	6.3 J	6 J	5.7 J	10 R	10 R
Indeno(1,2,3-cd)pyrene	10 UJ	10 R	10 UJ	10 U	10 R	10 R
Naphthalene	22 J	11 J	14 J	25	10 R	10 R
Phenanthrene	36 J	34 J	15 J	10	10 R	10 R
Pyrene	10 UJ	10 R	10 UJ	10 U	10 R	10 R

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-2
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8270C Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	SQ4-PA-082602-R-083 8/26/02 ug	SQ5-PA-082802-R-089 8/28/02 ug	SQ6-PA-082802-D-109 8/28/02 ug	SQ6-PA-082802-R-094 8/28/02 ug	SQ7-PA-082802-B-114 8/28/02 ug	SQ7-PA-082802-R-099 8/28/02 ug
Acenaphthene	8.6 J	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Acenaphthylene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Anthracene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Benzo(a)anthracene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Benzo(a)pyrene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Benzo(g,h,i)perylene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Chrysene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Dibenzo(a,h)anthracene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Fluoranthene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Fluorene	5 J	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Indeno(1,2,3-cd)pyrene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ
Naphthalene	20 J	54	5.4 J	20 J	10 U	18 J
Phenanthrene	11 J	7.8 J	10 R	9.8 J	10 UJ	5.7 J
Pyrene	10 UJ	10 UJ	10 R	10 UJ	10 UJ	10 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-2
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8270C Semivolatile Organic Compounds

Sample ID Sample Date Units Compound	SQ8-PA-082802-B-119 8/28/02 ug	SQ8-PA-082802-R-104 8/28/02 ug
Acenaphthene	10 UJ	10 R
Acenaphthylene	10 UJ	10 R
Anthracene	10 UJ	10 R
Benzo(a)anthracene	10 UJ	10 R
Benzo(a)pyrene	10 UJ	10 R
Benzo(b)fluoranthene	10 UJ	10 R
Benzo(g,h,i)perylene	10 UJ	10 R
Benzo(k)fluoranthene	10 UJ	10 R
Chrysene	10 UJ	10 R
Dibenzo(a,h)anthracene	10 UJ	10 R
Fluoranthene	10 UJ	10 R
Fluorene	10 UJ	10 R
Indeno(1,2,3-cd)pyrene	10 UJ	10 R
Naphthalene	10 U	5.8 J
Phenanthrene	10 UJ	5.1 J
Pyrene	10 UJ	10 R

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-3
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8081 Pesticides

Sample ID Sample Date Units Compound	SO1-PS-082502-R-042 8/25/02 ug	SO2-PS-082502-R-047 8/25/02 ug	SO3-PS-082502-R-052 8/25/02 ug	SO4-PS-082502-D-062 8/25/02 ug	SO4-PS-082502-R-057 8/25/02 ug	SP1-PS-082402-R-026 8/24/02 ug
4,4'-DDD	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDE	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDT	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Aldrin	0.1 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
alpha-BHC	0.1 R	0.05 R	0.03 J	0.05 R	0.05 R	0.05 R
alpha-Chlordane	0.1 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
beta-BHC	0.1 U	0.05 UJ	0.028 J	0.05 UJ	0.05 UJ	0.05 U
delta-BHC	0.1 R	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R
Dieldrin	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endosulfan I	0.1 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
Endosulfan II	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endosulfan Sulfate	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endrin	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endrin Aldehyde	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Ketone	0.2 U	0.1 UJ	0.1 U	0.1 UJ	0.1 UJ	0.1 U
gamma-BHC (Lindane)	0.1 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
gamma-Chlordane	0.1 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
Heptachlor	0.1 U	0.05 UJ	0.034 J	0.05 UJ	0.027 J	0.034 J
Heptachlor Epoxide	0.1 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ	0.05 U
Methoxychlor	1 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Toxaphene	10 U	5 UJ	5 U	5 UJ	5 UJ	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-3
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8081 Pesticides

Sample ID Sample Date Units Compound	SP2-PS-082402-R-030 8/24/02 ug	SP3-PS-082402-R-034 8/24/02 ug	SP4-PS-082402-R-038 8/24/02 ug	SQ1-PS-082602-R-067 8/26/02 ug	SQ2-PS-082602-R-072 8/26/02 ug	SQ3-PS-082602-R-077 8/26/02 ug
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	0.05 R	0.05 R	0.044 J	0.05 R	0.05 R	0.05 R
alpha-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.034 J	0.05 U
delta-BHC	0.05 R	0.05 R	0.05 R	0.038 J	0.05 R	0.05 R
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 UJ	0.1 UJ	0.1 U	0.051 J	0.1 U
Endrin Ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 R	0.05 R	0.05 R
gamma-Chlordane	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.033 J	0.05 U	0.036 J	0.028 J	0.039 J	0.036 J
Heptachlor Epoxide	0.05 U	0.05 U	0.028 J	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	5 U	5 U	5 U	5 U	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-3
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8081 Pesticides

Sample ID Sample Date Units Compound	SQ4-PS-082602-R-082 8/26/02 ug	SQ5-PS-082802-R-088 8/28/02 ug	SQ6-PS-082802-D-108 8/28/02 ug	SQ6-PS-082802-R-093 8/28/02 ug	SQ7-PS-082802-B-113 8/28/02 ug	SQ7-PS-082802-R-098 8/28/02 ug
4,4'-DDD	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aldrin	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R
alpha-Chlordane	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
beta-BHC	0.05 UJ	0.11 R	0.042 J	0.033 J	0.05 R	0.05 R
delta-BHC	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R
Dieldrin	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan I	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 UJ	0.1 U	0.1 U	0.07 J	0.1 U	0.1 U
Endrin Ketone	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
gamma-BHC (Lindane)	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R	0.05 R
gamma-Chlordane	0.05 UJ	0.031 J	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.028 J
Heptachlor Epoxide	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	5 UJ	5 U	5 U	5 U	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-3
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 8081 Pesticides

Sample ID Sample Date Units Compound	SQ8-PS-082802-B-118 8/28/02 ug	SQ8-PS-082802-R-103 8/28/02 ug
4,4'-DDD	0.1 UJ	0.1 UJ
4,4'-DDE	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U
Aldrin	0.05 U	0.05 U
alpha-BHC	0.05 R	0.05 R
alpha-Chlordane	0.05 UJ	0.05 UJ
beta-BHC	0.05 R	0.05 R
delta-BHC	0.05 R	0.05 R
Dieldrin	0.1 U	0.1 U
Endosulfan I	0.05 U	0.05 U
Endosulfan II	0.1 U	0.1 U
Endosulfan Sulfate	0.1 UJ	0.1 UJ
Endrin	0.1 UJ	0.1 UJ
Endrin Aldehyde	0.1 U	0.1 U
Endrin Ketone	0.1 U	0.1 U
gamma-BHC (Lindane)	0.05 R	0.05 R
gamma-Chlordane	0.05 U	0.05 U
Heptachlor	0.05 U	0.033 J
Heptachlor Epoxide	0.05 U	0.05 U
Methoxychlor	0.5 U	0.5 U
Toxaphene	5 U	5 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-4
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	SO1-PS-082502-R-042 8/25/02 ug/puff	SO2-PS-082502-R-047 8/25/02 ug/puff	SO3-PS-082502-R-052 8/25/02 ug/puff	SO4-PS-082502-D-062 8/25/02 ug/puff	SO4-PS-082502-R-057 8/25/02 ug/puff	SP1-PS-082402-R-026 8/24/02 ug/puff
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.4	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.85	0.2 U	0.38	0.2 U	0.2 U
Trichlorobiphenyl	0.33	0.56	0.35	0.16	0.05 J	0.34

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-4
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	SP2-PS-082402-R-030 8/24/02 ug/puff	SP3-PS-082402-R-034 8/24/02 ug/puff	SP4-PS-082402-R-038 8/24/02 ug/puff	SQ1-PS-082602-R-067 8/26/02 ug/puff	SQ2-PS-082602-R-072 8/26/02 ug/puff	SQ3-PS-082602-R-077 8/26/02 ug/puff
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.35	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.06 J	0.72	0.05 J	0.28	0.18

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-4
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	SQ4-PS-082602-R-082 8/26/02 ug/puff	SQ5-PS-082802-R-088 8/28/02 ug/puff	SQ6-PS-082802-D-108 8/28/02 ug/puff	SQ6-PS-082802-R-093 8/28/02 ug/puff	SQ7-PS-082802-B-113 8/28/02 ug/puff	SQ7-PS-082802-R-098 8/28/02 ug/puff
Decachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.27	0.1 U	0.1 U	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachlorobiphenyl	0.6	1.4	0.25	0.11 J	0.2 U	0.2 U
Trichlorobiphenyl	0.24	1.4	0.18	0.24	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-4
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID Sample Date Units Compound	SQ8-PS-082802-B-118 8/28/02 ug/puff	SQ8-PS-082802-R-103 8/28/02 ug/puff
Decachlorobiphenyl	0.5 U	0.5 U
Dichlorobiphenyl	0.1 U	0.1 U
Heptachlorobiphenyl	0.3 U	0.3 U
Hexachlorobiphenyl	0.2 U	0.2 U
Monochlorobiphenyl	0.1 U	0.1 U
Nonachlorobiphenyl	0.5 U	0.5 U
Octachlorobiphenyl	0.3 U	0.3 U
Pentachlorobiphenyl	0.2 U	0.2 U
Tetrachlorobiphenyl	0.2 U	0.2 U
Trichlorobiphenyl	0.1 U	0.1 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-5
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-9 PCDD/PCDF

Sample ID Sample Date Units Compound	SO1-DI-082502-R-041 8/25/02 pg	SO2-DI-082502-R-046 8/25/02 pg	SO3-DI-082502-R-051 8/25/02 pg	SO4-DI-082502-D-061 8/25/02 pg	SO4-DI-082502-R-056 8/25/02 pg	SP1-DI-082402-R-025 8/24/02 pg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	100	100	110	98 J	99 J	48 U
1,2,3,4,6,7,8-HpCDF	41 U	40 U	38 U	37 U	34 U	18 U
1,2,3,4,7,8,9-HpCDF	7.5 U	7.9 U	6.4 U	12 U	13 U	7.7 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	4.1 UJ	6.4 UJ	5.9 U	5 U	4.2 U	2.2 UJ
1,2,3,4,7,8-HxCDF	13 U	12 U	12 U	12 U	11 U	5.3 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	9.2 U	9.2 U	9.5 U	9.4 U	8.8 U	4.4 U
1,2,3,6,7,8-HxCDF	9.2 U	4.7 U	5.5 U	5.3 U	5.1 U	2.9 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	13 U	10 U	13 U	11 U	9.7 U	8.1 U
1,2,3,7,8,9-HxCDF	2.8 U	3.3 U	6.9 U	5.5 U	6.4 U	1.8 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	6.1 U	6.2 U	10 U	6.2 U	6.6 U	6.2 U
1,2,3,7,8-Pentachlorodibenzofuran	4.1 U	2.8 U	4.2 U	4.6 U	3.9 U	3.6 U
2,3,4,6,7,8-HxCDF	8.6 U	7.9 U	6.3 U	5.3 U	5.9 U	1.9 U
2,3,4,7,8-PeCDF	8.9 U	3.3 U	4 U	4.5 U	4.2 U	2.9 U
2,3,7,8-TCDD	1.5 UJ	1.7 UJ	3.8 UJ	2.7 UJ	2.9 UJ	1.8 UJ
2,3,7,8-Tetrachlorodibenzofuran	22	9.8 U	7.7 U	7 U	9.9 U	8.7 U
OCDD	480	390	400	420	400	210
OCDF	32 U	22 U	27 U	30 U	26 U	14 U
Total HpCDD	230	240	240	230	230	82
Total HpCDF	41 U	40 U	38 U	37 U	34 U	18 U
Total HxCDD	37 U	34 U	37 U	37 U	36 U	17 U
Total HxCDF	34 U	31 U	23 U	20 U	28 U	15 U
Total PeCDD	11 U	9 U	10 U	9.9 U	14 U	6.4 U
Total PeCDF	27 U	19 U	17 U	18 U	30 U	13 U
Total TCDD	5.6 UJ	4.6 UJ	5.1 UJ	5.4 UJ	10 J	3 UJ
Total TCDF	22	37	13	15	44	8.7 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-5
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-9 PCDD/PCDF

Sample ID Sample Date Units Compound	SP2-DI-082402-R-029 8/24/02 pg	SP3-DI-082402-R-033 8/24/02 pg	SP4-DI-082402-R-037 8/24/02 pg	SQ1-DI-082602-R-066 8/26/02 pg	SQ2-DI-082602-R-071 8/26/02 pg	SQ3-DI-082602-R-076 8/26/02 pg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	55 J	66 J	48 U	160	140	190
1,2,3,4,6,7,8-HpCDF	20 U	11 U	9.4 U	41 U	38 U	33 U
1,2,3,4,7,8,9-HpCDF	4.6 U	3.6 U	3.5 U	6.3 U	5.7 U	4.4 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	2.6 UJ	2.5 UJ	3.7 UJ	6.6 U	4.6 U	5.9 U
1,2,3,4,7,8-HxCDF	7.2 U	3.5 U	3.8 U	11 U	12 U	9.8 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	5.1 U	5.4 U	4.6 U	11 U	10 U	17 U
1,2,3,6,7,8-HxCDF	2.5 U	1.8 U	1.7 U	6.5 U	5.6 U	4.3 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	7.3 U	6.3 U	5.9 U	13 U	11 U	18 U
1,2,3,7,8,9-HxCDF	2.1 U	2.2 U	1.6 U	6 U	5.6 U	5.4 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	6.5 U	4.4 U	4.4 U	7.9 U	6.8 U	11 U
1,2,3,7,8-Pentachlorodibenzofuran	5 U	2.5 U	2 U	8.2 U	4.7 U	3.7 U
2,3,4,6,7,8-HxCDF	3.5 U	2 U	2 U	8 U	6 U	4.9 U
2,3,4,7,8-PeCDF	8.6 U	2.1 U	1.9 U	5.5 U	4.5 U	3.6 U
2,3,7,8-TCDD	1.5 UJ	1.8 UJ	1.2 UJ	3.1 UJ	3 UJ	2.4 UJ
2,3,7,8-Tetrachlorodibenzofuran	15 J	7.4 U	4.9 U	11 J	5.9 U	8.6 U
OCDD	220	340	210	1300	950	1300
OCDF	15 U	16 U	7.9 U	68 U	58 U	65 U
Total HpCDD	140	160	72	370	310	410
Total HpCDF	20 U	11 U	9.4 U	41 U	38 U	40 U
Total HxCDD	23 U	23 U	17 U	44	43 U	60
Total HxCDF	26 U	11 U	7.7 U	31 U	35 U	19 U
Total PeCDD	9.2 U	6.4 U	4.4 U	14 U	8.5 U	12 U
Total PeCDF	35 U	5.2 U	8.2 U	37 U	31 U	20
Total TCDD	6.1 UJ	2.9 UJ	2.2 UJ	8.2 UJ	5.2 UJ	5.2 UJ
Total TCDF	71	7.4 U	4.9 U	67	67	57

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-5
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-9 PCDD/PCDF

Sample ID Sample Date Units Compound	SQ4-DI-082602-R-081 8/26/02 pg	SQ5-DI-082802-R-087 8/28/02 pg	SQ6-DI-082802-D-107 8/28/02 pg	SQ6-DI-082802-R-092 8/28/02 pg	SQ7-DI-082802-B-112 8/28/02 pg	SQ7-DI-082802-R-097 8/28/02 pg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	210	95 J	140	170	1.4 U	240
1,2,3,4,6,7,8-HpCDF	45 U	29 U	32 U	38 U	5.6 U	44 U
1,2,3,4,7,8,9-HpCDF	5.1 U	21 U	7.4 U	15 U	7 U	15 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	5.7 U	4.5 U	4 U	4.1 U	2.7 U	4.7 U
1,2,3,4,7,8-HxCDF	16 U	7.6 U	8.2 U	9.2 U	1.8 U	7.6 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	15 U	6.8 U	7 U	9.5 U	2.4 U	8.8 U
1,2,3,6,7,8-HxCDF	6.2 U	4.2 U	3.8 U	3.9 U	1.5 U	5 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	16 U	6.7 U	9.7 U	10 U	2.3 U	12 U
1,2,3,7,8,9-HxCDF	5.8 U	5.3 U	3.9 U	4.8 U	1.9 UJ	4.9 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	11 U	8.1 U	7 U	7.6 U	12 U	7.1 U
1,2,3,7,8-Pentachlorodibenzofuran	8.1 U	3.8 U	2.9 U	3.1 U	2.3 U	3.4 U
2,3,4,6,7,8-HxCDF	6.5 U	4.9 U	3.6 U	4.5 U	1.8 U	4.5 U
2,3,4,7,8-PeCDF	10 U	5.9 U	3 U	3.3 U	2.2 U	3.2 U
2,3,7,8-TCDD	3.1 UJ	3.1 UJ	2.2 UJ	2.6 UJ	2.5 UJ	2.2 UJ
2,3,7,8-Tetrachlorodibenzofuran	12 J	9.6 U	8 U	8.4 U	7.3 U	7.6 U
OCDD	1900	670	970	1100	4.2 U	2600
OCDF	100 J	50 U	52 U	62 U	3.5 U	140 J
Total HpCDD	450	210	290	330	1.4 U	450
Total HpCDF	63	29 U	32 U	38 U	7 U	73
Total HxCDD	48 U	26 U	30 U	33 U	2.7 U	32 U
Total HxCDF	35 U	22 U	16 U	20 U	1.9 U	25 U
Total PeCDD	25 U	10 U	8.1 U	12 U	12 U	7.8 U
Total PeCDF	59	22 U	17 U	19 U	5.7 U	26 U
Total TCDD	38 J	5.5 UJ	8.2 UJ	8.9 UJ	2.5 UJ	9.3 UJ
Total TCDF	540	32	24	51	7.3 U	11

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-5
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method TO-9 PCDD/PCDF

Sample ID Sample Date Units Compound	SQ8-DI-082802-B-117 8/28/02 pg	SQ8-DI-082802-R-102 8/28/02 pg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	1.5 U	81 J
1,2,3,4,6,7,8-HpCDF	14 U	22 U
1,2,3,4,7,8,9-HpCDF	17 U	4.7 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	2.6 U	3 U
1,2,3,4,7,8-HxCDF	2.1 U	7.6 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	2.3 U	7.8 U
1,2,3,6,7,8-HxCDF	1.8 U	4.2 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	2.2 U	8.3 U
1,2,3,7,8,9-HxCDF	2.3 UJ	3.4 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	6.7 U	6 U
1,2,3,7,8-Pentachlorodibenzofuran	2.4 U	3.8 U
2,3,4,6,7,8-HxCDF	2.1 U	3.2 U
2,3,4,7,8-PeCDF	2.3 U	2.7 U
2,3,7,8-TCDD	2.8 UJ	1.8 UJ
2,3,7,8-Tetrachlorodibenzofuran	8 U	8.5 U
OCDD	4.2 U	620
OCDF	3.2 U	36 U
Total HpCDD	1.5 U	180
Total HpCDF	17 U	22 U
Total HxCDD	3 U	24 U
Total HxCDF	2.3 U	12 U
Total PeCDD	6.7 U	7 U
Total PeCDF	5.9 U	15 U
Total TCDD	2.8 UJ	2.9 UJ
Total TCDF	8 U	25

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-6
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 6010 Inorganics

Sample ID Sample Date Units Compound	SO1-PM-082502-R-044 8/25/02 ug	SO2-PM-082502-R-049 8/25/02 ug	SO3-PM-082502-R-054 8/25/02 ug	SO4-PM-082502-D-064 8/25/02 ug	SO4-PM-082502-R-059 8/25/02 ug	SP1-PM-082402-R-028 8/24/02 ug	SP2-PM-082402-R-032 8/24/02 ug
Aluminum	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Antimony	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Beryllium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Copper	2 U	1.2	2 U	2 U	2 U	2 U	2 U
Iron	2.9	64	2.5	2.9	3.4	5 U	5 U
Lead	0.5 U	0.28	0.5 U	0.5 U	0.26	0.5 U	0.5 U
Magnesium	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Manganese	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Potassium	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	28	50 U	50 U	50 U	50 U	26	50 U
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 6-6
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 6010 Inorganics

Sample ID Sample Date Units Compound	SP3-PM-082402-R-036 8/24/02 ug	SP4-PM-082402-R-040 8/24/02 ug	SQ1-PM-082602-R-069 8/26/02 ug	SQ2-PM-082602-R-074 8/26/02 ug	SQ3-PM-082602-R-079 8/26/02 ug	SQ4-PM-082602-D-086 8/26/02 ug	SQ4-PM-082602-R-084 8/26/02 ug
Aluminum	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Antimony	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	1 U	1 U	0.87	0.84	0.89	0.74	0.77
Beryllium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Copper	2 U	2 U	2 U	1.3	2 U	1.5	1.5
Iron	5 U	5 U	5	3.7	4.5	6.2	7.2
Lead	0.5 U	0.5 U	0.5 U	0.36	0.37	0.5 U	0.35
Magnesium	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Manganese	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Nickel	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Potassium	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Zinc	2 U	2 U	2 U	2 U	2 U	2 U	2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Section 7

All Surface Water and Stormwater Tables and Figures will be submitted as an addendum to this report.

Section 8

Table 8-1
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8260 Volatile Organic Compounds

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S	R2AD1S	R2AM1S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	11/14/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound												
1,1,1-Trichloroethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,1,2,2-Tetrachloroethane	4.5 UJ	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,1,2-Trichloroethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,1-Dichloroethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,1-Dichloroethylene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,2-Dichloroethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
1,2-Dichloroethene (total)	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	6 U	5.5 U
1,2-Dichloropropane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
2-Butanone (MEK)	20 J	19 U	3.4 J	17 U	17 U	14 U	12 U	13 U	15 U	12 U	5 J	14 U
4-Methyl-2-pentanone (MIBK)	22 U	19 U	14 U	17 U	17 U	14 U	12 U	13 U	15 U	12 U	15 U	14 U
Acetone	2900 J	38 U	26 J	98 J	12 J	28 UJ	3.4 J	8.1 J	87 J	9.3 J	40 J	6.4 J
Benzene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Bromodichloromethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Bromoform	4.5 UJ	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Bromomethane	9 UJ	7.6 UJ	5.8 UJ	6.9 UJ	6.8 UJ	5.6 UJ	4.9 UJ	5 UJ	6.1 UJ	4.8 UJ	6 U	5.5 U
Carbon Disulfide	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Carbon Tetrachloride	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Chlorobenzene	4.5 UJ	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Chlorodibromomethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Chloroethane	9 U	7.6 U	5.8 U	6.9 U	6.8 U	5.6 U	4.9 U	5 U	6.1 U	4.8 U	6 U	5.5 U
Chloroform	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Chloromethane	9 UJ	7.6 UJ	5.8 UJ	6.9 UJ	6.8 UJ	5.6 UJ	4.9 UJ	5 UJ	6.1 UJ	4.8 UJ	6 UJ	5.5 UJ
cis-1,3-Dichloropropene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Dichloromethane	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Ethylbenzene	4.5 UJ	2.3 J	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Methyl N-Butyl Ketone	22 U	19 U	14 U	17 U	17 U	14 U	12 U	13 U	15 U	12 U	15 U	14 U
Styrene (Monomer)	4.5 UJ	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Tetrachloroethene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Toluene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
trans-1,3-Dichloropropene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Trichloroethylene	4.5 U	3.8 U	2.9 U	3.4 U	3.4 U	2.8 U	2.4 U	2.5 U	3.1 U	2.4 U	3 U	2.8 U
Vinyl chloride	9 U	7.6 U	5.8 U	6.9 U	6.8 U	5.6 U	4.9 U	5 U	6.1 U	4.8 U	6 U	5.5 U
Xylenes, Total	6.8 J	13	9.3 U	6.9 U	11 U	5.7 U	6.5 U	5.8 U	3.2 J	4.8 U	3 J	3.4 J

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-1
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8260 Volatile Organic Compounds

Sample ID	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S
Sample Date	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound												
1,1,1-Trichloroethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
1,1,2,2-Tetrachloroethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
1,1,2-Trichloroethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
1,1-Dichloroethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	8	3.3 U	2.7 U	5.1 U	2.2 U
1,1-Dichloroethylene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
1,2-Dichloroethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
1,2-Dichloroethene (total)	7 U	5.1 U	6.2 U	5.3 U	2.3 U	6 U	4.8 U	1.6 J	6.7 U	5.3 U	10 U	4.5 U
1,2-Dichloropropane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
2-Butanone (MEK)	18 U	13 U	16 U	13 U	11 U	15 U	12 U	15 U	17 U	13 U	25 U	11 U
4-Methyl-2-pentanone (MIBK)	18 U	13 U	16 U	13 U	11 U	15 U	12 U	15 U	17 U	13 U	25 U	11 U
Acetone	3.5 J	4.4 J	3.9 J	3.3 J	6.3 J	30 U	7.8 J	12 J	33 U	3.6 J	7.9 J	5.1 J
Benzene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	49	2.7 U	34	4.8
Bromodichloromethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Bromoform	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Bromomethane	7 U	5.1 U	6.2 U	5.3 U	4.6 UJ	6 U	4.8 U	6 U	6.7 U	5.3 U	10 U	4.5 U
Carbon Disulfide	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Carbon Tetrachloride	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Chlorobenzene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	1.9 J	26	5000	2.7 U	11000	1300
Chlorodibromomethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Chloroethane	7 U	5.1 U	6.2 U	5.3 U	4.6 U	6 U	4.8 U	6 U	6.7 U	5.3 U	10 U	4.5 U
Chloroform	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Chloromethane	7 UJ	5.1 UJ	6.2 UJ	5.3 UJ	4.6 UJ	6 UJ	4.8 UJ	6 UJ	6.7 UJ	5.3 UJ	10 UJ	4.5 UJ
cis-1,3-Dichloropropene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Dichloromethane	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Ethylbenzene	1.5 J	1.2 J	3.1 U	2.7 U	2.3 U	3 U	1.1 J	1.6 J	2.3 J	1.6 J	5.1 U	1.3 J
Methyl N-Butyl Ketone	18 U	13 U	16 U	13 U	11 U	15 U	12 U	15 U	17 U	13 U	25 U	11 U
Styrene (Monomer)	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Tetrachloroethene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Toluene	1.5 J	1.2 J	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	11	2.7 U	5.1 U	1.5 J
trans-1,3-Dichloropropene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Trichloroethylene	3.5 U	2.5 U	3.1 U	2.7 U	2.3 U	3 U	2.4 U	3 U	3.3 U	2.7 U	5.1 U	2.2 U
Vinyl chloride	7 U	5.1 U	6.2 U	5.3 U	4.6 U	6 U	4.8 U	6 U	6.7 U	5.3 U	10 U	4.5 U
Xylenes, Total	8.5	6.8	3.4 J	2.5 J	5.2 U	3.1 J	6.4	9.4	7.6	9.8	19	5.9

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-1
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8260 Volatile Organic Compounds

Sample ID	R3CM1S	R4AD1S	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S
Sample Date	11/13/2002	11/10/2002	11/10/2002	11/11/2002	11/10/2002	11/11/2002	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound												
1,1,1-Trichloroethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,1,2,2-Tetrachloroethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,1,2-Trichloroethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,1-Dichloroethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,1-Dichloroethylene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,2-Dichloroethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
1,2-Dichloroethene (total)	5.7 U	6 U	5.3 U	4.1 U	5 U	3.5 U	5.1 U	6.4 U	5.9 U	5.8 U	5 U	2.6 U
1,2-Dichloropropane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
2-Butanone (MEK)	14 U	15 U	13 U	10 U	12 U	8.8 U	13 U	16 U	15 U	14 U	12 U	13 U
4-Methyl-2-pentanone (MIBK)	14 U	15 U	13 U	10 U	12 U	8.8 U	13 U	16 U	15 U	14 U	12 U	13 U
Acetone	29 U	3 J	27 U	3.1 J	25 U	18 U	3.2 J	3.3 J	4.4 J	4.1 J	3.1 J	290 J
Benzene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	0.28 J	2.6 U
Bromodichloromethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Bromoform	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Bromomethane	5.7 U	6 U	5.3 U	4.1 U	5 U	3.5 U	5.1 U	6.4 U	5.9 U	5.8 U	5 U	5.2 UJ
Carbon Disulfide	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Carbon Tetrachloride	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Chlorobenzene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	0.56 J	2.6 U
Chlorodibromomethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Chloroethane	5.7 U	6 U	5.3 U	4.1 U	5 U	3.5 U	5.1 U	6.4 U	5.9 U	5.8 U	5 U	5.2 U
Chloroform	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Chloromethane	5.7 UJ	6 UJ	5.3 UJ	4.1 UJ	5 UJ	3.5 UJ	5.1 UJ	6.4 UJ	5.9 UJ	5.8 U	5 U	5.2 UJ
cis-1,3-Dichloropropene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Dichloromethane	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Ethylbenzene	1.8 J	1.6 J	1.7 J	1.4 J	1 J	0.93 J	1.5 J	1.7 J	2.2 J	2.9 U	2.5 U	2.6 U
Methyl N-Butyl Ketone	14 U	15 U	13 U	10 U	12 U	8.8 U	13 U	16 U	15 U	14 U	12 U	13 U
Styrene (Monomer)	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Tetrachloroethene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Toluene	1.8 J	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
trans-1,3-Dichloropropene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	2.5 U	2.6 U
Trichloroethylene	2.9 U	3 U	2.7 U	2.1 U	2.5 U	1.8 U	2.6 U	3.2 U	2.9 U	2.9 U	0.19 J	2.6 U
Vinyl chloride	5.7 U	6 U	5.3 U	4.1 U	5 U	3.5 U	5.1 U	6.4 U	5.9 U	5.8 U	5 U	5.2 U
Xylenes, Total	10	9.8	9.7	7.8	5.9	5.4	8.9	9.6	13	5.8 U	5 U	3.9 J

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-1
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8260 Volatile Organic Compounds

Sample ID	R5AU1S	R5BM1S	R5BN1S	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/08/2002	11/09/2002	11/17/2002	11/09/2002	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound												
1,1,1-Trichloroethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,1,2,2-Tetrachloroethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,1,2-Trichloroethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,1-Dichloroethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,1-Dichloroethylene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,2-Dichloroethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,2-Dichloroethene (total)	14 U	5.4 U	4.3 U	4.8 U	5.1 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
1,2-Dichloropropane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
2-Butanone (MEK)	35 U	14 U	21 U	12 U	13 U	3 J	5.5 J	51 U	7.5 J	22 U	3.1 J	15 U
4-Methyl-2-pentanone (MIBK)	35 U	14 U	21 U	12 U	13 U	22 U	37 U	51 U	34 U	22 U	17 U	15 U
Acetone	9.1 J	17 J	17 J	7.8 J	4.4 J	22 J	150 J	24 J	130 J	37 J	20 J	5.5 J
Benzene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Bromodichloromethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Bromoform	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Bromomethane	14 U	5.4 U	8.6 UJ	4.8 U	5.1 U	8.8 U	15 U	20 U	14 U	8.9 U	6.7 U	6 U
Carbon Disulfide	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Carbon Tetrachloride	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Chlorobenzene	0.29 J	2.7 U	4.3 U	0.2 J	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Chlorodibromomethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Chloroethane	14 U	5.4 U	8.6 U	4.8 U	5.1 U	8.8 U	15 U	20 U	14 U	8.9 U	6.7 U	6 U
Chloroform	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Chloromethane	14 U	5.4 U	8.6 UJ	4.8 U	5.1 U	8.8 UJ	15 UJ	20 UJ	14 UJ	8.9 UJ	6.7 UJ	6 UJ
cis-1,3-Dichloropropene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Dichloromethane	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Ethylbenzene	6.9 U	0.71 J	2.3 J	0.83 U	0.72 J	2.2 J	16	14	4.8 J	3.8 J	2 J	3.8
Methyl N-Butyl Ketone	35 U	14 U	21 U	12 U	13 U	22 U	37 U	51 U	34 U	22 U	17 U	15 U
Styrene (Monomer)	6.9 U	0.17 J	4.3 U	0.19 J	2.5 U	4.4 UJ	37 J	10 UJ	8.4 J	4.4 UJ	3.3 UJ	3 UJ
Tetrachloroethene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Toluene	2.4 U	2.7 U	4.3 U	0.72 J	2.5 U	2.7 J	12	14	4.6 J	3.7 J	2.4 J	4.4
trans-1,3-Dichloropropene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Trichloroethylene	6.9 U	2.7 U	4.3 U	2.4 U	2.5 U	4.4 U	7.4 U	10 U	6.8 U	4.4 U	3.3 U	3 U
Vinyl chloride	14 U	5.4 U	8.6 U	4.8 U	5.1 U	8.8 U	15 U	20 U	14 U	8.9 U	6.7 U	6 U
Xylenes, Total	14 U	4 J	14	5	4.2 J	12	73	81	24	21	11	22

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
1,2,4-Trichlorobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
1,2-Dichlorobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
1,3-Dichlorobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
1,4-Dichlorobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,4,5-Trichlorophenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,4,6-Trichlorophenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,4-Dichlorophenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,4-Dimethylphenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,4-Dinitrophenol	3600 UJ	3600 UJ	2600 UJ	2300 UJ	1800 UJ	2300 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ
2,4-Dinitrotoluene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2,6-Dinitrotoluene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2-Chloronaphthalene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2-Chlorophenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2-Methylnaphthalene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2-Methylphenol (o-Cresol)	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
2-Nitroaniline	3600 UJ	3600 UJ	2600 UJ	2300 UJ	1800 UJ	2300 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ
2-Nitrophenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
3,3'-Dichlorobenzidine	1400 U	1400 U	1000 U	880 U	700 U	880 U	690 U	690 U	690 U	700 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
3-Nitroaniline	3600 UJ	3600 UJ	2600 UJ	2300 UJ	1800 UJ	2300 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ
4,6-Dinitro-2-methylphenol	3600 U	3600 U	2600 U	2300 U	1800 U	2300 U	1800 U	1800 U	1800 U	1800 U
4-Bromophenyl Phenyl Ether	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
4-Chloro-3-methylphenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
4-Chlorophenyl Phenyl Ether	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
4-Nitrophenol	3600 U	3600 U	2600 U	2300 U	1800 U	2300 U	1800 U	1800 U	1800 U	1800 U
Acenaphthene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Acenaphthylene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Anthracene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Benzo(a)anthracene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Benzo(a)pyrene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Benzo(b)fluoranthene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Benzo(g,h,i)perylene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Benzo(k)fluoranthene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Benzyl Butyl Phthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
bis(2-Chloroethoxy)methane	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
bis(2-Chloroethyl)ether	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
bis(2-Ethylhexyl)phthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Carbazole	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Chrysene	700 U	700 U	31 J	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Di-n-butylphthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Di-n-octylphthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Dibenzo(a,h)anthracene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Dibenzofuran	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Diethyl Phthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Dimethyl Phthalate	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Dinoseb	700 UJ	700 UJ	500 UJ	440 UJ	350 UJ	440 UJ	340 UJ	340 UJ	340 UJ	350 UJ
Fluoranthene	700 U	700 U	41 J	36 J	350 U	440 U	340 U	340 U	340 U	350 U
Fluorene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Hexachlorobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Hexachlorobutadiene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Hexachlorocyclopentadiene	700 UJ	700 UJ	500 UJ	440 UJ	350 UJ	440 UJ	340 UJ	340 UJ	340 UJ	350 UJ
Hexachloroethane	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Indeno(1,2,3-cd)pyrene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Isophorone	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
N-Nitroso-di-n-propylamine	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
N-Nitrosodiphenylamine	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Naphthalene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Nitrobenzene	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
P-Chloroaniline	1400 U	1400 U	1000 U	880 U	700 U	880 U	690 U	690 U	690 U	700 U
P-Nitroaniline	3600 U	3600 U	2600 U	2300 U	1800 U	2300 U	1800 U	1800 U	1800 U	1800 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	700 U	700 U	36 J	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Phenol	700 U	700 U	500 U	440 U	350 U	440 U	340 U	340 U	340 U	350 U
Pyrene	700 U	700 U	67 J	440 U	350 U	440 U	340 U	340 U	340 U	350 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R2AD1S	R2AM1S	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S
Sample Date	11/13/2002	11/14/2002	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
1,2,4-Trichlorobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
1,2-Dichlorobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	46 J
1,3-Dichlorobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
1,4-Dichlorobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2,4,5-Trichlorophenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2,4,6-Trichlorophenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2,4-Dichlorophenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2,4-Dimethylphenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2,4-Dinitrophenol	2500 U	2400 U	2400 U	2200 U	2300 U	2200 R	2100 UJ	1800 U	2200 U	2800 U
2,4-Dinitrotoluene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2,6-Dinitrotoluene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2-Chloronaphthalene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2-Chlorophenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2-Methylnaphthalene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
2-Methylphenol (o-Cresol)	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
2-Nitroaniline	2500 R	2400 U	2400 U	2200 U	2300 UJ	2200 R	2100 UJ	1800 U	2200 U	2800 U
2-Nitrophenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
3,3'-Dichlorobenzidine	960 R	930 U	940 U	850 U	890 UJ	850 R	820 U	690 U	850 U	1100 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
3-Nitroaniline	2500 R	2400 U	2400 U	2200 U	2300 UJ	2200 R	2100 UJ	1800 U	2200 U	2800 U
4,6-Dinitro-2-methylphenol	2500 U	2400 U	2400 U	2200 U	2300 U	2200 R	2100 U	1800 U	2200 U	2800 U
4-Bromophenyl Phenyl Ether	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
4-Chloro-3-methylphenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
4-Chlorophenyl Phenyl Ether	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
4-Nitrophenol	2500 U	2400 U	2400 U	2200 U	2300 U	2200 R	2100 U	1800 U	2200 U	2800 U
Acenaphthene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Acenaphthylene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Anthracene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Benzo(a)anthracene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Benzo(a)pyrene	480 R	34 J	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Benzo(b)fluoranthene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Benzo(g,h,i)perylene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	26 J	41 J

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R2AD1S	R2AM1S	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S
Sample Date	11/13/2002	11/14/2002	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Benzo(k)fluoranthene	480 R	460 U	35 J	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Benzyl Butyl Phthalate	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
bis(2-Chloroethoxy)methane	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
bis(2-Chloroethyl)ether	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
bis(2-Ethylhexyl)phthalate	480 R	58 J	83 J	420 U	440 UJ	420 R	410 U	340 U	420 U	46 J
Carbazole	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Chrysene	480 R	25 J	35 J	420 U	440 UJ	420 R	410 U	340 U	420 U	34 J
Di-n-butylphthalate	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Di-n-octylphthalate	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Dibenzo(a,h)anthracene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Dibenzofuran	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Diethyl Phthalate	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Dimethyl Phthalate	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Dinoseb	480 R	460 UJ	470 UJ	420 UJ	440 UJ	420 R	410 UJ	340 UJ	420 U	540 U
Fluoranthene	480 R	36 J	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	62 J
Fluorene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Hexachlorobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Hexachlorobutadiene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Hexachlorocyclopentadiene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 UJ	340 U	420 U	540 U
Hexachloroethane	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Indeno(1,2,3-cd)pyrene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Isophorone	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
N-Nitroso-di-n-propylamine	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
N-Nitrosodiphenylamine	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Naphthalene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
Nitrobenzene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U
P-Chloroaniline	960 R	930 U	940 U	850 U	890 UJ	850 R	820 U	690 U	850 U	1100 U
P-Nitroaniline	2500 U	2400 U	2400 U	2200 U	2300 UJ	2200 R	2100 U	1800 U	2200 U	2800 U
Pentachlorophenol	2500 R	NR	2400 R	NR	2300 R	2200 R	NR	NR	NR	NR
Phenanthrene	480 R	25 J	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	43 J
Phenol	480 U	460 U	470 U	420 U	440 U	420 R	410 U	340 U	420 U	540 U
Pyrene	480 R	460 U	470 U	420 U	440 UJ	420 R	410 U	340 U	420 U	540 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S	R4AD1S	R4AM1S	R4AU1S	R4BD1S	R4BM1S
Sample Date	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002	11/10/2002	11/10/2002	11/11/2002	11/10/2002	11/11/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
1,2,4-Trichlorobenzene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
1,2-Dichlorobenzene	44 J	380 U	330 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
1,3-Dichlorobenzene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
1,4-Dichlorobenzene	540 U	380 U	740 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,4,5-Trichlorophenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,4,6-Trichlorophenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,4-Dichlorophenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,4-Dimethylphenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,4-Dinitrophenol	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
2,4-Dinitrotoluene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2,6-Dinitrotoluene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2-Chloronaphthalene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2-Chlorophenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2-Methylnaphthalene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2-Methylphenol (o-Cresol)	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
2-Nitroaniline	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
2-Nitrophenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
3,3'-Dichlorobenzidine	1100 U	760 U	1500 U	820 U	690 U	820 U	820 U	780 U	800 U	780 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
3-Nitroaniline	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
4,6-Dinitro-2-methylphenol	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
4-Bromophenyl Phenyl Ether	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
4-Chloro-3-methylphenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
4-Chlorophenyl Phenyl Ether	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
4-Nitrophenol	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
Acenaphthene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Acenaphthylene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Anthracene	540 U	380 U	100 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Benzo(a)anthracene	540 U	380 U	91 J	31 J	340 U	410 U	410 U	390 U	400 U	390 U
Benzo(a)pyrene	64 J	380 U	72 J	61 J	340 U	410 U	410 U	390 U	37 J	390 U
Benzo(b)fluoranthene	540 U	380 U	75 J	45 J	340 U	410 U	410 U	390 U	400 U	390 U
Benzo(g,h,i)perylene	540 U	380 U	79 J	410 U	340 U	410 U	410 U	390 U	29 J	390 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S	R4AD1S	R4AM1S	R4AU1S	R4BD1S	R4BM1S
Sample Date	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002	11/10/2002	11/10/2002	11/11/2002	11/10/2002	11/11/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Benzo(k)fluoranthene	60 J	380 U	83 J	72 J	340 U	410 U	410 U	390 U	400 U	390 U
Benzyl Butyl Phthalate	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
bis(2-Chloroethoxy)methane	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
bis(2-Chloroethyl)ether	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
bis(2-Ethylhexyl)phthalate	55 J	380 U	88 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Carbazole	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Chrysene	28 J	380 U	92 J	35 J	340 U	410 U	410 U	390 U	400 U	390 U
Di-n-butylphthalate	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Di-n-octylphthalate	540 U	380 U	770 U	41 J	340 U	410 U	410 U	390 U	400 U	390 U
Dibenzo(a,h)anthracene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Dibenzofuran	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Diethyl Phthalate	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Dimethyl Phthalate	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Dinoseb	540 UJ	380 U	770 U	410 UJ	340 UJ	410 U	410 U	390 U	400 U	390 U
Fluoranthene	47 J	380 U	160 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Fluorene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Hexachlorobenzene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Hexachlorobutadiene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Hexachlorocyclopentadiene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Hexachloroethane	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Indeno(1,2,3-cd)pyrene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Isophorone	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
N-Nitroso-di-n-propylamine	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
N-Nitrosodiphenylamine	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Naphthalene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Nitrobenzene	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
P-Chloroaniline	3000	760 U	1500 U	1400	690 U	820 U	820 U	780 U	800 U	780 U
P-Nitroaniline	2800 U	2000 U	4000 U	2100 U	1800 U	2100 U	2100 U	2000 U	2100 U	2000 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	540 U	380 U	72 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Phenol	540 U	380 U	770 U	410 U	340 U	410 U	410 U	390 U	400 U	390 U
Pyrene	540 U	380 U	150 J	410 U	340 U	410 U	410 U	390 U	400 U	390 U

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Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S	R5BU1S
Sample Date	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002	11/09/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
1,2,4-Trichlorobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
1,2-Dichlorobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
1,3-Dichlorobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
1,4-Dichlorobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,4,5-Trichlorophenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,4,6-Trichlorophenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,4-Dichlorophenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,4-Dimethylphenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,4-Dinitrophenol	2100 U	2000 U	2100 U	2200 U	2200 U	2100 UJ	2400 U	2200 U	2500 UJ	2500 U
2,4-Dinitrotoluene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2,6-Dinitrotoluene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2-Chloronaphthalene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2-Chlorophenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2-Methylnaphthalene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2-Methylphenol (o-Cresol)	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
2-Nitroaniline	2100 U	2000 U	2100 U	2200 U	2200 U	2100 UJ	2400 U	2200 U	2500 UJ	2500 U
2-Nitrophenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
3,3'-Dichlorobenzidine	820 U	770 U	800 U	860 U	870 U	800 U	920 U	860 U	980 U	970 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
3-Nitroaniline	2100 U	2000 U	2100 U	2200 U	2200 U	2100 UJ	2400 U	2200 U	2500 UJ	2500 U
4,6-Dinitro-2-methylphenol	2100 U	2000 U	2100 U	2200 U	2200 U	2100 U	2400 U	2200 U	2500 U	2500 U
4-Bromophenyl Phenyl Ether	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
4-Chloro-3-methylphenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
4-Chlorophenyl Phenyl Ether	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
4-Nitrophenol	2100 U	2000 U	2100 U	2200 U	2200 U	2100 U	2400 U	2200 U	2500 U	2500 U
Acenaphthene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Acenaphthylene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Anthracene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Benzo(a)anthracene	410 U	380 U	27 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Benzo(a)pyrene	410 U	380 U	68 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Benzo(b)fluoranthene	410 U	380 U	54 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Benzo(g,h,i)perylene	410 U	28 J	52 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S	R5BU1S
Sample Date	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002	11/09/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Benzo(k)fluoranthene	410 U	380 U	72 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Benzyl Butyl Phthalate	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
bis(2-Chloroethoxy)methane	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
bis(2-Chloroethyl)ether	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
bis(2-Ethylhexyl)phthalate	410 U	380 U	30 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Carbazole	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Chrysene	410 U	380 U	28 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Di-n-butylphthalate	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Di-n-octylphthalate	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Dibenzo(a,h)anthracene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Dibenzofuran	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Diethyl Phthalate	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Dimethyl Phthalate	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Dinoseb	410 U	380 U	400 U	430 U	430 U	400 UJ	460 U	430 U	490 UJ	480 U
Fluoranthene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Fluorene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Hexachlorobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Hexachlorobutadiene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Hexachlorocyclopentadiene	410 U	380 U	400 U	430 U	430 U	400 UJ	460 U	430 U	490 UJ	480 U
Hexachloroethane	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Indeno(1,2,3-cd)pyrene	410 U	29 J	29 J	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Isophorone	410 U	380 U	400 U	390 J	430 U	400 U	460 U	430 U	490 U	480 U
N-Nitroso-di-n-propylamine	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
N-Nitrosodiphenylamine	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Naphthalene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Nitrobenzene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
P-Chloroaniline	820 U	770 U	800 U	860 U	870 U	800 U	920 U	860 U	980 U	970 U
P-Nitroaniline	2100 U	2000 U	2100 U	2200 U	2200 U	2100 U	2400 U	2200 U	2500 U	2500 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Phenol	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U
Pyrene	410 U	380 U	400 U	430 U	430 U	400 U	460 U	430 U	490 U	480 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
1,2,4-Trichlorobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
1,2-Dichlorobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
1,3-Dichlorobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
1,4-Dichlorobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2,4,5-Trichlorophenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
2,4,6-Trichlorophenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
2,4-Dichlorophenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
2,4-Dimethylphenol	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2,4-Dinitrophenol	2000 U	2900 U	3300 U	3800 U	3700 U	2300 U	2400 U	2200 U
2,4-Dinitrotoluene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2,6-Dinitrotoluene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2-Chloronaphthalene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2-Chlorophenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
2-Methylnaphthalene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
2-Methylphenol (o-Cresol)	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
2-Nitroaniline	2000 U	2900 U	3300 U	3800 U	3700 UJ	2300 U	2400 U	2200 U
2-Nitrophenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
3,3'-Dichlorobenzidine	770 U	1100 U	1300 U	1500 U	1400 UJ	880 U	940 U	840 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
3-Nitroaniline	2000 U	2900 U	3300 U	3800 U	3700 UJ	2300 U	2400 U	2200 U
4,6-Dinitro-2-methylphenol	2000 U	2900 U	3300 U	3800 U	3700 U	2300 U	2400 U	2200 U
4-Bromophenyl Phenyl Ether	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
4-Chloro-3-methylphenol	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
4-Chlorophenyl Phenyl Ether	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
4-Nitrophenol	2000 U	2900 U	3300 U	3800 U	3700 U	2300 U	2400 U	2200 U
Acenaphthene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Acenaphthylene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Anthracene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Benzo(a)anthracene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Benzo(a)pyrene	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
Benzo(b)fluoranthene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Benzo(g,h,i)perylene	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-2
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8270 Semivolatile Organic Compounds

Sample ID	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
Benzo(k)fluoranthene	380 U	37 J	630 U	730 U	720 UJ	440 U	470 U	420 U
Benzyl Butyl Phthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
bis(2-Chloroethoxy)methane	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
bis(2-Chloroethyl)ether	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
bis(2-Ethylhexyl)phthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Carbazole	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Chrysene	380 U	570 U	630 U	38 J	720 UJ	440 U	470 U	420 U
Di-n-butylphthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Di-n-octylphthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Dibenzo(a,h)anthracene	380 U	570 U	630 U	730 U	720 UJ	440 U	65 J	420 U
Dibenzofuran	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Diethyl Phthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Dimethyl Phthalate	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Dinoseb	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Fluoranthene	380 U	570 U	630 U	56 J	720 UJ	440 U	470 U	420 U
Fluorene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Hexachlorobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Hexachlorobutadiene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Hexachlorocyclopentadiene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Hexachloroethane	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Indeno(1,2,3-cd)pyrene	380 U	570 U	630 U	730 U	720 U	440 U	470 U	420 U
Isophorone	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
N-Nitroso-di-n-propylamine	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
N-Nitrosodiphenylamine	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Naphthalene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Nitrobenzene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
P-Chloroaniline	770 U	1100 U	1300 U	1500 U	1400 UJ	880 U	940 U	840 U
P-Nitroaniline	2000 U	2900 U	3300 U	3800 U	3700 UJ	2300 U	2400 U	2200 U
Pentachlorophenol	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Phenol	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U
Pyrene	380 U	570 U	630 U	730 U	720 UJ	440 U	470 U	420 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-3
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8081 Pesticides

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S	R2AD1S	R2AM1S	R2AM2S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	11/14/2002	11/14/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
4,4'-DDD	7 UJ	7 UJ	5 UJ	4.4 UJ	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
4,4'-DDE	7 U	7 U	1.1 R	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	0.56 R
4,4'-DDT	7 R	57 J	5 R	4.4 R	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 UJ
Aldrin	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
alpha-BHC	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
alpha-Chlordane	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
beta-BHC	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
delta-BHC	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
Dieldrin	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
Endosulfan I	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
Endosulfan II	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
Endosulfan Sulfate	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
Endrin	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
Endrin Aldehyde	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
Endrin Ketone	7 UJ	7 UJ	5 UJ	4.4 UJ	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 UJ	4.7 U
gamma-BHC (Lindane)	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
gamma-Chlordane	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
Heptachlor	3.6 UJ	3.6 UJ	2.6 UJ	2.3 UJ	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
Heptachlor Epoxide	3.6 U	3.6 U	2.6 U	2.3 U	1.8 U	2.3 U	1.8 U	1.8 U	1.8 U	1.8 U	2.5 U	2.4 UJ	2.4 U
Methoxychlor	36 UJ	36 UJ	26 UJ	23 UJ	18 U	23 U	18 U	18 U	18 U	18 U	25 U	24 UJ	24 UJ
Toxaphene	360 U	360 U	260 U	230 U	180 U	230 U	180 U	180 U	180 U	180 U	250 U	240 UJ	240 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-3
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8081 Pesticides

Sample ID	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S	R4AD1S
Sample Date	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002	11/10/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
4,4'-DDD	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 U	5.4 UJ	5.4 U	3.8 U	1.2 J	4.1 U	3.4 U	4.1 U
4,4'-DDE	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	0.54 J	1.3 UJ	5.4 U	3.8 U	4.9 J	4.1 U	3.4 U	4.1 U
4,4'-DDT	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 UJ	5.4 UJ	3.3 J	3.8 U	7.7 UJ	4.1 UJ	3.4 U	4.1 U
Aldrin	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 U	2.8 UJ	2.8 U	2 U	4 U	2.1 U	1.8 U	2.1 U
alpha-BHC	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 U	2.8 UJ	2.8 U	2 U	4 U	2.1 U	1.8 U	2.1 U
alpha-Chlordane	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 U	2.8 UJ	2.8 U	2 U	1.1 J	2.1 U	1.8 U	2.1 U
beta-BHC	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	0.26 J	2.8 UJ	2.8 U	2 U	0.67 J	2.1 U	1.8 U	2.1 U
delta-BHC	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 U	2.8 UJ	2.8 U	2 U	0.72 J	2.1 U	1.8 U	2.1 U
Dieldrin	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 U	5.4 UJ	5.4 U	3.8 U	7.7 U	4.1 U	3.4 U	4.1 U
Endosulfan I	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 U	2.8 UJ	2.8 U	2 U	1 J	2.1 U	1.8 U	2.1 U
Endosulfan II	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 U	5.4 UJ	5.4 U	3.8 U	7.7 U	4.1 U	3.4 U	4.1 U
Endosulfan Sulfate	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 U	5.4 UJ	5.4 U	3.8 U	7.7 U	4.1 U	3.4 U	4.1 U
Endrin	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	4.2 U	5.4 UJ	5.4 U	3.8 U	7.7 U	4.1 U	3.4 U	4.1 U
Endrin Aldehyde	4.2 UJ	4.4 U	4.2 UJ	4.1 U	3.4 U	1.8 J	2.7 J	5.4 U	1.7 J	4.1 J	4.1 U	3.4 U	4.1 U
Endrin Ketone	4.2 UJ	4.4 U	1.2 J	4.1 U	3.4 U	4.2 U	5.4 UJ	0.78 J	0.41 J	1.2 J	4.1 U	3.4 U	0.38 J
gamma-BHC (Lindane)	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	0.18 J	2.8 UJ	2.8 U	2 U	4 U	2.1 U	1.8 U	2.1 U
gamma-Chlordane	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	0.78 J	2.8 UJ	1 J	2 U	3 J	0.54 J	1.8 U	2.1 U
Heptachlor	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	2.2 UJ	0.4 J	2.8 U	2 U	0.98 J	0.43 J	1.8 U	0.33 J
Heptachlor Epoxide	2.2 UJ	2.3 U	2.2 UJ	2.1 U	1.8 U	0.61 J	2.8 UJ	0.31 J	2 U	11	2.1 U	1.8 U	2.1 U
Methoxychlor	22 UJ	23 U	22 UJ	21 U	18 U	22 UJ	28 UJ	28 UJ	20 UJ	40 UJ	21 UJ	18 U	21 UJ
Toxaphene	220 UJ	230 U	220 UJ	210 U	180 U	220 U	280 UJ	280 U	200 U	400 U	210 U	180 U	210 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-3
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8081 Pesticides

Sample ID	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S
Sample Date	11/10/2002	11/11/2002	11/10/2002	11/11/2002	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
4,4'-DDD	4.1 U	3.9 U	4 U	3.9 UJ	0.98 J	3.8 U	4 U	4.3 UJ	4.3 UJ	4 UJ	4.6 UJ	4.3 UJ	4.9 UJ
4,4'-DDE	4.1 U	3.9 U	4 U	3.9 UJ	0.4 J	3.8 U	4 U	4.3 U	4.3 U	4 U	0.51 J	4.3 U	4.9 U
4,4'-DDT	4.1 U	3.9 U	4 U	3.9 UJ	3 J	3.8 U	4 U	4.3 UJ	4.3 UJ	4 R	0.5 J	4.3 UJ	4.9 R
Aldrin	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
alpha-BHC	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
alpha-Chlordane	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
beta-BHC	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
delta-BHC	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
Dieldrin	4.1 U	3.9 U	4 U	3.9 UJ	1.2 J	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Endosulfan I	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
Endosulfan II	4.1 U	3.9 U	4 U	3.9 UJ	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Endosulfan Sulfate	4.1 U	3.9 U	4 U	3.9 UJ	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Endrin	4.1 U	3.9 U	4 U	3.9 UJ	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Endrin Aldehyde	1.3 J	1.2 J	2.1 J	3.9 UJ	1.9 J	1.4 J	2.4 J	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Endrin Ketone	4.1 U	3.9 U	4 U	3.9 UJ	4.1 U	0.76 J	4 U	4.3 U	1.3 J	0.51 J	4.6 U	4.3 U	0.65 J
gamma-BHC (Lindane)	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
gamma-Chlordane	2.1 U	2 U	2.1 U	2 UJ	1.2 J	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
Heptachlor	2.1 U	0.31 J	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 UJ	2.4 U	2.2 U	2.5 UJ
Heptachlor Epoxide	2.1 U	2 U	2.1 U	2 UJ	2.1 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.4 U	2.2 U	2.5 U
Methoxychlor	21 UJ	20 UJ	3.3 J	20 UJ	21 UJ	0.9 J	0.76 J	22 UJ	22 UJ	21 UJ	24 UJ	22 UJ	25 UJ
Toxaphene	210 U	200 U	210 U	200 UJ	210 U	200 U	210 U	220 U	220 U	210 U	240 U	220 U	250 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-3
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8081 Pesticides

Sample ID	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/09/2002	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
4,4'-DDD	4.8 UJ	3.8 UJ	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
4,4'-DDE	0.6 J	3.8 U	1.7 J	0.73 J	1.5 J	7.2 U	0.57 J	1.1 J	4.2 R
4,4'-DDT	4.8 UJ	3.8 UJ	5.7 UJ	6.3 R	7.3 UJ	7.2 UJ	4.4 UJ	4.7 UJ	4.2 R
Aldrin	2.5 U	2 U	2.9 U	2.1 J	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
alpha-BHC	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
alpha-Chlordane	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
beta-BHC	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
delta-BHC	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
Dieldrin	4.8 U	3.8 U	5.7 U	0.55 J	7.3 UJ	2.9 J	4.4 UJ	4.7 U	4.2 R
Endosulfan I	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
Endosulfan II	4.8 U	3.8 U	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
Endosulfan Sulfate	4.8 U	3.8 U	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
Endrin	4.8 U	3.8 U	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
Endrin Aldehyde	4.8 U	3.8 U	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
Endrin Ketone	4.8 U	3.8 U	5.7 U	6.3 R	7.3 UJ	7.2 U	4.4 UJ	4.7 U	4.2 R
gamma-BHC (Lindane)	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
gamma-Chlordane	2.5 U	2 U	2.9 U	3.3 R	0.45 J	3.7 U	0.4 J	2.4 U	2.2 R
Heptachlor	2.5 U	2 U	2.9 U	3.3 R	3.8 UJ	3.7 U	2.3 UJ	2.4 U	2.2 R
Heptachlor Epoxide	2.5 U	2 U	2.9 U	3.3 U	3.8 U	3.7 U	2.3 U	2.4 U	2.2 U
Methoxychlor	25 UJ	20 UJ	29 UJ	33 R	38 UJ	37 UJ	23 UJ	24 UJ	22 R
Toxaphene	250 U	200 U	290 U	330 R	380 UJ	370 U	230 UJ	240 U	220 R

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-4
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8151 Herbicides

Sample ID Sample Date Units Compound	P11S 11/18/2002 ug/kg	P12S 11/18/2002 ug/kg	R1AD1S 11/15/2002 ug/kg	R1AM1S 11/15/2002 ug/kg	R1AU1S 11/16/2002 ug/kg	R1BD1S 11/15/2002 ug/kg	R1BM1S 11/16/2002 ug/kg	R1BM2S-DUP 11/16/2002 ug/kg	R1BU1S 11/16/2002 ug/kg	R1CM1S 11/16/2002 ug/kg	R2AD1S 11/13/2002 ug/kg
2,4,5-T	18 R	18 R	12 R	11 R	8.8 R	11 R	8.6 R	NR	8.6 R	8.8 R	12 U
2,4,5-TP (Silvex)	18 R	18 R	12 R	11 R	8.8 R	11 R	8.6 R	NR	8.6 R	8.8 R	12 U
2,4-D	18 R	18 R	12 R	11 R	8.8 R	11 R	5.2 J	NR	8.6 R	8.8 R	12 UJ
2,4-DB	18 R	18 R	12 R	11 R	8.8 R	11 R	8.6 R	NR	8.6 R	8.8 R	12 U
Dalapon	4200 R	4200 R	3000 R	2700 R	2100 R	2700 R	2100 R	NR	2100 R	2100 R	2900 R
Dicamba	42 R	42 R	30 R	27 R	21 R	27 R	21 R	NR	21 R	21 R	29 U
Dichlorprop	210 R	3.7 J	150 R	130 R	12 J	130 R	21 J	19 J	23 J	15 J	140 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	4200 R	4200 R	3000 R	2700 R	2100 R	2700 R	2100 R	NR	2100 R	2100 R	2900 U
MCPP	4200 R	630 J	370 J	2700 R	2100 R	2700 R	460 J	NR	2100 R	2100 R	2900 U
Pentachlorophenol	36 R	2.5 J	26 R	23 R	18 R	23 R	18 R	NR	18 R	18 R	25 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-4
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8151 Herbicides

Sample ID	R2AM1S	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S
Sample Date	11/14/2002	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound											
2,4,5-T	12 U	12 U	11 U	11 U	11 U	10 R	8.6 U	11 U	14 U	14 U	9.5 U
2,4,5-TP (Silvex)	12 U	12 U	11 U	11 U	11 U	10 R	8.6 U	11 U	14 U	14 U	9.5 U
2,4-D	12 UJ	12 UJ	11 UJ	11 UJ	11 UJ	10 R	8.6 UJ	6.6 J	14 UJ	14 UJ	9.5 UJ
2,4-DB	12 U	12 U	11 U	11 U	11 U	10 R	8.6 U	11 U	14 U	14 U	9.5 U
Dalapon	2800 R	2800 R	2600 R	2700 R	2600 R	2500 R	2100 R	2600 U	9.9 J	3300 R	2300 U
Dicamba	28 U	28 U	26 U	27 U	26 U	25 R	21 U	26 U	33 U	33 U	23 U
Dichlorprop	140 U	140 U	130 U	140 U	130 U	120 R	100 U	3.1 J	6.8 J	160 U	110 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2800 U	2800 U	2600 U	2700 U	2600 U	2500 R	2100 U	2600 U	3300 U	3300 U	2300 U
MCPP	2800 U	2800 U	2600 U	2700 U	2600 U	2500 R	2100 U	2600 U	1000 J	3300 U	2300 U
Pentachlorophenol	24 U	24 U	22 U	23 U	22 U	21 R	18 U	2.8 J	2.1 J	1.4 J	20 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-4
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8151 Herbicides

Sample ID Sample Date Units Compound	R3BM1S 11/12/2002 ug/kg	R3BU1S 11/13/2002 ug/kg	R3CM1S 11/13/2002 ug/kg	R4AD1S 11/10/2002 ug/kg	R4AM1S 11/10/2002 ug/kg	R4AU1S 11/11/2002 ug/kg	R4BD1S 11/10/2002 ug/kg	R4BM1S 11/11/2002 ug/kg	R4BU1S 11/11/2002 ug/kg	R4CM1S 11/11/2002 ug/kg	R4CM2S 11/11/2002 ug/kg
2,4,5-T	19 U	10 U	8.6 U	10 U	10 U	9.9 U	10 U	9.9 U	10 U	9.6 U	10 U
2,4,5-TP (Silvex)	19 U	10 U	8.6 U	10 U	10 U	9.9 U	10 U	9.9 U	10 U	9.6 U	10 U
2,4-D	19 UJ	10 UJ	8.6 UJ	10 UJ	10 UJ	9.9 UJ	10 UJ	9.9 UJ	10 UJ	9.6 UJ	10 UJ
2,4-DB	19 U	10 U	8.6 U	10 U	10 U	9.9 U	10 U	9.9 U	10 U	9.6 U	10 U
Dalapon	4.7 J	2500 R	2100 R	2500 U	2500 U	2400 U	2400 U	2400 U	2500 U	2300 U	2400 U
Dicamba	46 U	25 U	21 U	25 U	25 U	24 U	24 U	24 U	25 U	23 U	24 U
Dichlorprop	230 U	120 U	100 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	380 J	2500 U	2100 U	2500 U	2500 U	2400 U	2400 U	2400 U	2500 U	2300 U	2400 U
MCPP	2500 J	2500 U	2100 U	2500 U	2500 U	2400 U	2400 U	2400 U	2500 U	2300 U	2400 U
Pentachlorophenol	3.6 J	1.6 J	18 U	21 U	21 U	20 U	21 U	20 U	21 U	20 U	21 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-4
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8151 Herbicides

Sample ID Sample Date Units Compound	R5AM1S 11/08/2002 ug/kg	R5AM3S 11/08/2002 ug/kg	R5AN1S 11/17/2002 ug/kg	R5AU1S 11/08/2002 ug/kg	R5BM1S 11/09/2002 ug/kg	R5BN1S 11/17/2002 ug/kg	R5BU1S 11/09/2002 ug/kg	R5CM1S 11/09/2002 ug/kg	R6AD1S 11/06/2002 ug/kg	R6AM1S 11/07/2002 ug/kg	R6AM2S 11/07/2002 ug/kg
2,4,5-T	11 U	11 U	10 R	12 U	11 U	12 R	12 U	9.6 U	14 U	16 U	18 U
2,4,5-TP (Silvex)	11 U	11 U	10 R	12 U	11 U	12 R	12 U	9.6 U	14 U	16 U	18 U
2,4-D	20	11 U	7.9 J	9.2 J	11 U	13 J	12 U	9.6 U	14 U	16 U	18 U
2,4-DB	11 U	11 U	10 R	12 U	11 U	12 R	12 U	9.6 U	14 U	16 U	18 U
Dalapon	2600 U	2600 U	2400 R	2800 U	2600 U	3000 R	2900 U	2300 U	3400 U	3800 U	4400 U
Dicamba	26 U	26 U	24 R	28 U	26 U	30 R	29 U	23 U	34 U	38 U	44 U
Dichlorprop	130 U	130 U	120 R	140 U	130 U	150 R	150 U	120 U	170 U	190 U	220 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	2600 U	2600 U	2400 R	2800 U	2600 U	3000 R	2900 U	2300 U	3400 U	3800 U	4400 U
MCPP	2600 U	2600 U	2400 R	2800 U	2600 U	3000 R	2900 U	2300 U	3400 U	3800 U	4400 U
Pentachlorophenol	22 U	22 U	21 R	24 U	22 U	25 R	25 U	2.6 J	29 U	33 U	38 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-4
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8151 Herbicides

Sample ID Sample Date Units Compound	R6AU1S 11/06/2002 ug/kg	R6BM1S 11/07/2002 ug/kg	R6BU1S 11/06/2002 ug/kg	R6CM1S 11/07/2002 ug/kg
2,4,5-T	18 U	11 U	12 U	10 U
2,4,5-TP (Silvex)	18 U	11 U	12 U	10 U
2,4-D	18 U	11 U	12 U	10 U
2,4-DB	18 U	11 U	12 U	10 U
Dalapon	4300 U	2700 U	2800 U	2500 U
Dicamba	43 U	27 U	28 U	25 U
Dichlorprop	220 U	130 U	140 U	130 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	4300 U	2700 U	2800 U	2500 U
MCPP	4300 U	2700 U	2800 U	2500 U
Pentachlorophenol	37 U	23 U	24 U	22 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-5
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S	R2AD1S	R2AM1S	R2AM2S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	11/14/2002	11/14/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
Decachlorobiphenyl	36 U	36 U	26 U	23 U	18 U	23 U	18 U	18 U	18 U	18 U	25 U	24 U	24 U
Dichlorobiphenyl	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 U	4.7 U
Heptachlorobiphenyl	130	4.3 J	15 U	13 U	11 U	13 U	10 U	10 U	10 U	11 U	14 U	14 U	14 U
Hexachlorobiphenyl	200	16	10 U	8.9 U	7.1 U	8.9 U	7 U	7 U	7 U	7.1 U	9.7 U	9.4 U	9.6 U
Monochlorobiphenyl	7 U	7 U	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 U	4.7 U
Nonachlorobiphenyl	5.8 J	36 U	26 U	23 U	18 U	23 U	18 U	18 U	18 U	18 U	25 U	24 U	24 U
Octachlorobiphenyl	24	21 U	15 U	13 U	11 U	13 U	10 U	10 U	10 U	11 U	14 U	14 U	14 U
Pentachlorobiphenyl	400	48	10 U	8.9 U	7.1 U	8.9 U	7 U	7 U	7 U	7.1 U	9.7 U	9.4 U	9.6 U
Tetrachlorobiphenyl	330	93	10 U	8.9 U	7.1 U	8.9 U	7 U	7 U	7 U	7.1 U	9.7 U	9.4 U	9.6 U
Trichlorobiphenyl	69	14	5 U	4.4 U	3.5 U	4.4 U	3.4 U	3.4 U	3.4 U	3.5 U	4.8 U	4.6 U	4.7 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-5
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S	R4AD1S
Sample Date	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002	11/10/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
Decachlorobiphenyl	22 U	23 U	22 U	21 U	18 U	22 U	28 U	28 U	20 U	40 U	21 U	18 U	21 U
Dichlorobiphenyl	4.2 U	4.4 U	4.2 U	4.1 U	3.4 U	1 J	1.7 J	5.4 U	3.8 U	14	4.1 U	3.4 U	4.1 U
Heptachlorobiphenyl	13 U	14 U	13 U	12 U	10 U	13 U	16 U	16 U	11 U	23 U	12 U	10 U	12 U
Hexachlorobiphenyl	8.6 U	9 U	8.6 U	8.4 U	7 U	8.6 U	11 U	11 U	7.7 U	16 U	8.4 U	7 U	8.4 U
Monochlorobiphenyl	4.2 U	4.4 U	4.2 U	4.1 U	3.4 U	3.6 J	2.9 J	1.2 J	3.8 U	29	4.1 U	3.4 U	4.1 U
Nonachlorobiphenyl	22 U	23 U	22 U	21 U	18 U	22 U	28 U	28 U	20 U	12 J	21 U	18 U	21 U
Octachlorobiphenyl	13 U	14 U	13 U	12 U	10 U	13 U	16 U	16 U	11 U	23 U	12 U	10 U	12 U
Pentachlorobiphenyl	8.6 U	9 U	8.6 U	8.4 U	7 U	8.6 U	11 U	11 U	7.7 U	4.4 J	8.4 U	7 U	8.4 U
Tetrachlorobiphenyl	8.6 U	9 U	8.6 U	8.4 U	7 U	8.6 U	11 U	11 U	7.7 U	16 U	8.4 U	7 U	8.4 U
Trichlorobiphenyl	4.2 U	4.4 U	4.2 U	4.1 U	3.4 U	0.96 J	1.1 J	1.2 J	3.8 U	10	4.1 U	3.4 U	4.1 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-5
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S
Sample Date	11/10/2002	11/11/2002	11/10/2002	11/11/2002	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound													
Decachlorobiphenyl	21 U	20 U	21 U	20 U	21 U	20 U	21 U	22 U	22 U	21 U	24 U	22 U	25 U
Dichlorobiphenyl	4.1 U	3.9 U	4 U	3.9 U	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Heptachlorobiphenyl	12 U	12 U	12 U	12 U	12 U	12 U	12 U	13 U	13 U	12 U	14 U	13 U	15 U
Hexachlorobiphenyl	8.4 U	8 U	8.2 U	8 U	8.4 U	7.8 U	8.2 U	8.7 U	8.8 U	8.2 U	9.3 U	8.7 U	10 U
Monochlorobiphenyl	4.1 U	3.9 U	4 U	3.9 U	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U
Nonachlorobiphenyl	21 U	20 U	21 U	8.9 J	21 U	20 U	21 U	22 U	22 U	21 U	24 U	22 U	25 U
Octachlorobiphenyl	12 U	12 U	12 U	12 U	12 U	12 U	12 U	13 U	13 U	12 U	14 U	13 U	15 U
Pentachlorobiphenyl	8.4 U	8 U	8.2 U	8 U	8.4 U	7.8 U	8.2 U	8.7 U	8.8 U	8.2 U	9.3 U	8.7 U	10 U
Tetrachlorobiphenyl	8.4 U	8 U	8.2 U	8 U	8.4 U	7.8 U	8.2 U	8.7 U	8.8 U	8.2 U	9.3 U	8.7 U	10 U
Trichlorobiphenyl	4.1 U	3.9 U	4 U	3.9 U	4.1 U	3.8 U	4 U	4.3 U	4.3 U	4 U	4.6 U	4.3 U	4.9 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-5
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 680 Polychlorinated Biphenyls

Sample ID	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/09/2002	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Decachlorobiphenyl	25 U	20 U	29 U	33 U	38 U	37 U	23 U	24 U	22 U
Dichlorobiphenyl	4.8 U	3.8 U	5.7 U	6.3 U	7.3 U	7.2 U	4.4 U	4.7 U	4.2 U
Heptachlorobiphenyl	15 U	12 U	17 U	19 U	22 U	22 U	13 U	14 U	13 U
Hexachlorobiphenyl	9.8 U	7.8 U	12 U	13 U	15 U	14 U	8.9 U	9.6 U	8.5 U
Monochlorobiphenyl	4.8 U	3.8 U	5.7 U	6.3 U	7.3 U	7.2 U	4.4 U	4.7 U	4.2 U
Nonachlorobiphenyl	25 U	20 U	29 U	33 U	38 U	37 U	23 U	24 U	22 U
Octachlorobiphenyl	15 U	12 U	17 U	19 U	22 U	22 U	13 U	14 U	13 U
Pentachlorobiphenyl	9.8 U	7.8 U	12 U	13 U	15 U	14 U	8.9 U	9.6 U	8.5 U
Tetrachlorobiphenyl	9.8 U	7.8 U	12 U	13 U	15 U	14 U	8.9 U	9.6 U	8.5 U
Trichlorobiphenyl	4.8 U	3.8 U	5.7 U	6.3 U	7.3 U	7.2 U	4.4 U	4.7 U	4.2 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-6
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 8290 PCDD/PCDFs

Sample ID Sample Date Units Compound	P11S 11/18/2002 ug/kg	R1BM1S 11/16/2002 ug/kg	R1BM2S 11/15/2002 ug/kg	R2BM1S 11/14/2002 ug/kg	R4BM1S 11/11/2002 ug/kg	R5BM1S 11/09/2002 ug/kg	R6BM1S 11/07/2002 ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	2.2 J	0.0011 U	0.0024 U	0.0014 U	0.025	0.002 U	0.011
1,2,3,4,6,7,8-HpCDF	0.31 J	0.00091 U	0.00039 U	0.00059 U	0.0038 J	0.0007 U	0.0014 U
1,2,3,4,7,8,9-HpCDF	0.023 J	0.001 U	0.00042 U	0.00065 U	0.0003 U	0.00027 U	0.00088 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.0086 J	0.0012 U	0.00062 U	0.0011 U	0.00012 U	0.00018 U	0.0011 U
1,2,3,4,7,8-HxCDF	0.032 J	0.0011 U	0.00052 U	0.00092 U	0.00032 U	0.00039 U	0.00097 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.065 J	0.0013 U	0.00066 U	0.0011 U	0.00052 U	0.00026 U	0.0012 U
1,2,3,6,7,8-HxCDF	0.018 J	0.0011 U	0.00051 U	0.00092 U	0.00011 U	0.00026 U	0.00097 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.023 J	0.0012 U	0.00063 U	0.0011 U	0.00019 U	0.00021 U	0.0011 U
1,2,3,7,8,9-HxCDF	0.0035 UJ	0.0014 U	0.00066 U	0.0012 U	0.00014 U	0.00013 U	0.0013 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.0045 UJ	0.0017 U	0.00078 U	0.0012 U	0.00021 U	0.00023 U	0.0013 U
1,2,3,7,8-Pentachlorodibenzofuran	0.025 J	0.00084 U	0.00042 U	0.00066 U	0.0001 U	0.00018 U	0.00078 U
2,3,4,6,7,8-HxCDF	0.019 J	0.0012 U	0.00057 U	0.001 U	0.00013 U	0.00019 U	0.0011 U
2,3,4,7,8-PeCDF	0.05 J	0.00083 U	0.00041 U	0.00066 U	0.0001 U	0.00018 U	0.00078 U
2,3,7,8-TCDD	0.0072 J	0.00059 U	0.00038 U	0.00048 U	0.000087 U	0.0001 U	0.00053 U
2,3,7,8-Tetrachlorodibenzofuran	0.11 J	0.00051 U	0.00031 U	0.00031 U	0.00021 U	0.00025 U	0.00044 U
OCDD	26 J	0.012 J	0.035 J	0.024 J	0.39 J	0.047 J	0.25 J
OCDF	1.3 J	0.0013 U	0.0006 U	0.0012 U	0.028	0.0016 U	0.008 J
Total HpCDD	4.3 J	0.0011 U	0.0027	0.0014 U	0.05	0.0021 U	0.021
Total HpCDF	1.4 J	0.001 U	0.00042 U	0.00065 U	0.019	0.0007 U	0.0043
Total HxCDD	0.39 J	0.0013 U	0.00066 U	0.0011 U	0.00074 U	0.00048 U	0.0012 U
Total HxCDF	0.75 J	0.0014 U	0.00066 U	0.0012 U	0.0014 U	0.00039 U	0.0013 U
Total PeCDD	0.1 J	0.0017 U	0.00078 U	0.0012 U	0.00029 U	0.0004 U	0.0013 U
Total PeCDF	0.46 J	0.00087 U	0.00049 U	0.00066 U	0.00015 U	0.00018 U	0.00081 U
Total TCDD	0.085 J	0.00059 U	0.00038 U	0.00048 U	0.00019 U	0.00013 U	0.001
Total TCDF	0.86 J	0.00051 U	0.00031 U	0.00031 U	0.00021 U	0.00025 U	0.00044 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-7
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 6010/7470 Inorganics

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S-DUP	R1BU1S	R1CM1S	R2AD1S	R2AM1S	R2AM2S
Sample Date	11/18/2002	11/18/2002	11/15/2002	11/15/2002	11/16/2002	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	11/14/2002	11/14/2002
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound													
Aluminum	11000	14000	5900	2400	630	1300	940	870	670	800	6300 J	3800 J	4200 J
Antimony	3.9 UJ	4.3 U	3 U	2.4 UJ	2.1 U	2.7 U	2.1 U	2.1 U	2.1 U	2.1 U	2.9 U	2.8 U	2.86 U
Arsenic	5.2	7.3	5.6	2.9	1.8 J	2.3	1.5 J	1.1 J	1.4 J	1 J	7.5	4.1	4.6
Barium	200	260	140	75	26	44	16	12	11	14	170	130	130
Beryllium	0.77	0.93	0.48	0.53 U	0.42 U	0.53 U	0.42 U	0.42 U	0.42 U	0.42 U	0.54	0.56 U	0.57 U
Cadmium	1.3	1.7	1.2	0.61 UJ	0.48 UJ	0.61 UJ	0.47 UJ	0.47 UJ	0.52 UJ	0.53 UJ	0.66 UJ	0.64 UJ	0.71 UJ
Calcium	13000	16000	8200	6700	860	2400	1400	700	1100	960	12000 J	8700 J	9200
Chromium	19	24	11	6.3	1.6	6	3.5	3.3	2.2	3.3	11	8.6	9.1
Cobalt	8.8	11	6	4.1	2.4	2.8	2.5	2.3	2.3	2.4	6.3	5.2	5.4
Copper	30	39	12	4.8	0.75	1.4	1.1	1.3	0.9	0.61	14	7.6	8.4
Iron	20000	25000	12000	7500	3900	5000	3300	3100	2600	3300	12000	9800	10000
Lead	43	53	12	8.1	2.7	4.9	1.7	1.7	1.6	2.1	11 J	10 J	11 J
Magnesium	4200	5500	3400	2500	380	1100	700	500	680	710	5100	3100	3300
Manganese	610	770	500	240	140	83	150	160	110	95	310	400	420
Mercury	0.13	0.13	0.065	0.13	0.0045	0.024 U	0.0035	0.017 U	0.019 U	0.018 U	0.024	0.022	0.026
Nickel	21	28	15	8.7	5	8.2	6	5	4.7	5.2	16	11	11
Potassium	1600	2000	820	440	120	260	100	89	87	130	1300	650	710
Selenium	1.9 U	1.9 U	1.3 U	1.2 U	0.97 U	1.2 U	0.95 U	0.95 U	1 U	1.1 U	1.3 U	1.3 U	1.4 U
Silver	1.9 UJ	2.1 UJ	1.3 UJ	1.2 UJ	0.97 UJ	1.2 UJ	0.95 UJ	0.95 UJ	1 UJ	1.1 UJ	1.3 UJ	1.3 UJ	1.4 UJ
Sodium	87	110	78	57	26	49	26	25	22	33	130	76	83
Thallium	1.9 U	1.9 U	1.3 U	1.2 U	0.97 U	1.2 U	0.95 U	0.95 U	1 U	1.1 U	1.3 U	1.3 U	1.4 U
Vanadium	29	38	19	9.2	3.6	6.2	3.6	3.2	3.1	3.3	20	13	14
Zinc	190 J	240 J	89 J	34 J	8.2 J	15 U	8.2 J	7.2 J	6.7 J	7.6 J	45	40	41

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-7
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 6010/7470 Inorganics

Sample ID	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S	R4AD1S
Sample Date	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002	11/10/2002
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound													
Aluminum	1200 J	1300 J	960 J	1400	780 J	2000	5900	5800 J	780	7700	1600 J	650 J	1100
Antimony	2.6 U	2.5 U	2.6 U	2.5 U	1.9 U	2.3 UJ	3.3 UJ	3.3 U	2.1 UJ	4.2 UJ	2.5 U	2.1 U	2.5 UJ
Arsenic	2.1	2.6	2	2.1	1.4	3	3.7	3.9	1.4 J	6.1	1.8	1	1.9
Barium	35	300	36	53	22	89	140	170	28	210	26	16	33
Beryllium	0.51 U	0.54 U	0.51 U	0.5 U	0.42 U	0.16	0.41	0.5	0.053	0.55	0.5 U	0.42 U	0.092
Cadmium	0.58 UJ	0.61 UJ	0.58 UJ	0.57 UJ	0.47 UJ	1.1	1.4	1.1	0.31	1	0.57 UJ	0.47 UJ	0.63 U
Calcium	2400 J	3000 J	2200 J	2500	790 J	7300 J	12000 J	10000 J	1600 J	13000 J	1800 J	1200 J	6400 J
Chromium	2.8	7	6.3	3.7	2.7	5.3	12	11	2.7	16	4.3	2.3	2.9
Cobalt	2.4	3.3	2.1	2.7	3.2	3.5	6	5.9	2.4	7.3	3.3	1.9	2.2
Copper	1.2	2.8	0.88	1.6	0.68	6.4	18	12	2	19	2.3	0.58	2.5 U
Iron	4400	7700	3800	5500	3200	7600	14000	13000	3700	18000	4800	2700	4800
Lead	4 J	5.8 J	19 J	4.4	2 J	41 J	35 J	47 J	11 J	43 J	7 J	1.9 J	7.7 J
Magnesium	1000	1300	960	1100	540	2500	3700	3500	890	4500	1000	710	3000
Manganese	90	810	68	86	150	160	440	540	61	430	130	210	67
Mercury	0.0033	0.0038	0.0043	0.0043	0.019 U	0.0089	0.037	0.03	0.0039	0.067	0.0048	0.019 U	0.023 U
Nickel	5.8	6.5	4.7	6.5	6.8	8	13	13	5.6	17	6.9	4.1	5.8
Potassium	270	290	240	270	140	380	820	830	140	1000	240	120	200
Selenium	1.2 U	1.2 U	1.2 U	1.1 U	0.95 U	1.2 U	1.6 U	1.5 U	1 U	2.1 U	1.1 U	0.95 U	1.2 U
Silver	1.2 UJ	1.2 UJ	1.2 UJ	1.1 UJ	0.95 UJ	0.13	1.6 U	1.5 UJ	1 U	2.1 U	1.1 UJ	0.95 UJ	1.2 U
Sodium	47	52	44	37	26	150 U	270 J	160	92 U	290 J	41	25	140 U
Thallium	1.2 U	1.3	1.2 U	1.1 U	0.95 U	1.2 UJ	1.6 UJ	1.5 U	1 UJ	2.1 UJ	1.1 U	0.95 U	1.2 UJ
Vanadium	5	15	4.5	7.2	3.9	8.5	16	16	5.4	20	5.8	3.9	5.1
Zinc	13	27	10	14 U	8	260 J	310 J	310	87 J	180 J	25	6.7	40 J

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-7
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 6010/7470 Inorganics

Sample ID	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S
Sample Date	11/10/2002	11/11/2002	11/10/2002	11/11/2002	11/11/2002	11/11/2002	11/11/2002	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound													
Aluminum	900	1100	630	770	890	1000	1000	2600	1800	1800	2900	1100	4700
Antimony	2.3 UJ	2.4 UJ	2.2 UJ	2 UJ	2.1 UJ	2.1 UJ	2.4 UJ	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U	3 U
Arsenic	2.5	1.8	1.8	1.4 J	1.6 J	1.7 J	2	2.7	1.7	2	2.6	2.9	4.8
Barium	49	110	15	24	20	38	21	59	50	47	63	43	97
Beryllium	0.067	0.09	0.05	0.063	0.066	0.084	0.071	0.18	0.11	0.49 U	0.19	0.081	0.36
Cadmium	0.58	0.67	0.61 U	0.59 U	0.3	0.58 U	0.61 U	0.31	0.32	0.61 UJ	0.26	0.65 U	0.75 UJ
Calcium	3300 J	6100 J	1600 J	2400 J	2200 J	1900 J	1800 J	6600	5100	3700	5800	2400	8500
Chromium	5.2	10	1.8	2.2	2.8	2.8	2.5	5.8	4.2	4.9	6.3	2.6	9.4
Cobalt	2.6	2.5	1.6	1.9	2	2.4	2.6	3.9	3	2.8	3.7	2.7	5
Copper	5.6	2.5	2.4 U	6	1.5	2.3 U	2.4 U	4.5	3.7	3	5.4	2.7	9
Iron	15000	6700	2700	3500	3800	4000	4000	7500	5300	5600	7800	5100	11000
Lead	11 J	47 J	4.2 J	11 J	18 J	4.1 J	18 J	14	10	8.1	18	6.2	15
Magnesium	1100	1200	680	780	960	740	810	2300	2000	1300	2100	1000	2900
Manganese	110	76	53	65	66	67	62	190	100	99	250	69	370
Mercury	0.023 U	0.022 U	0.02 U	0.022 U	0.023 U	0.019 U	0.022 U	0.0038	0.0084	0.006	0.028	0.016	0.02
Nickel	8.2	6.1	3.6	4.2	4.8	5.5	5.8	8.5	6.4	6.3	7.9	6.1	11
Potassium	170	200	140	150	170	180	220	410	310	280	430	240	660
Selenium	1.1 U	1.2 U	1.1 U	0.99 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.5 U
Silver	1.1 U	1.2 U	1.1 U	0.99 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.3 U	1.2 U	1.5 UJ
Sodium	100 U	130 U	110 U	100 U	110 U	120 U	120 U	69	56	32	64	48	67
Thallium	1.1 UJ	1.2 UJ	1.1 UJ	0.99 UJ	1 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.3 UJ	1.2 UJ	1.5 U
Vanadium	5.5	7.4	3.7	3.8	4.3	5.5	5	8.4	6.4	7.5	8.5	6.1	13
Zinc	140 J	190 J	53 J	60 J	71 J	23 J	14 J	70	70	42 J	59	22	97 J

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-7
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 6010/7470 Inorganics

Sample ID Sample Date Units Compound	R5BU1S 11/09/2002 mg/kg	R5CM1S 11/09/2002 mg/kg	R6AD1S 11/06/2002 mg/kg	R6AM1S 11/07/2002 mg/kg	R6AM2S 11/07/2002 mg/kg	R6AU1S 11/06/2002 mg/kg	R6BM1S 11/07/2002 mg/kg	R6BU1S 11/06/2002 mg/kg	R6CM1S 11/07/2002 mg/kg
Aluminum	2600	980	6900	7200	9400	6700	1900	3200	790
Antimony	2.5 U	2.1 U	3.4 U	3.2 U	4.4 U	4 U	2.4 U	2.6 U	2.3 U
Arsenic	3.1	2.2	5.4 J	4.6	5.9	4.8 J	2.9 J	2.9 J	1.4 J
Barium	63	28	140	140	210	220	77	110	21
Beryllium	0.16	0.063	0.47	0.48	0.64	0.45	0.15	0.23	0.057
Cadmium	0.3	0.58 U	0.59	0.72	1.2	0.95	0.36	0.51	0.58 U
Calcium	5500	1300	12000	13000	18000	13000	5900	8200	2500
Chromium	5.5	3.6	14	14	19	14	4.8	7.4	2.6
Cobalt	3.5	4.7	7 J	7.3 J	10 J	7.4 J	3.7 J	4.7 J	2.3 J
Copper	4.7	2.1 U	14	14	20	11	3.4	7.6	2.3 U
Iron	7000	5400	15000	15000	20000	15000	6900	9100	4200
Lead	13	3.4	20	29	35	39	10	22	3
Magnesium	2100	950	3800	4600	6400	4600	2200	2800	770
Manganese	180	190	860	780	1000	700	140	230	130
Mercury	0.01	0.021 U	0.036	0.067	0.061	0.051	0.015	0.035	0.021 U
Nickel	7.8	7.5	15	15	21	16	8.1	9.5	5.4
Potassium	390	130	840	870	1200	920	360	500	160
Selenium	1.2 U	1.1 U	1.7 U	1.6 U	2.2 U	2 U	1.2 U	1.3 U	1.2 U
Silver	1.2 U	1.1 U	1.7 U	1.6 U	2.2 U	2 U	1.2 U	1.3 U	1.2 U
Sodium	67	31	220 U	210 U	260 U	250 U	110 U	180 U	80 U
Thallium	1.2 UJ	1.1 UJ	1.7 U	1.6 U	2.2 UJ	2 U	1.2 UJ	1.3 U	1.2 UJ
Vanadium	8.5	4	18	19	25	20	7.6	11	3.7
Zinc	86	13	110	160	260	210	91	130	9.4

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-8
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 9060/9040 Total Organic Carbon and pH

Sample ID Sample Date Units Compound	P11S 11/18/2002 units	P12S 11/18/2002 units	R1AD1S 11/15/2002 units	R1AM1S 11/15/2002 units	R1AU1S 11/16/2002 units	R1BD1S 11/15/2002 units	R1BM1S 11/16/2002 units	R1BM2S 11/15/2002 units	R1BM2S-DUP 11/16/2002 units	R1BU1S 11/16/2002 units	R1CM1S 11/16/2002 units	R2AD1S 11/13/2002 units	R2AM1S 11/14/2002 units
pH	7	7.1	7	7.3	7.3	7	7.3	NR	7.3	7.4	7.3	7.5	7

Sample ID Sample Date Units Compound	P11S 11/18/2002 mg/kg	P12S 11/18/2002 mg/kg	R1AD1S 11/15/2002 mg/kg	R1AM1S 11/15/2002 mg/kg	R1AU1S 11/16/2002 mg/kg	R1BD1S 11/15/2002 mg/kg	R1BM1S 11/16/2002 mg/kg	R1BM2S 11/15/2002 mg/kg	R1BM2S-DUP 11/16/2002 mg/kg	R1BU1S 11/16/2002 mg/kg	R1CM1S 11/16/2002 mg/kg	R2AD1S 11/13/2002 mg/kg	R2AM1S 11/14/2002 mg/kg
Total Organic Carbon	17000	17000	13000	2700	500 U	500 U	500 U	NR	500 U	500 U	500 U	19000	14000

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-8
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 9060/9040 Total Organic Carbon and pH

Sample ID	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S
Sample Date	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002
Units	units	units	units	units	units	units	units	units	units	units	units	units	units
Compound													
pH	7.3	7.4	7.8	7.4	6.9	7.5	7.8	7.4	7.1	8.5	7.7	7.2	7.7

Sample ID	R2AM2S	R2AU1S	R2BD1S	R2BM1S	R2BU1S	R2CM1S	R3AD1S	R3AM1S	R3AU1S	R3BD1S	R3BM1S	R3BU1S	R3CM1S
Sample Date	11/14/2002	11/14/2002	11/13/2002	11/14/2002	11/15/2002	11/14/2002	11/12/2002	11/12/2002	11/13/2002	11/12/2002	11/12/2002	11/13/2002	11/13/2002
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound													
Total Organic Carbon	11000	500 U	500 U	500 U	500 U	500 U	4000	20000	19000	500 U	19000	5800	3500

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-8
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 9060/9040 Total Organic Carbon and pH

Sample ID Sample Date Units Compound	R4AD1S 11/10/2002 units	R4AM1S 11/10/2002 units	R4AU1S 11/11/2002 units	R4BD1S 11/10/2002 units	R4BM1S 11/11/2002 units	R4BU1S 11/11/2002 units	R4CM1S 11/11/2002 units	R4CM2S 11/11/2002 units	R5AM1S 11/08/2002 units	R5AM3S 11/08/2002 units	R5AN1S 11/17/2002 units	R5AU1S 11/08/2002 units	R5BM1S 11/09/2002 units
pH	7.5	7.9	7.5	7.5	7.5	7.5	7.5	7.4	7.9	7.9	7.3	7.5	7.4

Sample ID Sample Date Units Compound	R4AD1S 11/10/2002 mg/kg	R4AM1S 11/10/2002 mg/kg	R4AU1S 11/11/2002 mg/kg	R4BD1S 11/10/2002 mg/kg	R4BM1S 11/11/2002 mg/kg	R4BU1S 11/11/2002 mg/kg	R4CM1S 11/11/2002 mg/kg	R4CM2S 11/11/2002 mg/kg	R5AM1S 11/08/2002 mg/kg	R5AM3S 11/08/2002 mg/kg	R5AN1S 11/17/2002 mg/kg	R5AU1S 11/08/2002 mg/kg	R5BM1S 11/09/2002 mg/kg
Total Organic Carbon	500 U	500 U	2800	2400	500 U	500 U	500 U	500 U	1000	3200	2400	4100	500 U

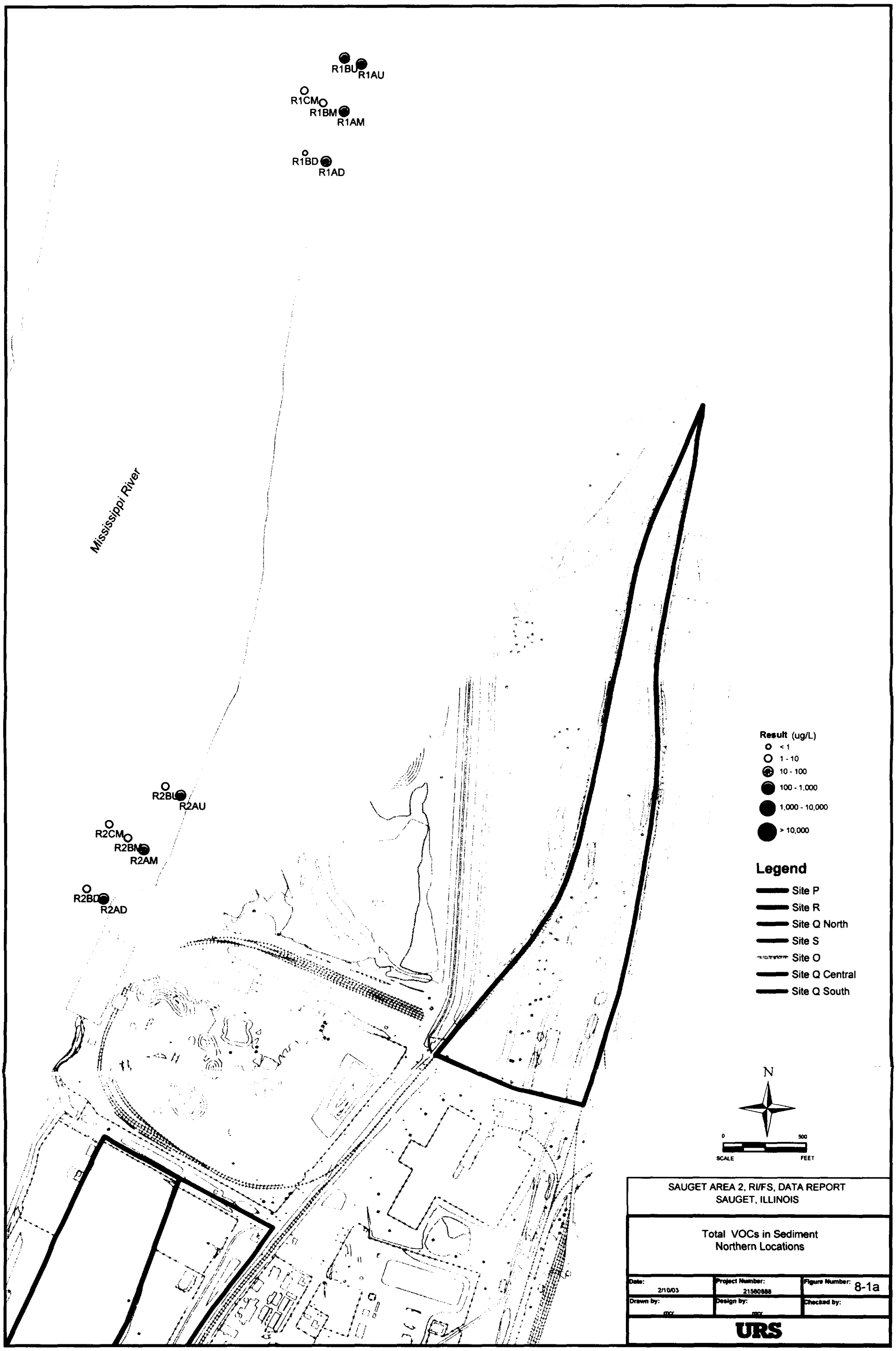
DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported

Table 8-8
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 9060/9040 Total Organic Carbon and pH

Sample ID	R5BN1S	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/17/2002	11/09/2002	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	units	units	units	units	units	units	units	units	units	units
Compound										
pH	7.1	7.1	6.9	7.5	7.1	7.1	7.2	7.5	7.5	7.6

Sample ID	R5BN1S	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S	R6AU1S	R6BM1S	R6BU1S	R6CM1S
Sample Date	11/17/2002	11/09/2002	11/09/2002	11/06/2002	11/07/2002	11/07/2002	11/06/2002	11/07/2002	11/06/2002	11/07/2002
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound										
Total Organic Carbon	9500	11000	500 U	6600	20000	15000	14000	500 U	11000	500 U

DATA QUALIFIER CODES: R = rejected; U = not detected; J = estimated value; NR = not reported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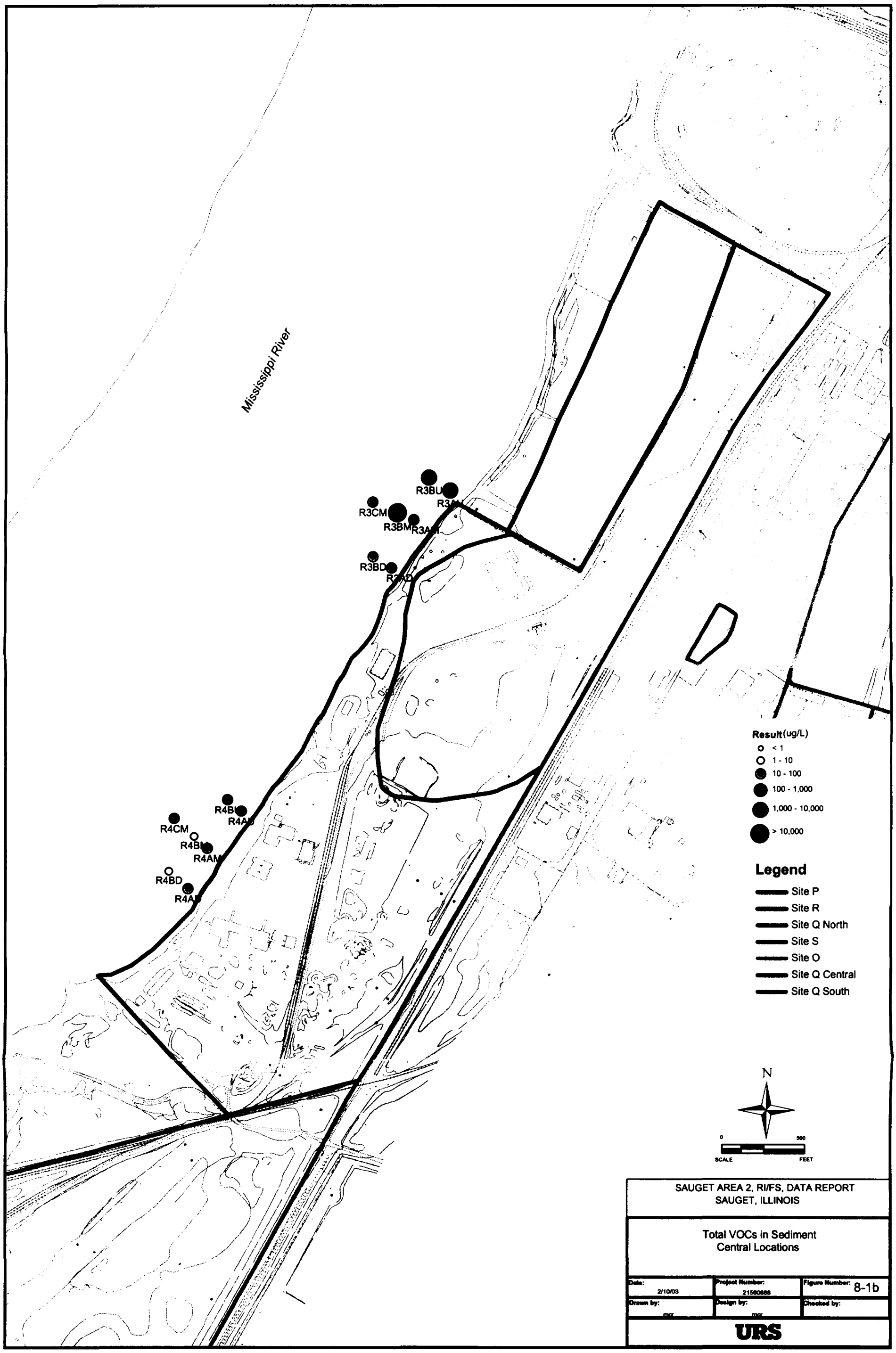
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R4BD
R4AD
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SAUGET, ILLINOIS
Total VOCs in Sediment
Central Locations
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2/10/03
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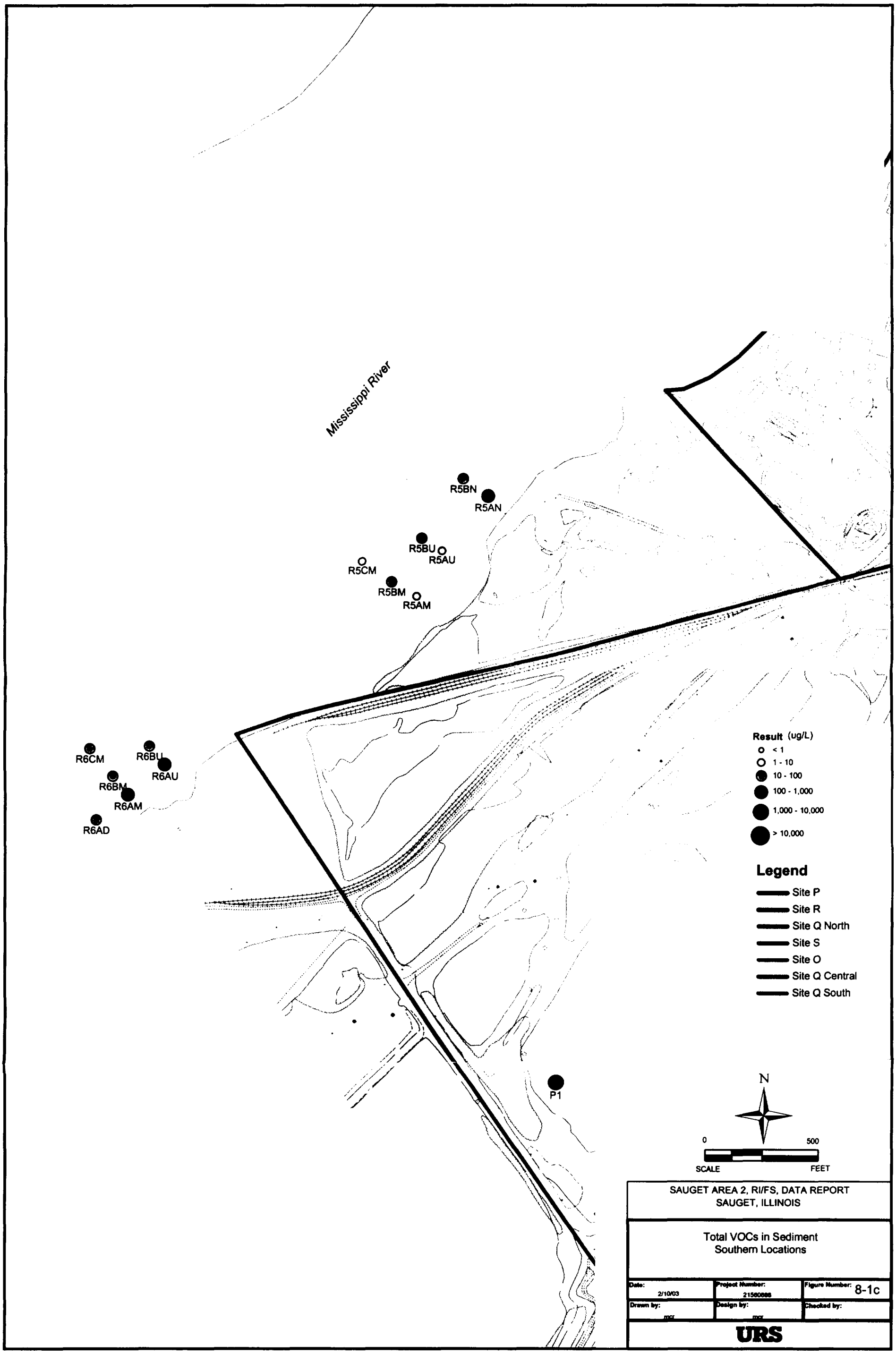
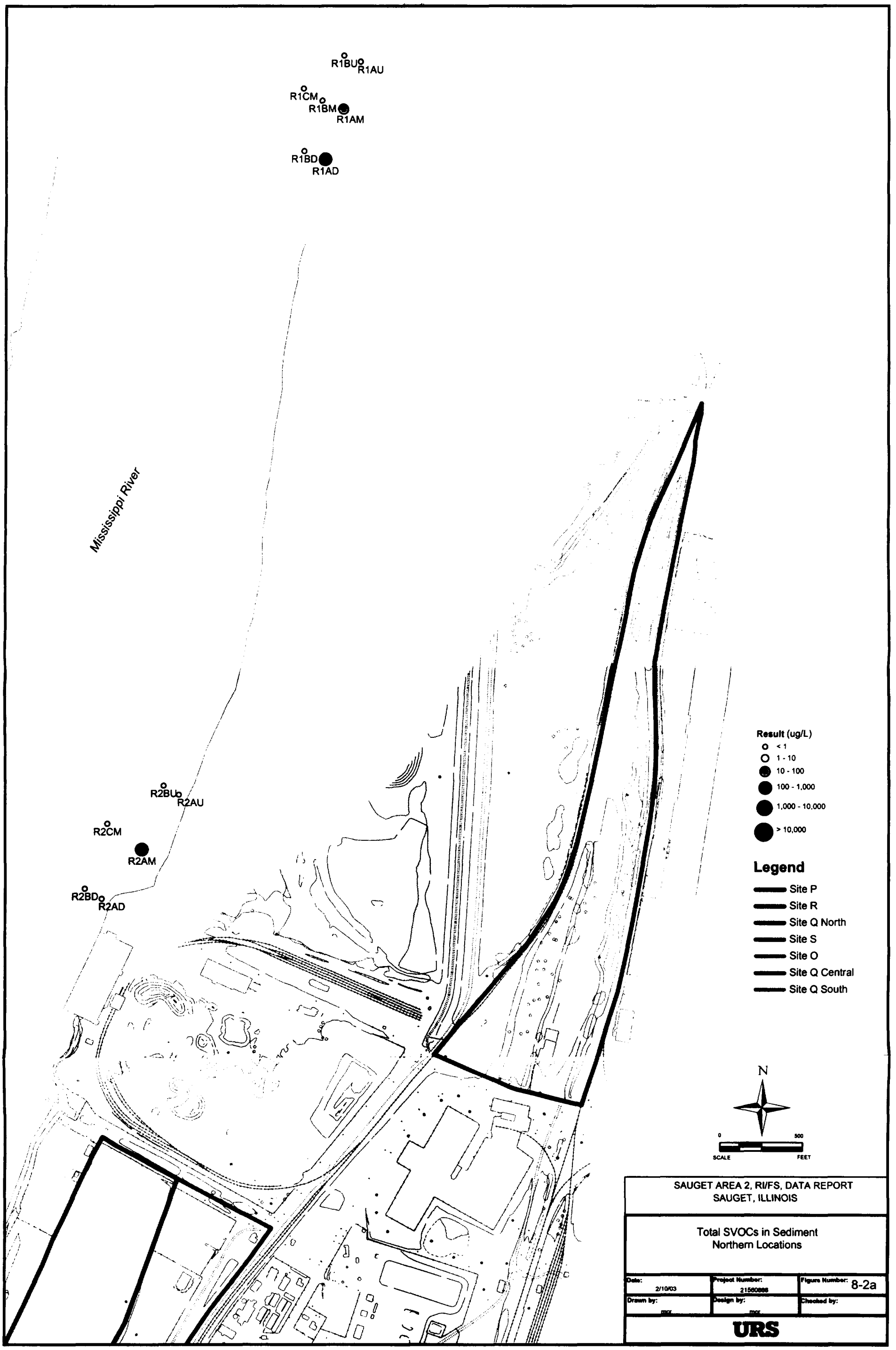
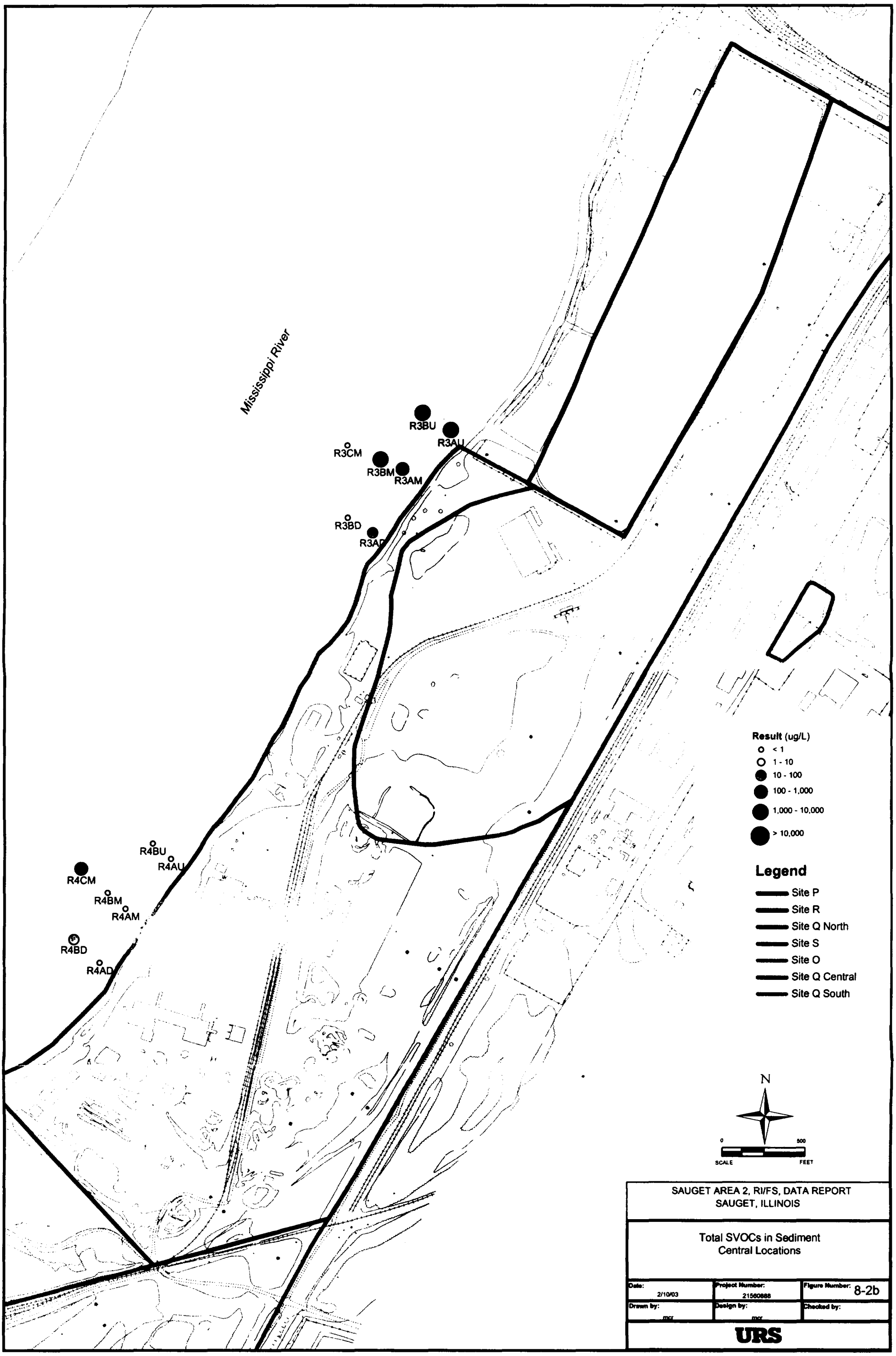
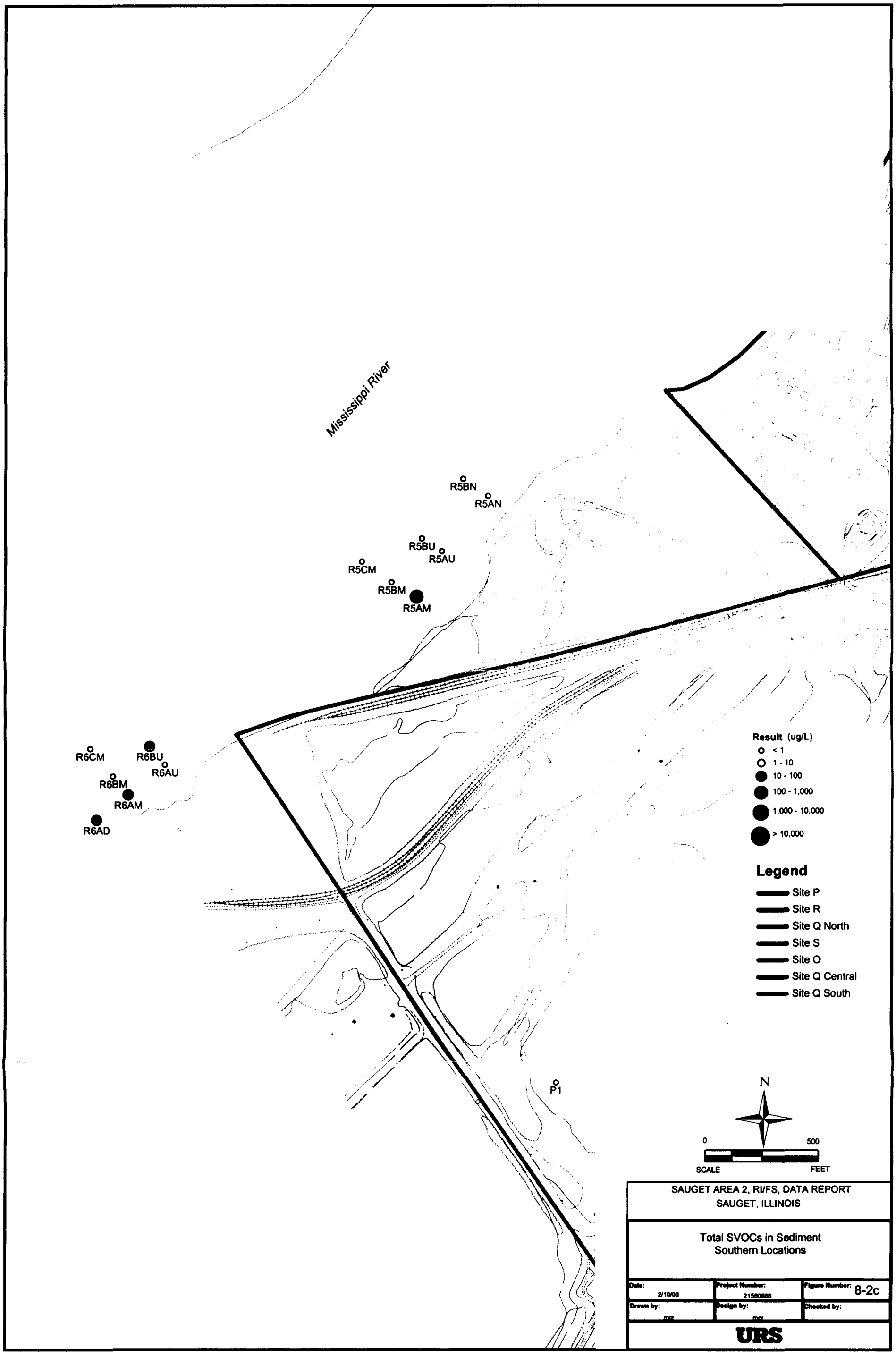
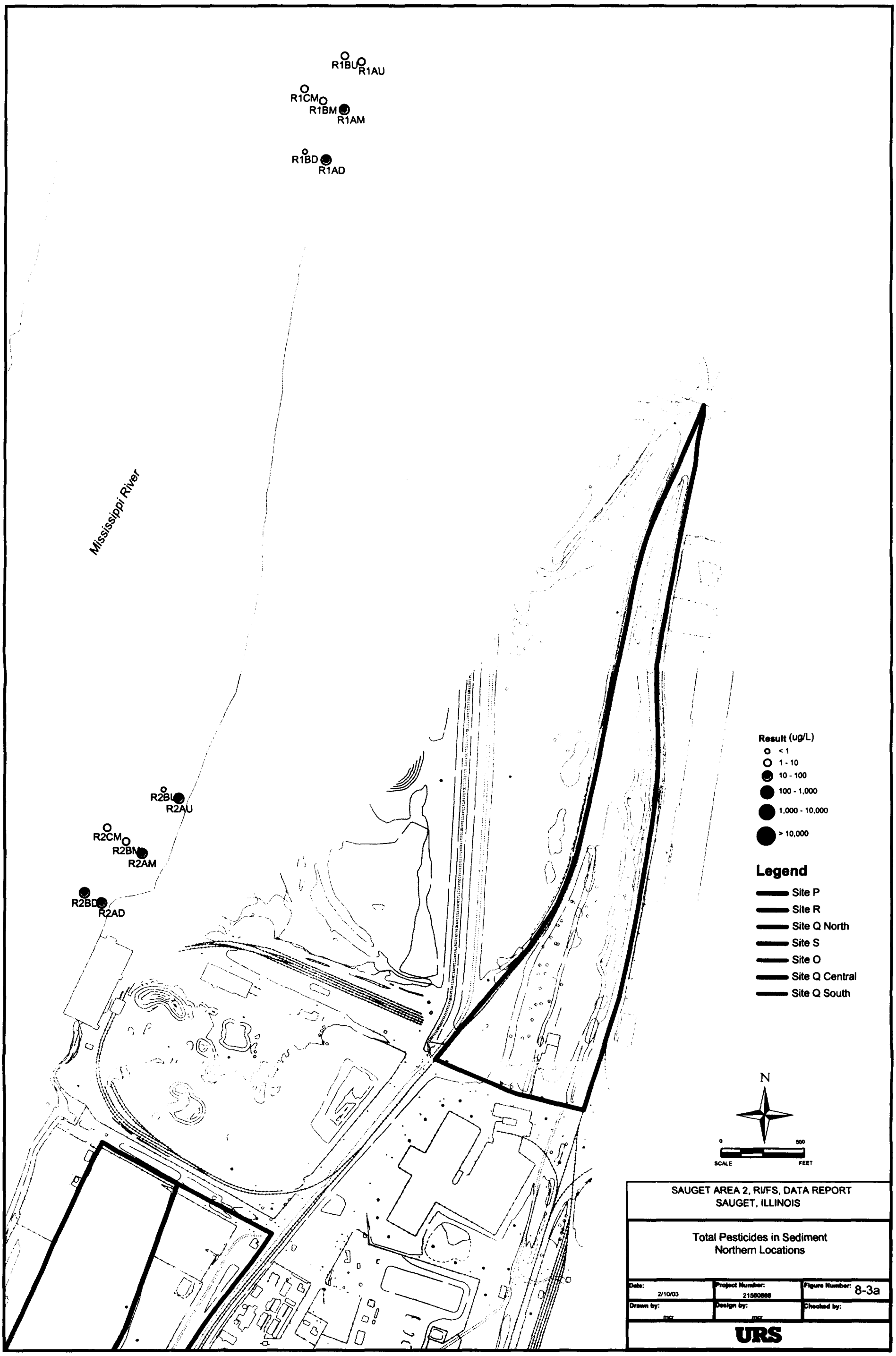
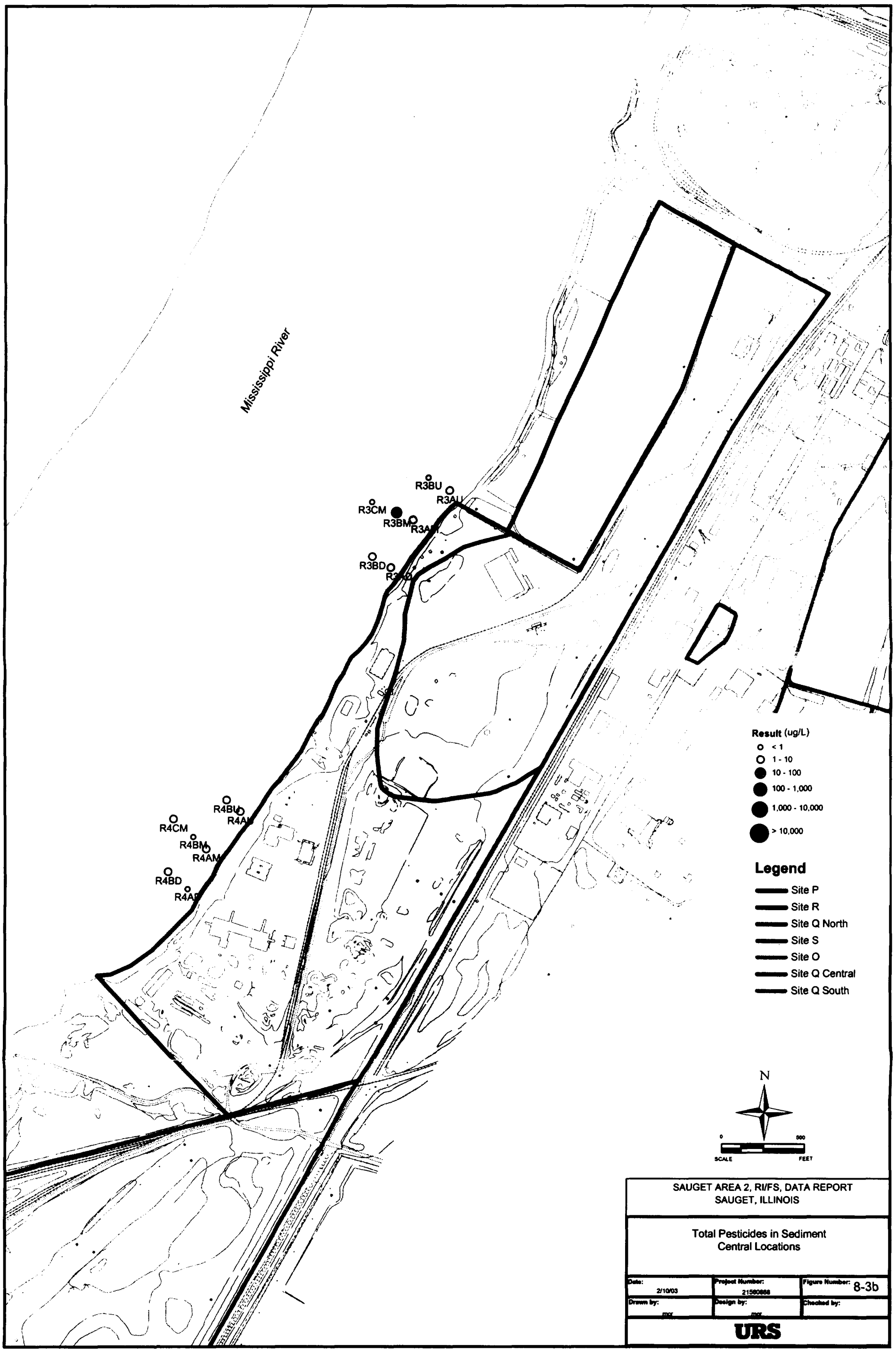

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total VOCs in Sediment
Southern Locations
Date:
2/10/03
Project Number:
21560686
Figure Number:
8-1c
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

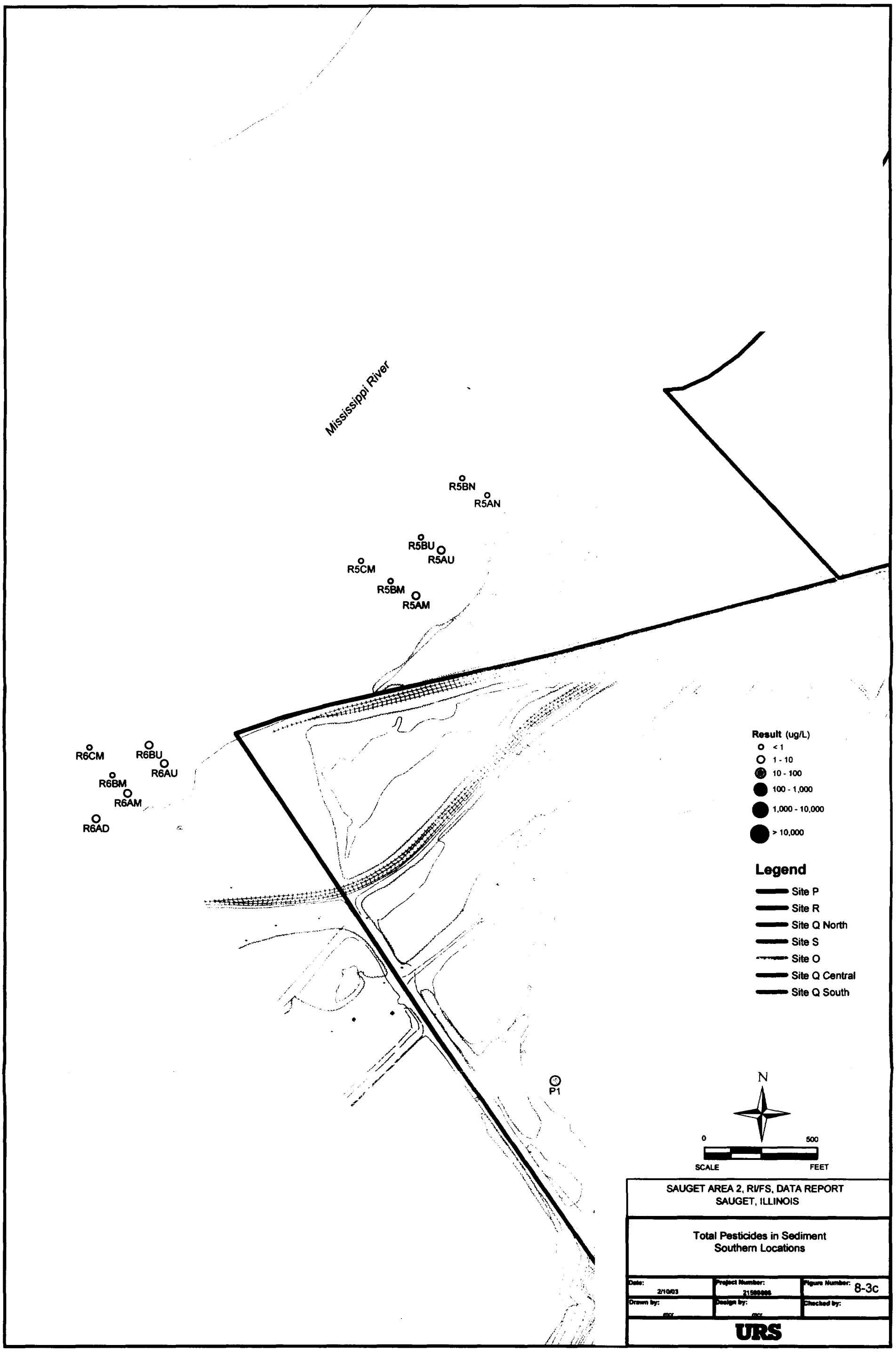

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2AM
R2BD
R2AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Sediment
Northern Locations
Date:
2/10/03
Project Number:
21560866
Figure Number:
8-2a
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

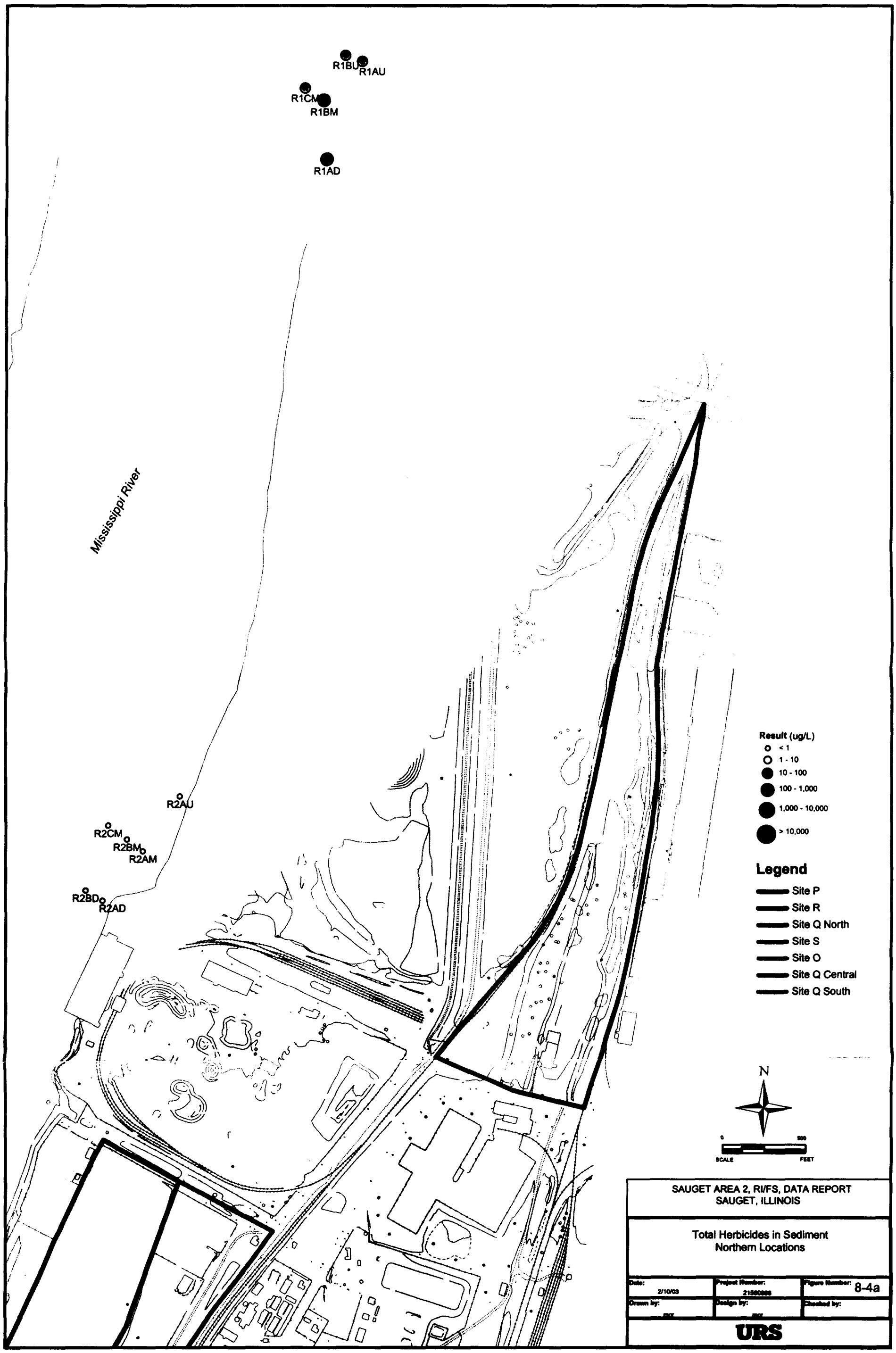

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Sediment
Central Locations
Date:
2/10/03
Project Number:
21560888
Figure Number:
8-2b
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

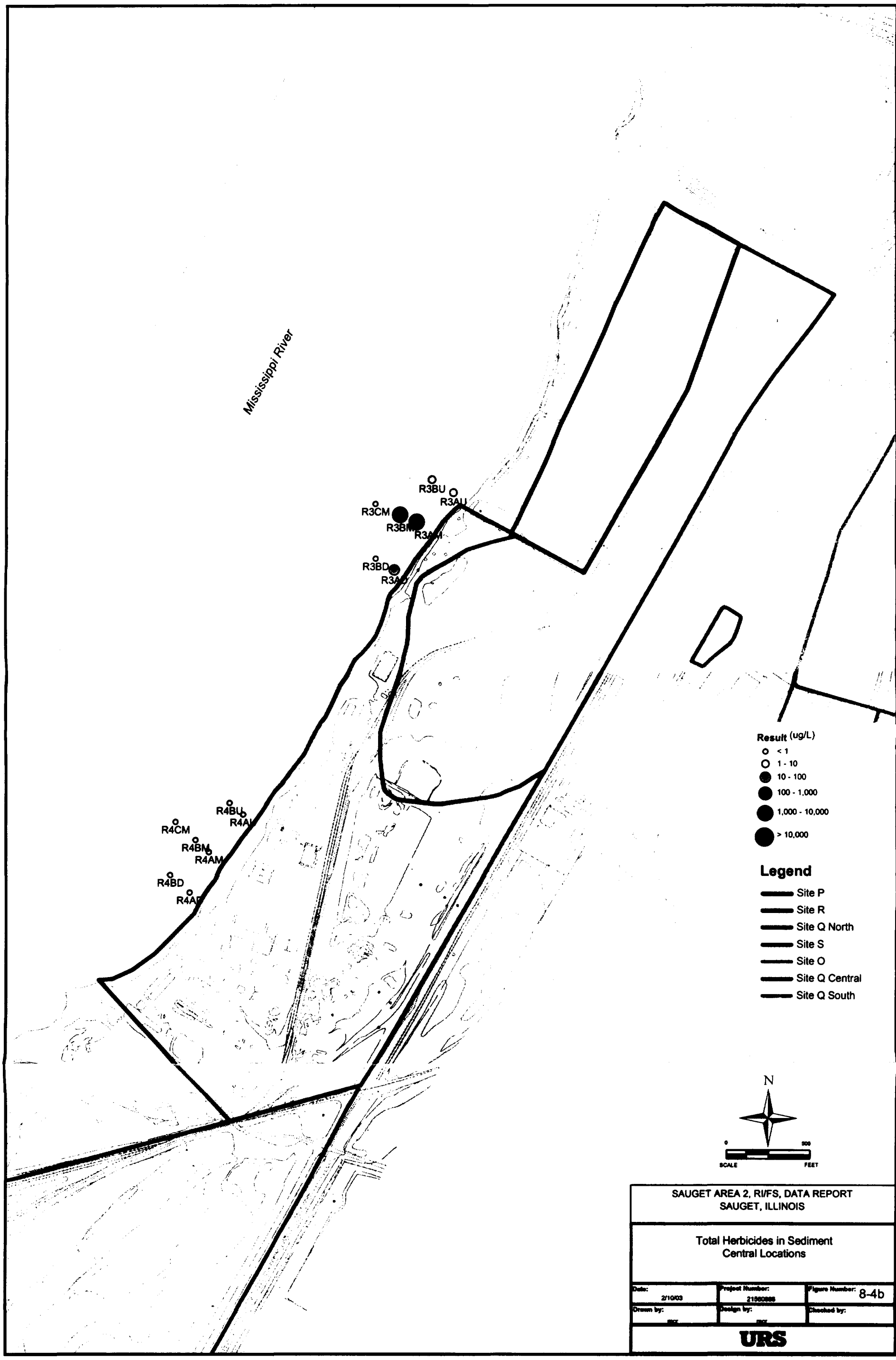

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total SVOCs in Sediment
Southern Locations
Date:
2/10/03
Project Number:
21560888
Figure Number:
8-2c
Drawn by:
mgr
Design by:
mgr
Checked by:
URS

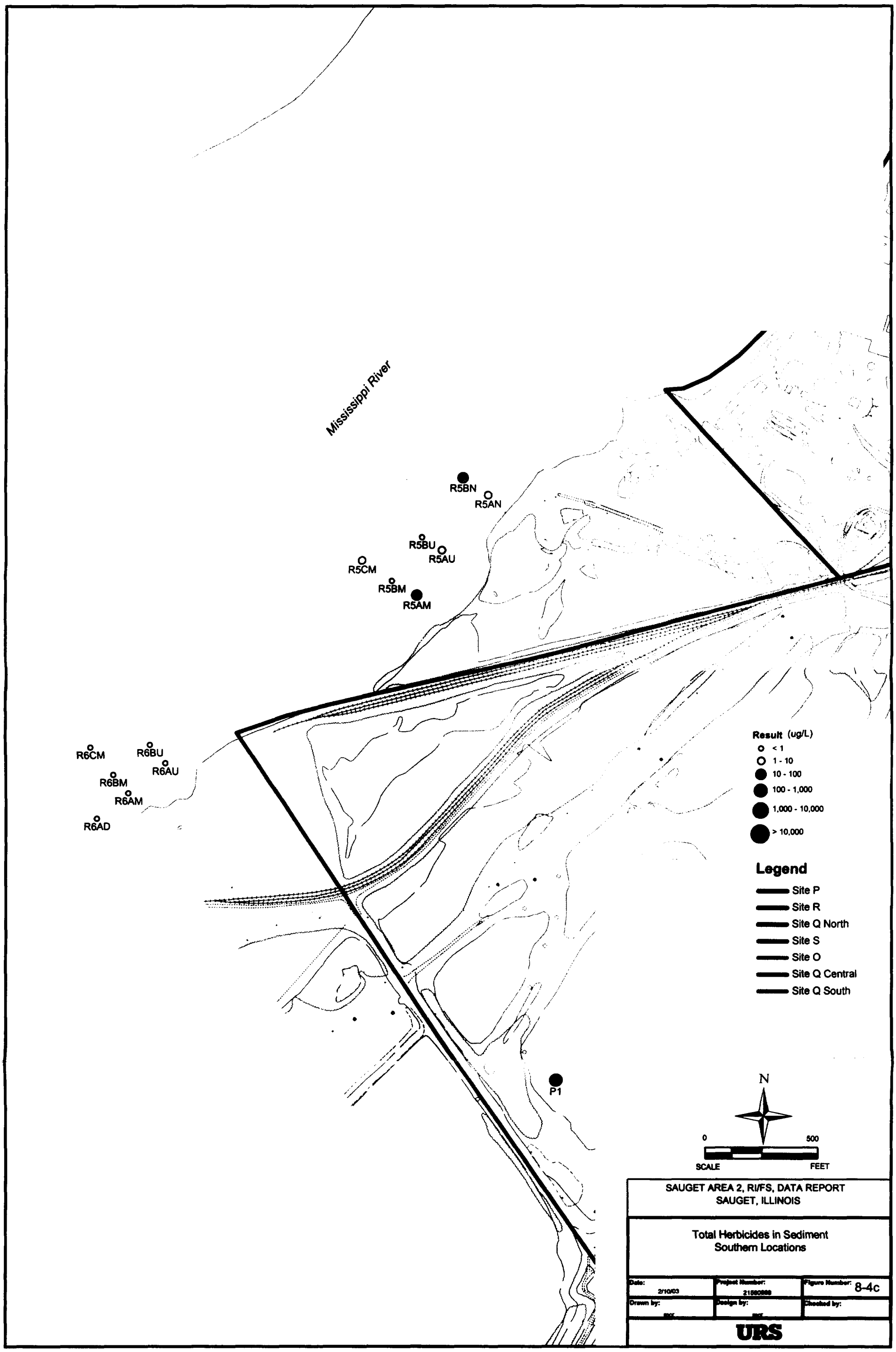

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Sediment
Northern Locations
Date: 2/10/03
Project Number: 21560888
Figure Number: 8-3a
Drawn by: mcr
Design by: mcr
Checked by:
URS

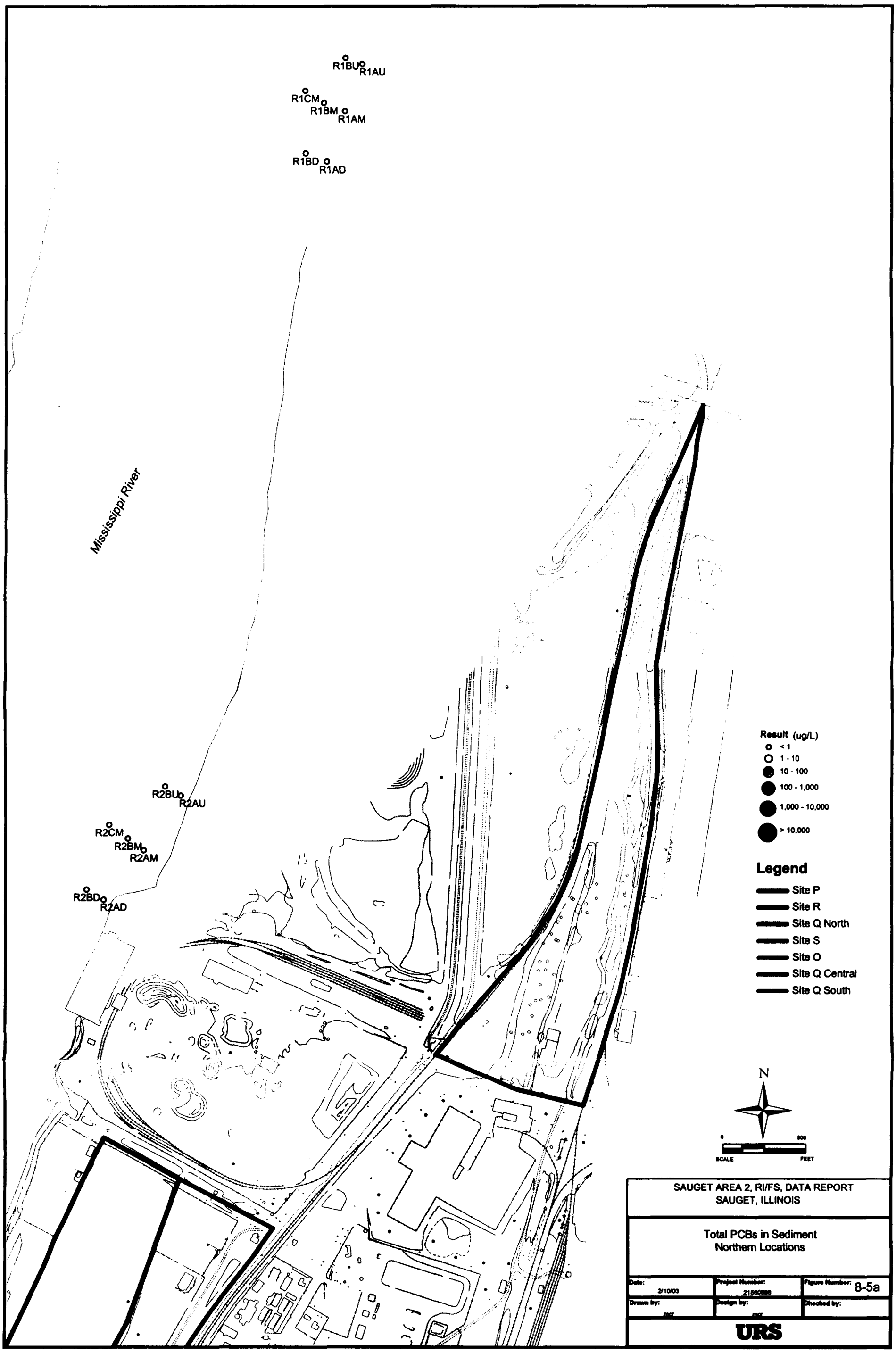

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Sediment
Central Locations
Date:
2/10/03
Project Number:
21560888
Figure Number:
8-3b
Drawn by:
mgr
Design by:
mgr
Checked by:
URS

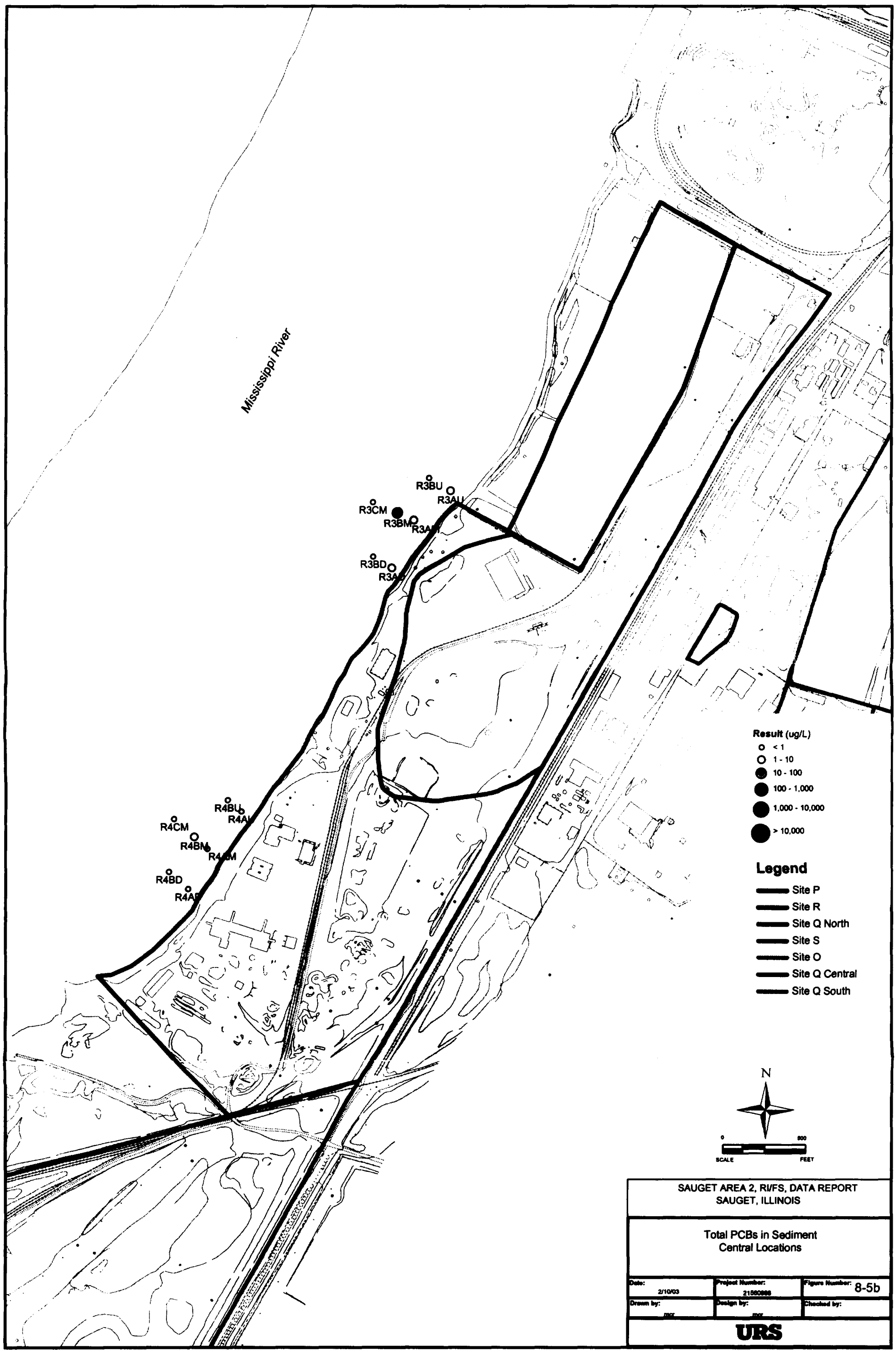

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Pesticides in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-3c
Drawn by:
Design by:
Checked by:
URS

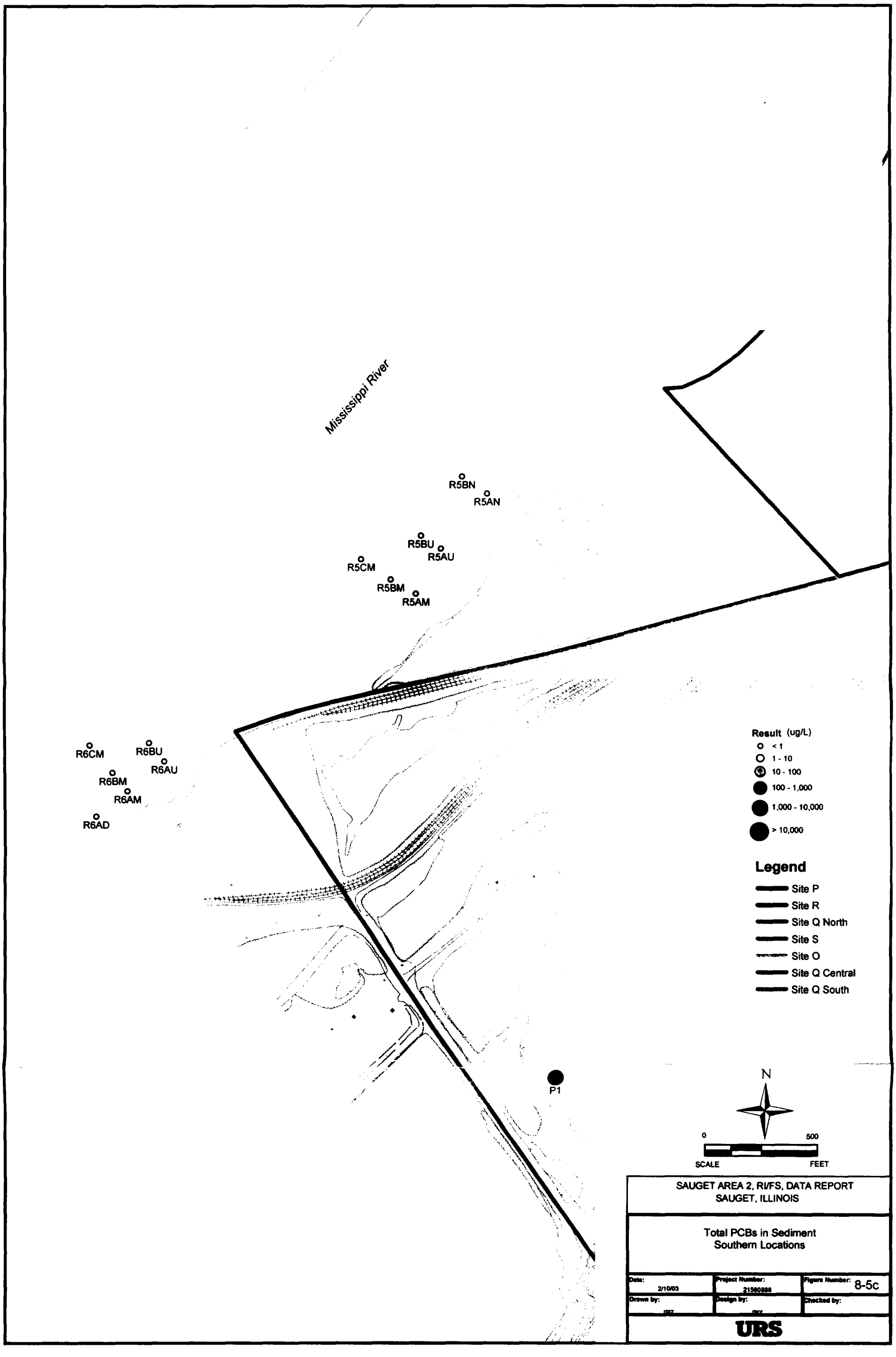

R1BU
R1AU
R1CM
R1BM
R1AD
Mississippi River
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Sediment
Northern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-4a
Drawn by:
Design by:
Checked by:
URS

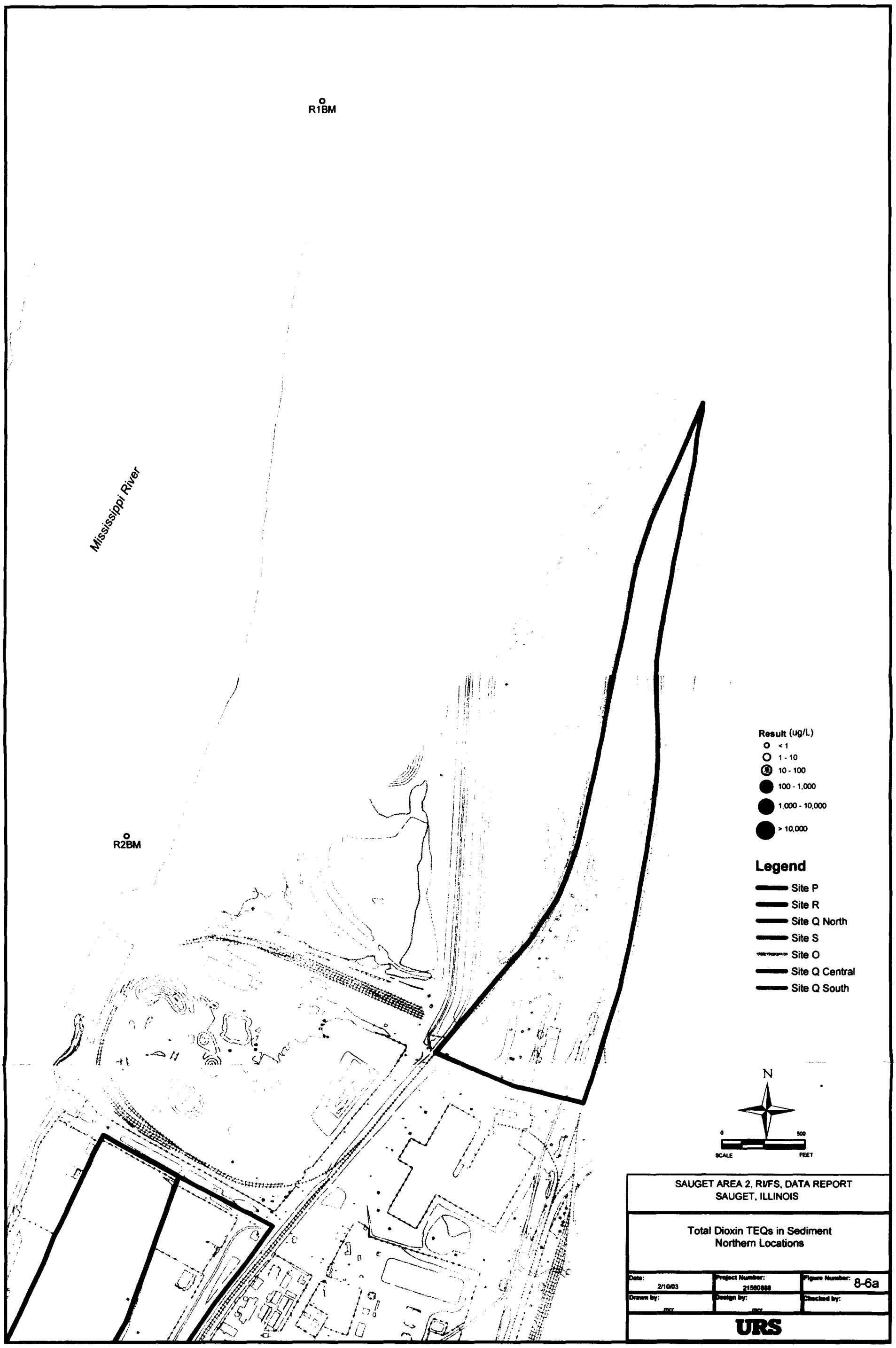

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Sediment
Central Locations
Date:
2/10/03
Project Number:
Figure Number:
8-4b
Drawn by:
Design by:
Checked by:
URS

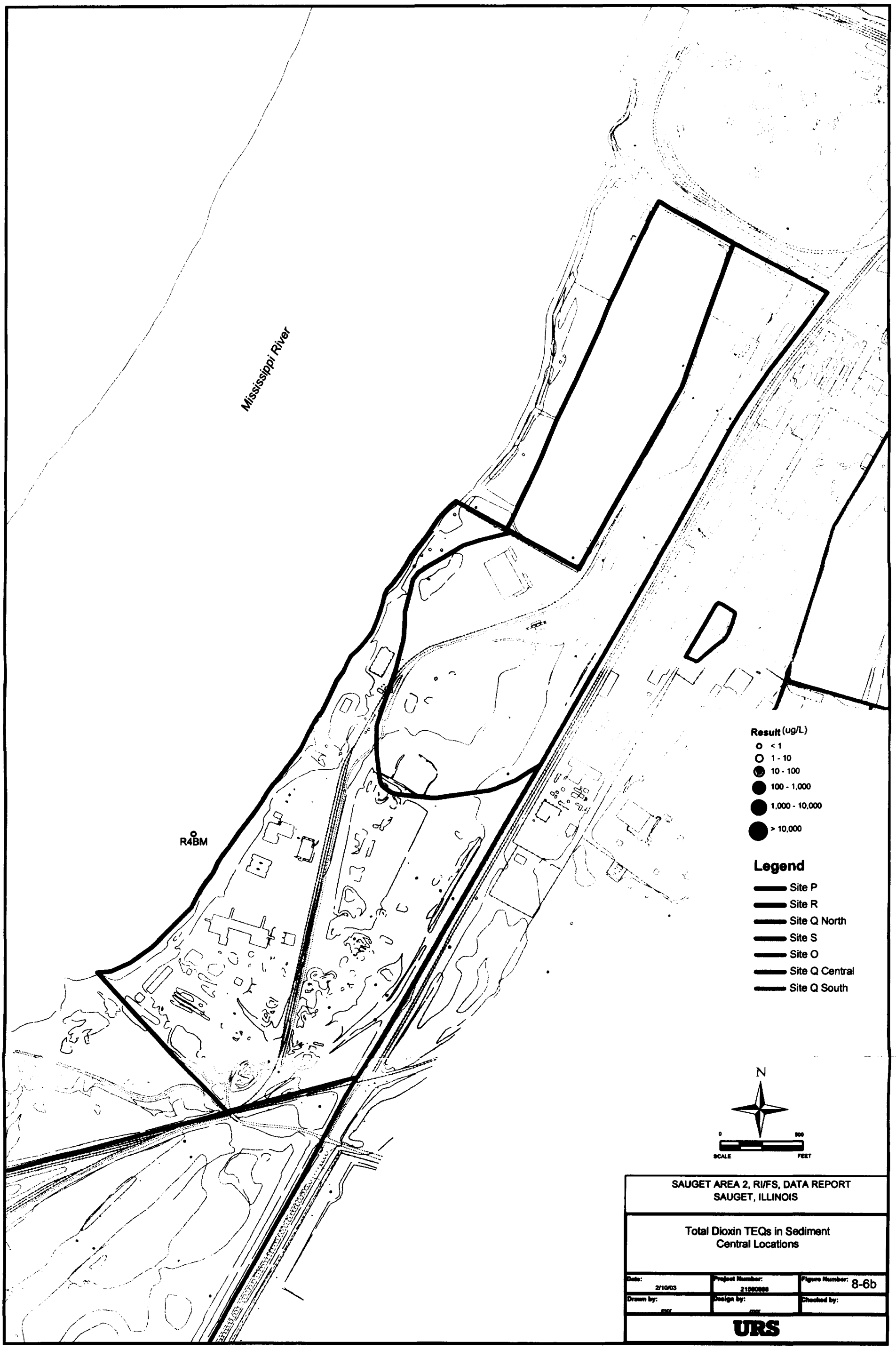

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Herbicides in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-4c
Drawn by:
Design by:
Checked by:
URS

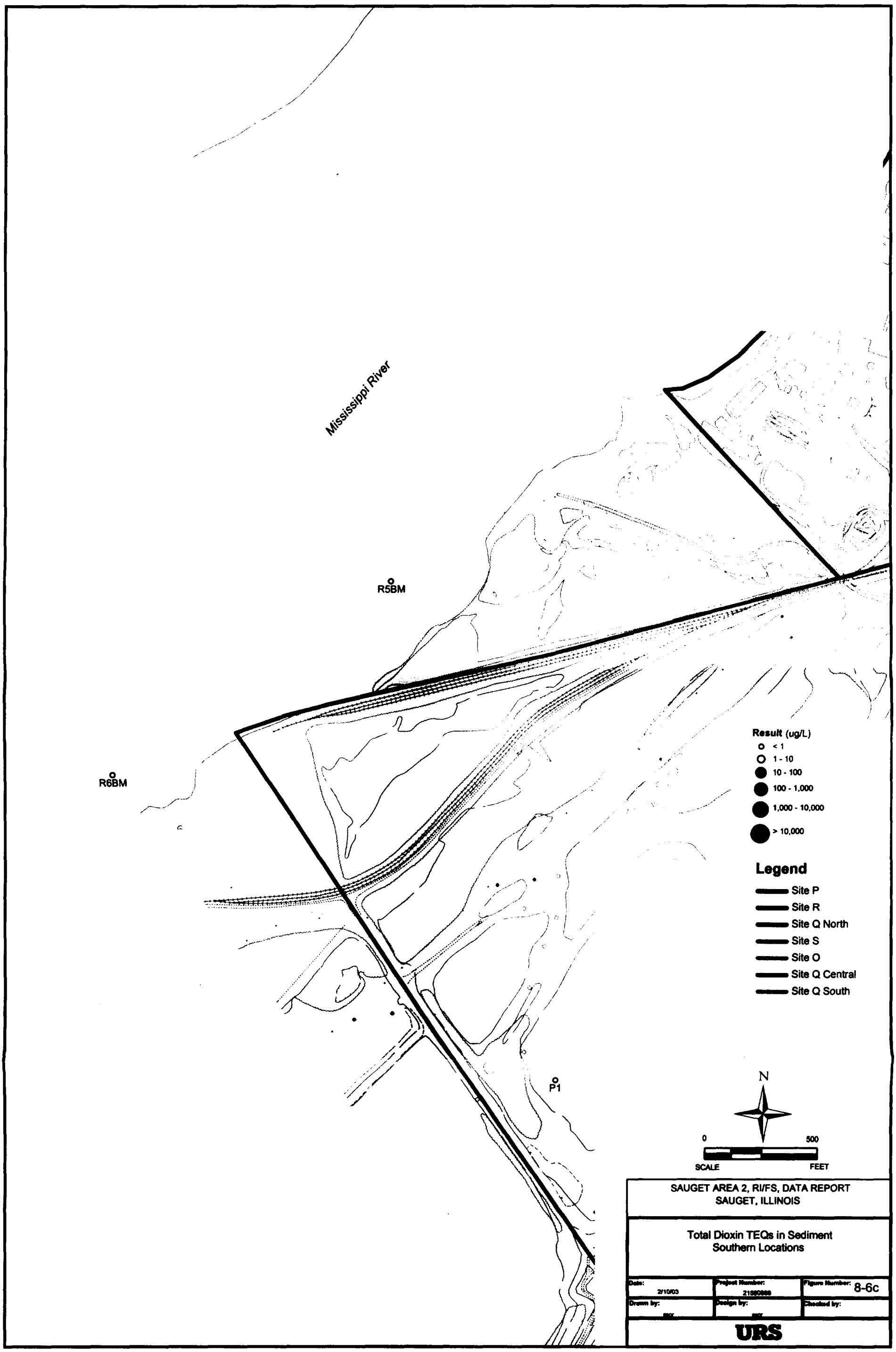

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
800
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Sediment
Northern Locations
Date:
2/10/03
Project Number:
21560986
Figure Number:
8-5a
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

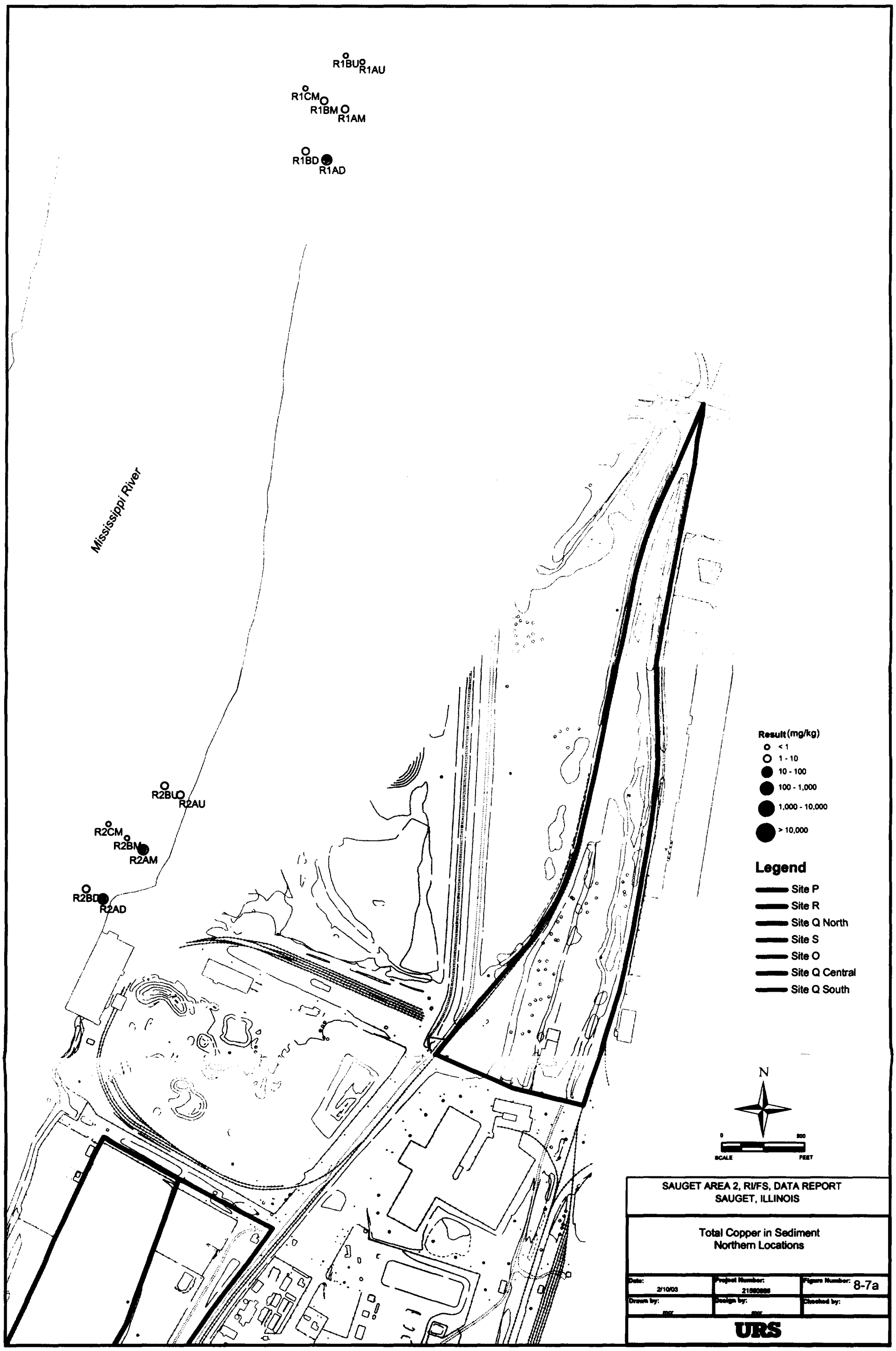

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
800
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Sediment
Central Locations
Date:
2/10/03
Project Number:
21560666
Figure Number:
8-5b
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

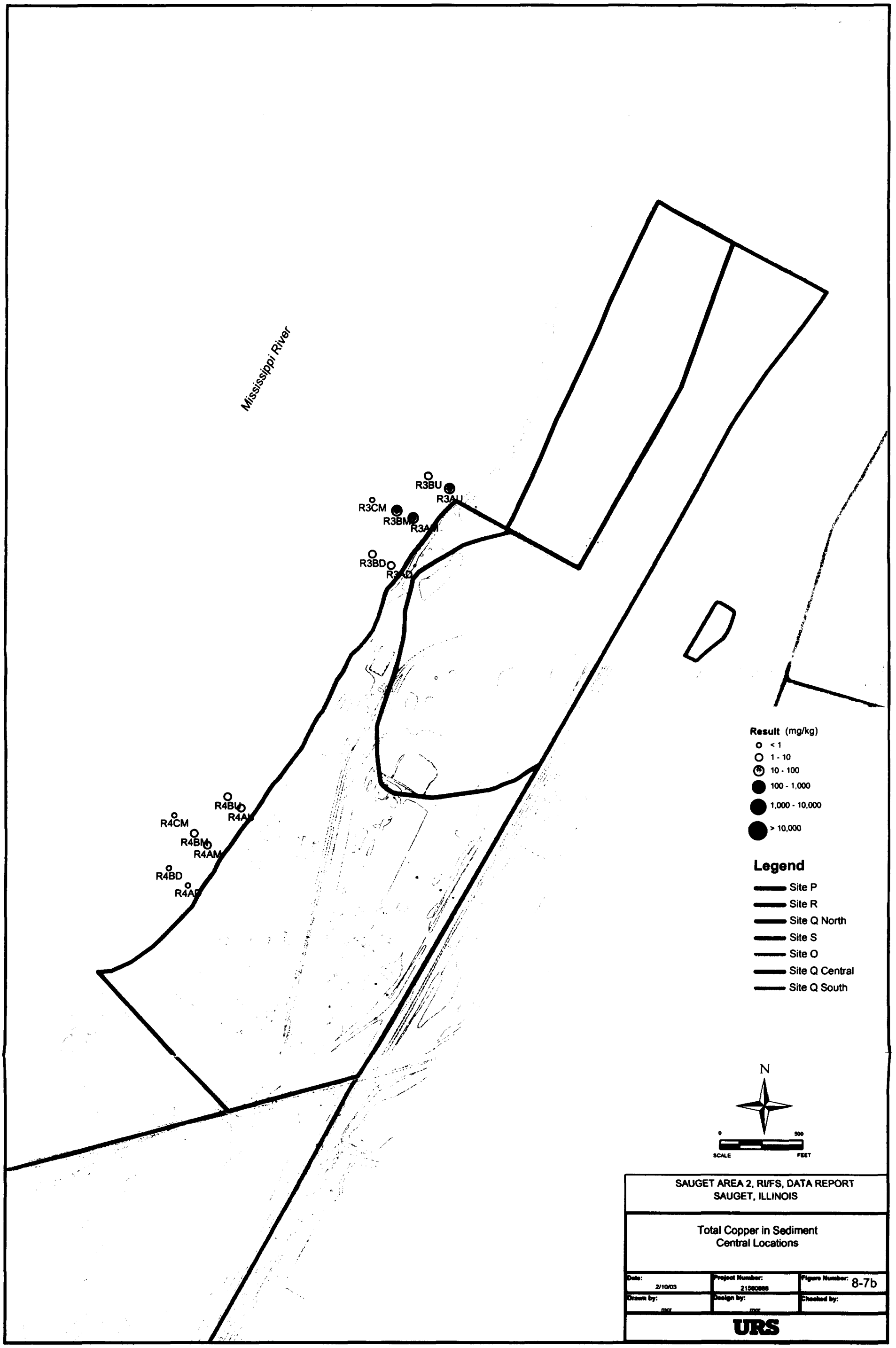

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total PCBs in Sediment
Southern Locations
Date:
2/10/03
Project Number:
21560888
Figure Number:
8-5c
Drawn by:
Design by:
Checked by:
URS

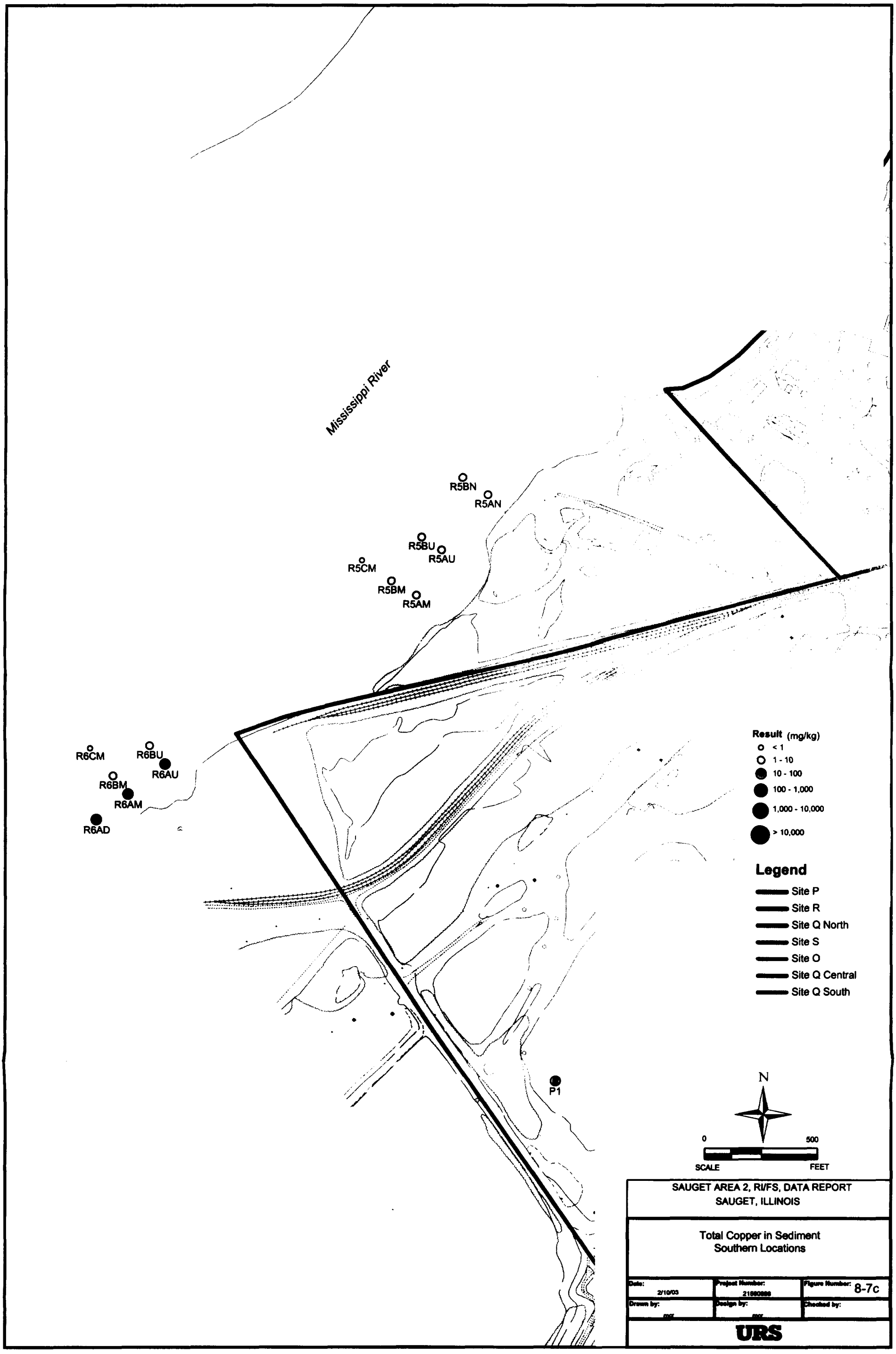

R1BM
Mississippi River
R2BM
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Sediment
Northern Locations
Date:
2/10/03
Project Number:
21500888
Figure Number:
8-6a
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

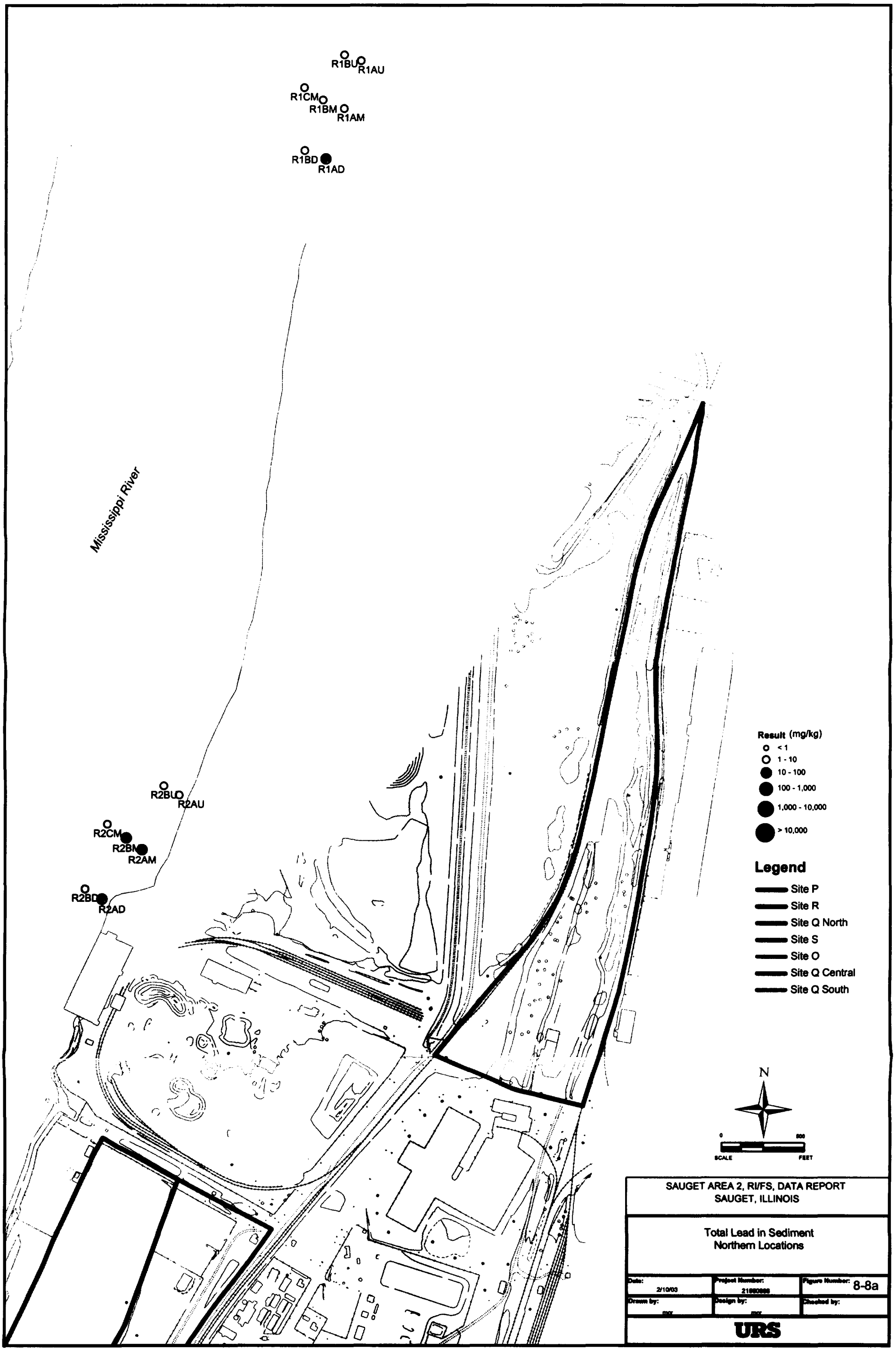

Mississippi River
R4BM
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Sediment
Central Locations
Date:
2/10/03
Project Number:
21580088
Figure Number:
8-6b
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

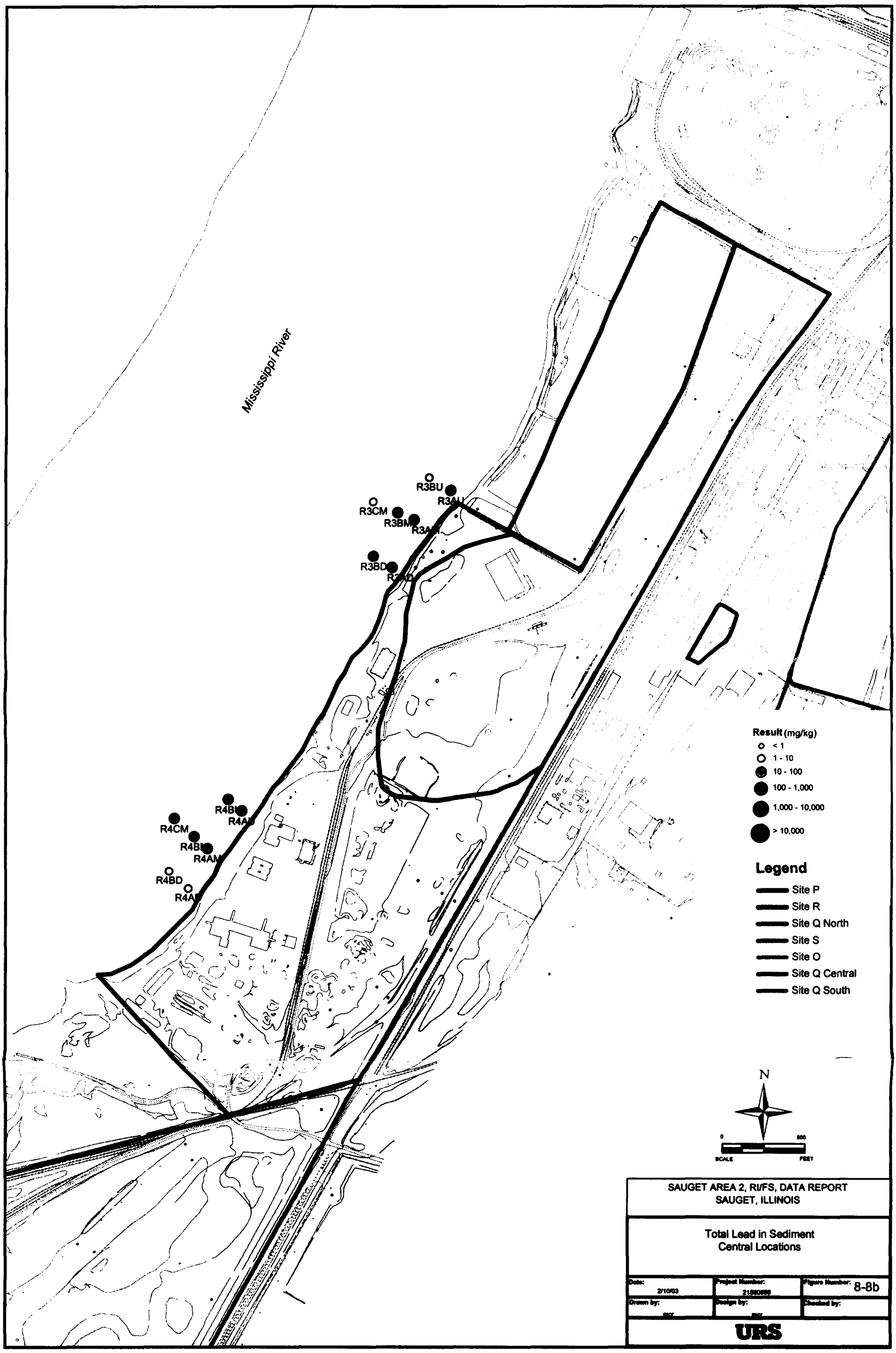

Mississippi River
R5BM
R6BM
P1
Result (ug/L)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Dioxin TEQs in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-6c
Drawn by:
Design by:
Checked by:
URS

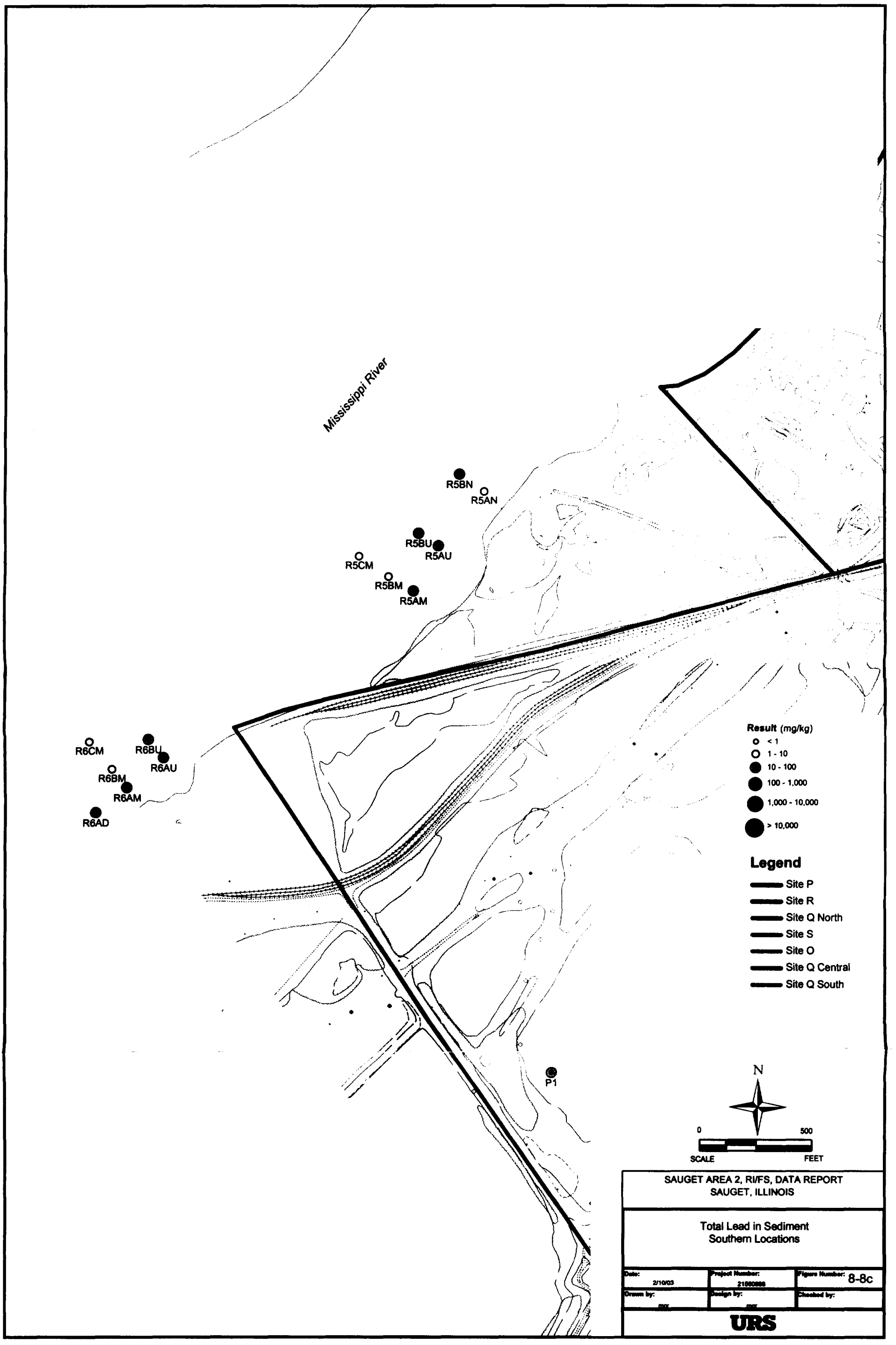

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Sediment
Northern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-7a
Drawn by:
Design by:
Checked by:
URS

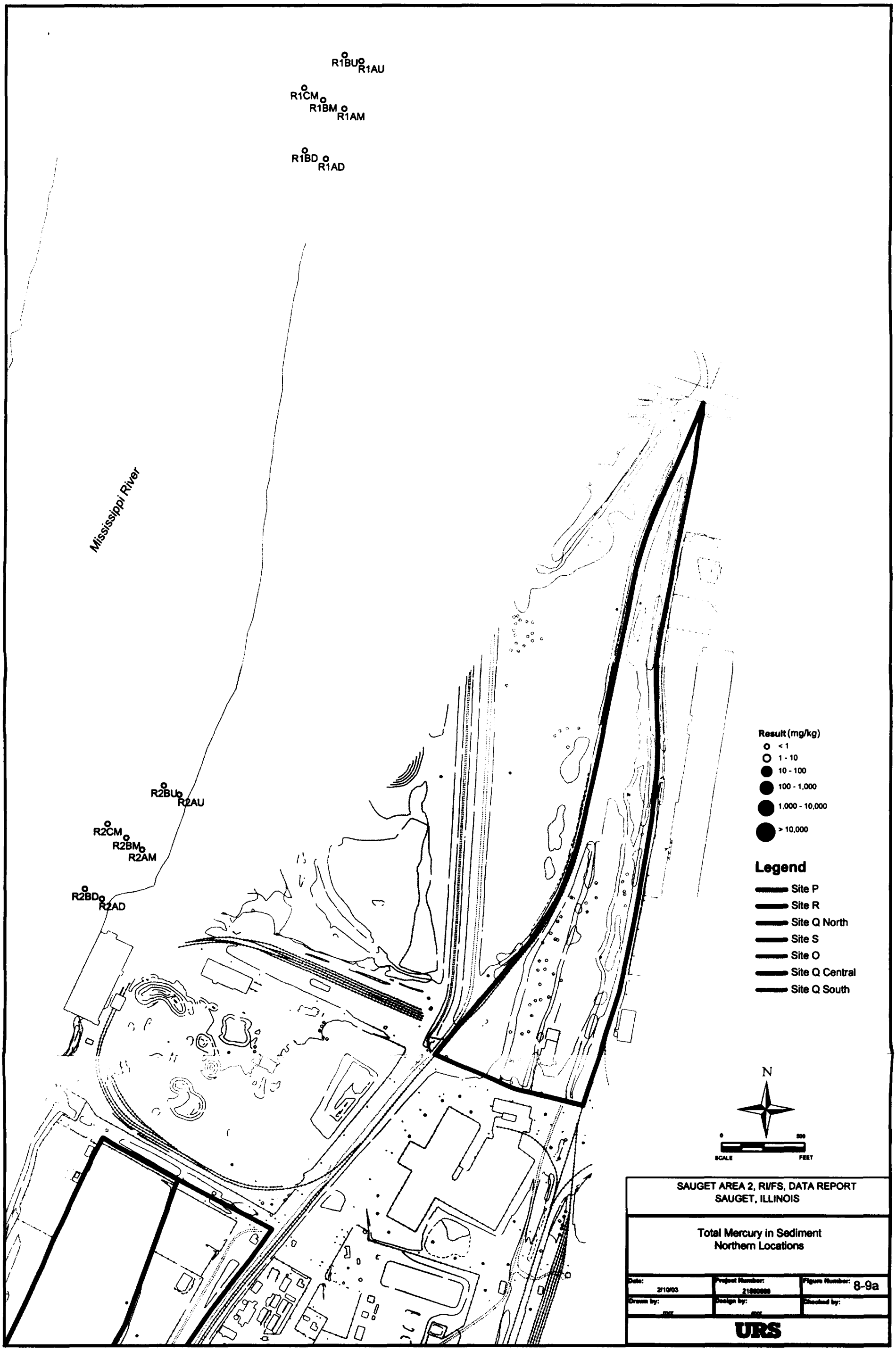

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Sediment
Central Locations
Date:
2/10/03
Project Number:
Figure Number:
8-7b
Drawn by:
mcr
Design by:
mcr
Checked by:
URS

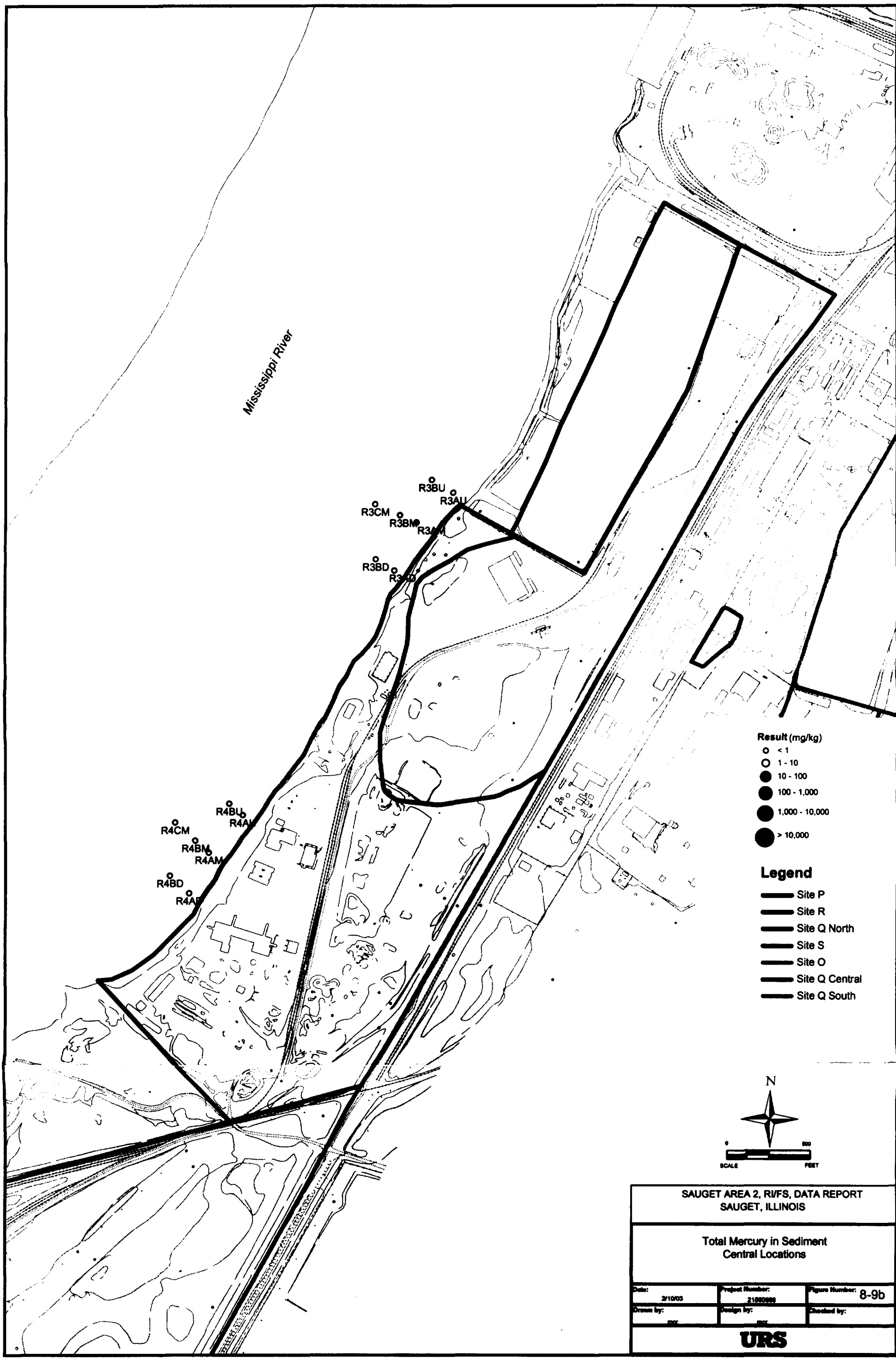

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Copper in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-7c
Drawn by:
Design by:
Checked by:
URS

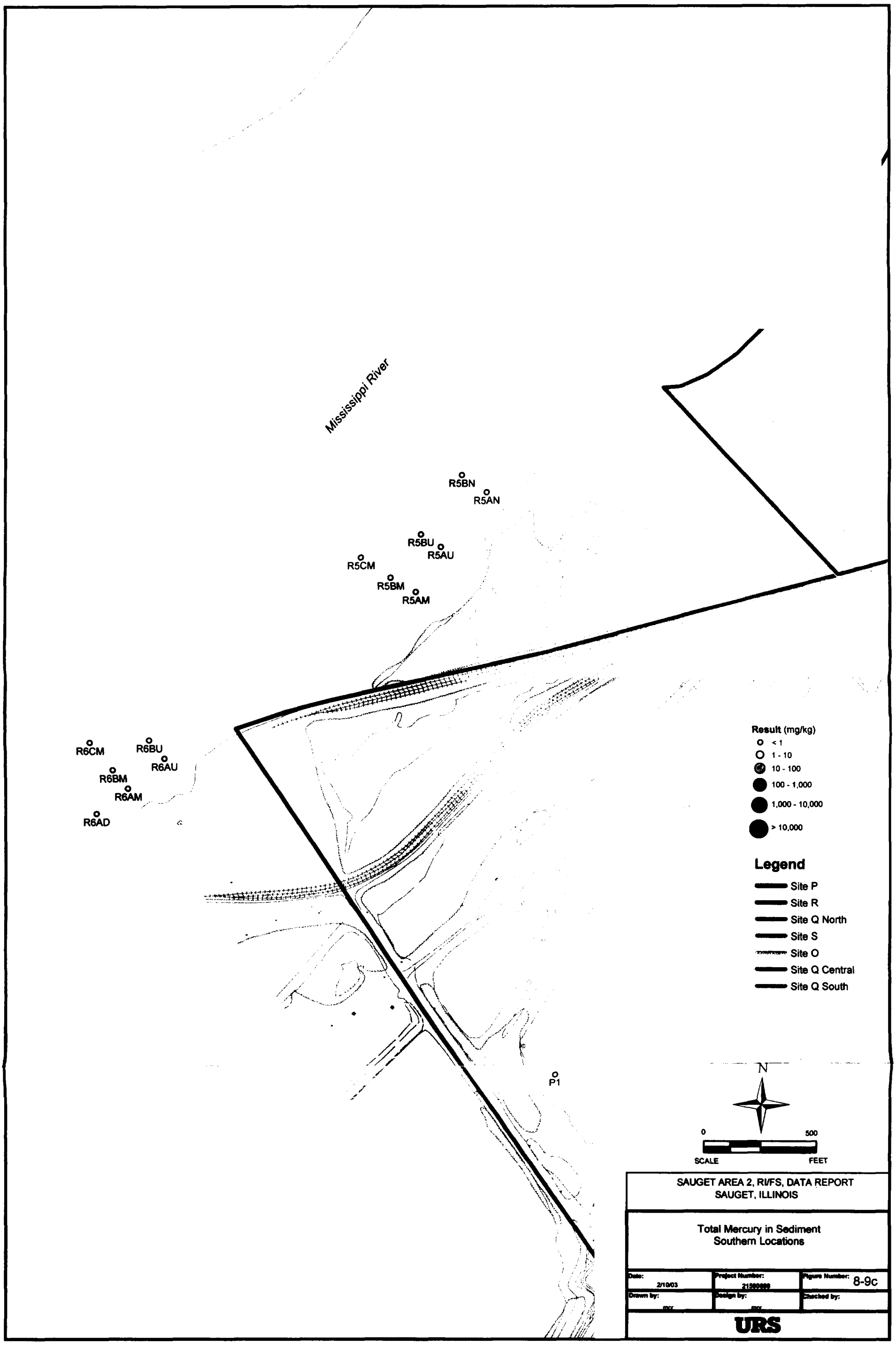

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Sediment
Northern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-8a
Drawn by:
mxr
Design by:
mxr
Checked by:
URS

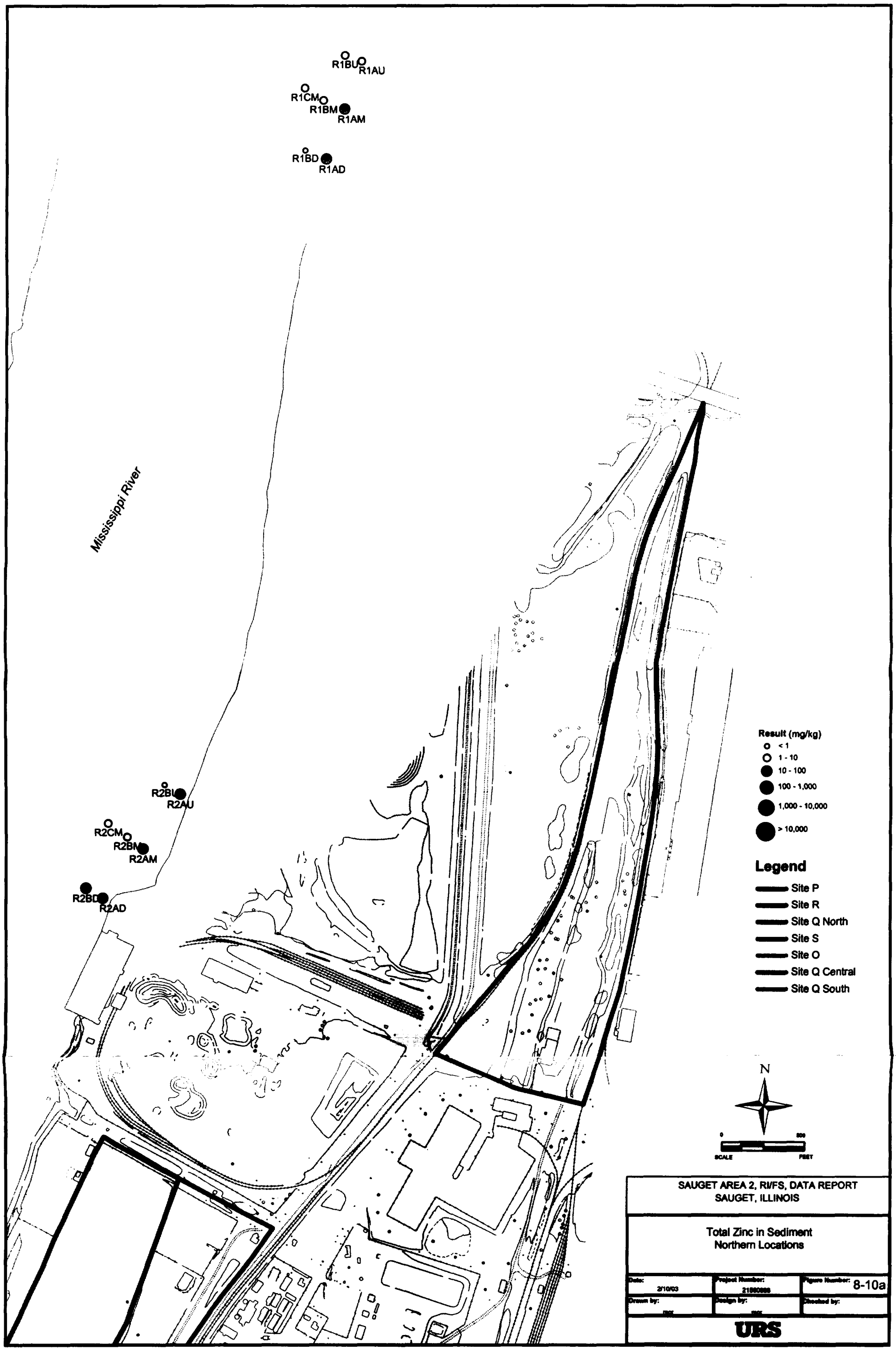

Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Sediment
Central Locations
Date:
2/10/03
Project Number:
Figure Number:
8-8b
Drawn by:
Design by:
Checked by:
URS

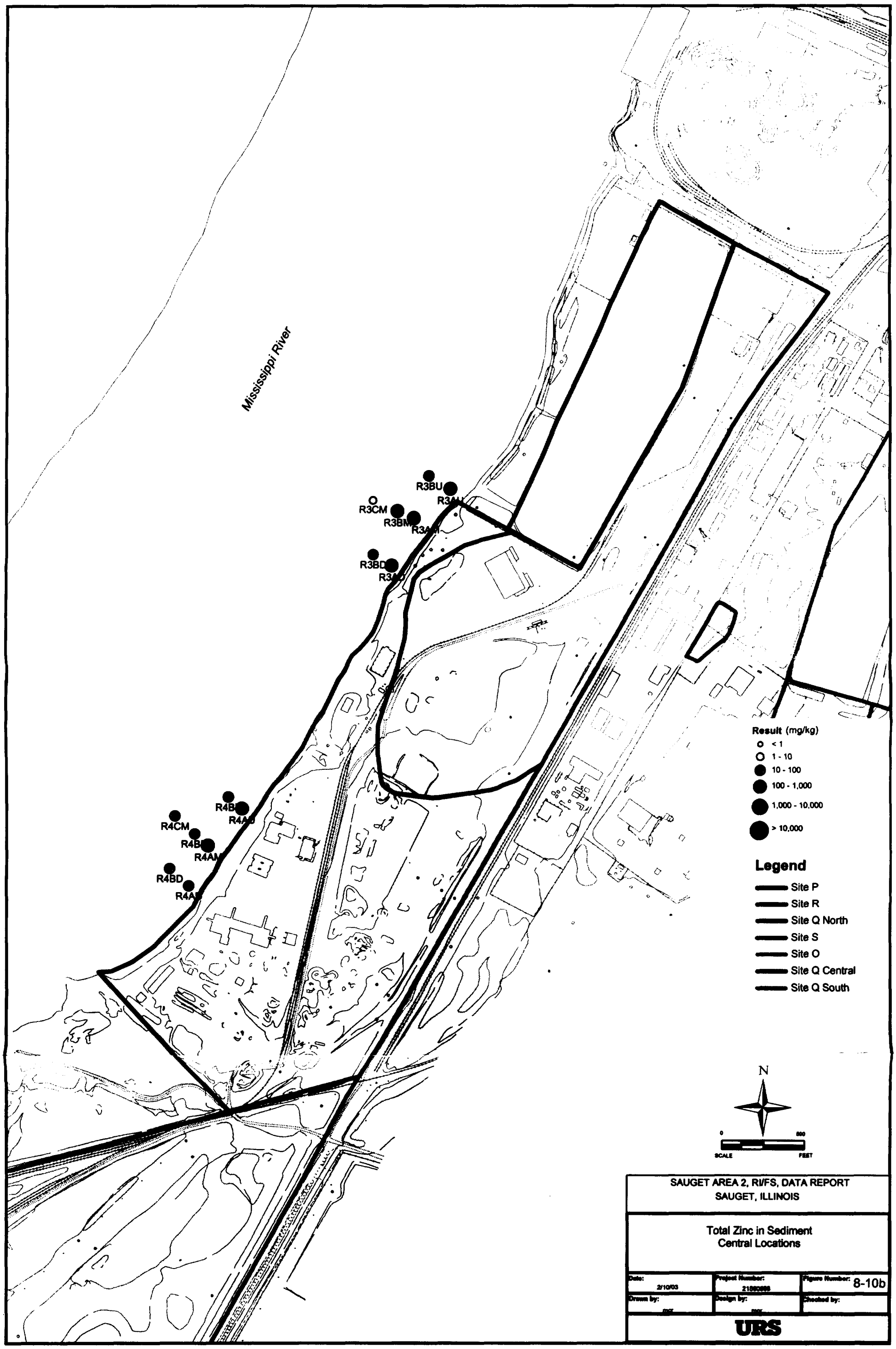

Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Lead in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-8c
Drawn by:
Design by:
Checked by:
URS

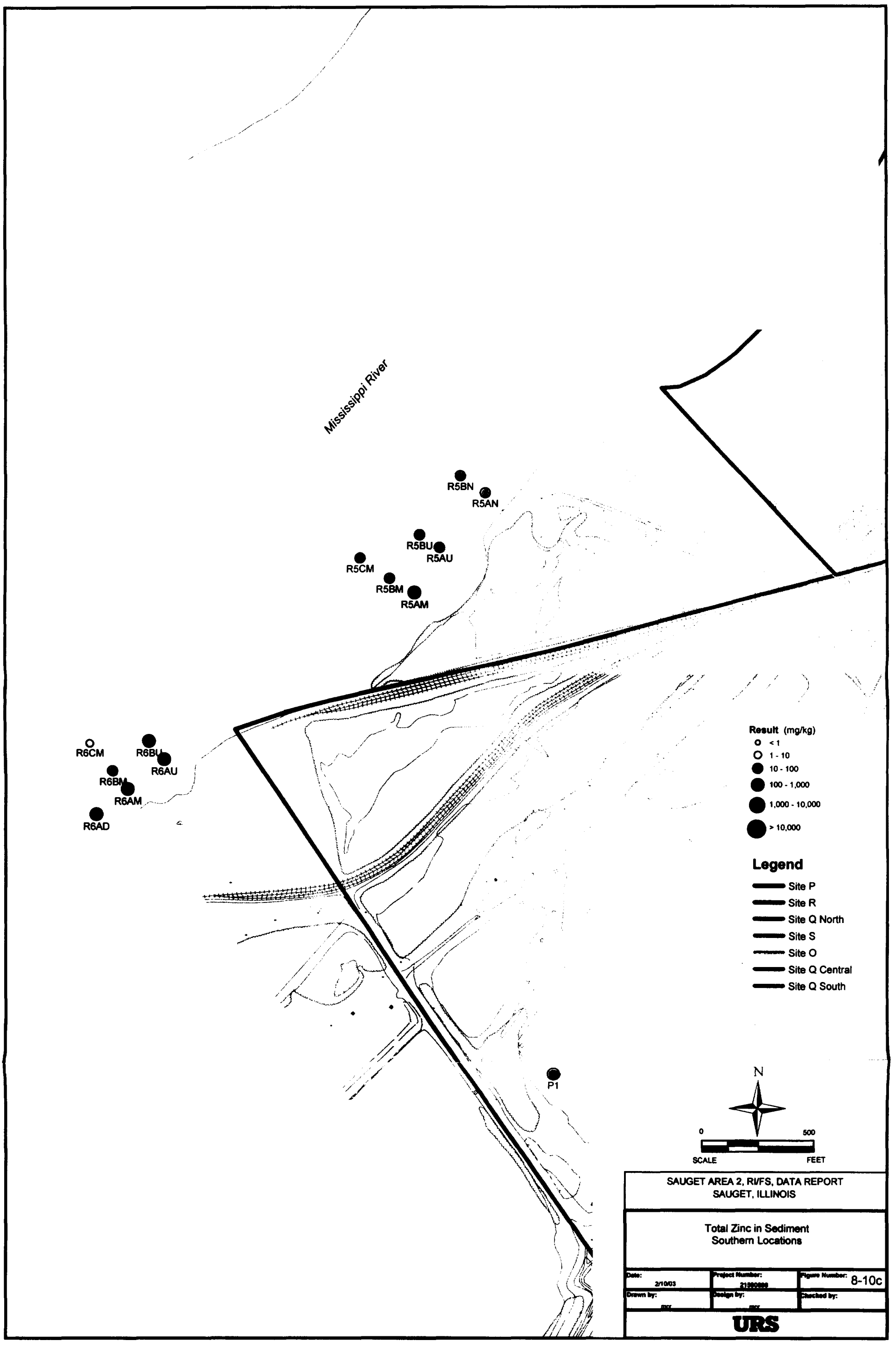

R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Sediment
Northern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-9a
Drawn by:
mgr
Design by:
mgr
Checked by:
URS


Mississippi River
R3BU
R3AU
R3CM
R3BM
R3AM
R3BD
R3AD
R4BU
R4AU
R4CM
R4BM
R4AM
R4BD
R4AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
800
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Sediment
Central Locations
Date:
2/10/03
Project Number:
Figure Number:
8-9b
Drawn by:
Design by:
Checked by:
URS


Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Mercury in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-9c
Drawn by:
mcr
Design by:
mcr
Checked by:
URS


R1BU
R1AU
R1CM
R1BM
R1AM
R1BD
R1AD
Mississippi River
R2BU
R2AU
R2CM
R2BM
R2AM
R2BD
R2AD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Sediment
Northern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-10a
Drawn by:
Design by:
Checked by:
URS


Mississippi River
R3BU
R3CM
R3BD
R4BU
R4CM
R4BD
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
800
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Sediment
Central Locations
Date:
2/10/03
Project Number:
Figure Number:
8-10b
Drawn by:
Design by:
Checked by:
URS


Mississippi River
R5BN
R5AN
R5BU
R5AU
R5CM
R5BM
R5AM
R6CM
R6BU
R6AU
R6BM
R6AM
R6AD
P1
Result (mg/kg)
< 1
1 - 10
10 - 100
100 - 1,000
1,000 - 10,000
> 10,000
Legend
Site P
Site R
Site Q North
Site S
Site O
Site Q Central
Site Q South
N
0
500
SCALE
FEET
SAUGET AREA 2, RI/FS, DATA REPORT
SAUGET, ILLINOIS
Total Zinc in Sediment
Southern Locations
Date:
2/10/03
Project Number:
Figure Number:
8-10c
Drawn by:
Design by:
Checked by:
URS

Section 9

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue ug/kg	#10 11/18/2002 Earthworm Tissue ug/kg	#11 11/18/2002 Earthworm Tissue ug/kg	#12 11/18/2002 Earthworm Tissue ug/kg	#13 11/18/2002 Earthworm Tissue ug/kg	#14 11/18/2002 Earthworm Tissue ug/kg
1,2,4-Trichlorobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,2-Dichlorobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,3-Dichlorobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
1,4-Dichlorobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,4,5-Trichlorophenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,4,6-Trichlorophenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,4-Dichlorophenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,4-Dimethylphenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,4-Dinitrophenol	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
2,4-Dinitrotoluene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2,6-Dinitrotoluene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Chloronaphthalene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Chlorophenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Methylnaphthalene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Methylphenol (o-Cresol)	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
2-Nitroaniline	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
2-Nitrophenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
3,3'-Dichlorobenzidine	2000 U	4000 U	4000 U	4000 U	4000 U	4000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
3-Nitroaniline	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
4,6-Dinitro-2-methylphenol	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
4-Bromophenyl Phenyl Ether	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
4-Chloro-3-methylphenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
4-Chlorophenyl Phenyl Ether	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
4-Nitrophenol	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
Acenaphthene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Acenaphthylene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Anthracene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Benzo(a)anthracene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Benzo(a)pyrene	320 J	2000 U	2000 U	2000 U	2000 U	2000 U
Benzo(b)fluoranthene	370 J	2000 U	2000 U	2000 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	#1	#10	#11	#12	#13	#14
Sample Date	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002
Matrix	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound						
Benzo(g,h,i)perylene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Benzo(k)fluoranthene	320 J	2000 U	2000 U	2000 U	2000 U	2000 U
Benzyl Butyl Phthalate	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
bis(2-Chloroethoxy)methane	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
bis(2-Chloroethyl)ether	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
bis(2-Ethylhexyl)phthalate	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Carbazole	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Chrysene	240 J	2000 U	2000 U	2000 U	2000 U	2000 U
Di-n-butylphthalate	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Di-n-octylphthalate	250 J	2000 U	2000 U	2000 U	2000 U	2000 U
Dibenzo(a,h)anthracene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Dibenzofuran	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Diethyl Phthalate	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Dimethyl Phthalate	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Dinoseb	990 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ	2000 UJ
Fluoranthene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Fluorene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Hexachlorobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Hexachlorobutadiene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Hexachlorocyclopentadiene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Hexachloroethane	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Indeno(1,2,3-cd)pyrene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Isophorone	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
N-Nitroso-di-n-propylamine	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
N-Nitrosodiphenylamine	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Naphthalene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Nitrobenzene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
P-Chloroaniline	2000 U	4000 U	4000 U	4000 U	4000 U	4000 U
P-Nitroaniline	5100 U	10000 U	10000 U	10000 U	10000 U	10000 U
Phenanthrene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Phenol	990 U	2000 U	2000 U	2000 U	2000 U	2000 U
Pyrene	990 U	2000 U	2000 U	2000 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#15 11/18/2002 Earthworm Tissue ug/kg	#16 11/18/2002 Earthworm Tissue ug/kg	#17 11/18/2002 Earthworm Tissue ug/kg	#18 11/18/2002 Earthworm Tissue ug/kg	#19 11/18/2002 Earthworm Tissue ug/kg	#2 11/18/2002 Earthworm Tissue ug/kg
1,2,4-Trichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,2-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,3-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,4-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4,5-Trichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4,6-Trichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dimethylphenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dinitrophenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
2,4-Dinitrotoluene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,6-Dinitrotoluene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Chloronaphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Chlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Methylnaphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Methylphenol (o-Cresol)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
2-Nitrophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
3,3'-Dichlorobenzidine	4000 U	4000 U	4000 U	4000 U	4000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
3-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
4,6-Dinitro-2-methylphenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
4-Bromophenyl Phenyl Ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Chloro-3-methylphenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Chlorophenyl Phenyl Ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Nitrophenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
Acenaphthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Acenaphthylene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(a)anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(a)pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	230 J
Benzo(b)fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	230 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#15 11/18/2002 Earthworm Tissue ug/kg	#16 11/18/2002 Earthworm Tissue ug/kg	#17 11/18/2002 Earthworm Tissue ug/kg	#18 11/18/2002 Earthworm Tissue ug/kg	#19 11/18/2002 Earthworm Tissue ug/kg	#2 11/18/2002 Earthworm Tissue ug/kg
Benzo(g,h,i)perylene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(k)fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	240 J
Benzyl Butyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Chloroethoxy)methane	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Chloroethyl)ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Ethylhexyl)phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Carbazole	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Chrysene	2000 U	2000 U	2000 U	2000 U	2000 U	120 J
Di-n-butylphthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Di-n-octylphthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dibenzo(a,h)anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dibenzofuran	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Diethyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dimethyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dinoseb	2000 U	2000 U	2000 U	2000 U	2000 U	990 UJ
Fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Fluorene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorobutadiene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorocyclopentadiene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachloroethane	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Indeno(1,2,3-cd)pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Isophorone	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
N-Nitroso-di-n-propylamine	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
N-Nitrosodiphenylamine	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Naphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Nitrobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
P-Chloroaniline	4000 U	4000 U	4000 U	4000 U	4000 U	2000 U
P-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
Phenanthrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Phenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#20 11/18/2002 Earthworm Tissue ug/kg	#21 11/18/2002 Earthworm Tissue ug/kg	#22 11/18/2002 Earthworm Tissue ug/kg	#23 11/18/2002 Earthworm Tissue ug/kg	#24 11/18/2002 Earthworm Tissue ug/kg	#25 11/18/2002 Earthworm Tissue ug/kg
1,2,4-Trichlorobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
1,2-Dichlorobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
1,3-Dichlorobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
1,4-Dichlorobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,4,5-Trichlorophenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,4,6-Trichlorophenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,4-Dichlorophenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,4-Dimethylphenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,4-Dinitrophenol	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
2,4-Dinitrotoluene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2,6-Dinitrotoluene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2-Chloronaphthalene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2-Chlorophenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2-Methylnaphthalene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2-Methylphenol (o-Cresol)	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
2-Nitroaniline	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
2-Nitrophenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
3,3'-Dichlorobenzidine	4000 U	4000 U	4000 U	2000 U	4000 U	4000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
3-Nitroaniline	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
4,6-Dinitro-2-methylphenol	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
4-Bromophenyl Phenyl Ether	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
4-Chloro-3-methylphenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
4-Chlorophenyl Phenyl Ether	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
4-Nitrophenol	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
Acenaphthene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Acenaphthylene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Anthracene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Benzo(a)anthracene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Benzo(a)pyrene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Benzo(b)fluoranthene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#20 11/18/2002 Earthworm Tissue ug/kg	#21 11/18/2002 Earthworm Tissue ug/kg	#22 11/18/2002 Earthworm Tissue ug/kg	#23 11/18/2002 Earthworm Tissue ug/kg	#24 11/18/2002 Earthworm Tissue ug/kg	#25 11/18/2002 Earthworm Tissue ug/kg
Benzo(g,h,i)perylene	2000 U	520 J	2000 U	990 U	2000 U	2000 U
Benzo(k)fluoranthene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Benzyl Butyl Phthalate	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
bis(2-Chloroethoxy)methane	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
bis(2-Chloroethyl)ether	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
bis(2-Ethylhexyl)phthalate	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Carbazole	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Chrysene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Di-n-butylphthalate	2000 U	2000 U	300 J	990 U	2000 U	2000 U
Di-n-octylphthalate	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Dibenzo(a,h)anthracene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Dibenzofuran	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Diethyl Phthalate	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Dimethyl Phthalate	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Dinoseb	2000 UJ	2000 U	2000 U	990 U	2000 U	2000 U
Fluoranthene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Fluorene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Hexachlorobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Hexachlorobutadiene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Hexachlorocyclopentadiene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Hexachloroethane	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Indeno(1,2,3-cd)pyrene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Isophorone	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
N-Nitroso-di-n-propylamine	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
N-Nitrosodiphenylamine	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Naphthalene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Nitrobenzene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
P-Chloroaniline	4000 U	4000 U	4000 U	2000 U	4000 U	4000 U
P-Nitroaniline	10000 U	10000 U	10000 U	5100 U	10000 U	10000 U
Phenanthrene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Phenol	2000 U	2000 U	2000 U	990 U	2000 U	2000 U
Pyrene	2000 U	2000 U	2000 U	990 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#26 11/18/2002 Earthworm Tissue ug/kg	#27 11/18/2002 Earthworm Tissue ug/kg	#28 11/18/2002 Earthworm Tissue ug/kg	#29 11/18/2002 Earthworm Tissue ug/kg	#3 11/18/2002 Earthworm Tissue ug/kg	#30 11/18/2002 Earthworm Tissue ug/kg
1,2,4-Trichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,2-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,3-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
1,4-Dichlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4,5-Trichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4,6-Trichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dichlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dimethylphenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,4-Dinitrophenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
2,4-Dinitrotoluene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2,6-Dinitrotoluene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Chloronaphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Chlorophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Methylnaphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Methylphenol (o-Cresol)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
2-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
2-Nitrophenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
3,3'-Dichlorobenzidine	4000 U	4000 U	4000 U	4000 U	4000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
3-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
4,6-Dinitro-2-methylphenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
4-Bromophenyl Phenyl Ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Chloro-3-methylphenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Chlorophenyl Phenyl Ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
4-Nitrophenol	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
Acenaphthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Acenaphthylene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(a)anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(a)pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(b)fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	#26	#27	#28	#29	#3	#30
Sample Date	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002
Matrix	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound						
Benzo(g,h,i)perylene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzo(k)fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Benzyl Butyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Chloroethoxy)methane	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Chloroethyl)ether	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
bis(2-Ethylhexyl)phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Carbazole	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Chrysene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Di-n-butylphthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Di-n-octylphthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dibenzo(a,h)anthracene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dibenzofuran	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Diethyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dimethyl Phthalate	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Dinoseb	2000 U	2000 U	2000 U	2000 U	2000 UJ	990 U
Fluoranthene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Fluorene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorobutadiene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachlorocyclopentadiene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Hexachloroethane	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Indeno(1,2,3-cd)pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Isophorone	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
N-Nitroso-di-n-propylamine	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
N-Nitrosodiphenylamine	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Naphthalene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Nitrobenzene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
P-Chloroaniline	4000 U	4000 U	4000 U	4000 U	4000 U	2000 U
P-Nitroaniline	10000 U	10000 U	10000 U	10000 U	10000 U	5100 U
Phenanthrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Phenol	2000 U	2000 U	2000 U	2000 U	2000 U	990 U
Pyrene	2000 U	2000 U	2000 U	2000 U	2000 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#4 11/18/2002 Earthworm Tissue ug/kg	#5 11/18/2002 Earthworm Tissue ug/kg	#6 11/18/2002 Earthworm Tissue ug/kg	#7 11/18/2002 Earthworm Tissue ug/kg	#8 11/18/2002 Earthworm Tissue ug/kg	#9 11/18/2002 Earthworm Tissue ug/kg
1,2,4-Trichlorobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
1,2-Dichlorobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
1,3-Dichlorobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
1,4-Dichlorobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,4,5-Trichlorophenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,4,6-Trichlorophenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,4-Dichlorophenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,4-Dimethylphenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,4-Dinitrophenol	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
2,4-Dinitrotoluene	2000 U	990 U	2000 U	990 U	2000 U	990 U
2,6-Dinitrotoluene	2000 U	990 U	2000 U	990 U	2000 U	990 U
2-Chloronaphthalene	2000 U	990 U	2000 U	990 U	2000 U	990 U
2-Chlorophenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
2-Methylnaphthalene	2000 U	990 U	2000 U	990 U	2000 U	990 U
2-Methylphenol (o-Cresol)	2000 U	990 U	2000 U	990 U	2000 U	990 U
2-Nitroaniline	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
2-Nitrophenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
3,3'-Dichlorobenzidine	4000 U	2000 U	4000 U	2000 U	4000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	2000 U	990 U	2000 U	990 U	2000 U	990 U
3-Nitroaniline	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
4,6-Dinitro-2-methylphenol	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
4-Bromophenyl Phenyl Ether	2000 U	990 U	2000 U	990 U	2000 U	990 U
4-Chloro-3-methylphenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
4-Chlorophenyl Phenyl Ether	2000 U	990 U	2000 U	990 U	2000 U	990 U
4-Nitrophenol	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
Acenaphthene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Acenaphthylene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Anthracene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Benzo(a)anthracene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Benzo(a)pyrene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Benzo(b)fluoranthene	2000 U	990 U	2000 U	990 U	2000 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	#4 11/18/2002 Earthworm Tissue ug/kg	#5 11/18/2002 Earthworm Tissue ug/kg	#6 11/18/2002 Earthworm Tissue ug/kg	#7 11/18/2002 Earthworm Tissue ug/kg	#8 11/18/2002 Earthworm Tissue ug/kg	#9 11/18/2002 Earthworm Tissue ug/kg
Benzo(g,h,i)perylene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Benzo(k)fluoranthene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Benzyl Butyl Phthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
bis(2-Chloroethoxy)methane	2000 U	990 U	2000 U	990 U	2000 U	990 U
bis(2-Chloroethyl)ether	2000 U	990 U	2000 U	990 U	2000 U	990 U
bis(2-Ethylhexyl)phthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
Carbazole	2000 U	990 U	2000 U	990 U	2000 U	990 U
Chrysene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Di-n-butylphthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
Di-n-octylphthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
Dibenzo(a,h)anthracene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Dibenzofuran	2000 U	990 U	2000 U	990 U	2000 U	990 U
Diethyl Phthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
Dimethyl Phthalate	2000 U	990 U	2000 U	990 U	2000 U	990 U
Dinoseb	2000 UJ	990 UJ	2000 UJ	990 UJ	2000 UJ	990 UJ
Fluoranthene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Fluorene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Hexachlorobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Hexachlorobutadiene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Hexachlorocyclopentadiene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Hexachloroethane	2000 U	990 U	2000 U	990 U	2000 U	990 U
Indeno(1,2,3-cd)pyrene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Isophorone	2000 U	990 U	2000 U	990 U	2000 U	990 U
N-Nitroso-di-n-propylamine	2000 U	990 U	2000 U	990 U	2000 U	990 U
N-Nitrosodiphenylamine	2000 U	990 U	2000 U	990 U	2000 U	990 U
Naphthalene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Nitrobenzene	2000 U	990 U	2000 U	990 U	2000 U	990 U
P-Chloroaniline	4000 U	2000 U	4000 U	2000 U	4000 U	2000 U
P-Nitroaniline	10000 U	5100 U	10000 U	5100 U	10000 U	5100 U
Phenanthrene	2000 U	990 U	2000 U	990 U	2000 U	990 U
Phenol	2000 U	990 U	2000 U	990 U	2000 U	990 U
Pyrene	2000 U	990 U	2000 U	990 U	2000 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	Black Bullhead - Fillets 11/18/2002 Fish Tissue ug/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue ug/kg	Carp - Fillets 11/18/2002 Fish Tissue ug/kg	IN Q1 10/10/2002 Insect Tissue ug/kg	IN Q2 10/10/2002 Insect Tissue ug/kg	PL-O-1 08/10/2002 Plant Tissue ug/kg	PL-O-2 08/10/2002 Plant Tissue ug/kg
1,2,4-Trichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,2-Dichlorobenzene	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ
1,3-Dichlorobenzene	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ
1,4-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,5-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,6-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dimethylphenol	990 U	990 U	990 U	990 R	990 R	990 R	990 R
2,4-Dinitrophenol	5100 UJ	5100 UJ	5100 U	5100 U	5100 U	5100 U	5100 U
2,4-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,6-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chloronaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylnaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylphenol (o-Cresol)	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ
2-Nitroaniline	5100 UJ	5100 UJ	5100 U	5100 U	5100 U	5100 U	5100 U
2-Nitrophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
3,3'-Dichlorobenzidine	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ
3-Nitroaniline	5100 UJ	5100 UJ	5100 U	5100 U	5100 U	5100 U	5100 U
4,6-Dinitro-2-methylphenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4-Bromophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chloro-3-methylphenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chlorophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Nitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Acenaphthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Acenaphthylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)anthracene	990 U	990 U	140 J	990 U	990 U	990 U	990 U
Benzo(a)pyrene	990 U	990 U	180 J	990 U	990 U	990 U	990 U
Benzo(b)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	Black Bullhead - Fillets 11/18/2002 Fish Tissue ug/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue ug/kg	Carp - Fillets 11/18/2002 Fish Tissue ug/kg	IN Q1 10/10/2002 Insect Tissue ug/kg	IN Q2 10/10/2002 Insect Tissue ug/kg	PL-O-1 08/10/2002 Plant Tissue ug/kg	PL-O-2 08/10/2002 Plant Tissue ug/kg
Benzo(g,h,i)perylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(k)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzyl Butyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethoxy)methane	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethyl)ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Ethylhexyl)phthalate	990 U	990 U	500 J	990 U	990 U	990 U	990 U
Carbazole	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Chrysene	990 U	990 U	140 J	990 U	990 U	990 U	990 U
Di-n-butylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Di-n-octylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzo(a,h)anthracene	990 U	990 U	140 J	990 U	990 U	990 U	990 U
Dibenzofuran	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Diethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dimethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dinoseb	990 UJ	990 UJ	990 UJ	990 U	990 U	990 U	990 U
Fluoranthene	990 U	990 U	110 J	990 U	990 U	990 U	990 U
Fluorene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobutadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorocyclopentadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachloroethane	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Indeno(1,2,3-cd)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Isophorone	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitroso-di-n-propylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitrosodiphenylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Naphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Nitrobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
P-Chloroaniline	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
P-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Phenanthrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Phenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	PL-O-3	PL-OS-2	PL-OS-3	PL-OS-4	PL-P-1	PL-P-2	PL-P-3	PL-P-4	PL-Q-10
Sample Date	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,2,4-Trichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,2-Dichlorobenzene	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 U
1,3-Dichlorobenzene	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 U
1,4-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,5-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,6-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dimethylphenol	990 R	990 R	990 R	990 R	990 R	990 R	990 R	990 R	990 U
2,4-Dinitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
2,4-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,6-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chloronaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylnaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylphenol (o-Cresol)	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 U
2-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
2-Nitrophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
3,3'-Dichlorobenzidine	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 U
3-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4,6-Dinitro-2-methylphenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4-Bromophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chloro-3-methylphenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chlorophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Nitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Acenaphthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Acenaphthylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(b)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	PL-O-3	PL-OS-2	PL-OS-3	PL-OS-4	PL-P-1	PL-P-2	PL-P-3	PL-P-4	PL-Q-10
Sample Date	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzo(g,h,i)perylene	990 U	990 U	990 U	990 U	80 J	95 J	990 U	210 J	990 U
Benzo(k)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzyl Butyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethoxy)methane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethyl)ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Ethylhexyl)phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Carbazole	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Chrysene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Di-n-butylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Di-n-octylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzo(a,h)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzofuran	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Diethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dimethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dinoseb	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluorene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobutadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorocyclopentadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachloroethane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Indeno(1,2,3-cd)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Isophorone	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitroso-di-n-propylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitrosodiphenylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Naphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Nitrobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
P-Chloroaniline	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
P-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Phenanthrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Phenol	990 U	990 U	990 U	990 U	990 U	990 U	360 J	990 U	320 J
Pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID Sample Date Matrix Units Compound	PL-Q-11 09/10/2002 Plant Tissue ug/kg	PL-Q-12 09/10/2002 Plant Tissue ug/kg	PL-Q-13 09/10/2002 Plant Tissue ug/kg	PL-Q-14 09/10/2002 Plant Tissue ug/kg	PL-Q-15 09/10/2002 Plant Tissue ug/kg	PL-Q-16 09/10/2002 Plant Tissue ug/kg	PL-Q-17 09/10/2002 Plant Tissue ug/kg	PL-Q-18 09/10/2002 Plant Tissue ug/kg	PL-Q-19 09/10/2002 Plant Tissue ug/kg
1,2,4-Trichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,2-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,3-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,4-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,5-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,6-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dimethylphenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dinitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
2,4-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,6-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chloronaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylnaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylphenol (o-Cresol)	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
2-Nitrophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
3,3'-Dichlorobenzidine	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
3-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4,6-Dinitro-2-methylphenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4-Bromophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chloro-3-methylphenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chlorophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Nitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Acenaphthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Acenaphthylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(b)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	PL-Q-11	PL-Q-12	PL-Q-13	PL-Q-14	PL-Q-15	PL-Q-16	PL-Q-17	PL-Q-18	PL-Q-19
Sample Date	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzo(g,h,i)perylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(k)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzyl Butyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethoxy)methane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethyl)ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Ethylhexyl)phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Carbazole	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Chrysene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Di-n-butylphthalate	170 J	100 J	990 U	990 U	140 J	94 J	990 U	990 U	990 U
Di-n-octylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzo(a,h)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzofuran	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Diethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dimethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dinoseb	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluorene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobutadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorocyclopentadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachloroethane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Indeno(1,2,3-cd)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Isophorone	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitroso-di-n-propylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitrosodiphenylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Naphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Nitrobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
P-Chloroaniline	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
P-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Phenanthrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Phenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	PL-Q-20	PL-Q-21	PL-Q-9	PL-R-1	PL-R-2	PL-R-3	PL-R-4	PL-R-5	PL-S-1
Sample Date	09/10/2002	09/10/2002	09/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,2,4-Trichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
1,2-Dichlorobenzene	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ
1,3-Dichlorobenzene	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ
1,4-Dichlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,2'-Oxybis(1-Chloropropane) (bis-2-chloroisopropyl ether)	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,5-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4,6-Trichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dichlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,4-Dimethylphenol	990 U	990 U	990 U	990 R	990 R	990 R	990 R	990 R	990 R
2,4-Dinitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 UJ	5100 U	5100 UJ	5100 U
2,4-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2,6-Dinitrotoluene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chloronaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Chlorophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylnaphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
2-Methylphenol (o-Cresol)	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ
2-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
2-Nitrophenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
3,3'-Dichlorobenzidine	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
3-Methylphenol/4-Methylphenol (m&p-Cresol)	990 U	990 U	990 U	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ	990 UJ
3-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4,6-Dinitro-2-methylphenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
4-Bromophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chloro-3-methylphenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Chlorophenyl Phenyl Ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
4-Nitrophenol	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Acenaphthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Acenaphthylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(a)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(b)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-1
Sauget Area 2 RI/FS Data Report - Biota
Method 8270 - Semivolatile Organic Compound Data

Sample ID	PL-Q-20	PL-Q-21	PL-Q-9	PL-R-1	PL-R-2	PL-R-3	PL-R-4	PL-R-5	PL-S-1
Sample Date	09/10/2002	09/10/2002	09/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
Benzo(g,h,i)perylene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzo(k)fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Benzyl Butyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethoxy)methane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Chloroethyl)ether	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
bis(2-Ethylhexyl)phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	82 J
Carbazole	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Chrysene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Di-n-butylphthalate	170 J	990 U	88 J	990 U	990 U	990 U	990 U	89 J	990 U
Di-n-octylphthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzo(a,h)anthracene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dibenzofuran	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Diethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dimethyl Phthalate	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Dinoseb	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluoranthene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Fluorene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorobutadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachlorocyclopentadiene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Hexachloroethane	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Indeno(1,2,3-cd)pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Isophorone	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitroso-di-n-propylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
N-Nitrosodiphenylamine	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Naphthalene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Nitrobenzene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
P-Chloroaniline	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
P-Nitroaniline	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U	5100 U
Phenanthrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Phenol	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U
Pyrene	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U	990 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue ug/kg	#10 11/18/2002 Earthworm Tissue ug/kg	#11 11/18/2002 Earthworm Tissue ug/kg	#12 11/18/2002 Earthworm Tissue ug/kg	#13 11/18/2002 Earthworm Tissue ug/kg	#14 11/18/2002 Earthworm Tissue ug/kg	#15 11/18/2002 Earthworm Tissue ug/kg
Decachlorobiphenyl	50 U	100 U	100 U	100 U	100 U	100 U	100 U
Dichlorobiphenyl	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Heptachlorobiphenyl	1100	60 U	60 U	60 U	60 U	60 U	60 U
Hexachlorobiphenyl	2700	20 J	40 U	40 U	66	22 J	40 U
Monochlorobiphenyl	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Nonachlorobiphenyl	50 U	100 U	100 U	100 U	100 U	100 U	100 U
Octachlorobiphenyl	160	60 U	60 U	60 U	60 U	60 U	60 U
Pentachlorobiphenyl	3100	160	40 U	40 U	40 U	40 U	40 U
Tetrachlorobiphenyl	1000	320	40 U	40 U	40 U	40 U	40 U
Trichlorobiphenyl	14	62	20 U	20 U	20 U	20 U	20 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Matrix Units Compound	#16 11/18/2002 Earthworm Tissue ug/kg	#17 11/18/2002 Earthworm Tissue ug/kg	#18 11/18/2002 Earthworm Tissue ug/kg	#19 11/18/2002 Earthworm Tissue ug/kg	#2 11/18/2002 Earthworm Tissue ug/kg	#20 11/18/2002 Earthworm Tissue ug/kg	#21 11/18/2002 Earthworm Tissue ug/kg
Decachlorobiphenyl	100 U	100 U	100 U	100 U	50 U	100 U	100 U
Dichlorobiphenyl	20 U	20 U	220	20 U	10 U	20 U	20 U
Heptachlorobiphenyl	60 U	60 U	1300	60 U	30 U	1300	60 U
Hexachlorobiphenyl	40 U	40 U	3700	40 U	20 U	4400	40 U
Monochlorobiphenyl	20 U	20 U	20 U	20 U	10 U	20 U	20 U
Nonachlorobiphenyl	100 U	100 U	100 U	100 U	50 U	100 U	100 U
Octachlorobiphenyl	60 U	60 U	200	60 U	30 U	140	60 U
Pentachlorobiphenyl	40 U	40 U	8200	40 U	20 U	7400	40 U
Tetrachlorobiphenyl	40 U	40 U	13000	40 U	20 U	3500	40 U
Trichlorobiphenyl	20 U	20 U	2400	20 U	10 U	130	20 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID	#22	#23	#24	#25	#26	#27	#28
Sample Date	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002
Matrix	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound							
Decachlorobiphenyl	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Dichlorobiphenyl	20 U	10 U	20 U	20 U	20 U	20 U	20 U
Heptachlorobiphenyl	60 U	75	60 U	60 U	60 U	60 U	60 U
Hexachlorobiphenyl	40 U	250	60	75	120	40 U	40 U
Monochlorobiphenyl	20 U	10 U	20 U	20 U	20 U	20 U	20 U
Nonachlorobiphenyl	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Octachlorobiphenyl	60 U	30 U	60 U	60 U	60 U	60 U	60 U
Pentachlorobiphenyl	40 U	630	110	40 U	790	40 U	40 U
Tetrachlorobiphenyl	40 U	500	40 U	40 U	450	40 U	40 U
Trichlorobiphenyl	20 U	130	20 U	20 U	20 U	20 U	20 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Matrix Units Compound	#29 11/18/2002 Earthworm Tissue ug/kg	#3 11/18/2002 Earthworm Tissue ug/kg	#30 11/18/2002 Earthworm Tissue ug/kg	#4 11/18/2002 Earthworm Tissue ug/kg	#5 11/18/2002 Earthworm Tissue ug/kg	#6 11/18/2002 Earthworm Tissue ug/kg	#7 11/18/2002 Earthworm Tissue ug/kg
Decachlorobiphenyl	100 U	100 U	50 U	100 U	50 U	100 U	50 U
Dichlorobiphenyl	20 U	20 U	10 U	20 U	10 U	20 U	10 U
Heptachlorobiphenyl	60 U	110	30 U	60 U	30 U	60 U	30 U
Hexachlorobiphenyl	40 U	670	20 U	40 U	20 U	40 U	20 U
Monochlorobiphenyl	20 U	20 U	10 U	20 U	10 U	20 U	10 U
Nonachlorobiphenyl	100 U	100 U	50 U	100 U	50 U	100 U	50 U
Octachlorobiphenyl	60 U	60 U	30 U	60 U	30 U	60 U	30 U
Pentachlorobiphenyl	40 U	3300	20 U	40 U	20 U	40 U	20 U
Tetrachlorobiphenyl	40 U	3600	20 U	40 U	20 U	40 U	9 J
Trichlorobiphenyl	20 U	260	10 U	20 U	10 U	20 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID Sample Date Matrix Units Compound	#8 11/18/2002 Earthworm Tissue ug/kg	#9 11/18/2002 Earthworm Tissue ug/kg	Black Bullhead - Fillets 11/18/2002 Fish Tissue ug/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue ug/kg	Carp - Fillets 11/18/2002 Fish Tissue ug/kg	IN P1 10/10/2002 Insect Tissue ug/kg	IN Q1 10/10/2002 Insect Tissue ug/kg	IN Q2 10/10/2002 Insect Tissue ug/kg
Decachlorobiphenyl	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorobiphenyl	1500	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptachlorobiphenyl	390	560	330	640	270	30 U	30 U	30 U
Hexachlorobiphenyl	1300	1800	920	1900	940	20 U	20 U	20 U
Monochlorobiphenyl	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nonachlorobiphenyl	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Octachlorobiphenyl	24 J	53	53	85	41 J	30 U	30 U	30 U
Pentachlorobiphenyl	6300	2700	1600	3300	3200	20 U	20 U	10 J
Tetrachlorobiphenyl	14000	1200	900	2400	4700	20 U	20 U	17 J
Trichlorobiphenyl	9100	30	65	120	870	10 U	10 U	24

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID	IN ROS1	PL-O-1	PL-O-2	PL-O-3	PL-OS-2	PL-OS-3	PL-OS-4	PL-P-1	PL-P-2	PL-P-3
Sample Date	10/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Insect Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Decachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Hexachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Monochlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nonachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Octachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Pentachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Tetrachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Trichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID	PL-P-4	PL-Q-10	PL-Q-11	PL-Q-12	PL-Q-13	PL-Q-14	PL-Q-15	PL-Q-16	PL-Q-17	PL-Q-18
Sample Date	08/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Decachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Hexachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Monochlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nonachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Octachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Pentachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Tetrachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Trichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-2
Sauget Area 2 RI/FS Data Report - Biota
Method 680 - Polychlorinated Biphenyl Data

Sample ID	PL-Q-19	PL-Q-20	PL-Q-21	PL-Q-9	PL-R-1	PL-R-2	PL-R-3	PL-R-4	PL-R-5	PL-S-1
Sample Date	09/10/2002	09/10/2002	09/10/2002	09/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
Decachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Heptachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Hexachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Monochlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nonachlorobiphenyl	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Octachlorobiphenyl	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Pentachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Tetrachlorobiphenyl	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Trichlorobiphenyl	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue ug/kg	#10 11/18/2002 Earthworm Tissue ug/kg	#11 11/18/2002 Earthworm Tissue ug/kg	#12 11/18/2002 Earthworm Tissue ug/kg	#13 11/18/2002 Earthworm Tissue ug/kg	#14 11/18/2002 Earthworm Tissue ug/kg	#15 11/18/2002 Earthworm Tissue ug/kg
4,4'-DDD	20 U	40 U	40 U	40 U	40 U	40 U	40 U
4,4'-DDE	20 U	40 U	40 U	40 U	40 U	8.6 J	40 U
4,4'-DDT	20 U	26 J	14 J	40 U	40 U	29 J	40 U
Aldrin	10 U	20 U	20 U	20 U	20 U	20 U	20 U
alpha-BHC	10 U	20 U	20 U	20 U	5.1 J	20 U	20 U
alpha-Chlordane	10 U	20 U	20 U	20 U	20 U	20 U	20 U
beta-BHC	10 U	20 U	20 U	20 U	20 U	20 U	20 U
delta-BHC	6.3 J	20 U	6 J	20 U	20 U	20 U	2.3 J
Dieldrin	170	26 J	40 U	40 U	5.4 J	40 U	40 U
Endosulfan I	10 U	20 U	20 U	20 U	20 U	1.9 J	20 U
Endosulfan II	20 U	40 U	40 U	40 U	40 U	40 U	40 U
Endosulfan Sulfate	20 U	18 J	40 U	40 U	14 J	40 U	40 U
Endrin	20 U	58 J	40 U	40 U	40 U	40 U	40 U
Endrin Aldehyde	20 U	40 U	40 U	40 U	40 U	40 U	4.2 J
Endrin Ketone	20 U	40 U	40 U	40 U	40 U	40 U	40 U
gamma-BHC (Lindane)	10 U	20 U	20 U	20 U	20 U	20 U	20 U
gamma-Chlordane	10 U	20 U	20 U	20 U	20 U	5.1 J	4.8 J
Heptachlor	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Heptachlor Epoxide	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Methoxychlor	100 U	200 U	23 J	200 U	200 U	200 U	200 U
Toxaphene	1000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID Sample Date Matrix Units Compound	#16 11/18/2002 Earthworm Tissue ug/kg	#17 11/18/2002 Earthworm Tissue ug/kg	#18 11/18/2002 Earthworm Tissue ug/kg	#19 11/18/2002 Earthworm Tissue ug/kg	#2 11/18/2002 Earthworm Tissue ug/kg	#20 11/18/2002 Earthworm Tissue ug/kg	#21 11/18/2002 Earthworm Tissue ug/kg
4,4'-DDD	40 U	40 U	40 U	40 U	20 U	40 U	40 U
4,4'-DDE	40 U	40 U	40 U	40 U	20 U	40 U	4.8 J
4,4'-DDT	8.7 J	6.8 J	620 J	40 U	20 U	750 J	29 J
Aldrin	20 U	20 U	5.9 J	20 U	10 U	20 U	20 U
alpha-BHC	20 U	10 J	20 U	20 U	10 U	20 U	20 U
alpha-Chlordane	20 U	20 U	20 U	20 U	10 U	20 U	20 U
beta-BHC	20 U	20 U	20 U	20 U	10 U	20 U	20 U
delta-BHC	17 J	11 J	20 U	6.5 J	4.5 J	12 J	20 U
Dieldrin	40 U	40 U	400	6 J	2.1 J	400	5.4 J
Endosulfan I	20 U	20 U	1.9 J	20 U	10 U	20 U	20 U
Endosulfan II	40 U	40 U	40 U	40 U	20 U	40 U	40 U
Endosulfan Sulfate	40 U	6.7 J	40 U	6.1 J	20 U	40 U	40 U
Endrin	40 U	40 U	40 U	40 U	20 U	40 U	40 U
Endrin Aldehyde	4.4 J	40 U	40 U	40 U	20 U	40 U	40 U
Endrin Ketone	40 U	40 U	40 U	40 U	20 U	40 U	16 J
gamma-BHC (Lindane)	20 U	20 U	20 U	20 U	10 U	20 U	20 U
gamma-Chlordane	20 U	20 U	20 U	20 U	10 U	20 U	20 U
Heptachlor	8.3 J	20 U	20 U	20 U	10 U	20 U	20 U
Heptachlor Epoxide	20 U	20 U	20 U	20 U	10 U	20 U	20 U
Methoxychlor	200 U	15 J	200 U	7.8 J	10 J	200 U	68 J
Toxaphene	2000 U	2000 U	2000 U	2000 U	1000 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID Sample Date Matrix Units Compound	#22 11/18/2002 Earthworm Tissue ug/kg	#23 11/18/2002 Earthworm Tissue ug/kg	#24 11/18/2002 Earthworm Tissue ug/kg	#25 11/18/2002 Earthworm Tissue ug/kg	#26 11/18/2002 Earthworm Tissue ug/kg	#27 11/18/2002 Earthworm Tissue ug/kg	#28 11/18/2002 Earthworm Tissue ug/kg
4,4'-DDD	40 U	40 U	40 U	40 U	40 U	40 U	40 U
4,4'-DDE	21 J	40 U	40 U	40 U	180 J	3.6 J	5.1 J
4,4'-DDT	58 J	720 J	220 J	40 U	400 J	40 U	40 U
Aldrin	20 U	20 U	20 U	20 U	20 U	20 U	20 U
alpha-BHC	20 U	1.8 J	20 U	20 U	20 U	20 U	20 U
alpha-Chlordane	20 U	51 J	20 U	20 U	20 U	20 U	20 U
beta-BHC	20 U	47 J	20 U	20 U	20 U	20 U	20 U
delta-BHC	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Dieldrin	5.2 J	260	65 J	12 J	300	3.4 J	5.7 J
Endosulfan I	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Endosulfan II	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Endosulfan Sulfate	40 U	40 U	40 U	40 U	40 U	40 U	5.9 J
Endrin	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Endrin Aldehyde	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Endrin Ketone	40 U	40 U	8 J	14 J	40 U	40 U	40 U
gamma-BHC (Lindane)	20 U	20 U	20 U	20 U	20 U	20 U	20 U
gamma-Chlordane	4.4 J	20 U	20 U	20 U	20 U	20 U	2.4 J
Heptachlor	20 U	20 U	5.4 J	2.8 J	20 U	6.3 J	20 U
Heptachlor Epoxide	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Methoxychlor	17 J	200 U	18 J	12 J	200 U	200 U	24 J
Toxaphene	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID Sample Date Matrix Units Compound	#29 11/18/2002 Earthworm Tissue ug/kg	#3 11/18/2002 Earthworm Tissue ug/kg	#30 11/18/2002 Earthworm Tissue ug/kg	#4 11/18/2002 Earthworm Tissue ug/kg	#5 11/18/2002 Earthworm Tissue ug/kg	#6 11/18/2002 Earthworm Tissue ug/kg	#7 11/18/2002 Earthworm Tissue ug/kg
4,4'-DDD	40 U	40 U	20 U	40 U	20 U	40 U	20 U
4,4'-DDE	4.4 J	40 U	20 U	40 U	2.4 J	3.5 J	20 U
4,4'-DDT	40 U	40 U	20 U	12 J	2.5 J	12 J	4.2 J
Aldrin	20 U	20 U	10 U	2.6 J	10 U	20 U	10 U
alpha-BHC	20 U	20 U	10 U	20 U	10 U	20 U	10 U
alpha-Chlordane	20 U	20 U	10 U	20 U	10 U	20 U	10 U
beta-BHC	20 U	20 U	10 U	20 U	10 U	20 U	10 U
delta-BHC	20 U	7 J	10 U	20 U	1.1 J	4.1 J	4.5 J
Dieldrin	4.5 J	100 J	20 U	2.9 J	2.1 J	6.9 J	20 U
Endosulfan I	20 U	20 U	10 U	20 U	10 U	20 U	10 U
Endosulfan II	40 U	40 U	20 U	40 U	20 U	40 U	20 U
Endosulfan Sulfate	40 U	40 U	20 U	40 U	2.7 J	10 J	4.2 J
Endrin	40 U	40 U	20 U	40 U	20 U	40 U	17 J
Endrin Aldehyde	40 U	40 U	20 U	40 U	20 U	40 U	20 U
Endrin Ketone	40 U	40 U	20 U	31 J	20 U	40 U	20 U
gamma-BHC (Lindane)	20 U	20 U	10 U	20 U	10 U	20 U	10 U
gamma-Chlordane	20 U	20 U	10 U	4.2 J	10 U	20 U	10 U
Heptachlor	20 U	20 U	1.3 J	20 U	10 U	20 U	10 U
Heptachlor Epoxide	20 U	20 U	10 U	20 U	10 U	7.8 J	10 U
Methoxychlor	200 U	200 U	100 U	14 J	5.2 J	50 J	15 J
Toxaphene	2000 U	2000 U	1000 U	2000 U	1000 U	2000 U	1000 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID Sample Date Matrix Units Compound	#8 11/18/2002 Earthworm Tissue ug/kg	#9 11/18/2002 Earthworm Tissue ug/kg	Black Bullhead - Fillets 11/18/2002 Fish Tissue ug/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue ug/kg	Carp - Fillets 11/18/2002 Fish Tissue ug/kg	IN Q1 10/10/2002 Insect Tissue ug/kg	IN Q2 10/10/2002 Insect Tissue ug/kg	PL-O-1 08/10/2002 Plant Tissue ug/kg
4,4'-DDD	140 J	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
4,4'-DDE	40 U	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
4,4'-DDT	1200 J	370 J	360	40 UJ	330	9.9 U	9.9 U	9.9 U
Aldrin	21 J	10 U	10 U	5.1 U	10 U	5.1 U	1.2 J	5.1 U
alpha-BHC	20 U	10 U	10 U	5.1 U	10 U	5.1 U	5.1 U	5.1 U
alpha-Chlordane	20 U	10 U	10 J	5.1 U	16 J	5.1 U	5.1 U	5.1 U
beta-BHC	20 U	10 U	10 U	5.1 U	17 J	5.1 U	5.1 U	5.1 U
delta-BHC	51 J	3.3 J	10 U	24	10 U	0.44 J	5.1 U	5.1 U
Dieldrin	110 J	210	100	140	190	9.9 U	9.9 U	9.9 U
Endosulfan I	20 U	10 U	10 U	5.1 U	10 U	5.1 U	5.1 U	5.1 U
Endosulfan II	39 J	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
Endosulfan Sulfate	40 U	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
Endrin	40 U	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
Endrin Aldehyde	40 U	20 U	20 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
Endrin Ketone	40 U	20 U	20 U	3.6 J	20 U	9.9 U	3.4 J	9.9 UJ
gamma-BHC (Lindane)	18 J	10 U	10 U	5.1 U	10 U	5.1 U	0.43 J	2.9 J
gamma-Chlordane	20 U	10 U	10 U	5.1 U	10 U	5.1 U	0.64 J	5.1 U
Heptachlor	20 U	10 U	10 U	5.1 U	10 U	0.93 J	5.1 U	5.1 U
Heptachlor Epoxide	20 U	10 U	10 U	5.1 U	10 U	5.1 U	5.1 U	5.1 U
Methoxychlor	200 U	100 U	100 U	51 U	35 J	51 U	51 U	51 U
Toxaphene	2000 U	1000 U	1000 U	510 U	1000 U	510 U	510 U	510 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID	PL-O-2	PL-O-3	PL-OS-2	PL-OS-3	PL-OS-4	PL-P-1	PL-P-2	PL-P-3	PL-P-4	PL-Q-10
Sample Date	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
4,4'-DDD	2.4 J	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U	9.9 UJ
4,4'-DDE	10 J	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	0.97 J	9.9 U	9.9 UJ
4,4'-DDT	9.9 U	9.9 U	2.6 J	1.3 J	9.9 U	20 U	9.9 U	1.4 J	9.9 U	9.9 UJ
Aldrin	5.1 J	5.1 U	5.1 U	5.1 U	5.1 U	1.1 J	5.1 U	0.5 J	0.67 J	5.1 UJ
alpha-BHC	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	1.2 J	5.1 U	5.1 U	5.1 U	0.62 J
alpha-Chlordane	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	10 U	5.1 U	0.93 J	5.1 U	5.1 UJ
beta-BHC	4.4 J	5.1 U	5.1 U	5.1 U	5.1 U	10 U	5.1 U	3.1 J	5.1 U	5.5 J
delta-BHC	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	1.2 J	5.1 U	5.1 U	5.1 U	1.7 J
Dieldrin	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	3.4 J	9.9 UJ
Endosulfan I	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	10 U	5.1 U	5.1 U	5.1 U	5.1 UJ
Endosulfan II	5.4 J	9.9 U	9.9 U	9.9 U	9.9 U	3.6 J	9.9 U	9.9 U	9.9 U	9.9 UJ
Endosulfan Sulfate	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U	9.9 UJ
Endrin	2 J	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U	9.9 UJ
Endrin Aldehyde	25 J	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U	9.9 UJ
Endrin Ketone	2.2 J	9.9 UJ	9.9 U	9.9 UJ	9.9 UJ	20 UJ	9.9 UJ	9.9 UJ	2.6 J	9.9 UJ
gamma-BHC (Lindane)	9.8	5.1 U	5.1 U	0.77 J	3.3 J	2 J	2.1 J	5.1 U	5.1 U	1.6 J
gamma-Chlordane	5.7 J	5.1 U	5.1 U	5.1 U	5.1 U	3.4 J	5.1 U	5.1 U	1 J	5.1 UJ
Heptachlor	3.4 J	5.1 U	5.1 U	5.1 U	1.6 J	10 U	5.1 U	5.1 U	5.5	5.1 UJ
Heptachlor Epoxide	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	7.6 J	5.1 U	5.1 U	5.1 U	5.1 UJ
Methoxychlor	51 UJ	51 U	51 UJ	51 U	51 U	190 J	51 U	51 U	51 U	51 UJ
Toxaphene	510 U	510 U	510 U	510 U	510 U	1000 U	510 U	510 U	510 U	510 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID	PL-Q-11	PL-Q-12	PL-Q-13	PL-Q-14	PL-Q-15	PL-Q-16	PL-Q-17	PL-Q-18	PL-Q-19	PL-Q-20
Sample Date	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound										
4,4'-DDD	9.9 UJ	9.9 U	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
4,4'-DDE	9.9 UJ	9.9 U	9.9 U	9.9 UJ	1.3 J	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
4,4'-DDT	9.9 UJ	9.9 UJ	2 J	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
Aldrin	5.1 UJ	5.1 U	5.1 U	1 J	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ
alpha-BHC	5.1 UJ	0.87 J	0.83 J	5.1 UJ	5.1 UJ	3.5 J	3.7 J	2.7 J	1.3 J	1.7 J
alpha-Chlordane	5.1 UJ	5.1 U	5.1 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	2.7 J	1.6 J	5.1 UJ
beta-BHC	5.1 UJ	5.1 U	5.1 U	5.1 UJ	5.1 UJ	5.9 J	4.7 J	2.2 J	5.1 UJ	5.1 UJ
delta-BHC	5.1 UJ	5.1 U	0.29 J	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ
Dieldrin	9.9 UJ	9.9 U	9.9 U	9.9 UJ	1.2 J	2.1 J	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
Endosulfan I	5.1 UJ	5.1 U	5.1 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ
Endosulfan II	9.9 UJ	9.9 U	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	1.4 J	9.9 UJ
Endosulfan Sulfate	9.9 UJ	9.9 U	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
Endrin	9.9 UJ	9.9 U	9.9 U	9.9 UJ	1.3 J	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
Endrin Aldehyde	9.9 UJ	9.9 U	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
Endrin Ketone	9.9 UJ	9.9 U	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
gamma-BHC (Lindane)	0.74 J	5.1 U	5.1 U	0.25 J	5.1 UJ	5.1 UJ	5.1 UJ	0.29 J	1.2 J	5.1 UJ
gamma-Chlordane	5.1 UJ	5.1 U	5.1 U	5.1 UJ	0.71 J	5.1 UJ	5.1 UJ	5.1 UJ	2.9 J	5.1 UJ
Heptachlor	5.1 UJ	0.81 J	0.73 J	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 U	5.1 U
Heptachlor Epoxide	5.1 UJ	5.1 U	5.1 U	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ
Methoxychlor	51 UJ	51 U	51 U	51 UJ	2.8 J	51 UJ	51 UJ	51 UJ	51 UJ	51 UJ
Toxaphene	510 UJ	510 U	510 U	510 UJ	510 UJ	510 UJ	510 UJ	510 UJ	510 UJ	510 UJ

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-3
Sauget Area 2 RI/FS Data Report - Biota
Method 8081 - Pesticide Data

Sample ID	PL-Q-21	PL-Q-9	PL-R-1	PL-R-2	PL-R-3	PL-R-4	PL-R-5	PL-S-1
Sample Date	09/10/2002	09/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
4,4'-DDD	9.9 U	9.9 UJ	9.9 U	9.9 U	1.1 J	9.9 U	9.9 U	9.9 U
4,4'-DDE	9.9 U	9.9 UJ	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
4,4'-DDT	9.9 UJ	4.1 J	1.6 J	1.5 J	9.9 U	2.3 J	2.2 J	1.5 J
Aldrin	5.1 U	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
alpha-BHC	5.1 U	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
alpha-Chlordane	5.1 U	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
beta-BHC	4.8 J	5.1 UJ	2.8 J	5.2 J	5.1 U	4.4 J	1.9 J	5.1 U
delta-BHC	5.1 U	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Dieldrin	9.9 U	9.9 UJ	0.92 J	2.1 J	2.9 J	1.6 J	2.7 J	9.9 U
Endosulfan I	5.1 U	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Endosulfan II	9.9 U	9.9 UJ	2.6 J	2.5 J	9.9 U	2 J	2.7 J	9.9 U
Endosulfan Sulfate	9.9 U	9.9 UJ	9.9 U	9.9 U	1.4 J	9.9 U	2 J	9.9 U
Endrin	9.9 U	9.9 UJ	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
Endrin Aldehyde	9.9 U	9.9 UJ	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
Endrin Ketone	9.9 U	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ	9.9 UJ
gamma-BHC (Lindane)	5.1 U	5.1 UJ	0.79 J	5.1 U	0.99 J	5.1 U	1.7 J	5.8 J
gamma-Chlordane	5.1 U	2.2 J	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Heptachlor	5.1 U	5.1 U	5.1 U	2.3 J	2.3 J	2.4 J	1.4 J	5.1 U
Heptachlor Epoxide	5.1 U	1.7 J	5.1 U	0.52 J	5.1 U	5.1 U	5.1 U	5.1 U
Methoxychlor	51 U	51 UJ	51 U	51 U	51 U	51 U	51 U	51 U
Toxaphene	510 U	510 UJ	510 U	510 U	510 U	510 U	510 U	510 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue ug/kg	#10 11/18/2002 Earthworm Tissue ug/kg	#11 11/18/2002 Earthworm Tissue ug/kg	#12 11/18/2002 Earthworm Tissue ug/kg	#13 11/18/2002 Earthworm Tissue ug/kg	#14 11/18/2002 Earthworm Tissue ug/kg
2,4,5-T	25 U	50 U	100 U	100 U	25 R	50 U
2,4,5-TP (Silvex)	25 U	50 U	100 U	100 U	18 J	50 U
2,4-D	180 J	50 U	100 U	100 U	82 J	50 U
2,4-DB	25 U	50 U	100 U	100 U	25 R	50 U
Dalapon	6000 U	12000 U	24000 U	24000 U	6000 R	12000 U
Dicamba	60 U	120 U	240 U	240 U	60 R	120 U
Dichlorprop	300 U	600 U	1200 U	1200 U	300 R	600 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	9200 J	58000 J	43000 J	42000 J	6000 R	74000 J
MCPP	6000 U	12000 U	24000 U	24000 U	6000 R	12000 U
Pentachlorophenol	14 J	48 J	200 U	8.8 J	16 J	7.6 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	#15 11/18/2002 Earthworm Tissue ug/kg	#16 11/18/2002 Earthworm Tissue ug/kg	#17 11/18/2002 Earthworm Tissue ug/kg	#18 11/18/2002 Earthworm Tissue ug/kg	#19 11/18/2002 Earthworm Tissue ug/kg	#2 11/18/2002 Earthworm Tissue ug/kg
2,4,5-T	100 U	100 U	100 U	7.6 J	100 U	50 U
2,4,5-TP (Silvex)	100 U	100 U	100 U	6.1 J	100 U	50 U
2,4-D	100 U	100 U	100 U	56 J	110 J	50 U
2,4-DB	100 U	100 U	100 U	25 U	100 U	50 U
Dalapon	24000 U	24000 U	24000 U	6000 U	24000 U	12000 U
Dicamba	240 U	240 U	240 U	60 U	240 U	120 U
Dichlorprop	1200 U	1200 U	1200 U	300 U	1200 U	600 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	27000 J	32000 J	29000 J	6000 U	20000 J	29000 J
MCPP	24000 U	24000 U	24000 U	6000 U	24000 U	12000 U
Pentachlorophenol	200 U	200 U	200 U	170 J	200 U	11 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	#20 11/18/2002 Earthworm Tissue ug/kg	#21 11/18/2002 Earthworm Tissue ug/kg	#22 11/18/2002 Earthworm Tissue ug/kg	#23 11/18/2002 Earthworm Tissue ug/kg	#24 11/18/2002 Earthworm Tissue ug/kg	#25 11/18/2002 Earthworm Tissue ug/kg
2,4,5-T	100 U	50 U	26 J	25 U	50 U	50 U
2,4,5-TP (Silvex)	100 U	50 U	9.4 J	25 U	50 U	50 U
2,4-D	100 U	50 U	50 U	25 U	150 J	140 J
2,4-DB	100 U	50 U	50 U	25 U	50 U	50 U
Dalapon	24000 U	12000 U	12000 U	6000 U	12000 U	12000 U
Dicamba	240 U	120 U	120 U	60 U	120 U	120 U
Dichlorprop	1200 U	600 U	600 U	300 U	120 J	600 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	32000 J	91000 J	41000 J	41000 J	75000	85000 J
MCPP	24000 U	12000 U	12000 U	6000 U	12000 U	12000 U
Pentachlorophenol	200 U	15 J	11 J	10 J	11 J	14 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	#26 11/18/2002 Earthworm Tissue ug/kg	#27 11/18/2002 Earthworm Tissue ug/kg	#28 11/18/2002 Earthworm Tissue ug/kg	#29 11/18/2002 Earthworm Tissue ug/kg	#3 11/18/2002 Earthworm Tissue ug/kg	#30 11/18/2002 Earthworm Tissue ug/kg
2,4,5-T	50 U	50 U	20 J	50 U	50 U	25 U
2,4,5-TP (Silvex)	50 U	50 U	50 U	50 U	50 U	25 U
2,4-D	50 U	50 U	50 U	50 U	50 U	25 U
2,4-DB	50 U	50 U	50 U	50 U	50 U	25 U
Dalapon	12000 U	12000 U	12000 U	12000 U	12000 U	6000 U
Dicamba	120 U	120 U	120 U	120 U	120 U	60 U
Dichlorprop	600 U	600 U	600 U	600 U	600 U	300 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	12000 U	54000	12000 U	80000 J	67000 J	28000 J
MCPP	12000 U	12000 U	12000 U	12000 U	12000 U	6000 U
Pentachlorophenol	11 J	12 J	100 U	100 U	32 J	6.5 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	#4 11/18/2002 Earthworm Tissue ug/kg	#5 11/18/2002 Earthworm Tissue ug/kg	#6 11/18/2002 Earthworm Tissue ug/kg	#7 11/18/2002 Earthworm Tissue ug/kg	#8 11/18/2002 Earthworm Tissue ug/kg	#9 11/18/2002 Earthworm Tissue ug/kg
2,4,5-T	100 U	25 U	50 U	50 U	100 U	50 U
2,4,5-TP (Silvex)	100 U	25 U	50 U	50 U	100 U	50 U
2,4-D	100 U	100 J	630	50 U	94 J	50 U
2,4-DB	100 U	25 U	50 U	50 U	100 U	50 U
Dalapon	24000 U	6000 U	12000 U	12000 U	24000 U	12000 U
Dicamba	240 U	60 U	120 U	120 U	240 U	120 U
Dichlorprop	1200 U	300 U	600 U	600 U	1200 U	600 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	22000 J	9200 J	90000 J	43000 J	40000 J	54000
MCPP	24000 U	6000 U	12000 U	12000 U	24000 U	12000 U
Pentachlorophenol	200 U	12 J	17 J	100 U	1400 J	100 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	Black Bullhead - Fillets 11/18/2002 Fish Tissue ug/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue ug/kg	Carp - Fillets 11/18/2002 Fish Tissue ug/kg	IN Q1 10/10/2002 Insect Tissue ug/kg	IN Q2 10/10/2002 Insect Tissue ug/kg	PL-O-1 08/10/2002 Plant Tissue ug/kg	PL-O-2 08/10/2002 Plant Tissue ug/kg
2,4,5-T	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,5-TP (Silvex)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4-D	25 U	25 U	25 U	150	68 J	25 U	32 J
2,4-DB	25 U	25 U	25 J	28 J	25 U	25 U	25 U
Dalapon	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U
Dicamba	60 U	60 U	60 U	60 U	60 U	60 U	60 U
Dichlorprop	300 U	300 U	300 U	300 U	300 U	170 J	180 J
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	5700 J
MCPP	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U
Pentachlorophenol	51 U	51 U	51 U	51 U	51 U	51 U	51 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	PL-O-3 08/10/2002 Plant Tissue ug/kg	PL-OS-2 08/10/2002 Plant Tissue ug/kg	PL-OS-3 08/10/2002 Plant Tissue ug/kg	PL-OS-4 08/10/2002 Plant Tissue ug/kg	PL-P-1 08/10/2002 Plant Tissue ug/kg	PL-P-2 08/10/2002 Plant Tissue ug/kg	PL-P-3 08/10/2002 Plant Tissue ug/kg	PL-P-4 08/10/2002 Plant Tissue ug/kg	PL-Q-10 09/10/2002 Plant Tissue ug/kg
2,4,5-T	120 U	2500 U	25 U	33 J	25 U	25 U	18 J	37 J	440 J
2,4,5-TP (Silvex)	120 U	2500 U	25 U	25 U	25 U	25 U	25 U	87 J	40 J
2,4-D	110 J	2500 U	34 J	58 J	44 J	25 U	42 J	68 J	160 J
2,4-DB	1300 J	2500 U	25 U	460 J	58 J	25 U	95 J	25 U	150 J
Dalapon	30000 U	600000 UJ	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	12000 UJ
Dicamba	300 U	6000 U	60 U	60 U	60 U	60 U	60 U	60 U	120 U
Dichlorprop	1500 U	30000 U	300 U	300 U	300 U	300 U	200 J	300 U	600 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	30000 U	600000 U	6000 U	6000 U	6000 U	6000 U	4800 J	6000 U	12000 U
MCPP	30000 U	600000 U	6000 U	6000 U	6000 U	6000 U	8800 J	6000 U	11000 J
Pentachlorophenol	260 U	5100 U	51 U	51 U	51 U	51 U	51 U	51 U	100 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	PL-Q-11 09/10/2002 Plant Tissue ug/kg	PL-Q-12 09/10/2002 Plant Tissue ug/kg	PL-Q-13 09/10/2002 Plant Tissue ug/kg	PL-Q-14 09/10/2002 Plant Tissue ug/kg	PL-Q-15 09/10/2002 Plant Tissue ug/kg	PL-Q-16 09/10/2002 Plant Tissue ug/kg	PL-Q-17 09/10/2002 Plant Tissue ug/kg	PL-Q-18 09/10/2002 Plant Tissue ug/kg	PL-Q-19 09/10/2002 Plant Tissue ug/kg
2,4,5-T	77 J	25 U	25 U	30	25 U	18 J	25 U	36 J	19 J
2,4,5-TP (Silvex)	25 UJ	25 U	25 U	24 J	25 U	25 U	25 U	25 J	25 U
2,4-D	20 J	25 U	68 J	25 U	49	25 U	42 J	50 U	76 J
2,4-DB	76 J	25 U	25 U	25 U	25 U	110	25 U	560 J	110
Dalapon	6000 UJ	6000 U	6000 U	6000 UJ	6000 U	6000 U	6000 U	12000 U	6000 U
Dicamba	60 UJ	60 U	60 U	60 U	60 U	60 U	60 U	120 U	60 U
Dichlorprop	300 UJ	300 U	300 U	300 U	300 U	300 U	300 U	600 U	300 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	3200 J	6000 U	6000 U	3300 J	6300 J	6800 J	6700	14000 J	7700
MCPP	6000 UJ	6000 U	6000 U	6000 U	6000 U	6000 U	11000 J	10000 J	6000 U
Pentachlorophenol	51 UJ	51 U	51 U	51 U	51 U	51 U	51 U	100 U	51 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-4
Sauget Area 2 RI/FS Data Report - Biota
Method 8151 - Herbicide Data

Sample ID Sample Date Matrix Units Compound	PL-Q-20 09/10/2002 Plant Tissue ug/kg	PL-Q-21 09/10/2002 Plant Tissue ug/kg	PL-Q-9 09/10/2002 Plant Tissue ug/kg	PL-R-1 08/10/2002 Plant Tissue ug/kg	PL-R-2 08/10/2002 Plant Tissue ug/kg	PL-R-3 08/10/2002 Plant Tissue ug/kg	PL-R-4 08/10/2002 Plant Tissue ug/kg	PL-R-5 08/10/2002 Plant Tissue ug/kg	PL-S-1 08/10/2002 Plant Tissue ug/kg
2,4,5-T	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,5-TP (Silvex)	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4-D	130	58 J	37 J	34 J	26 J	59	64	44	25 U
2,4-DB	210	25 U	68	25 U	53 J	35 J	87 J	25 U	25 U
Dalapon	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U
Dicamba	60 U	60 U	60 U	60 U	60 U	60 U	60 U	60 U	60 U
Dichlorprop	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 U
MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)	8100	3000 J	6000 U	4800 J	6000 U	6000 U	6000 U	6000 U	5100 J
MCPP	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U	6000 U
Pentachlorophenol	51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue pg/g	#10 11/18/2002 Earthworm Tissue pg/g	#11 11/18/2002 Earthworm Tissue pg/g	#12 11/18/2002 Earthworm Tissue pg/g	#13 11/18/2002 Earthworm Tissue pg/g	#14 11/18/2002 Earthworm Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	37	1600	38	4.7 U	21	110
1,2,3,4,6,7,8-HpCDF	6.5 J	250	6.5 J	1.6 U	5.1 J	24
1,2,3,4,7,8,9-HpCDF	0.68 U	19	1.5 U	2.1 U	0.73 U	1.1 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.62 U	7 J	1.2 U	1.4 U	0.58 U	0.98 U
1,2,3,4,7,8-HxCDF	2.6 U	14	0.94 U	0.83 U	1.3 U	1.9 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	1.4 U	59	1.6 U	1.3 U	1.1 U	14
1,2,3,6,7,8-HxCDF	0.82 UJ	3.4 U	0.8 U	0.7 U	0.49 UJ	0.91 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.56 U	15	1.1 U	1.3 U	1.1 U	3.2 U
1,2,3,7,8,9-HxCDF	0.53 U	1.4 U	1.1 U	0.97 U	0.52 U	0.52 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	1.1 U	1.9 U	1.3 U	0.98 U	0.87 U	1 U
1,2,3,7,8-Pentachlorodibenzofuran	0.93 U	2.2 U	0.69 U	0.53 U	0.6 U	0.44 U
2,3,4,6,7,8-HxCDF	0.45 U	9.7 J	0.94 U	0.82 U	0.44 U	0.44 U
2,3,4,7,8-PeCDF	1.9 U	3.5 U	0.68 U	0.52 U	0.54 U	0.44 U
2,3,7,8-TCDD	0.43 U	2.5	0.48 U	0.41 U	0.34 U	0.37 U
2,3,7,8-Tetrachlorodibenzofuran	7.6	7.6	0.88 U	0.29 U	1.6 J	0.91 U
OCDD	530	23000	840	140	310	1000
OCDF	24	1100	35	2.1 U	20	62
Total HpCDD	73	3300	82	5.5	44	220
Total HpCDF	22	1300	29	2.1 U	18	65
Total HxCDD	2.4 U	130	3.2 U	1.4 U	2.7	73
Total HxCDF	5.9	210	9	0.97 U	5.3	16
Total PeCDD	1.1 U	14	1.7 U	0.98 U	0.97 U	31
Total PeCDF	1.9 U	5.6	1.9 U	0.57 U	1.6 U	2 U
Total TCDD	1.4	7.8	31	0.69 U	3.6	110
Total TCDF	32	38	3.1	0.29 U	2.2	3.3

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	#15 11/18/2002 Earthworm Tissue pg/g	#16 11/18/2002 Earthworm Tissue pg/g	#17 11/18/2002 Earthworm Tissue pg/g	#18 11/18/2002 Earthworm Tissue pg/g	#19 11/18/2002 Earthworm Tissue pg/g	#2 11/18/2002 Earthworm Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	51	8.2 J	4.8 U	36000	8.8 J	17
1,2,3,4,6,7,8-HpCDF	25	1.1 U	0.82 U	4900	1.4 U	2.5 U
1,2,3,4,7,8,9-HpCDF	1.4 U	0.64 U	0.52 U	300 J	0.69 U	0.86 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	1.2 U	0.61 U	0.48 U	110 J	1 UJ	0.85 U
1,2,3,4,7,8-HxCDF	0.75 UJ	0.33 U	0.24 U	240	0.47 U	0.43 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	19	0.56 U	0.43 U	1500	0.94 U	0.77 U
1,2,3,6,7,8-HxCDF	0.64 UJ	0.28 UJ	0.2 UJ	48 J	0.4 UJ	0.36 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	2.7 U	0.55 U	0.43 U	210	0.94 UJ	0.77 U
1,2,3,7,8,9-HxCDF	0.88 UJ	0.39 U	0.28 U	2 U	0.55 U	0.5 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.76 U	0.63 U	0.57 U	56	1.4 U	1.1 U
1,2,3,7,8-Pentachlorodibenzofuran	0.42 U	0.4 U	0.33 U	100	0.64 U	0.64 U
2,3,4,6,7,8-HxCDF	0.75 UJ	0.33 U	0.24 U	36	0.47 U	0.43 U
2,3,4,7,8-PeCDF	0.42 U	0.39 U	0.33 U	220	0.63 U	0.63 U
2,3,7,8-TCDD	0.31 U	0.37 U	0.26 U	84	0.38 U	0.53 U
2,3,7,8-Tetrachlorodibenzofuran	0.26 U	0.71 U	0.24 U	450 J	0.47 UJ	0.38 U
OCDD	240	280	210	450000 J	420	250
OCDF	27	3.8 U	2.2 U	21000	5.4 U	16 J
Total HpCDD	89	19	6.2	71000	18	34
Total HpCDF	61	2.6 U	1.5 U	24000	2.5 U	6.6
Total HxCDD	71	2 U	1.6 U	4600	1.2 U	0.85 U
Total HxCDF	5.7 J	0.8 U	1.3 U	5100	0.99 U	0.67 U
Total PeCDD	4.9 U	0.9 U	1.4 U	840	1.4 U	1.1 U
Total PeCDF	0.48 U	0.58 U	0.41 U	1900	0.64 U	0.66 U
Total TCDD	9	3.2	0.41 U	580	2.5	0.53 U
Total TCDF	0.26 U	0.71 U	0.38 U	4200 J	0.47 UJ	0.38 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	#20 11/18/2002 Earthworm Tissue pg/g	#21 11/18/2002 Earthworm Tissue pg/g	#22 11/18/2002 Earthworm Tissue pg/g	#23 11/18/2002 Earthworm Tissue pg/g	#24 11/18/2002 Earthworm Tissue pg/g	#25 11/18/2002 Earthworm Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	190	17	170	130	50	39
1,2,3,4,6,7,8-HpCDF	37	3.8 U	33	22	13	6.2 J
1,2,3,4,7,8,9-HpCDF	5.9 J	1.3 U	2.5 U	2 U	1.4 U	1.2 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	2.9 U	1.2 U	2.2 U	1.2 U	1.9 U	1.4 U
1,2,3,4,7,8-HxCDF	16	0.74 U	5.3 J	5.3 J	2.8 U	0.99 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	13	1.1 U	5.3 J	6.7 J	2.1 U	1.3 U
1,2,3,6,7,8-HxCDF	6.8 J	0.63 U	2.5 U	1.5 U	0.67 U	0.61 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	6.5 J	1.1 U	3.5 U	1.7 U	1.7 U	1.3 U
1,2,3,7,8,9-HxCDF	1 U	0.87 U	1 U	0.96 U	0.93 U	0.84 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	3 U	1.6 U	2.3 U	2.3 U	2.3 U	1.8 U
1,2,3,7,8-Pentachlorodibenzofuran	14	0.92 U	1.8 U	3.4 U	1.4 U	1 U
2,3,4,6,7,8-HxCDF	4.1 U	0.74 U	1.4 U	1.4 U	0.79 U	0.71 U
2,3,4,7,8-PeCDF	14	0.91 U	1.6 U	5.1 J	1.4 U	0.99 U
2,3,7,8-TCDD	1.4 J	0.54 U	1 J	2	0.87 U	0.63 U
2,3,7,8-Tetrachlorodibenzofuran	41	0.48 U	2.5	25	1.6 J	0.55 U
OCDD	2100	430	2500	1700	600	750
OCDF	110	17	130	94	60	28
Total HpCDD	380	38	340	270	94	86
Total HpCDF	120	15	100	81	44	22
Total HxCDD	87	1.6 U	38	36	6.1	3 U
Total HxCDF	120	4.4	27	63	12	3.2 U
Total PeCDD	32	1.6 U	7.1	6.5	2.3 U	1.8 U
Total PeCDF	150	0.96 U	8	44	3.5	1.1 U
Total TCDD	70	8.3	19	20	3.8	1.6
Total TCDF	280	1.4	34	150	10	1

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID	#26	#27	#28	#29	#3	#30
Sample Date	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002
Matrix	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue	Earthworm Tissue
Units	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Compound						
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	170	21	32	78	190	54
1,2,3,4,6,7,8-HpCDF	38	6 J	6 J	9.9 J	30	0.94 U
1,2,3,4,7,8,9-HpCDF	2.7 U	1.4 U	1.2 U	1.8 U	1.9 U	1.3 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	1.9 U	1.8 U	1.3 U	2.1 U	0.99 U	2.3 U
1,2,3,4,7,8-HxCDF	4.7 U	1.1 U	0.82 U	1.1 U	4.1 U	0.74 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	15	1.6 U	1.2 U	1.9 U	21	3.9 U
1,2,3,6,7,8-HxCDF	2.7 U	0.9 U	0.69 U	0.94 U	1.7 UJ	0.63 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	6.5 J	1.6 U	1.2 U	1.9 U	6 J	11
1,2,3,7,8,9-HxCDF	1 U	1.2 U	0.96 U	1.3 U	0.73 U	0.87 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	2.5 U	3 U	2.5 U	2.6 U	2.6 U	3.1 U
1,2,3,7,8-Pentachlorodibenzofuran	2.5 U	1.7 UJ	1.6 U	1.4 U	2.3 U	1.2 U
2,3,4,6,7,8-HxCDF	1.9 U	1.1 U	0.81 U	1.1 U	1 U	0.74 U
2,3,4,7,8-PeCDF	5.6 J	1.7 UJ	1.6 U	1.4 U	5.1 J	1.2 U
2,3,7,8-TCDD	0.98 U	0.75 UJ	0.77 UJ	1.6 J	0.79 U	0.82 U
2,3,7,8-Tetrachlorodibenzofuran	12	0.89 UJ	0.87 UJ	0.55 U	12	0.65 U
OCDD	1900	330	470	2400	3400	1700
OCDF	120	25	25	41	93	1.4 U
Total HpCDD	310	51	76	160	410	130
Total HpCDF	120	26	22	34	110	1.3 U
Total HxCDD	75	2.3 U	2.9 U	4.8 U	76	60
Total HxCDF	37	5.5	4.3 U	5.2	46	0.87 U
Total PeCDD	4.5 U	3 U	2.5 U	2.6 U	4.9 U	12
Total PeCDF	30	2.1 UJ	2.1 U	1.5 U	29	1.2 U
Total TCDD	27	13 J	4.5 J	3.1	41	8
Total TCDF	83	0.89 UJ	1.8 J	0.84 U	87	0.65 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	#4 11/18/2002 Earthworm Tissue pg/g	#5 11/18/2002 Earthworm Tissue pg/g	#6 11/18/2002 Earthworm Tissue pg/g	#7 11/18/2002 Earthworm Tissue pg/g	#8 11/18/2002 Earthworm Tissue pg/g	#9 11/18/2002 Earthworm Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	8.5 J	28	2200	190	74000	54
1,2,3,4,6,7,8-HpCDF	1.1 U	5.4 J	230	40	7100	13
1,2,3,4,7,8,9-HpCDF	0.81 U	0.88 U	14	1.4 U	400 J	1.3 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.8 U	0.88 U	7.1 J	0.98 U	140 J	0.82 UJ
1,2,3,4,7,8-HxCDF	0.46 U	0.8 U	5 J	4.2 U	300	5 J
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.72 U	0.9 U	45	3.4 U	1200	4.7 U
1,2,3,6,7,8-HxCDF	0.39 UJ	0.3 UJ	2.1 UJ	0.86 UJ	49 J	2.8 UJ
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.72 U	0.79 U	19	1.5 U	230	2.5 UJ
1,2,3,7,8,9-HxCDF	0.54 U	0.41 U	0.97 U	0.44 U	1.9 U	0.73 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	1 U	1.1 U	5.3 J	1.1 U	31	1.7 U
1,2,3,7,8-Pentachlorodibenzofuran	0.61 U	0.73 U	0.79 U	0.67 U	60	6 J
2,3,4,6,7,8-HxCDF	0.46 U	0.35 U	1.7 U	0.38 U	51	2 U
2,3,4,7,8-PeCDF	0.6 U	0.72 U	0.78 U	0.66 U	170	5.4 J
2,3,7,8-TCDD	0.55 U	0.47 U	1.3 J	0.55 U	31	0.83 U
2,3,7,8-Tetrachlorodibenzofuran	0.45 U	0.9 U	0.73 U	0.42 U	180 J	17 J
OCDD	310	490	51000	2400	1300000 J	630
OCDF	3.9 U	27	1800	300	100000	44
Total HpCDD	18	65	4500	350	150000	110
Total HpCDF	3.6 U	25	1200	140	39000	36
Total HxCDD	1.3 U	3.1	190	6	5300	23
Total HxCDF	1.5 U	8.1	150	8.5	5500	21
Total PeCDD	1.2 U	1.2 U	5.3	1.1 U	2300	6.7
Total PeCDF	0.61 U	1.6 U	7.7	0.67 U	1600	27
Total TCDD	0.55 U	37	28	0.96 U	760	22
Total TCDF	0.45 U	1.4	3.8	0.42 U	3200 J	75 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	Black Bullhead - Fillets 11/18/2002 Fish Tissue pg/g	Blue Gill - Whole Fish 11/18/2002 Fish Tissue pg/g	Carp - Fillets 11/18/2002 Fish Tissue pg/g	IN OS1 Insect Tissue pg/g	IN P1 10/10/2002 Insect Tissue pg/g	IN Q1 10/10/2002 Insect Tissue pg/g	IN Q2 10/10/2002 Insect Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	3.8 U	24	37	6.1 J	8.2 J	6.7 J	35000
1,2,3,4,6,7,8-HpCDF	1.3 U	0.83 U	5 U	0.65 U	1.9 U	0.62 U	2000
1,2,3,4,7,8,9-HpCDF	1.8 U	1.1 U	1.1 U	0.32 U	1 U	0.27 U	110
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	2.5 U	1.9 U	2.1 U	0.21 U	1.8 UJ	0.3 U	55
1,2,3,4,7,8-HxCDF	0.92 U	0.82 U	2.6 U	0.18 U	1.5 U	0.3 U	22
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	2 U	2.1 U	8.2 J	0.49 U	1.8 U	0.28 U	500
1,2,3,6,7,8-HxCDF	0.74 U	0.66 U	1.8 U	0.17 U	1.4 U	0.22 U	19
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	2.1 U	1.6 U	1.8 U	0.38 U	1.7 UJ	0.26 U	100
1,2,3,7,8,9-HxCDF	1.2 U	1.1 U	1 U	0.2 U	2.1 U	0.28 U	4 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	3.1 U	2.2 U	2 U	0.41 U	2.8 U	0.73 U	14
1,2,3,7,8-Pentachlorodibenzofuran	1.9 U	2.4 U	6.1 J	0.28 U	1.6 U	0.4 U	2.7 U
2,3,4,6,7,8-HxCDF	0.96 U	0.85 U	1.4 U	0.19 U	1.6 U	0.25 U	14
2,3,4,7,8-PeCDF	6 J	4 U	15	0.27 U	1.6 U	0.38 U	9.8
2,3,7,8-TCDD	0.92 UJ	1.4 J	1.8 J	0.29 UJ	1.6 UJ	0.39 UJ	1.4 J
2,3,7,8-Tetrachlorodibenzofuran	8.4	56	76	0.65 UJ	1.4 UJ	0.78 UJ	5.3
OCDD	29	50	73	77	88	99	230000
OCDF	3.9 U	1.7 U	2.5 U	2 U	6.7 U	3.1 U	6500
Total HpCDD	3.8 U	35	37	12	17	13	56000
Total HpCDF	1.8 U	1.1 U	5 U	1 U	1.9 U	2.4 U	11000
Total HxCDD	2.5 U	3.2 U	8.2	0.99 U	1.8 U	0.46 U	2900
Total HxCDF	1.2 U	1.7 U	2.6 U	0.2 U	2.1 U	0.44 U	1700
Total PeCDD	3.1 U	2.2 U	2 U	0.59 U	2.8 U	0.73 U	120
Total PeCDF	6	14	27	0.39 U	1.6 U	0.61 U	85
Total TCDD	0.92 UJ	1.4 J	1.8 J	1.2 UJ	1.6 U	0.39 UJ	7.7
Total TCDF	13	98	96	0.65 UJ	1.4 UJ	0.78 UJ	58

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	IN ROS1 10/10/2002 Insect Tissue pg/g	PL-O-1 08/10/2002 Plant Tissue pg/g	PL-O-2 08/10/2002 Plant Tissue pg/g	PL-O-3 08/10/2002 Plant Tissue pg/g	PL-OS-2 08/10/2002 Plant Tissue pg/g	PL-OS-3 08/10/2002 Plant Tissue pg/g	PL-OS-4 08/10/2002 Plant Tissue pg/g	PL-P-1 08/10/2002 Plant Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	600	190	17	1.6 U	1.2 U	1.9 U	1.5 U	12
1,2,3,4,6,7,8-HpCDF	62	20	1.9 U	0.35 U	0.34 U	0.68 U	0.24 U	2.3 U
1,2,3,4,7,8,9-HpCDF	2.2 U	0.63 U	0.11 U	0.11 U	0.12 U	0.11 U	0.09 U	0.14 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	5.5 J	2 U	0.22 U	0.16 UJ	0.18 UJ	0.15 UJ	0.15 UJ	0.25 U
1,2,3,4,7,8-HxCDF	3 U	0.99 U	0.18 U	0.18 U	0.2 U	0.11 U	0.11 U	0.24 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	13	4.4 J	0.45 U	0.15 U	0.17 U	0.31 U	0.14 U	0.4 U
1,2,3,6,7,8-HxCDF	1.3 U	0.43 U	0.14 U	0.12 U	0.11 U	0.1 U	0.1 U	0.22 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	5.9 J	3.6 J	0.34 U	0.17 U	0.19 U	0.13 U	0.13 U	0.45 U
1,2,3,7,8,9-HxCDF	2 U	0.35 U	0.17 U	0.15 U	0.13 U	0.13 U	0.12 U	0.27 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	2.6 U	0.82 U	0.36 U	0.36 U	0.37 U	0.31 U	0.31 U	0.4 U
1,2,3,7,8-Pentachlorodibenzofuran	1.3 U	0.22 U	0.16 U	0.17 U	0.16 U	0.12 U	0.14 U	0.2 U
2,3,4,6,7,8-HxCDF	1.5 U	0.72 U	0.16 U	0.14 U	0.12 U	0.12 U	0.11 U	0.25 U
2,3,4,7,8-PeCDF	1.4 U	0.28 U	0.16 U	0.16 U	0.16 U	0.12 U	0.13 U	0.2 U
2,3,7,8-TCDD	1.2 J	0.32 U	0.19 U	0.16 UJ	0.17 UJ	0.13 UJ	0.12 UJ	0.26 U
2,3,7,8-Tetrachlorodibenzofuran	2.3	1.7	0.39 U	0.34 U	0.33 U	0.25 U	0.22 U	0.71 U
OCDD	7900	3800	270	13	7.9 J	15	13	120
OCDF	230	85	7.4 J	0.58 U	0.56 U	1.4 U	0.27 U	9.7 J
Total HpCDD	1300	450	37	2.3 U	2 U	1.9 U	1.9 U	25
Total HpCDF	200	54	3.6	0.65 U	0.34 U	0.76 U	0.24 U	3.9
Total HxCDD	140	66	3.3	1.6 U	1.7 U	0.57 U	0.85 U	2 U
Total HxCDF	56	8.9	0.66 U	0.34 U	0.25 U	0.14 U	0.15 U	0.93 U
Total PeCDD	51	10	1 U	1 U	0.37 U	0.84 U	0.39 U	1.2 U
Total PeCDF	20	1.7 U	0.37 U	0.24 U	0.29 U	0.21 U	0.17 U	0.7 U
Total TCDD	25	3.3	0.23 U	0.16 UJ	0.32 UJ	2.8 J	0.29 UJ	0.58
Total TCDF	34	0.59 J	0.39 U	0.34 U	0.33 U	0.25 U	0.22 U	0.71 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	PL-P-2 08/10/2002 Plant Tissue pg/g	PL-P-3 08/10/2002 Plant Tissue pg/g	PL-P-4 08/10/2002 Plant Tissue pg/g	PL-Q-10 09/10/2002 Plant Tissue pg/g	PL-Q-11 09/10/2002 Plant Tissue pg/g	PL-Q-12 09/10/2002 Plant Tissue pg/g	PL-Q-13 09/10/2002 Plant Tissue pg/g	PL-Q-14 09/10/2002 Plant Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	3 J	9.6	2.1 U	1.1 U	0.74 U	2.2 U	1.3 U	1 U
1,2,3,4,6,7,8-HpCDF	0.55 U	1.7 U	0.67 U	0.22 U	0.15 U	0.44 U	0.17 U	0.22 U
1,2,3,4,7,8,9-HpCDF	0.13 U	0.14 U	0.09 U	0.082 U	0.066 U	0.087 U	0.13 U	0.088 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.19 U	0.2 U	0.19 U	0.17 U	0.1 U	0.091 U	0.19 U	0.12 U
1,2,3,4,7,8-HxCDF	0.18 U	0.19 U	0.16 U	0.2 U	0.094 U	0.17 U	0.14 U	0.085 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.18 U	0.41 U	0.18 U	0.17 U	0.1 U	0.16 U	0.18 U	0.11 U
1,2,3,6,7,8-HxCDF	0.16 U	0.17 U	0.15 U	0.17 U	0.076 U	0.058 U	0.13 U	0.077 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.16 U	0.38 U	0.17 U	0.27 U	0.09 U	0.079 U	0.17 U	0.12 U
1,2,3,7,8,9-HxCDF	0.2 U	0.21 U	0.18 U	0.12 U	0.094 U	0.072 U	0.16 U	0.1 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.35 U	0.34 U	0.43 U	0.29 U	0.18 U	0.17 U	0.36 U	0.17 U
1,2,3,7,8-Pentachlorodibenzofuran	0.18 U	0.17 U	0.16 U	0.24 U	0.13 U	0.13 U	0.22 U	0.11 U
2,3,4,6,7,8-HxCDF	0.18 U	0.2 U	0.17 U	0.13 U	0.086 U	0.066 U	0.15 U	0.087 U
2,3,4,7,8-PeCDF	0.17 U	0.16 U	0.15 U	0.23 U	0.12 U	0.12 U	0.21 U	0.1 U
2,3,7,8-TCDD	0.21 U	0.25 U	0.21 U	0.12 U	0.1 U	0.1 U	0.19 U	0.11 U
2,3,7,8-Tetrachlorodibenzofuran	0.56 U	0.56 U	0.51 U	0.25 UJ	0.19 U	0.22 U	0.35 UJ	0.21 U
OCDD	38	120	31	8.9 J	13	24	13	9.1 J
OCDF	2.7 U	8 J	2.3 U	0.41 U	0.33 U	0.89 U	0.62 U	0.29 U
Total HpCDD	6	20	2.2 U	1.8 U	0.83 U	2.3 U	1.6 U	1.3 U
Total HpCDF	0.96 U	3.4	0.93 U	0.22 U	0.15 U	0.6 U	0.23 U	0.22 U
Total HxCDD	0.65 U	3.4	0.57 U	0.17 U	0.26 U	0.48 U	0.44 U	0.57 U
Total HxCDF	0.2 U	0.74 U	0.18 U	0.11 U	0.094 U	0.17 U	0.16 U	0.1 U
Total PeCDD	0.41 U	1.6 U	0.43 U	0.29 U	0.18 U	0.2 U	0.36 U	0.17 U
Total PeCDF	0.3 U	0.69 U	0.3 U	0.24 U	0.17 U	0.19 U	0.28 U	0.18 U
Total TCDD	0.21 U	0.96	0.31 U	0.12 U	0.1 U	0.1 U	0.19 U	0.11 U
Total TCDF	0.56 U	0.56 U	0.51 U	0.25 UJ	0.19 U	0.24 U	0.35 UJ	0.21 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	PL-Q-15 09/10/2002 Plant Tissue pg/g	PL-Q-16 09/10/2002 Plant Tissue pg/g	PL-Q-17 09/10/2002 Plant Tissue pg/g	PL-Q-18 09/10/2002 Plant Tissue pg/g	PL-Q-19 09/10/2002 Plant Tissue pg/g	PL-Q-20 09/10/2002 Plant Tissue pg/g	PL-Q-21 09/10/2002 Plant Tissue pg/g	PL-Q-9 09/10/2002 Plant Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	0.45 U	2.6 J	1.3 U	1.5 U	3 J	2.5 J	2.9 J	2.7 J
1,2,3,4,6,7,8-HpCDF	0.1 U	0.53 U	0.24 U	0.31 U	0.71 U	0.43 U	0.58 U	0.37 U
1,2,3,4,7,8,9-HpCDF	0.088 U	0.083 U	0.093 U	0.1 U	0.092 U	0.1 U	0.16 U	0.087 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.11 U	0.12 UJ	0.12 U	0.12 U	0.13 U	0.13 U	0.17 U	0.095 U
1,2,3,4,7,8-HxCDF	0.093 U	0.16 U	0.1 U	0.14 U	0.11 U	0.11 U	0.29 U	0.15 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.1 U	0.16 U	0.11 U	0.13 U	0.23 U	0.2 U	0.33 U	0.13 U
1,2,3,6,7,8-HxCDF	0.085 U	0.086 U	0.091 U	0.12 U	0.1 U	0.1 U	0.14 U	0.072 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.093 U	0.21 U	0.11 U	0.17 U	0.18 U	0.27 U	0.24 U	0.1 U
1,2,3,7,8,9-HxCDF	0.1 U	0.11 U	0.11 U	0.15 U	0.12 U	0.12 U	0.18 U	0.088 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.22 U	0.26 U	0.27 U	0.33 U	0.25 U	0.19 U	0.48 U	0.2 U
1,2,3,7,8-Pentachlorodibenzofuran	0.14 U	0.16 U	0.16 U	0.19 U	0.16 U	0.11 U	0.28 UJ	0.1 U
2,3,4,6,7,8-HxCDF	0.1 U	0.1 U	0.1 U	0.14 U	0.11 U	0.11 U	0.18 U	0.081 U
2,3,4,7,8-PeCDF	0.14 U	0.16 U	0.16 U	0.18 U	0.15 U	0.1 U	0.27 UJ	0.1 U
2,3,7,8-TCDD	0.17 U	0.14 UJ	0.14 U	0.21 UJ	0.16 UJ	0.1 U	0.27 UJ	0.1 U
2,3,7,8-Tetrachlorodibenzofuran	0.32 U	0.29 U	0.24 UJ	0.37 UJ	0.23 UJ	0.31 U	0.47 UJ	0.2 U
OCDD	3.3 U	26	11	11	31	19	30	28
OCDF	0.15 U	0.86 U	0.52 U	0.49 U	1.4 U	0.87 U	1.3 U	1.1 U
Total HpCDD	0.55 U	6.4	1.9 U	1.9 U	6.7	5.4	6.2	5.8
Total HpCDF	0.1 U	0.56 U	0.32 U	0.31 U	0.98 U	0.73 U	0.64 U	0.37 U
Total HxCDD	0.24 U	1 U	0.59 U	0.77 U	0.8 U	1.1 U	0.72 U	0.34 U
Total HxCDF	0.1 U	0.28 U	0.11 U	0.17 U	0.26 U	0.15 U	0.29 U	0.15 U
Total PeCDD	0.23 U	0.47 U	0.27 U	0.33 U	0.25 U	0.19 U	0.48 U	0.2 U
Total PeCDF	0.25 U	0.35 U	0.2 U	0.3 U	0.22 U	0.29 U	0.39 UJ	0.18 U
Total TCDD	0.17 U	0.17 UJ	0.14 U	0.21 UJ	0.16 UJ	0.1 U	0.27 UJ	0.1 U
Total TCDF	0.32 U	0.29 U	0.24 UJ	0.37 UJ	0.23 UJ	0.31 U	0.47 UJ	0.2 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-5
Sauget Area 2 RI/FS Data Report - Biota
Method 8290 - PCDD/PCDF Data

Sample ID Sample Date Matrix Units Compound	PL-R-1 08/10/2002 Plant Tissue pg/g	PL-R-2 08/10/2002 Plant Tissue pg/g	PL-R-3 08/10/2002 Plant Tissue pg/g	PL-R-4 08/10/2002 Plant Tissue pg/g	PL-R-5 08/10/2002 Plant Tissue pg/g	PL-S-1 08/10/2002 Plant Tissue pg/g
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	2 U	1.5 U	9.3	1.7 U	29	1.9 U
1,2,3,4,6,7,8-HpCDF	0.41 U	0.29 U	1.1 U	0.39 U	2.8 J	0.31 U
1,2,3,4,7,8,9-HpCDF	0.1 U	0.08 U	0.19 U	0.1 U	0.14 U	0.12 U
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	0.15 UJ	0.15 UJ	0.39 UJ	0.17 UJ	0.95 UJ	0.14 UJ
1,2,3,4,7,8-HxCDF	0.13 U	0.12 U	0.43 U	0.15 U	0.32 U	0.11 U
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	0.18 U	0.14 U	0.66 U	0.16 U	1.6 U	0.13 U
1,2,3,6,7,8-HxCDF	0.1 U	0.11 U	0.21 U	0.14 U	0.19 U	0.1 U
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	0.15 U	0.13 U	0.68 U	0.15 U	1.5 U	0.15 U
1,2,3,7,8,9-HxCDF	0.12 U	0.13 U	0.15 U	0.17 U	0.21 U	0.13 U
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	0.28 U	0.27 U	0.29 U	0.36 U	0.79 U	0.35 U
1,2,3,7,8-Pentachlorodibenzofuran	0.15 U	0.12 U	0.16 U	0.16 U	0.16 U	0.14 U
2,3,4,6,7,8-HxCDF	0.11 U	0.12 U	0.21 U	0.16 U	0.19 U	0.12 U
2,3,4,7,8-PeCDF	0.14 U	0.12 U	0.21 U	0.15 U	0.16 U	0.13 U
2,3,7,8-TCDD	0.12 UJ	0.16 UJ	0.13 UJ	0.17 UJ	0.25 UJ	0.18 UJ
2,3,7,8-Tetrachlorodibenzofuran	0.29 U	0.31 U	0.36 U	0.32 U	0.32 U	0.3 U
OCDD	18	12	99	13	340	20
OCDF	0.59 U	0.56 U	2.9 U	0.6 U	10	0.92 U
Total HpCDD	2.9	1.8 U	20	2.5 U	68	1.9 U
Total HpCDF	0.41 U	0.38 U	1.2 U	0.39 U	7.8	0.51 U
Total HxCDD	1 U	0.77 U	5.3	1.3 U	17	0.66 U
Total HxCDF	0.28 U	0.15 U	0.43 U	0.17 U	2.1 U	0.13 U
Total PeCDD	0.39 U	0.37 U	1.1 U	0.64 U	2.4 U	0.35 U
Total PeCDF	0.26 U	0.3 U	0.66 U	0.29 U	0.52 U	0.26 U
Total TCDD	0.13 UJ	0.42 UJ	0.32 UJ	0.35 UJ	0.47 UJ	0.22 UJ
Total TCDF	0.29 U	0.31 U	0.36 U	0.32 U	0.32 U	0.3 U

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID Sample Date Matrix Units Compound	#1 11/18/2002 Earthworm Tissue mg/kg	#10 11/18/2002 Earthworm Tissue mg/kg	#11 11/18/2002 Earthworm Tissue mg/kg	#12 11/18/2002 Earthworm Tissue mg/kg	#13 11/18/2002 Earthworm Tissue mg/kg	#14 11/18/2002 Earthworm Tissue mg/kg	#15 11/18/2002 Earthworm Tissue mg/kg
Aluminum	520 J	850 J	490 J	710 J	870 J	420 J	220 J
Antimony	2 U	2 U	1.8 U	2 U	2 U	1.8 U	2 U
Arsenic	4.1	5	5.6	5.4	6.1	5.5	5.9
Barium	9.9	12	15	7.8	17	14	8.3
Beryllium	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.36 U	0.4 U
Cadmium	1.2	1.3	0.88	1.1	1.1	1.5	0.89
Calcium	730	1900	1100	790	1600	960	910
Chromium	1	1.7	1	1.3	1.5	0.94	1 U
Cobalt	1.4	1.8	1.5	1.5	1.8	1.5	1.3
Copper	3.1	7.7	2.6	3.7	3.6	7.9	2
Iron	900	1700	1100	1300	1700	1100	490
Lead	2.8	2.9	1.9	1.6	2.8	4.4	2.5
Magnesium	300	910	360	410	630	360	300
Manganese	14	54	39	33	41	29	13
Mercury	0.026 J	0.076 J	0.02 J	0.03 J	0.027 J	0.047 J	0.03 J
Nickel	4 U	2.1	1.3	1.3	1.9	1.5	4 U
Potassium	1100	1300	1200	1300	1400	1200	1200
Selenium	0.67 J	1 UJ	0.53 J	0.7 J	0.53 J	0.53 J	1 UJ
Silver	1 U	1 U	0.91 U	1 U	1 U	0.91 U	1 U
Sodium	600	640	620	660	680	610	620
Thallium	1 U	1 U	0.91 U	1 U	1 U	0.91 U	1 U
Vanadium	1.5	3.1	1.6	2.3	2.4	1.5	0.75
Zinc	26 J	31 J	30 J	29 J	30 J	52 J	18 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID Sample Date Matrix Units Compound	#16 11/18/2002 Earthworm Tissue mg/kg	#17 11/18/2002 Earthworm Tissue mg/kg	#18 11/18/2002 Earthworm Tissue mg/kg	#19 11/18/2002 Earthworm Tissue mg/kg	#2 11/18/2002 Earthworm Tissue mg/kg	#20 11/18/2002 Earthworm Tissue mg/kg	#21 11/18/2002 Earthworm Tissue mg/kg
Aluminum	420 J	690 J	960 J	410 J	1600 J	880 J	370
Antimony	2 U	1.8 U	2 U	1.8 U	0.47	2 U	2 UJ
Arsenic	5.6	5.1	6.3	4.3	11	5.8	7.3
Barium	6.1	8.3	16	6.5	33	16	8.7
Beryllium	0.4 U	0.36 U	0.4 U	0.36 U	0.47	0.4 U	0.4 U
Cadmium	0.94	0.8	2.6	0.91	1.2	1.5	1.5
Calcium	710	760	1200	680	2800	1300	1000
Chromium	1 U	1.2	1.7	0.91 U	11	1.9	0.8
Cobalt	1.5	1.5	1.9	1.2	5.9	2.1	1.6
Copper	3.1	3.3	9.1	2.7	14	5	4.5
Iron	780	1200	1900	780	6800	1600	750
Lead	0.87	1.4	3.9	2.4	15	6.5	2
Magnesium	320	380	560	350	300	500	340
Manganese	26	37	52	34	91	33	26
Mercury	0.026 J	0.023 J	0.42 J	0.027 J	0.017 J	0.022 J	0.19 UJ
Nickel	4 U	1.4	2.2	3.6 U	18	2.5	4 U
Potassium	1400	1200	1400	1000	1100	1400	1400
Selenium	0.48 J	0.91 UJ	0.73 J	0.91 UJ	2.2 J	0.72 J	0.62 J
Silver	1 U	0.91 U	1 U	0.91 U	1 U	1 U	1 U
Sodium	700	620	650	550	530	700	730
Thallium	1 U	0.91 U	1 U	0.91 U	1 U	1 U	1 U
Vanadium	1.4	2.2	3.2	1.3	18	2.4	1.2
Zinc	22 J	21 J	42 J	21 J	92 J	39 J	34 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID Sample Date Matrix Units Compound	#22 11/18/2002 Earthworm Tissue mg/kg	#23 11/18/2002 Earthworm Tissue mg/kg	#24 11/18/2002 Earthworm Tissue mg/kg	#25 11/18/2002 Earthworm Tissue mg/kg	#26 11/18/2002 Earthworm Tissue mg/kg	#27 11/18/2002 Earthworm Tissue mg/kg	#28 11/18/2002 Earthworm Tissue mg/kg
Aluminum	1200	1900	680	830	800	670	470
Antimony	0.42 J	2 UJ	2 UJ	2 UJ	0.42	2 U	2 U
Arsenic	5.9	5.2	4.9	4.2	5.1	5.7	4.7
Barium	33	36	10	14	17	13	10
Beryllium	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	2.1	1.3	1.3	1.2	1	0.88	0.92
Calcium	940	1500	1900	810	1400	920	870
Chromium	2.3	3.4	1.6	1.4	1.6	1.2	0.85
Cobalt	1.9	1.9	1.8	1.5	1.7	1.6	1.2
Copper	30	6.4	5.6	4.9	10	2.8	3.2
Iron	2300	3200	1300	1400	1400	1200	850
Lead	23	8.4	8.5	4.1	7.3	2.1	3.1
Magnesium	480	660	940	340	480	360	300
Manganese	60	52	41	45	39	32	24
Mercury	0.096	0.014	0.071	0.019 J	0.017 J	0.017 J	0.014 J
Nickel	4.7	2.8	1.6	1.4	2.1	4 U	4 U
Potassium	1400	1300	1300	1100	1400	1400	1000
Selenium	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Silver	0.27	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	570	520	590	570	670	660	540
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	3.9	4.7	3	2.2	2.1	1.7	1.4
Zinc	86 J	47 J	40 J	34 J	36 J	36 J	19 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID Sample Date Matrix Units Compound	#29 11/18/2002 Earthworm Tissue mg/kg	#3 11/18/2002 Earthworm Tissue mg/kg	#30 11/18/2002 Earthworm Tissue mg/kg	#4 11/18/2002 Earthworm Tissue mg/kg	#5 11/18/2002 Earthworm Tissue mg/kg	#6 11/18/2002 Earthworm Tissue mg/kg	#7 11/18/2002 Earthworm Tissue mg/kg
Aluminum	790	250 J	230	430 J	310 J	660 J	510 J
Antimony	2 U	2 U	2 U	1.8 U	1.8 U	1.8 U	0.52
Arsenic	5.8	5.6	2.8	5.6	5.4	6.4	12
Barium	13	10	3.5	5.3	7	16	16
Beryllium	0.4 U	0.4 U	0.4 U	0.36 U	0.36 U	0.36 U	0.31
Cadmium	1.7	0.9	0.19 J	0.67	0.75	1.4	1.4
Calcium	930	860	980	670	1300	2200	1100
Chromium	1.6	0.7	0.37	0.78	0.77	1.6	2.3
Cobalt	1.8	1.3	0.69	1.4	1.4	1.9	3.7
Copper	5.6	9.5	1.4	2.8	2	7.4	13
Iron	1400	510	210	740	920	1400	830
Lead	3.8	4.4	0.73 U	0.76	1.6	14	12
Magnesium	370	220	440	280	460	480	170
Manganese	48	14	5.2	29	25	41	7.8
Mercury	0.078	0.018 J	0.016 J	0.024 J	0.018 J	0.055 J	0.04 J
Nickel	1.4	1.2	4 U	3.6 U	1.2	2.2	6.4
Potassium	1200	1300	870	1300	1100	1200	1200
Selenium	1 UJ	0.55 J	1 UJ	0.48 J	0.45 J	0.55 J	0.91 J
Silver	1 U	1 U	1 U	0.91 U	0.91 U	0.91 U	1 U
Sodium	650	630	490	640	570	600	590
Thallium	1 U	1 U	1 U	0.91 U	0.91 U	0.91 U	1 U
Vanadium	2.5	0.72	0.59	1.4	1.2	2.7	4.9
Zinc	32 J	29 J	11 J	20 J	25 J	63 J	98 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID Sample Date Matrix Units Compound	#8 11/18/2002 Earthworm Tissue mg/kg	#9 11/18/2002 Earthworm Tissue mg/kg	Black Bullhead - Fillets 11/18/2002 Fish Tissue mg/kg	Blue Gill - Whole Fish 11/18/2002 Fish Tissue mg/kg	Carp - Fillets 11/18/2002 Fish Tissue mg/kg	IN P1 10/10/2002 Insect Tissue mg/kg	IN Q1 10/10/2002 Insect Tissue mg/kg	IN Q2 10/10/2002 Insect Tissue mg/kg
Aluminum	520 J	350 J	24	16	20 U	16	35	31
Antimony	2 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	1.7 U	1.7 U
Arsenic	5.4	3.4	0.78	0.73	0.82	0.91 U	0.83 U	0.83 U
Barium	8.3	8.2	0.91 U	5.3	1 U	1.8	3.2	1.8
Beryllium	0.4 U	0.36 U	0.36 U	0.36 U	0.4 U	0.36 U	0.33 U	0.33 U
Cadmium	1.6	0.86	0.45 UJ	0.45 UJ	0.5 UJ	0.81	1.6	0.12
Calcium	1100	690	88 J	12000 J	220 J	740 J	750 J	450 J
Chromium	1 U	0.93 U	0.91 U	0.33	1 U	0.21	0.16	0.19
Cobalt	1.7	1.1	0.91 U	0.91 U	1 U	0.91 U	0.83 U	0.83 U
Copper	8.9	2.6	0.24	0.91	0.37	14	32	23
Iron	890	620	4.2	57	11	43	74	83
Lead	2.6	3.4	0.45 U	0.45 U	0.5 U	2	0.39	0.75
Magnesium	380	230	220	430	210	380	450	390
Manganese	38	18	0.91 U	9.9	0.2	4.5	26	6.1
Mercury	0.32 J	0.01 J	0.25	0.062	0.071	0.18 J	0.12 J	0.17 J
Nickel	1.5	1.2	3.6 U	3.6 U	4 U	3.6 U	3.3 U	3.3 U
Potassium	1400	840	4000	2800	3600	3400	3300	3500
Selenium	1 UJ	0.91 UJ	0.91 UJ	0.91 UJ	1 UJ	2.6 U	0.83 U	0.83 U
Silver	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	0.57	0.83 U
Sodium	690	470	390	920	400	360	290	280
Thallium	1 U	0.91 U	0.91 UJ	0.91 UJ	1 UJ	0.91 U	0.83 U	0.83 U
Vanadium	1.6	0.98	0.91 U	0.91 U	1 U	0.91 U	0.83 U	0.83 U
Zinc	35 J	22 J	5.1 U	46	6.6 U	87 J	48 J	57 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID	IN ROS1	PL-O-1	PL-O-2	PL-O-3	PL-OS-2	PL-OS-3	PL-OS-4	PL-P-1	PL-P-2	PL-P-3	PL-P-4
Sample Date	10/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Insect Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound											
Aluminum	15	7.5	14	8.1	13	13	130	41	8.2	13	51
Antimony	2 U	1.8 U	1.8 U	2 U	2 U	2 U	2 U	0.52	2 U	1.8 U	2 U
Arsenic	1 U	0.91 U	0.91 U	1 U	1 U	1 U	1 U	1 U	0.41	0.91 U	1 U
Barium	1.9	2.5	7.6	5.1	8.5	8.9	15	4.7	3.9	5.3	5.4
Beryllium	0.4 U	0.36 U	0.36 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.36 U	0.4 U
Cadmium	0.36	0.2	0.13	0.13	0.55	0.12	0.5 U	0.55	0.25	0.28	0.17
Calcium	450 J	1200 J	3600 J	1600 J	1900 J	1300 J	3200 J	3000 J	1200 J	1800 J	1400 J
Chromium	0.2	0.21	0.91 U	0.31	0.29	0.18	0.51	0.41	0.35	0.19	0.3
Cobalt	1 U	0.91 U	0.91 U	1 U	1 U	1 U	1 U	1	1 U	0.91 U	1 U
Copper	20	3.5	4	4	4.6	4.6	2.7	6.9	3.7	4.4	4.8
Iron	39	24	42	28	38	32	260	100	35	39	110
Lead	1	0.75 J	1.4 J	0.65 J	1.4 J	0.46 J	0.92 J	4.7 J	1.2 J	2.2 J	5 J
Magnesium	360	560	780	810	480	560	1100	740	480	500	630
Manganese	5.5	12	11	10	20	3.9	12	6.1	7.9	6	7.5
Mercury	0.13 J	0.19	0.91	0.14	0.76	0.22	0.21	1	0.27	0.5	0.29
Nickel	4 U	3.6 U	3.6 U	4 U	4 U	4 U	4 U	3.9	4 U	3.6 U	4 U
Potassium	3800	3500 J	5800 J	3200 J	9600 J	5300 J	4900 J	4600 J	4000 J	4500 J	3200 J
Selenium	1 U	0.91 U	0.91 U	1 U	1 U	1 U	1 U	12	1 U	0.43	1 U
Silver	1 U	0.91 U	0.91 U	1 U	1 U	1 U	1 U	1 U	1 U	0.91 U	1 U
Sodium	330	45 U	45 U	50 U	50 U	50 U	50 U	53 U	50 U	340	50 U
Thallium	1 U	0.91 U	0.91 U	1 U	1 U	1 U	1 U	1 U	1 U	0.91 U	1 U
Vanadium	1 U	0.91 U	0.91 U	1 U	1 U	1 U	0.47	0.36	1 U	0.91 U	0.25
Zinc	56 J	22 J	25 J	18 J	65 J	36 J	11 J	79 J	31 J	50 J	35 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID	PL-Q-10	PL-Q-11	PL-Q-12	PL-Q-13	PL-Q-14	PL-Q-15	PL-Q-16	PL-Q-17	PL-Q-18	PL-Q-19	PL-Q-20
Sample Date	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002	09/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound											
Aluminum	7.3	31	19	29	13	9.6	32	11	14	32	20
Antimony	2 U	2 U	2 U	1.8 U	1.7 U	2 U	2 U	1.8 U	2 U	2 U	1.8 U
Arsenic	1 U	1 U	1 U	0.91 U	0.83 U	1 U	1 U	0.91 U	1 U	1 U	0.91 U
Barium	8.7	2.6	3.9	4.6	4.8	2.5	22	13	8.7	32	25
Beryllium	0.4 U	0.4 U	0.4 U	0.36 U	0.33 U	0.4 U	0.4 U	0.36 U	0.4 U	0.4 U	0.36 U
Cadmium	0.28	0.071	0.11	0.25	0.098	0.14	0.13	0.45 U	0.22	0.12	0.059
Calcium	2000 J	1500 J	1400 J	1600 J	2100 J	2400 J	3700 J	5600 J	2200 J	4300 J	4400 J
Chromium	1 U	0.83	1 U	0.91 U	0.17	1 U	1 U	0.91 U	0.19	1 U	0.17
Cobalt	1 U	1 U	1 U	0.91 U	0.83 U	1 U	1 U	0.91 U	1 U	1 U	0.91 U
Copper	3.7	3.3	2.5	2.5	2.9	8.7	6.7	1.2	2.2	4.5	1.8
Iron	33	66	43	61	39	30	69	26	41	67	52
Lead	0.39	1.1	0.52	0.55	0.89	0.39	1.2	0.52	0.55	0.77	1
Magnesium	920	550	820	770	790	830	840	650	920	1300	940
Manganese	4.6	23	6.6	11	7	5.7	29	6.6	8.8	22	20
Mercury	0.28 J	0.22 J	0.26 J	0.27 J	1.3 J	0.53 J	0.79 J	0.097 J	0.3 J	0.2 J	0.44 J
Nickel	4 U	4 U	4 U	3.6 U	3.3 U	4 U	4 U	3.6 U	4 U	4 U	3.6 U
Potassium	4300	3800	10000	6900	2800	8100	7300	6400	3800	5500	6800
Selenium	1 U	1 U	0.59	0.47	0.83 U	1 U	0.59	0.91 U	1 U	0.67	0.91 U
Silver	1 U	1 U	1 U	0.91 U	0.83 U	1 U	1 U	0.91 U	1 U	1 U	0.91 U
Sodium	50 U	50 U	50 U	45 U	41 U	50 U	50 U	45 U	50 U	50 U	50 U
Thallium	1 U	1 U	1 U	0.91 U	0.83 U	1 U	1 U	0.91 U	1 U	1 U	0.91 U
Vanadium	1 U	1 U	1 U	0.91 U	0.83 U	1 U	1 U	0.91 U	1 U	1 U	0.91 U
Zinc	42	20	13	30	28	35	34	7	20	24	14

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID	PL-Q-21	PL-Q-9	PL-R-1	PL-R-2	PL-R-3	PL-R-4	PL-R-5	PL-S-1
Sample Date	09/10/2002	09/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002	08/10/2002
Matrix	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue	Plant Tissue
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound								
Aluminum	75	55	25	14	37	12	27	9.5
Antimony	1.8 U	2 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	2 U
Arsenic	0.91 U	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Barium	6.6	12	7.8	13	7.1	8.2	11	5.4
Beryllium	0.36 U	0.4 U	0.36 U	0.36 U	0.36 U	0.4 U	0.36 U	0.4 U
Cadmium	0.15	0.23	0.35	0.2	0.12	0.089	0.23	0.5 U
Calcium	1500 J	2500 J	2100 J	1700 J	1600 J	1800 J	1400 J	1800 J
Chromium	0.46	0.24	0.26	0.5	0.21	0.18	0.24	0.24
Cobalt	0.91 U	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Copper	2.7	6.8	2.5	3.5	2.5	2.8	2.8	3.8
Iron	130	100	48	38	72	38	60	37
Lead	0.76	0.77	7.6 J	4.2 J	2.5 J	2.1 J	3.4 J	0.99 J
Magnesium	820	1600	1200	930	1000	930	740	770
Manganese	12	8.9	8.7	8.4	9.7	6.7	9.3	6.7
Mercury	0.41 J	0.63 J	1.1	0.91	1.3	2.5	2.1	1.3
Nickel	3.6 U	4 U	3.6 U	3.6 U	3.6 U	4 U	3.6 U	2.6
Potassium	7200	7300	6400 J	6200 J	5300 J	7100 J	6400 J	4000 J
Selenium	0.65	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Silver	0.91 U	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Sodium	45 U	50 U	45 U	45 U	45 U	50 U	45 U	50 U
Thallium	0.91 U	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Vanadium	0.91 U	1 U	0.91 U	0.91 U	0.91 U	1 U	0.91 U	1 U
Zinc	17	24	26 J	44 J	20 J	17 J	25 J	17 J

DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported