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242861

Compilation of Analytical Data for Site Q, Sauget Area 2 Sauget, Illinois

Prepared for

USEPA, Region 5

November 15, 2005

Submitted by: CH2M HILL

Compilation of Analytical Data for Site Q, Sauget Area 2, Sauget, Illinois

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DATE: November 15, 2005

At the request of the U.S. Environmental Protection Agency (USEPA), CH2M HILL has compiled analytical data collected from Sites Q North, Q Central, and Q South, located at Sauget Area 2 (SA2) in Sauget, Illinois.

Document Overview

Analytical data presented in this document were collected by the SA2 Sites Group (SA2SG) and their contractors during the 2002 Remedial Investigation (RI) at SA2.

In 2005, additional data were collected from Site Q as part of the Supplemental Investigation (SI) at SA2. Pre-validated analytical data from the SI, including revised groundwater isoconcentration maps, will be submitted by the SA2SG to USEPA on November 21, 2005. Approximate sampling locations from the 2005 SI, along with the corresponding laboratory parameters, are presented in this compilation document. Please note that some of the sampling locations were adjusted in the field during the course of the SI. Updated sample location figures will be provided by the SA2SG on November 21, 2005.

Data Sources

Data presented in this document were compiled from the following sources:

- AMEC Earth and Environmental, Inc., March 2004. *Draft Baseline Ecological Risk Assessment, Sauget Area 2 Sites (Sites O, P, Q, R, and S), Sauget Illinois.*
- Sauget Area 2 Sites Group (SA2SG), October 2004. Draft Isoconcentration Maps provided in Interim Deliverables for SA2SG Meeting with USEPA on October 26, 2004.
- SA2SG, June 2003. *RI/FS Field Sampling Report, Sauget Area 2 Sites, Sauget, Illinois.*
- SA2SG, April 2003. *RI/FS Support Sampling Data Report, Sauget Area 2 Sites, Sauget, Illinois.*
- URS Corporation, January 2004. *Draft Remedial Investigation/Feasibility Study Report, Sauget Area 2 Sites, Sauget, Illinois.*

Table of Contents

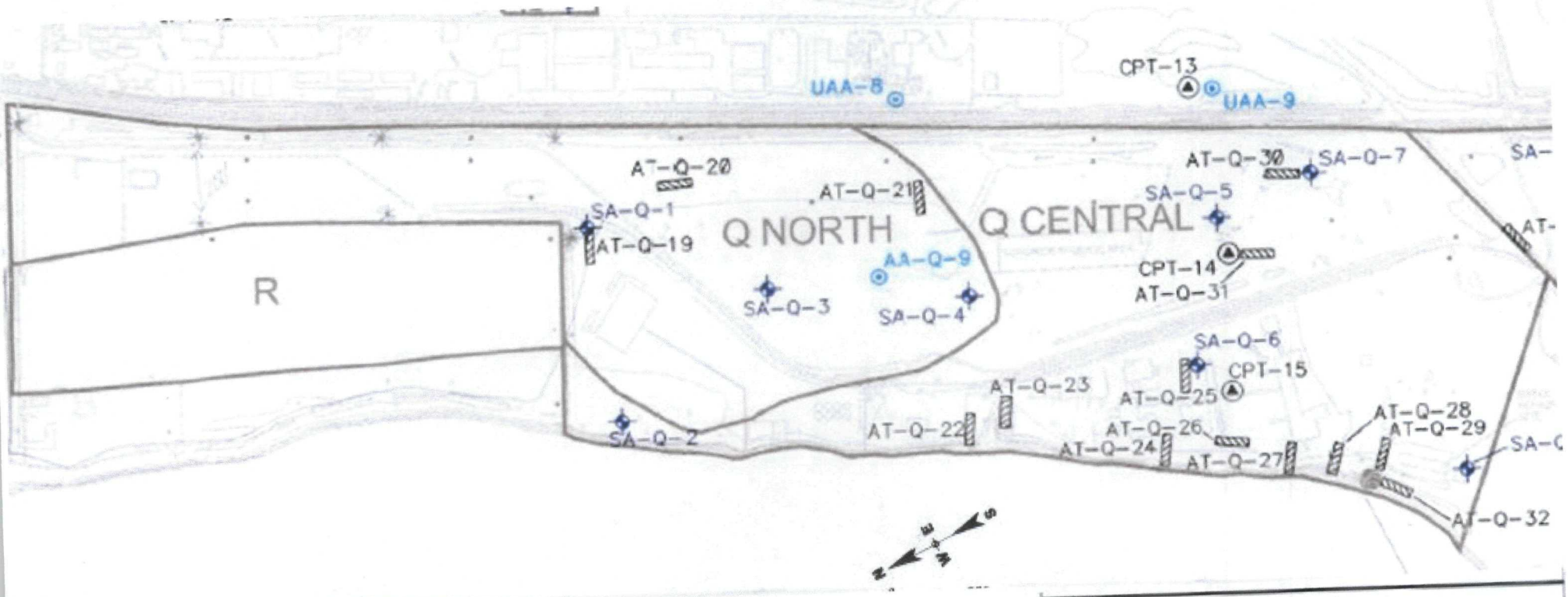
The following information is provided in this compilation document:

1. 2005 Sampling Locations
2. Trenches
   - 2.1. Sample Location Map
   - 2.2. Summary Table(s)
3. Waste and Soil
   - 3.1. Sample Location Map
   - 3.2. Summary Table(s)
   - 3.3. Chemical Data
     - 3.3.1. Waste Data
     - 3.3.2. Waste TCLP
     - 3.3.3. Surface
     - 3.3.4. Subsurface
4. Alluvial Aquifer Wells
   - 4.1. Sample Location Map
   - 4.2. Summary Table(s)
   - 4.3. Chemical Data—On Site Alluvial Wells
5. Bedrock Wells, Leachate Wells, Seeps, Stormwater, and Upgradient Alluvial Aquifer Wells
   - 5.1. Sample Location Map
   - 5.2. Summary Table(s)
   - 5.3. Chemical Data—All Other Samples
6. Surface Water—Pond
   - 6.1. Sample Location Map
   - 6.2. Chemical Data
7. Surface Water and Sediment
   - 7.1. Sample Location Map
   - 7.2. Summary Table(s)—Surface Water and Sediment
   - 7.3. Chemical Data—Sediment Only
8. Soil Gas
   - 8.1. Sample Location Map
   - 8.2. Summary Table(s)
   - 8.3. Chemical Data
9. Air
   - 9.1. Sample Location Map
   - 9.2. Chemical Data
10. Biota (*Note that a figure showing sampling locations is not available)*

10.1. Chemical Data

11. Analyte-Specific Data with Isoconcentration Maps
11.1. Chlorobenzene
11.2. P-Chloroaniline
11.3. Benzene
11.4. 1-4, Dichlorobenzene
11.5. Vinyl Chloride
11.6. Arsenic
11.7. Trichloroethene
11.8. Tetrachloroethene
11.9. cis-1, 2-Dichloroethene
11.10. 1, 2-Dichloroethane
11.11. 2, 4, 6-Trichlorophenol
11.12. Nitrobenzene
11.13. 2, 4-D
11.14. 2, 4-Dichlorophenol

2005 Sampling
Locations



SAUGET AREA 2
RI/FS
SAUGET ILLINOIS

Supplemental Investigation
Sampling Locations

Date: 4/18/05	Project Number: 21561510.50011	Figure Number:
Drawn by: djd	Design by: sjs	Checked by:

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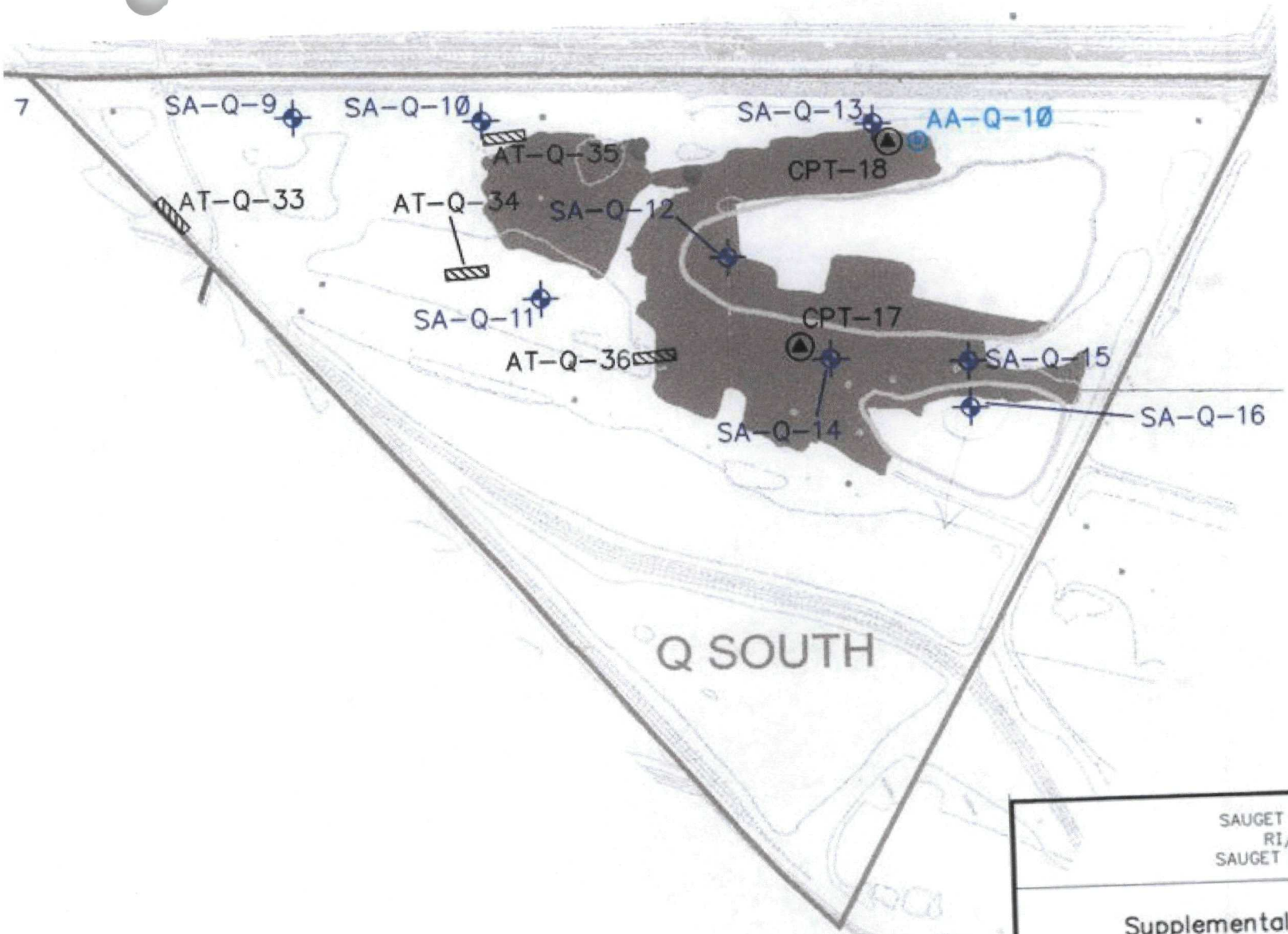

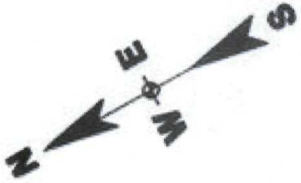

SAUGET AREA 2
RI/FS
SAUGET ILLINOIS

Supplemental Investigation
Sampling Locations

Date: 4/18/05	Project Number: 21561510.50011	Figure Number:
Drawn by: djd	Design by: sjs	Checked by:

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TABLE 1
Trenching Summary for Site Q
Sauget Area 2, Supplemental Investigation, Phase I, May - June 2005

Site	Trench Location	Date Trenched	Approximate Trench Size	Surface Soil Samples	Subsurface Soil
Site Q North	**AT-Q-19**	5/16/2005	40'L x 21'D	R	R
	AT-Q-20	5/12/2005	40'L x 25'D	R	R, PP
	AT-Q-21	5/13/2005	40'L x 15'D	R	R, PP
Site Q Central	**AT-Q-22**	6/8/2005	40'L x 21'D	R, PP, D	R, PP
	AT-Q-23	5/3/2005	40'L x 21'D	R, PP, D	R, PP
	AT-Q-24	5/4/2005	40'L x 21'D	R, PP, D	R, PP
	AT-Q-25	5/9/2005	20'L x 22'D + 20'L x 5-17'D	Not collected, trench adjacent to SA-Q-6	Not collected,
	AT-Q-26	5/4/2005	40'L x 25'D	R, PP, D	R, PP
	AT-Q-27	5/5/2005	40'L x 19'D	R, PP, D	R, PP
	AT-Q-28	5/5/2005	40'L x 20'D	R, PP, D	R, PP
	AT-Q-29	5/6/2005 & 6-2-05	20'L x 20'D + 20'L x 27'D	R, PP, D	R, PP
	AT-Q-30	5/11/2005 & 6-3-05	44'L x 27' D	R	R
	AT-Q-31	5-2 to 5-3-05	40'L x 25'D	R	R
	AT-Q-32	5/24/2005	40'L x 15-22'D	R + PCBs	R, PP, D, TCLP (gross contamination)
Site Q South	**AT-Q-33**	5/20/2005	60'L x 15'D	R	R, PP, D, TCLP
	AT-Q-34	5/23/2005	48'L x 19'D	R	R
	AT-Q-35	5/19/2005	20'L x 25'D	R	R
	AT-Q-36	5/18/2005	40'L x 15-22'D	R, PP, D	R, PP

Notes: Analysis Abbreviations: Routine Suite (R) = VOCs, SVOCs, Metals, Herbicides Ammonia
Additional Analysis = Pesticides and PCBs (PP); Dioxins (D), TCLP

TABLE 2

Shallow Aquifer Well Installation Summary for Site Q

Sauget Area 2, Supplemental Investigation, Phase I, May 2005

Site	Well Location	Date Well Installed	Surface Soil Samples	Subsurface Soil Samples
Site Q North	**SA-Q-1**	5/13/2005	R	R, PP
	SA-Q-3	5/5/2005	R	R, PP
	SA-Q-4	5/5/2005	R	R, PP
Site Q Central	**SA-Q-2**	5/4/2005	R, PP, D	R, PP
	SA-Q-5	5/4/2005	R, PP, D	R, PP
	SA-Q-6	5/3/2005	R	R
	SA-Q-7	5/3/2005	R, PP, D	R, PP
	SA-Q-8	5/13/2005	R, PP, D	R, PP
Site Q South	**SA-Q-9**	5/17/2005	R, PP, D	R, PP
	SA-Q-10	5/17/2005	R, PP, D	R, PP
	SA-Q-11	5/17/2005	R, PP, D	R, PP
	SA-Q-12	5/18/2005	R, PP, D	R, PP
	SA-Q-13	5/16/2005	R, PP, D	R, PP
	SA-Q-14	5/16/2005	R, PP, D	R, PP
	SA-Q-15	5/16/2005	R, PP, D	R, PP
	SA-Q-16	5/18/2005	R, PP, D	R, PP

Notes: Analysis Abbreviations: Routine Suite (R) = VOCs, SVOCs, Metals, Herbicides, Ammonia

Additional Analysis = Pesticides and PCBs (PP); Dioxins (D), TCLP

TABLE 3

Groundwater Profiling Summary for Site Q

Sauget Area 2, Supplemental Investigation, Phase I, May 2005

Site	Well Location	Date Samples Collected	Sample Collection Depths (ft bgs)	Analytical Suite
Site Q North	**AA-Q-9**	5-12 & 5-13-05	38, 58, 78, 98, 118, 132	R
Upgradient	**UAA-8**	5-18 & 5-19-05	26, 46, 66, 86, 106	R
	UAA-9	5-19 & 5-20-05	30, 50, 70, 90, 110, 121	R
Site Q South	**AA-Q-10**	5-17 & 5-18-05	18, 38, 58, 78, 94	R

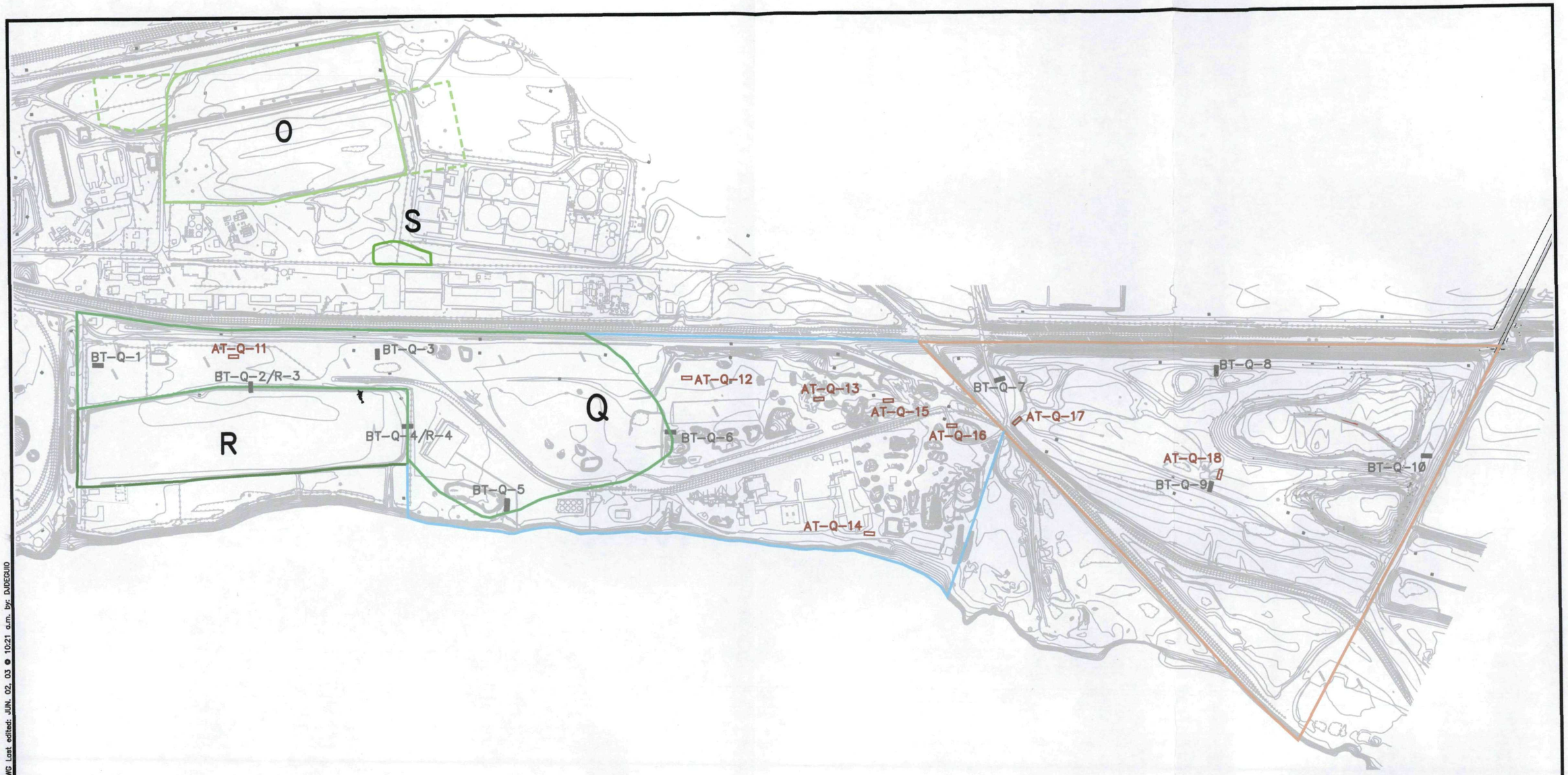
Notes: All groundwater profile grab samples were analyzed for R:
Routine Suite - VOCs, SVOCs, Metals, Herbicides, & Ammonia

TABLE 4
Groundwater Monitoring Well Sampling Summary for Site Q
Sauget Area 2, Supplemental Investigation, Phase I, June /July 2005

Site	Well ID	Screened Hydrogeologic Unit	Date Sampled	Analysis
Site Q, North	LEACH-Q-1	Shallow	8/18/2005	R
Site Q, North	SA-Q-1	Shallow	7/18/2005	R,PP,D
Site Q, North	SA-Q-2	Shallow	7/15/2005	R,PP,D
Site Q, North	SA-Q-3	Shallow	7/15/2005	R,PP
Site Q, North	SA-Q-4	Shallow	7/15/2005	R,PP
Site Q, Central	BDRK-Q-1	Bedrock	7/28/2005	R,D
Site Q, Central	LEACH-Q-2	Shallow	N/A DRY	
Site Q, Central	SA-Q-5	Shallow	7/14/2005	R,PP
Site Q, Central	SA-Q-6	Shallow	7/15/2005	R,PP
Site Q, Central	SA-Q-7	Shallow	7/14/2005	R,PP
Site Q, Central	SA-Q-8	Shallow	7/14/2005	R,PP
Site Q South	BDRK-Q-2	Bedrock	8/1/2005	R
Site Q South	LEACH-Q-3	Shallow	N/A DRY	
Site Q South	Piez-7D	Deep	8/16/2005	R,PP
Site Q South	Piez-7M	Medium	8/15/2005	R,PP
Site Q South	Piez-7S	Shallow	8/16/05 and 8/17/05	R,PP,D
Site Q South	SA-Q-9	Shallow	7/18/2005	R,PP
Site Q South	SA-Q-10	Shallow	7/18/2005	R,PP
Site Q South	SA-Q-11	Shallow	7/18/2005	R,PP,D
Site Q South	SA-Q-12	Shallow	7/27/2005	R,PP
Site Q South	SA-Q-13	Shallow	7/18/2005	R,PP
Site Q South	SA-Q-14	Shallow	7/19/2005	R,PP,D
Site Q South	SA-Q-15	Shallow	7/19/2005	R,PP,D
Site Q South	SA-Q-16	Shallow	7/18/2005	R,PP

Notes: R: Routine Suite - VOCs, SVOCs, metals, herbicides, MNA parameters, and ammonia
PP: Pesticides and PCBs
D: Dioxin
Monitored Natural Attenuation (MNA) parameters include the laboratory analysis of: methane, nitrate, carbon dioxide, alkalinity, sulfate, manganese, chloride, ethane, ethene, and total organic carbon (TOC), and the field analysis of ferrous iron by colorimetric methods.

Trenches



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Boundary Trench Location

Anomaly Trench Location

N E M S

0 600

SCALE FEET

SAUGET AREA 2 RI/FS FIELD SAMPLING REPORT SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 4/2/03 DSGN. BY: kh CHKD. BY:	Site Q Test Trenches
	FIG. NO. 4c

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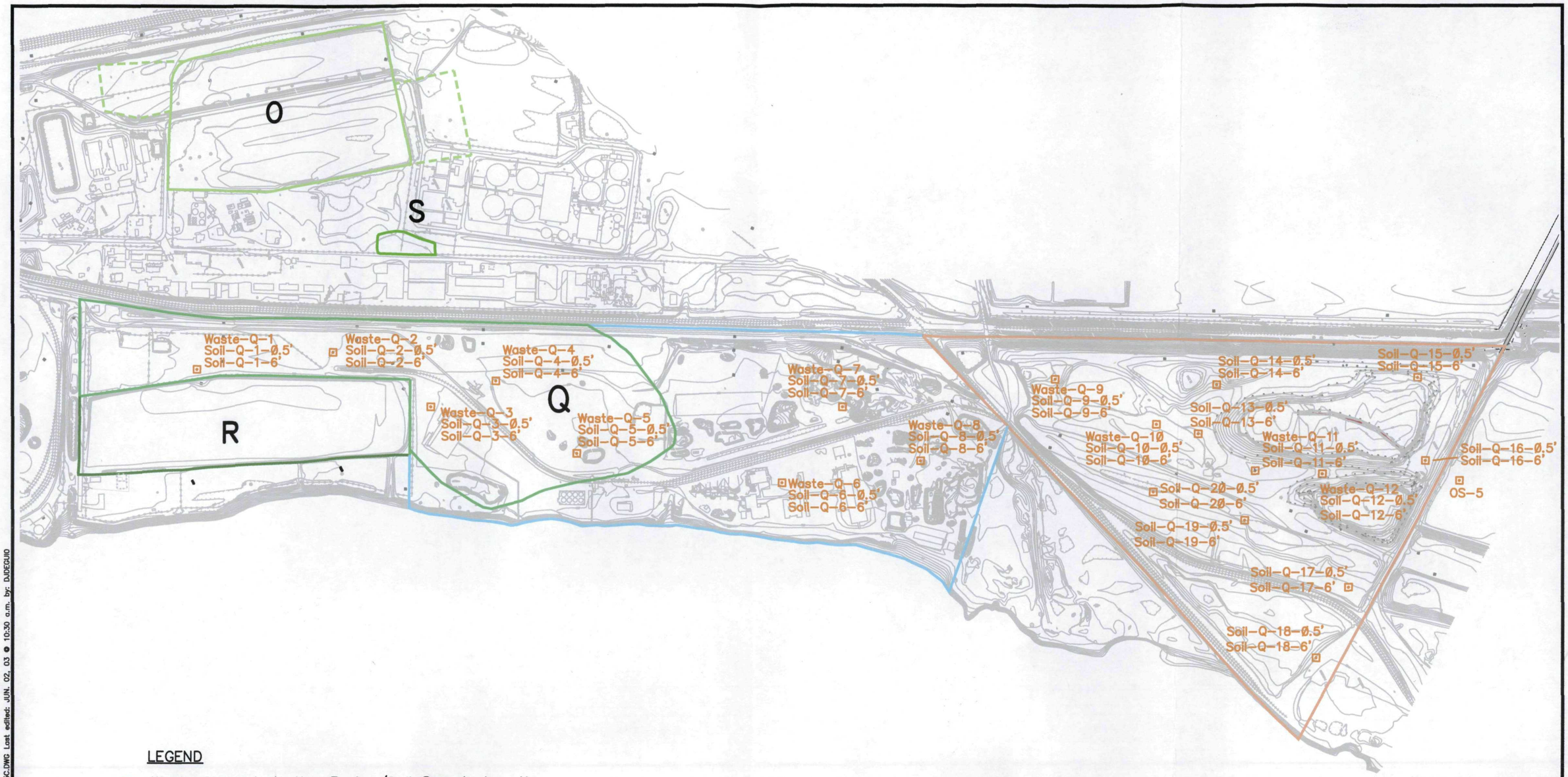
Table 2
Summary of Boundary and Anomaly Trench Data
Sauget Area 2

Trench Location	Trench Date	Waste Encountered	Type of Waste Material	Evidence of Industrial Waste	Comments
Site O					
BT-O-01	06/17/2002	Yes	Native Soil Grading to Lagoon Fill	Lagoon Sludge	Boundary Located, See Field Notebook #2 for Trench Details
BT-O-02	06/17/2002	Yes	Native Soil Grading to Lagoon Fill	Lagoon Sludge	Boundary Located, See Field Notebook #2 for Trench Details
BT-O-03	06/17/2002	Yes	Native Soil Grading to Lagoon Fill	Lagoon Sludge	Boundary Located, See Field Notebook #2 for Trench Details
BT-O-04	06/14/2002	Yes	Native Soil Grading to Lagoon Fill	Lagoon Sludge	Boundary Located, See Field Notebook #2 for Trench Details
Site P					
BT-P-01	06/12/2002	Yes	Municipal Waste	No	Boundary Located, See Field Notebook #2 for Trench Details
BT-P-02	06/12/2002	Yes	Municipal Waste	No	Boundary Located, See Field Notebook #2 for Trench Details
BT-P-03	06/12/2002	Yes	Municipal Waste	Drum Lid	Boundary Not Located
BT-P-04	06/12/2002	Yes	Municipal Waste	No	**Boundary Not Located - Road Present in Step-Out Direction**
AT-P-01	08/14/2002	Yes	Construction Debris	Drum Remnants	None
Site Q					
BT-Q-01	06/10/2002	Yes	Municipal Waste	NAPL	**Boundary Not Located - Road/Utilities Present in Step-Out Direction**
BT-Q-02	NA	NA	NA	NA	Boundary Trench in Same Location as BT-R-03
BT-Q-03	06/05/2002	Yes	Municipal Waste	No	**Boundary Not Located - Road Present in Step-Out Direction**
BT-Q-04	NA	NA	NA	NA	Boundary Trench in Same Location as BT-R-04
BT-Q-05	06/21/2002	No	NA	No	Boundary Not Located, Wood Chips and Coal Cinders Observed Over Length of Trench
BT-Q-06	06/06/2002	Yes	Municipal Waste	No	Boundary Not Located, Could Not Step Out Full 40' Due to Mulch Piles and Pond
BT-Q-07	06/10/2002	Yes	Municipal Waste	Drum Remnants	Boundary Not Located
BT-Q-08	08/12/2002	Yes	Municipal Waste	No	Boundary Located, See Field Notebook #2 for Trench Details
BT-Q-09	08/12/2002	Yes	Municipal Waste	No	Boundary Located, See Field Notebook #2 for Trench Details
BT-Q-10	08/12/2002	No	NA	No	Boundary Not Located
AT-Q-11	06/05/2002	Yes	Municipal Waste	Drum Remnants	Observed Fiber Drum Remnant with "Monsanto" Printed on Side
AT-Q-12	06/06/2002	Yes	Construction Debris	No	None
AT-Q-13	06/06/2002	Yes	Construction Debris	No	None
AT-Q-14	06/11/2002	Yes	Construction Debris	No	None
AT-Q-15	06/07/2002	Yes	Municipal Waste	Drum Lid	None
AT-Q-16	06/11/2002	Yes	Construction Debris	No	Encountered Concrete Slab Approx. 3' bgs at 3 Offset Locations
AT-Q-17	NA	NA	NA	NA	Trench Not Advanced Due to the Placement of Approximately 30' of Fill Material
AT-Q-18	08/12/2002	Yes	Municipal Waste	Metal Tank ~ 55 gal.	None
Site R					
BT-R-01	06/19/2002	Yes	Industrial Waste	White Crystalline Material	**Boundary Not Located - Road Present in Step-Out Direction**
BT-R-02	06/20/2002	Yes	Industrial Waste	Drum Remnants	Boundary Located, See Field Notebook #2 for Trench Details
BT-R-03	06/21/2002	Yes	Industrial Waste	Drum Remnants	Boundary Not Located, Trench Location Adjacent to Site Q
BT-R-04	06/20/2002	Yes	Industrial Waste	White Crystalline Material	Boundary Located, See Field Notebook #2 for Trench Details
AT-R-01	08/13/2002	Yes	Industrial Waste	Drum Remnants	None
Site S					
BT-S-01	06/13/2002	Yes	Industrial Waste	Drum Remnants	Boundary Located, See Field Notebook #2 for Trench Details
BT-S-02	06/14/2002	Yes	Industrial Waste	Drum Remnants, NAPL	**Boundary Not Located - Utilities Present in Step-Out Direction**
BT-S-03	06/13/2002	No	NA	No	Boundary Not Located - Sandy Native Soil Observed Over Length of Trench
BT-S-04	06/14/2002	Yes	Industrial Waste	Drum Remnants	Boundary Located, See Field Notebook #2 for Trench Details
AT-S-01	08/14/2002	Yes	Industrial Waste	Drum Remnants, NAPL	URS Upgraded to Level B PPE

Notes:
NAPL - Non-Aqueous Phase Liquid
bgs - Below Ground Surface
NA - Not Applicable

Waste and Soil



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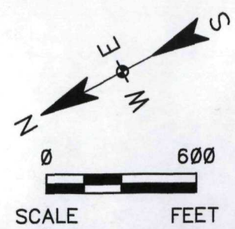
⊡ Waste Characterization Boring/Soil Sample Location



SAUGET AREA 2 RI/FS FIELD SAMPLING REPORT SAUGET ILLINOIS		PROJECT NO. 21560888.07001
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DRN. BY: djd 4/2/03 DSGN. BY: kh CHKD. BY:	Site Q Waste and Soil Sampling Locations	FIG. NO. 5c

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Table 3
Waste Boring Details
Sauget Area 2

Boring	Total Depth (ft)	Top of Waste (ft)	Bottom of Waste (ft)	Water Depth (ft bgs)	Cap Thickness (ft)	Depth of VOC, Dioxin, TCLP VOC, and TCLP Dioxin Sample (ft)	Composite Suite*
WASTE-O-1	20	0.5	15	15	0.5	4	X
WASTE-O -2	20	6	11	10	6	7	X
WASTE-O-3	20	4	10	13	4	9	X
WASTE-P-1	27	0	18	17	NA	15	X
WASTE-P-2	40	0	30	20	NA	6	X
WASTE-P-3	27	0	24	24	NA	22	X
WASTE-P-4	26	1	19	10	NA	17	X
WASTE-Q-1	22	1	12	16	NA	5	X
WASTE-Q-2	27	0	18	22	NA	8	X
WASTE-Q-3	17	0	9	12	NA	6	X
WASTE-Q-4	17	0	13	7	NA	7, 9 **	X
WASTE-Q-5	17	0	12	12	NA	8	X
WASTE-Q-6	18	0	16	16	NA	15	X
WASTE-Q-7	26	0	16	16.5	NA	9	X
WASTE-Q-8	28	0	18	NA	NA	7	X
WASTE-Q-9	25	0	9	7	NA	8	X
WASTE-Q-10	27	0	18	18	NA	8	X
WASTE-Q-11	17	0	9	10.5	NA	8	X
WASTE-Q-12	16	0	5	18	NA	4	X
WASTE-R-1	32	6	25	24	6	19	X
WASTE-R-2	28	6	21	25	6	20	X
WASTE-R-3	24	4.5	26	NA	4.5	22	X
WASTE-R-4	28	13	19	26	13.0	24	X
WASTE-S-1	16	0.5	10	10	0.5	6	X
WASTE-S-2	12	0.5	7	6	0.5	6	X

Notes:
NA - Not applicable
* The full suite of analyses include SVOC, Pesticides, Herbicides, PCBs, and Metals and TCLP SVOC, Pesticides, Herbicides, PCBs, and Metals
** TCLP VOC and TCLP Dioxin collected at 7 ft bgs, VOC and Dioxin sample collected at 9 ft bgs

Table 6
Waste Boring Sample Analysis for Site Q
Sauget Area 2

Location	Depth Sample was Taken (ft)	VOCs and *Dioxin*	TCLP VOCs and Dioxin	Suite*	TCLP *Suite**
Q-1	5	X	X		
	Composite			X	X
Q-2	8	X	X		
	Composite			X	X
Q-3	6	X	X		
	Composite			X	X
Q-4	7		X		
	9	X			
	Composite			X	X
Q-5	8	X	X		
	Composite			X	X
Q-6	15	X	X		
	Composite			X	X
Q-7	9	X	X		
	Composite			X	X
Q-8	7	X	X		
	Composite			X	X
Q-9	8	X	X		
	Composite			X	X
Q-10	8	X	X		
	Composite			X	X
Q-11	8	X	X		
	Composite			X	X
Q-12	4	X	X		
	Composite			X	X

Notes:
* Pesticides, Herbicides, PCBs, and Metals

Table 3-7
Surface & Subsurface Soil Sample Analysis
Sauget Area 2 RI/FS

Location	Depth Sample was Taken (ft)	VOCs	Suite*
O-1	0.5	X	X
	6	X	X
O-2	0.5	X	X
	6	X	X
O-3	0.5	X	X
	6	X	X
P-1	0.5	X	X
	6	X	X
P-2	0.5	X	X
	6	X	X
P-3	0.5	X	X
	6	X	X
P-4	0.5	X	X
	6	X	X
Q-1	0.5	X	X
	6	X	X
Q-2	0.5	X	X
	6	X	X
Q-3	0.5	X	X
	6	X	X
Q-4	0.5	X	X
	6	X	X
Q-5	0.5	X	X
	6	X	X
Q-6	0.5	X	X
	6	X	X
Q-7	0.5	X	X
	6	X	X
Q-8	0.5	X	X
	6	X	X
Q-9	0.5	X	X
	6	X	X
Q-10	0.5	X	X
	6	X	X
Q-11	0.5	X	X
	6	X	X
Q-12	0.5	X	X
	6	X	X

Location	Depth Sample was Taken (ft)	VOCs	Suite*
Q-13	0.5	X	X
Q-14	0.5	X	X
Q-15	0.5	X	X
Q-16	0.5	X	X
Q-17	0.5	X	X
Q-18	0.5	X	X
Q-19	0.5	X	X
Q-20	0.5	X	X
R-1	0.5	X	X
	6	X	X
R-2	0.5	X	X
	6	X	X
R-3	0.5	X	X
	6	X	X
R-4	0.5	X	X
	6	X	X
S-1	0.5	X	X
	6	X	X
S-2	0.5	X	X
	6	X	X
OS-1	0.5	X	X
	6	X	X
OS-2	0.5	X	X
	6	X	X
OS-3	0.5	X	X
	6	X	X
OS-4	0.5	X	X
	6	X	X
OS-5	0.5	X	X
	6	X	X

Notes:

* Pesticides, Herbicides, PCBs, Metals, and Dioxin

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-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	WASTE-Q-1-5FT 07/26/02 ug/kg	WASTE-Q-10-8 07/26/02 ug/kg
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	WASTE-Q-6-15	WASTE-Q-6-15-DUP	WASTE-Q-7-9	WASTE-Q-8-7	WASTE-Q-9-8	WASTE-R-1-19FT	WASTE-R-2-20FT	WASTE-R-3-22FT
Sample Date	07/19/02	07/19/02	07/19/02	07/19/02	07/26/02	07/11/02	7/11/02	7/12/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
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 1-2
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 1-3
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 1-4
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 1-5
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 1-6
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 1-7
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 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 2-2
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 2-3
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 2-4
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 2-5
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 2-6
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 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-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	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	SOIL-Q-2-0.5	SOIL-Q-20-0.5	SOIL-Q-3-0.5
Sample Date	10/07/02	10/07/02	10/07/02	10/07/02	10/07/02	07/18/02	10/07/02	07/17/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound								
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 4-3
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 4-4
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-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-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-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

Table 5-1
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 8260 - Volatile Organic Compound Data

Sample ID	SOIL-OS-4-6FT	SOIL-OS-4-6FT-DUP	SOIL-P-1-6FT	SOIL-P-3-6FT	SOIL-P-4-6FT	SOIL-Q-1-6FT	SOIL-Q-10-6	SOIL-Q-11-6	SOIL-Q-12-6
Sample Date	08/15/02	08/15/02	07/16/02	07/17/02	07/16/02	07/26/02	07/26/02	07/22/02	07/22/02
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Compound									
1,1,1-Trichloroethane	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 5-2
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 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
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 5-3
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 5-4
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-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 5-6
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 5-7
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

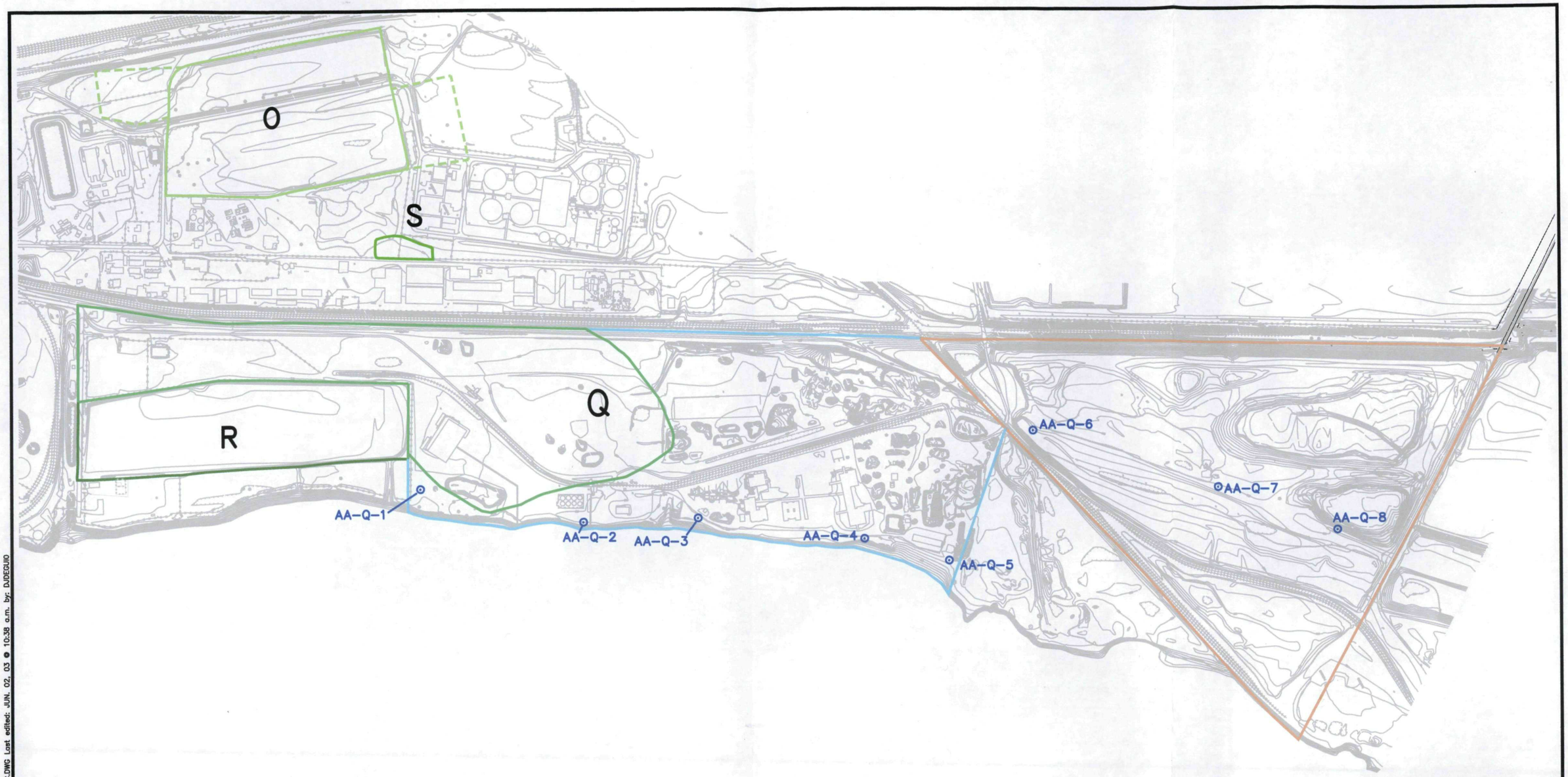
DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

Table 5-7
Sauget Area 2 RI/FS Data Report - Subsurface Soil
Method 6010/7471/D2216 - Inorganic Data

Sample ID	SOIL-Q-2-6FT	SOIL-Q-3-6	SOIL-Q-4-6	SOIL-Q-5-6FT	SOIL-Q-6-6	SOIL-Q-7-6	SOIL-Q-8-6	SOIL-Q-8-6-DUP	SOIL-Q-9-6	SOIL-R-1-6FT	SOIL-R-2-6
Sample Date	07/18/02	07/17/02	07/18/02	07/17/02	07/19/02	07/19/02	07/19/02	07/19/02	07/26/02	07/11/02	07/11/02
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	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

Alluvial Aquifer Wells



LEGEND

⊙ Site-Related Groundwater Sampling Locations

N E S W

0 600

SCALE FEET

SAUGET AREA 2 RI/FS FIELD SAMPLING REPORT SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 4/2/03 DSGN. BY: kh CHKD. BY:	Site Q Alluvial Aquifer Sample Locations
	FIG. NO. 7c

File: E:\21560888.04001\REPORTS\FIELD SAMPLING REPORT\7C.DWG Last edited: JUN. 02, 03 @ 10:38 a.m. by: DJDEGUIO

Table 12
Alluvial Aquifer Samples and Analysis for Site Q
Sauget Area 2

Location	Depth (ft)	VOCs	SVOCs	Suite*	Dioxin	Filtered SVOCs	Filtered Metals
Q-1	50	X	X	X		X	X
	60	X	X				
	70	X	X				
	80	X	X	X			
	90	X	X				
	100	X	X				
	110	X	X				
	120	X	X	X		X	X
	127.5	X	X	X		X	X
Q-2	60	X	X	X	X	X	X
	70	X	X				
	80	X	X	X			
	90	X	X				
	100	X	X		X		
	110	X	X				
	120	X	X	X		X	X
	130	X	X	X	X	X	X
Q-3	50	X	X	X		X	X
	60	X	X				
	70	X	X				
	80	X	X	X			
	90	X	X				
	100	X	X				
	110	X	X				
	120	X	X	X		X	X
Q-4	50	X	X	X		X	X
	60	X	X				
	70	X	X				
	80	X	X	X			
	90	X	X				
	100	X	X				
	110	X	X	X		X	X
Q-5	45	X	X	X		X	X
	55	X	X				
	65	X	X				
	75	X	X				
	85	X	X	X		X	X
	95	X	X				
	105/106	X	X	X		X	X

Notes:
* The full suite of analyses include Pesticides, Herbicides, PCBs, Metals, ORP, DO, Ferrous Iron, Manganese, Nitrate, Sulfate, Alkalinity, Methane, and $C0_2$

Table 12 (continued)
Alluvial Aquifer Samples and Analysis for Site Q
Sauget Area 2

Location	Depth (ft)	VOCs	SVOCs	Suite*	Dioxin	Filtered SVOCs	Filtered Metals
Q-6	24	X	X	X		X	X
	34	X	X				
	44	X	X				
	54	X	X				
	64	X	X	X		X	X
	64	X	X	X		X	X
	74	X	X				
	84	X	X				
	94	X	X				
	104	X	X	X		X	X
	110	X	X	X		X	X
Q-7	24	X	X	X	X	X	X
	34	X	X				
	44	X	X				
	54	X	X				
	64	X	X	X		X	X
	74	X	X				
	84	X	X		X		
	94	X	X				
	104	X	X	X	X	X	X
Q-8	24	X	X	X		X	X
	34	X	X				
	44	X	X				
	54	X	X				
	64	X	X	X		X	X
	74	X	X				
	84	X	X				
	94	X	X				
	104	X	X	X		X	X
	111	X	X	X		X	X

Notes:
* The full suite of analyses include Pesticides, Herbicides, PCBs, Metals, ORP, DO, Ferrous Iron, Manganese, Nitrate, Sulfate, Alkalinity, Methane, and $C0_2$

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 3-2a
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	GW-AA-Q-1-50	GW-AA-Q-1-50-Filtered	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	07/16/02	7/29/02	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
Compound							
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	GW-AA-Q-4-50	GW-AA-Q-4-50 Filtered	GW-AA-Q-4-60	GW-AA-Q-4-70	GW-AA-Q-4-80	GW-AA-Q-4-90	GW-AA-Q-5-105
Sample Date	7/22/02	8/5/02	7/23/02	7/23/02	7/23/02	7/23/02	8/8/02
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	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 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
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	GW-AA-Q-8-24	GW-AA-Q-8-24-Filtered	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
Sample Date	7/31/02	7/31/02	7/31/02	7/31/02	7/31/02	7/31/02	7/31/02
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 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 3-3a
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	GW-AA-Q-5-106	GW-AA-Q-5-45	GW-AA-Q-5-85	GW-AA-Q-6-104	GW-AA-Q-6-110	GW-AA-Q-6-24	GW-AA-Q-6-24-DUP	GW-AA-Q-6-64	GW-AA-Q-7-104
Sample Date	08/08/02	8/7/02	8/8/02	7/29/02	7/29/02	07/25/02	7/25/02	7/26/02	07/30/02
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 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	GW-AA-Q-7-104-DUP	GW-AA-Q-7-24	GW-AA-Q-7-64	GW-AA-Q-8-104	GW-AA-Q-8-111	GW-AA-Q-8-24	GW-AA-Q-8-64	GW-AA-R-1-131	GW-AA-R-1-28
Sample Date	07/30/02	07/24/02	07/24/02	08/02/02	08/02/02	7/31/02	7/31/02	7/23/02	7/19/02
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 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 3-4a
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 3-5a
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 Sample Date Units Compound	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	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
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 3-6a
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 3-7a
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

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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	GW-AA-Q-7-104-Filtered	GW-AA-Q-7-104-Filtered-DUP	GW-AA-Q-7-24	GW-AA-Q-7-64	GW-AA-Q-7-64-Filtered	GW-AA-Q-8-104	GW-AA-Q-8-104-Filter
Sample Date	7/30/02	7/30/02	07/24/02	07/24/02	7/24/02	08/02/02	8/2/02
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Compound							
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

LEGEND

⊕ Bedrock Monitoring Well Location

△ Leachate Monitoring Well Location

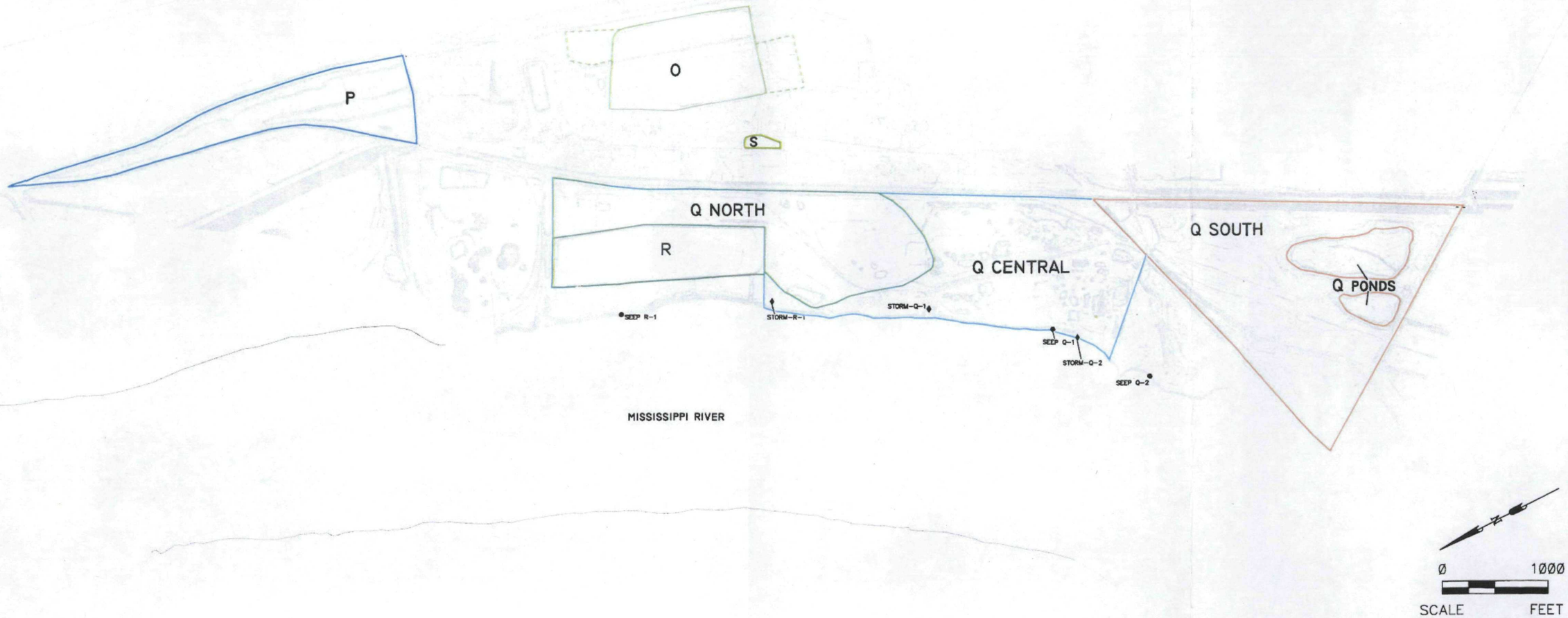
N E S W

0 600

SCALE FEET

SAUGET AREA 2 RI/FS FIELD SAMPLING REPORT SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 4/2/03 DSGN. BY: kh CHKD. BY:	Site Q Leachate and Bedrock Monitoring Well Locations
FIG. NO. 6c	

File: E:\21560888.04001\REPORTS\FIELD SAMPLING REPORT\6C.DWG Last edited: JUN. 02, 03 @ 10:34 a.m. by: DJDEGUO

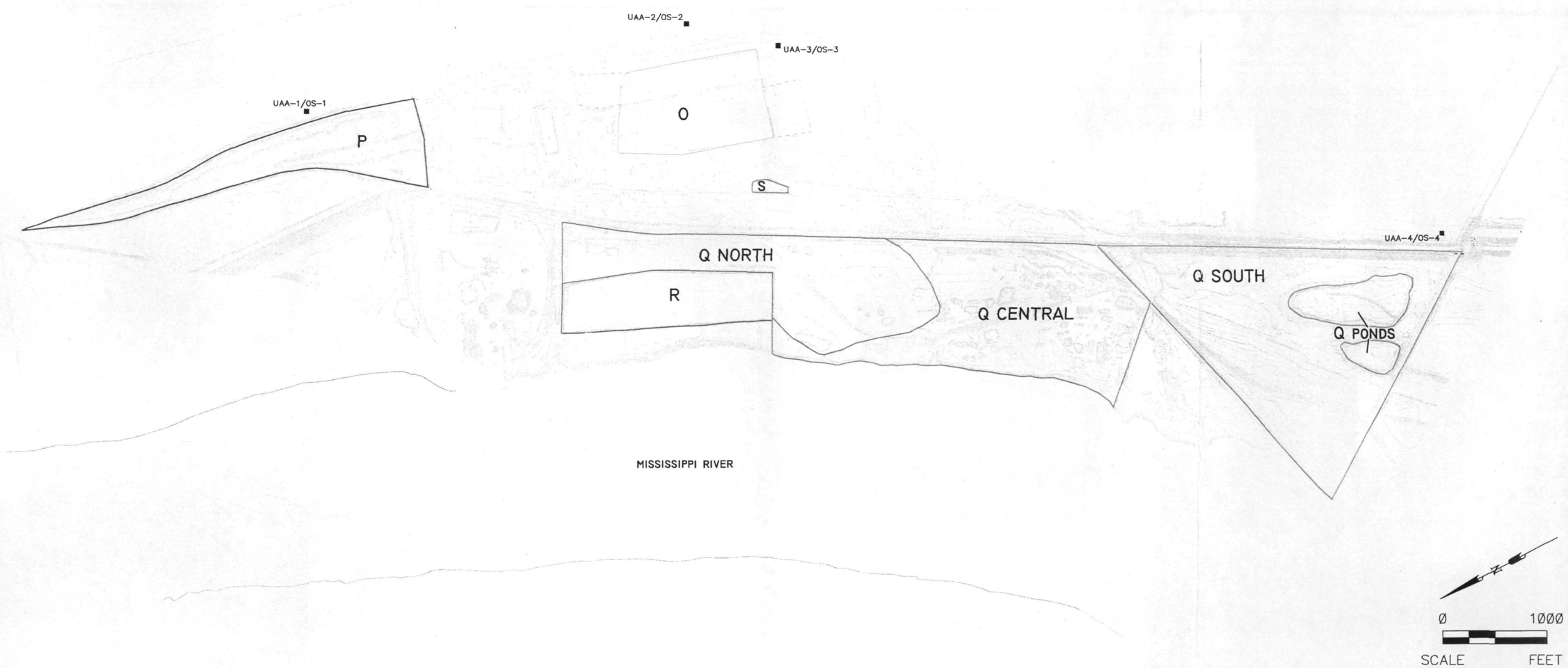


LEGEND

- ♦ Stormwater Sample Location
- ● Seep Sample Location

SAUGET AREA 2 RI/FS SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY:djd 10/7/03 DSGN. BY:bh CHKD. BY:	Stormwater Run-off and Seep Sample Locations
	FIG. NO. 3-8

File: E:\21560888.04001\REPORTS\RI FS REPORT\3-8.DWG Last edited: 12/16/03 @ 1:23 p.m. WC-STLOUIS MO



LEGEND

■ Offsite Soil and Upgradient/Groundwater Sampling Locations

SAUGET AREA 2 RI/FS SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY:djd 10/7/03 DSGN. BY:bh CHKD. BY:	Upgradient Alluvial Aquifer Sample Locations
	FIG. NO. 3-7f

File: E:\21560888.04001\REPORTS\RI_FS REPORT\3-7F.DWG Last edited: 12/16/03 @ 1:23 p.m. WC-ST.LOUIS, MO

Table 15
Alluvial Aquifer Samples and Analysis for Upgradient Locations
Sauget Area 2

Location	Depth (ft)	VOCs	SVOCs	Suite*	Dioxin	Filtered SVOCs	Filtered Metals
UAA-1	20	X	X	X			
	30	X	X				
	40	X	X				
	50	X	X				
	60	X	X	X			
	70	X	X				
	80	X	X				
	90	X	X				
	100	X	X	X			
	110	X	X	X			
UAA-2	20	X	X	X	X		
	30	X	X				
	40	X	X				
	50	X	X				
	60	X	X	X	X		
	70	X	X				
	80	X	X				
	90	X	X				
	100	X	X	X			
	110	X	X				
	120	X	X				
	124	X	X	X	X		
UAA-3	24	X	X	X	X		
	34	X	X				
	44	X	X				
	54	X	X				
	64	X	X	X			
	74	X	X				
	84	X	X		X		
	94	X	X				
	104	X	X	X			
	114	X	X				
	116	X	X	X	X		
UAA-4	20	X	X	X		X	X
	30	X	X				
	40	X	X				
	50	X	X				
	60	X	X	X		X	X
	70	X	X				
	80	X	X				
	90	X	X				
	100	X	X	X		X	X
	110	X	X				
	113	X	X	X		X	X

Notes:
* The full suite of analyses include Pesticides, Herbicides, PCBs, Metals, ORP, DO, Ferrous Iron, Manganese, Nitrate, Sulfate, Alkalinity, Methane, and CO_2

Table 16
Stormwater Sampling
Sauget Area 2

Sample Number	First Storm Date	Second Storm Date	Sample Analysis
STORM-R-1	09/18/2002	10/03/2002	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals
STORM-Q-1	09/18/2002	10/03/2002	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals
STORM-Q-2	09/18/2002	10/03/2002	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals

Table 5-11
Stormwater Analytical Data
Sauget Area 2 RI/FS

Site	Sample ID	Date	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
Q	STORM-Q-1	9/18/2002	35.73	ND	0.0438	1.1	ND	0.000000901	0.016	0.012	0.00036	0.14
	STORM-Q-1-10-3-02	10/3/2002	41	1.5	0.0419	ND	ND	0.00000238	0.017	0.021	0.00015	0.096
	STORM-Q-2	9/18/2002	47.18	ND	0.123	ND	0.032	0.000019032	0.017	0.0073	0.00024	0.15
	STORM-Q-2-10-3-02	10/3/2002	57	1.2	0.0198	401.09	ND	0.000000013	ND	ND	ND	0.087
R	STORM-R-1	9/18/2002	30.3	1.94	0.0461	1.77	ND	0.000002247	0.0096	0.0053	0.00023	0.051
	STORM-R-1-10-3-02	10/3/2002	59.6	5.14	0.0125	59.47	ND	0.0000007285	0.01	0.0094	0.00017	0.071

Table 17
Seep Sampling
Sauget Area 2

Sample Number	Start Date	Date Completed	Sample Analysis
SEEP-Q-1	08/07/02	08/08/02	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals
SEEP-Q-2	08/07/02	08/08/02	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals
SEEP-R-1	08/08/02	08/09/02	VOCs, SVOCs, PCBs, dioxin, herbicides, pesticides and metals

Table 5-12
Seep Analytical Data
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
Q	SEEP-Q-1	10.97	ND	0.051	ND	ND	0.0001049	0.023	0.018	ND	0.12
	SEEP-Q-2	ND	ND	ND	ND	ND	ND	0.37	0.33	0.00086	2.2
R	SEEP-R-1	963.1	7289	1.061	172.42	0.18	ND	0.014	0.014	ND	0.057

Table 5-3a
Bedrock and Leachate Analytical Data- September 2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
O	BDRK-O-1	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	LEACH-O-1	5130.6	11766	2.99	2287	54.9	0.00068705	0.01	0.0045	0.0012	0.22
P	BDRK-P-1	81.89	15.08	0.0063	52	ND	ND	0.023	0.0036	0.00011	0.063
Q	BDRK-Q-1	2.63	2.36	ND	ND	ND	ND	0.058	0.027	0.00024	0.17
	BDRK-Q-2	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND
	BDRK-Q-2-DUP	ND	ND	ND	ND	ND	ND	0.00093	ND	ND	ND
	LEACH-Q-1	7345	226510	16.6	97400	1.51	2.924E-06	ND	ND	ND	7.5
	LEACH-Q-1-DUP	7393	231130	16.8	104800	0.297	9.893E-07	ND	ND	ND	7.4
R	BDRK-R-1	89.45	1621.9	ND	4.02	ND	ND	0.019	0.013	0.0002	0.051
	LEACH-R-1	318900	1181100	869	3800	3981.6	0.00314	0.026	ND	0.013	99
S	BDRK-S-1	0.5	ND	ND	ND	ND	ND	ND	ND	0.000073	0.0072

Table 5-3b
Bedrock and Leachate Analytical Data-January 2003
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
O	BDRK-O-1	ND	ND	ND	ND	ND	ND	0.0015	ND	ND	0.0049
	BDRK-O-1-DUP	ND	ND	ND	0.391	ND	ND	ND	ND	ND	ND
P	BDRK-P-1	5.9	ND	0.037	ND	ND	ND	0.038	0.017	0.00011	0.19
Q	BDRK-Q-1	1	4.6	ND	11.354	ND	0.000000006	0.0019	ND	ND	0.025
	BDRK-Q-2	7.31	ND	ND	ND	ND	ND	ND	ND	0.000085	ND
	LEACH-Q-1	9578.8	237680	17	140000	0.46	0.000000024	ND	ND	ND	8.5
R	BDRK-R-1	25.78	121.2	ND	0.664	ND	ND	0.001	ND	ND	0.0079
	LEACH-R-1	397200	1397840	ND	ND	ND	0.00062726	ND	ND	ND	130
	LEACH-R-1-DUP	386830	1765570	ND	ND	174670	0.00157649	ND	ND	ND	88
S	BDRK-S-1	ND	ND	ND	ND	ND	ND	0.0022	ND	ND	0.0041

Table 5-3c
Bedrock and Leachate Analytical Data-April 2003
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
O	BDRK-O-1	1.2	ND	ND	10	ND	ND	ND	ND	ND	0.0024
P	BDRK-P-1	15.3	ND	ND	ND	ND	ND	0.012	0.0072	0.000088	0.041
Q	BDRK-Q-1	1.63	1.1	ND	89.084	ND	ND	0.0037	ND	ND	0.0077
	BDRK-Q-1-DUP	0.12	2.2	ND	190.077	ND	ND	ND	ND	ND	0.0043
	BDRK-Q-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026
	LEACH-Q-1	7985.2	270540	ND	1910	7.9	0.0014718	6.6	2.8	0.0059	19
R	BDRK-R-1	14.56	4.4	ND	0.1	ND	ND	0.0042	ND	ND	0.01
	LEACH-R-1	206734000	9713800	ND	1419130	453400	ND	0.024	0.02	0.0025	56
	LEACH-R-1-DUP	156270000	2033100	ND	944610	13500	ND	0.023	ND	0.0025	51
S	BDRK-S-1	4.77	2.1	ND	66	ND	ND	ND	ND	ND	0.0034

Table 5-3d
Bedrock and Leachate Analytical Data-June 2003
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
O	BDRK-O-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017
	BDRK-O-1-DUP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.019
P	BDRK-P-1	2.78	2.88	ND	ND	ND	ND	0.0052	0.0026	ND	0.026
Q	BDRK-Q-1	3.62	2.7	ND	ND	ND	ND	0.023	0.01	0.000086	0.089
	BDRK-Q-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012
	LEACH-Q-1	6451.4	178579	ND	51890	6.56	0.0002075	0.33	0.27	0.001	20
	LEACH-Q-1-DUP	6523.2	231204.6	ND	61320	13.31	0.00021726	0.66	0.56	0.0028	24
	LEACH-Q-1-DUP-Filtered										
	LEACH-Q-1-Filtered										
R	BDRK-R-1	0.29	5.6	ND	ND	ND	ND	ND	ND	ND	0.016
	LEACH-R-1	300342	757350	1160	15379	14445	0.0000054842	0.3	0.07	0.03	48
	LEACH-R-1-Filtered										
S	BDRK-S-1	0.95	11.09	ND	ND	ND	ND	ND	ND	ND	0.014

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	BDRK-O-1	BDRK-P-1	BDRK-Q-1	BDRK-Q-2	BDRK-Q-2-DUP	BDRK-R-1	BDRK-S-1	GW-UAA-1-100FT	GW-UAA-1-110FT	GW-UAA-1-20FT	GW-UAA-1-30FT
Sample Date	08/30/02	9/9/02	9/9/02	09/03/02	09/03/02	9/5/02	9/6/02	06/18/02	06/18/02	06/14/02	06/14/02
Units	ug/l	ug/l	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 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-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 3-2b
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-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 5-3b
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-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 5-3b
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 3-4b
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-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 3-5b
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-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 3-6b
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 5-6b
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 3-7b
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-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

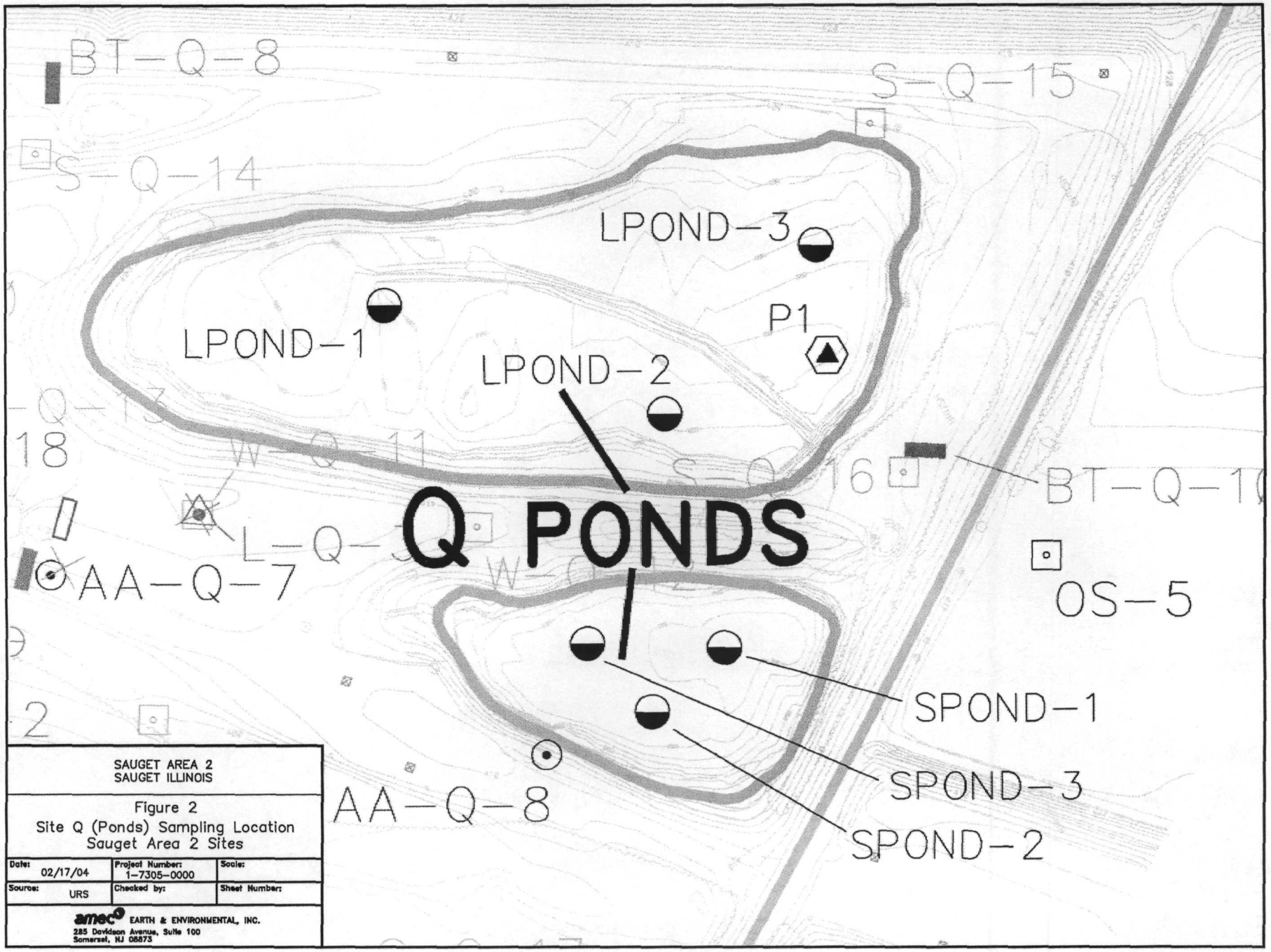
DATA QUALIFIER CODES: R = rejected data; U = not detected; J = estimated value; NR = not reported

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

Surface Water – Pond



SAUGET AREA 2
SAUGET ILLINOIS

Figure 2
Site Q (Ponds) Sampling Location
Sauget Area 2 Sites

Date: 02/17/04	Project Number: 1-7305-0000	Scale:
Source: URS	Checked by:	Sheet Number:

amec EARTH & ENVIRONMENTAL, INC.
285 Davidson Avenue, Suite 100
Somerset, NJ 08873

Table 3-1
Large Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Large Pond Surface Water					
		LPond-1-W (Total) 06/19/03 Surface	LPond-1-W (Dissolved) 06/19/03 Surface	LPond-2-W (Total) 06/25/03 Surface	LPond-2-W (Dissolved) 06/25/03 Surface	LPond-3-W (Total) 06/19/03 Surface	LPond-3-W (Dissolved) 06/19/03 Surface
VOCs	**Units**						
1,1,1-Trichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR
1,1,2,2-Tetrachloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR
1,1,2-Trichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR
1,1-Dichloroethane	ug/L	0.21 J	NR	1 U	NR	1 U	NR
1,1-Dichloroethylene	ug/L	1 U	NR	1 U	NR	1 U	NR
1,2-Dichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR
1,2-Dichloroethene (total)	ug/L	2 U	NR	2 U	NR	2 U	NR
1,2-Dichloropropane	ug/L	1 U	NR	1 U	NR	1 U	NR
2-Butanone (MEK)	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Hexanone	ug/L	10 U	NR	10 U	NR	10 U	NR
4-Methyl-2-pentanone (MIBK)	ug/L	10 U	NR	10 U	NR	10 U	NR
Acetone	ug/L	25 U	NR	25 U	NR	25 U	NR
Benzene	ug/L	0.12 J	NR	1 U	NR	1 U	NR
Bromodichloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR
Bromoform	ug/L	1 U	NR	1 U	NR	1 U	NR
Bromomethane	ug/L	1 UJ	NR	1 UJ	NR	1 UJ	NR
Carbon Disulfide	ug/L	1 U	NR	1 U	NR	1 U	NR
Carbon Tetrachloride	ug/L	1 U	NR	1 U	NR	1 U	NR
Chlorobenzene	ug/L	1 U	NR	1 U	NR	1 U	NR
Chloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR
Chloroform	ug/L	1 U	NR	1 U	NR	1 U	NR
Chloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR
cis-1,3-Dichloropropene	ug/L	1 U	NR	1 U	NR	1 U	NR
Dibromochloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR
Ethylbenzene	ug/L	1 U	NR	1 U	NR	0.14 J	NR
Methylene Chloride	ug/L	5 U	NR	5 U	NR	5 U	NR
Styrene (Monomer)	ug/L	1 U	NR	1 U	NR	1 U	NR
Tetrachloroethene	ug/L	1 U	NR	1 U	NR	1 U	NR
Toluene	ug/L	1 U	NR	1 U	NR	1 U	NR
trans-1,3-Dichloropropene	ug/L	1 U	NR	1 U	NR	1 U	NR
Trichloroethylene	ug/L	1 U	NR	1 U	NR	1 U	NR
Vinyl chloride	ug/L	1 U	NR	1 U	NR	1 U	NR
Xylenes, Total	ug/L	2 UJ	NR	2 UJ	NR	2 UJ	NR
SVOCs							
1,2,4-Trichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
1,2-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
1,3-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
1,4-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
2,2'-Oxybis(1-Chloropropane)	ug/L	10 U	NR	10 U	NR	10 U	NR
2,4,5-Trichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR
2,4,6-Trichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR
2,4-Dichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR
2,4-Dimethylphenol	ug/L	10 U	NR	10 U	NR	10 U	NR
2,4-Dinitrophenol	ug/L	50 U	NR	50 U	NR	50 U	NR
2,4-Dinitrotoluene	ug/L	10 U	NR	10 U	NR	10 U	NR
2,6-Dinitrotoluene	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Chloronaphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Chlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Methylnaphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Methylphenol (o-Cresol)	ug/L	10 U	NR	10 U	NR	10 U	NR
2-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR
2-Nitrophenol	ug/L	10 U	NR	10 U	NR	10 U	NR
3,3'-Dichlorobenzidine	ug/L	20 U	NR	20 U	NR	20 U	NR
3/4-Methylphenol (m&p-Cresol)	ug/L	10 U	NR	10 U	NR	10 U	NR
3-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR
4,6-Dinitro-2-methylphenol	ug/L	50 U	NR	50 U	NR	50 U	NR
4-Bromophenyl Phenyl Ether	ug/L	10 U	NR	10 U	NR	10 U	NR
4-Chloro-3-methylphenol	ug/L	10 U	NR	10 U	NR	10 U	NR
4-Chloroaniline	ug/L	20 U	NR	20 U	NR	20 U	NR
4-Chlorophenyl Phenyl Ether	ug/L	10 U	NR	10 U	NR	10 U	NR
4-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR
4-Nitrophenol	ug/L	50 U	NR	50 UJ	NR	50 U	NR
Acenaphthene	ug/L	10 U	NR	10 U	NR	10 U	NR
Acenaphthylene	ug/L	10 U	NR	10 U	NR	10 U	NR
Anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR

NOTES:
U = Not detected at the MDL.
J = The concentration was detected at a value below the MDL.
UJ = The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results were rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte could not be determined.
NR = Not analyzed
NA = Not applicable

Table 3-1
Large Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Large Pond Surface Water					
		LPond-1-W (Total) 06/19/03 Surface	LPond-1-W (Dissolved) 06/19/03 Surface	LPond-2-W (Total) 06/25/03 Surface	LPond-2-W (Dissolved) 06/25/03 Surface	LPond-3-W (Total) 06/19/03 Surface	LPond-3-W (Dissolved) 06/19/03 Surface
SVOCs	**Units**						
Benzo(a)anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR
Benzo(a)pyrene	ug/L	10 U	NR	10 U	NR	10 U	NR
Benzo(b)fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR
Benzo(g,h,i)perylene	ug/L	10 U	NR	10 U	NR	10 U	NR
Benzo(k)fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR
bis(2-Chloroethoxy)methane	ug/L	10 U	NR	10 U	NR	10 U	NR
bis(2-Chloroethyl)ether	ug/L	10 U	NR	10 U	NR	10 U	NR
bis(2-Ethylhexyl)phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Butyl Benzyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Carbazole	ug/L	10 U	NR	10 U	NR	10 U	NR
Chrysene	ug/L	10 U	NR	10 U	NR	10 U	NR
Dibenzo(a,h)anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR
Dibenzofuran	ug/L	10 U	NR	10 U	NR	10 U	NR
Diethyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Dimethyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Di-n-butylphthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Di-n-octylphthalate	ug/L	10 U	NR	10 U	NR	10 U	NR
Fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR
Fluorene	ug/L	10 U	NR	10 U	NR	10 U	NR
Hexachlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
Hexachlorobutadiene	ug/L	10 U	NR	10 U	NR	10 U	NR
Hexachlorocyclopentadiene	ug/L	10 U	NR	10 U	NR	10 U	NR
Hexachloroethane	ug/L	10 U	NR	10 U	NR	10 U	NR
Indeno(1,2,3-cd)pyrene	ug/L	10 U	NR	10 U	NR	10 U	NR
Isophorone	ug/L	10 U	NR	10 U	NR	10 U	NR
Naphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR
Nitrobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR
N-Nitroso-di-n-propylamine	ug/L	10 U	NR	10 U	NR	10 U	NR
N-Nitrosodiphenylamine	ug/L	10 U	NR	10 U	NR	10 U	NR
Pentachlorophenol	ug/L	1 U	NR	1 U	NR	1 U	NR
Phenanthrene	ug/L	10 U	NR	10 U	NR	10 U	NR
Phenol	ug/L	10 U	NR	10 U	NR	10 U	NR
Pyrene	ug/L	10 U	NR	10 U	NR	10 U	NR
Pesticides							
4,4'-DDD	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
4'-DDE	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
'-DDT	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Aldrin	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
alpha-BHC	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
alpha-Chlordane	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
beta-BHC	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
delta-BHC	ug/L	0.05 R	NR	0.05 U	NR	0.05 R	NR
Dieldrin	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Endosulfan I	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
Endosulfan II	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Endosulfan Sulfate	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Endrin	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Endrin Aldehyde	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
Endrin Ketone	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR
gamma-BHC (Lindane)	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
gamma-Chlordane	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
Heptachlor	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
Heptachlor Epoxide	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR
Methoxychlor	ug/L	0.5 UJ	NR	0.5 U	NR	0.5 UJ	NR
Toxaphene	ug/L	5 UJ	NR	5 U	NR	5 UJ	NR
Herbicides							
2,4-D	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR
2,4-DB	ug/L	0.5 UJ	NR	0.5 U	NR	0.5 UJ	NR
2,4,5-T	ug/L	0.5 UJ	NR	0.5 U	NR	0.5 UJ	NR
2,4,5-TP (Silvex)	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR
Dalapon	ug/L	120 U	NR	120 U	NR	120 U	NR
Dicamba	ug/L	1.2 U	NR	1.2 U	NR	1.2 U	NR
Dichlorprop	ug/L	6 U	NR	6 U	NR	6 U	NR
Dinoseb	ug/L	10 U	NR	10 U	NR	10 U	NR
MCPA	ug/L	120 U	NR	120 U	NR	120 U	NR
MCPP	ug/L	120 U	NR	120 U	NR	120 U	NR

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= Not analyzed
NA = Not applicable

Table 3-1
Large Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Large Pond Surface Water					
		LPond-1-W (Total) 06/19/03 Surface	LPond-1-W (Dissolved) 06/19/03 Surface	LPond-2-W (Total) 06/25/03 Surface	LPond-2-W (Dissolved) 06/25/03 Surface	LPond-3-W (Total) 06/19/03 Surface	LPond-3-W (Dissolved) 06/19/03 Surface
PCBs	**Units**						
Decachlorobiphenyl	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR
Dichlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR
Heptachlorobiphenyl	ug/L	0.3 U	NR	0.3 U	NR	0.3 U	NR
Hexachlorobiphenyl	ug/L	0.2 U	NR	0.2 U	NR	0.2 U	NR
Monochlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR
Nonachlorobiphenyl	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR
Octachlorobiphenyl	ug/L	0.3 U	NR	0.3 U	NR	0.3 U	NR
Pentachlorobiphenyl	ug/L	0.2 U	NR	0.2 U	NR	0.2 U	NR
Tetrachlorobiphenyl	ug/L	0.2 U	NR	0.2 U	NR	0.2 U	NR
Trichlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR
Total PCBs	ug/L	0.5 U	NA	0.5 U	NA	0.5 U	NA
Dioxins/Furans							
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	0.000006 U	NR	NR	NR	NR	NR
1,2,3,4,6,7,8-HpCDF	ug/L	0.0000031 U	NR	NR	NR	NR	NR
1,2,3,4,7,8,9-HpCDF	ug/L	0.0000039 U	NR	NR	NR	NR	NR
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000054 U	NR	NR	NR	NR	NR
1,2,3,4,7,8-HxCDF	ug/L	0.0000042 U	NR	NR	NR	NR	NR
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000005 U	NR	NR	NR	NR	NR
1,2,3,6,7,8-HxCDF	ug/L	0.0000023 U	NR	NR	NR	NR	NR
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	0.0000047 U	NR	NR	NR	NR	NR
1,2,3,7,8,9-HxCDF	ug/L	0.0000028 U	NR	NR	NR	NR	NR
1,2,3,7,8-Pentachlorodibenzofuran	ug/L	0.0000044 U	NR	NR	NR	NR	NR
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	0.0000068 U	NR	NR	NR	NR	NR
2,3,4,6,7,8-HxCDF	ug/L	0.0000026 U	NR	NR	NR	NR	NR
2,3,4,7,8-PeCDF	ug/L	0.0000062 U	NR	NR	NR	NR	NR
2,3,7,8-TCDD	ug/L	0.0000037 U	NR	NR	NR	NR	NR
2,3,7,8-Tetrachlorodibenzofuran	ug/L	0.000013	NR	NR	NR	NR	NR
OCDD	ug/L	0.0000094 U	NR	NR	NR	NR	NR
OCDF	ug/L	0.000012 U	NR	NR	NR	NR	NR
Total HpCDD	ug/L	0.000006 U	NR	NR	NR	NR	NR
Total HpCDF	ug/L	0.0000039 U	NR	NR	NR	NR	NR
Total HxCDD	ug/L	0.0000054 U	NR	NR	NR	NR	NR
Total HxCDF	ug/L	0.0000082 U	NR	NR	NR	NR	NR
Total PeCDD	ug/L	0.0000068 U	NR	NR	NR	NR	NR
Total PeCDF	ug/L	0.000056	NR	NR	NR	NR	NR
tal TCDD	ug/L	0.0000037 U	NR	NR	NR	NR	NR
tal TCDF	ug/L	0.00024	NR	NR	NR	NR	NR
Metals							
Aluminum	mg/L	0.2 UJ	0.2 UJ	0.2 J	0.2 J	0.2 UJ	0.2 UJ
Antimony	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Barium	mg/L	0.12	0.12	0.12	0.13	0.14	0.14
Beryllium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	mg/L	79	82	77	79	91	89
Chromium	mg/L	0.01 U	0.01 U	0.01 U	0.0022 U	0.01 U	0.01 U
Cobalt	mg/L	0.01 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Copper	mg/L	0.0032 J	0.004 J	0.02 U	0.0031	0.02 U	0.02 U
Iron	mg/L	0.33 J	0.35	0.07 J	0.084 UJ	0.052	0.043
Lead	mg/L	0.0027 J	0.0029 J	0.005 UJ	0.005 UJ	0.005 U	0.005 U
Magnesium	mg/L	22	23	24	24	24	23
Manganese	mg/L	0.22	0.27	0.046	0.068	0.039	0.042
Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	mg/L	0.0031 J	0.0027 J	0.04 U	0.0023	0.04 UJ	0.04 UJ
Potassium	mg/L	0.64	0.66	0.51 J	0.54 J	0.49	0.46
Selenium	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U
Silver	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	mg/L	5.8	5.9	7.6	7.9	7.1	6.8
Thallium	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 U
Vanadium	mg/L	0.01 J	0.00094 J	0.0013 U	0.0017 U	0.00084 J	0.01 UJ
Zinc	mg/L	0.018	0.022	0.013	0.014	0.013	0.013
Other Chemistry							
Hardness, Carbonate	mg/L as Ca	370	NR	380	NR	390	NR

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NR = Not analyzed
NA = Not applicable

Table 3-2
Large Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Percent Moisture	Large Pond Sediment LPond-S-1 06/19/03 NR	LPond-S-2 06/25/03 NR	LPond-S-3 06/19/03 29.7
VOCs	**Units**			
1,1,1-Trichloroethane	ug/kg	9.4 U	7 U	7.6 U
1,1,2,2-Tetrachloroethane	ug/kg	9.4 U	7 U	7.6 U
1,1,2-Trichloroethane	ug/kg	9.4 U	7 U	7.6 U
1,1-Dichloroethane	ug/kg	9.4 U	7 U	7.6 U
1,1-Dichloroethylene	ug/kg	9.4 U	7 U	7.6 U
1,2-Dichloroethane	ug/kg	9.4 U	7 U	7.6 U
1,2-Dichloroethene (total)	ug/kg	3.1 J	14 U	15 U
1,2-Dichloropropane	ug/kg	9.4 U	7 U	7.6 U
2-Butanone (MEK)	ug/kg	25 J	35 U	18 J
2-Hexanone	ug/kg	47 U	35 U	38 U
4-Methyl-2-pentanone (MIBK)	ug/kg	47 U	35 U	38 U
Acetone	ug/kg	94 U	70 U	14 J
Benzene	ug/kg	9.4 U	7 U	7.6 U
Bromodichloromethane	ug/kg	9.4 U	7 U	7.6 U
Bromoform	ug/kg	9.4 U	7 U	7.6 U
Bromomethane	ug/kg	9.4 U	7 U	7.6 U
Carbon Disulfide	ug/kg	0.81 J	7 U	7.6 U
Carbon Tetrachloride	ug/kg	9.4 U	7 U	7.6 U
Chlorobenzene	ug/kg	9.4 U	7 U	7.6 U
Chloroethane	ug/kg	9.4 UJ	7 UJ	7.6 UJ
Chloroform	ug/kg	9.4 U	7 U	7.6 U
Chloromethane	ug/kg	9.4 U	7 U	7.6 U
cis-1,3-Dichloropropene	ug/kg	9.4 U	7 U	7.6 U
Dibromochloromethane	ug/kg	9.4 U	7 U	7.6 U
Ethylbenzene	ug/kg	2.6 J	0.82 J	0.9 J
Methylene Chloride	ug/kg	9.4 U	7 U	7.6 U
Styrene (Monomer)	ug/kg	9.4 U	7 U	7.6 U
Tetrachloroethene	ug/kg	9.4 U	7 U	7.6 U
Toluene	ug/kg	3.3 J	1.1 J	1 J
trans-1,3-Dichloropropene	ug/kg	9.4 U	7 U	7.6 U
Trichloroethylene	ug/kg	3 J	7 U	7.6 U
Vinyl chloride	ug/kg	9.4 U	7 U	7.6 U
Xylenes, Total	ug/kg	19 U	14 U	15 U
SVOCs				
1,2,4-Trichlorobenzene	ug/kg	6700 U	4700 U	5000 U
1,2-Dichlorobenzene	ug/kg	6700 U	4700 U	5000 U
1,3-Dichlorobenzene	ug/kg	6700 U	4700 U	5000 U
1,4-Dichlorobenzene	ug/kg	6700 U	4700 U	5000 U
2,2'-Oxybis(1-Chloropropane)	ug/kg	6700 U	4700 U	5000 U
2,4,5-Trichlorophenol	ug/kg	6700 U	4700 U	5000 U
2,4,6-Trichlorophenol	ug/kg	6700 U	4700 U	5000 U
2,4-Dichlorophenol	ug/kg	6700 U	4700 U	5000 U
2,4-Dimethylphenol	ug/kg	6700 U	4700 U	5000 U
2,4-Dinitrophenol	ug/kg	35000 U	24000 U	26000 U
2,4-Dinitrotoluene	ug/kg	6700 U	4700 U	5000 U
2,6-Dinitrotoluene	ug/kg	6700 U	4700 U	5000 U
2-Chloronaphthalene	ug/kg	6700 U	4700 U	5000 U
2-Chlorophenol	ug/kg	6700 U	4700 U	5000 U
2-Methylnaphthalene	ug/kg	6700 U	4700 U	5000 U
2-Methylphenol (o-Cresol)	ug/kg	6700 U	4700 U	5000 U
2-Nitroaniline	ug/kg	35000 U	24000 U	26000 U
2-Nitrophenol	ug/kg	6700 U	4700 U	5000 U
3,3'-Dichlorobenzidine	ug/kg	13000 U	9400 U	10000 U
3/4-Methylphenol (m&p-Cresol)	ug/kg	6700 U	4700 U	5000 U
3-Nitroaniline	ug/kg	35000 U	24000 U	26000 U
4,6-Dinitro-2-methylphenol	ug/kg	35000 U	24000 U	26000 U
4-Bromophenyl Phenyl Ether	ug/kg	6700 U	4700 U	5000 U
4-Chloro-3-methylphenol	ug/kg	6700 U	4700 U	5000 U
4-Chloroaniline	ug/kg	13000 U	9400 U	10000 U
4-Chlorophenyl Phenyl Ether	ug/kg	6700 U	4700 U	5000 U
4-Nitroaniline	ug/kg	35000 U	24000 U	26000 U
4-Nitrophenol	ug/kg	35000 U	24000 U	26000 U
Acenaphthene	ug/kg	6700 U	4700 U	5000 U
Acenaphthylene	ug/kg	6700 U	4700 U	5000 U
Anthracene	ug/kg	6700 U	4700 U	5000 U

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J = The concentration was detected at a value below the MDL.
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R = The sample results were rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte could not be determined.
NR = Not analyzed

Table 3-2
Large Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Percent Moisture	Large Pond Sediment LPond-S-1 06/19/03 NR	LPond-S-2 06/25/03 NR	LPond-S-3 06/19/03 29.7
SVOCs	**Units**			
Benzo(a)anthracene	ug/kg	6700 U	4700 U	5000 U
Benzo(a)pyrene	ug/kg	6700 U	4700 U	5000 U
Benzo(b)fluoranthene	ug/kg	6700 U	4700 U	5000 U
Benzo(g,h,i)perylene	ug/kg	6700 U	4700 U	5000 U
Benzo(k)fluoranthene	ug/kg	6700 U	4700 U	5000 U
bis(2-Chloroethoxy)methane	ug/kg	6700 U	4700 U	5000 U
bis(2-Chloroethyl)ether	ug/kg	6700 U	4700 U	5000 U
bis(2-Ethylhexyl)phthalate	ug/kg	630 J	4700 U	5000 U
Butyl Benzyl Phthalate	ug/kg	6700 U	4700 U	5000 U
Carbazole	ug/kg	6700 U	4700 U	5000 U
Chrysene	ug/kg	6700 U	4700 U	5000 U
Dibenzo(a,h)anthracene	ug/kg	6700 U	4700 U	5000 U
Dibenzofuran	ug/kg	6700 U	4700 U	5000 U
Diethyl Phthalate	ug/kg	6700 U	4700 U	5000 U
Dimethyl Phthalate	ug/kg	6700 U	4700 U	5000 U
Di-n-butylphthalate	ug/kg	6700 U	4700 U	5000 U
Di-n-octylphthalate	ug/kg	6700 U	4700 U	5000 U
Fluoranthene	ug/kg	6700 U	4700 U	5000 U
Fluorene	ug/kg	6700 U	4700 U	5000 U
Hexachlorobenzene	ug/kg	6700 U	4700 U	5000 U
Hexachlorobutadiene	ug/kg	6700 U	4700 U	5000 U
Hexachlorocyclopentadiene	ug/kg	6700 U	4700 U	5000 U
Hexachloroethane	ug/kg	6700 U	4700 U	5000 U
Indeno(1,2,3-cd)pyrene	ug/kg	6700 U	4700 U	5000 U
Isophorone	ug/kg	6700 U	4700 U	5000 U
Naphthalene	ug/kg	6700 U	4700 U	5000 U
Nitrobenzene	ug/kg	6700 U	4700 U	5000 U
N-Nitroso-di-n-propylamine	ug/kg	6700 U	4700 U	5000 U
N-Nitrosodiphenylamine	ug/kg	6700 U	4700 U	5000 U
Pentachlorophenol	ug/kg	1.8 J	24 U	26 U
Phenanthrene	ug/kg	6700 U	4700 U	5000 U
Phenol	ug/kg	6700 U	4700 U	5000 U
Pyrene	ug/kg	6700 U	4700 U	5000 U
Pesticides				
4,4'-DDD	ug/kg	340 UJ	94 UJ	20 R
4,4'-DDE	ug/kg	340 UJ	94 UJ	10 R
4,4'-DDT	ug/kg	340 UJ	94 UJ	74 J
Aldrin	ug/kg	170 UJ	48 UJ	5.2 UJ
alpha-BHC	ug/kg	170 UJ	48 UJ	5.2 UJ
alpha-Chlordane	ug/kg	170 UJ	48 UJ	5.2 R
beta-BHC	ug/kg	170 UJ	48 UJ	5.2 UJ
delta-BHC	ug/kg	170 UJ	48 UJ	5.2 UJ
Dieldrin	ug/kg	340 UJ	94 UJ	10 R
Endosulfan I	ug/kg	170 UJ	48 UJ	5.2 R
Endosulfan II	ug/kg	340 UJ	94 UJ	10 UJ
Endosulfan Sulfate	ug/kg	340 UJ	94 UJ	10 UJ
Endrin	ug/kg	340 UJ	94 UJ	10 R
Endrin Aldehyde	ug/kg	340 UJ	94 UJ	10 UJ
Endrin Ketone	ug/kg	31 J	94 UJ	10 UJ
gamma-BHC (Lindane)	ug/kg	53 J	48 UJ	1.1 J
gamma-Chlordane	ug/kg	170 UJ	48 UJ	5.2 R
Heptachlor	ug/kg	170 UJ	48 UJ	5.2 UJ
Heptachlor Epoxide	ug/kg	170 UJ	48 UJ	5.2 UJ
Methoxychlor	ug/kg	1700 UJ	480 UJ	52 UJ
Toxaphene	ug/kg	17000 UJ	4800 UJ	520 UJ
Herbicides				
2,4-D	ug/kg	17 U	12 U	12 U
2,4-DB	ug/kg	17 U	12 UJ	12 U
2,4,5-T	ug/kg	17 U	12 U	12 U
2,4,5-TP (Silvex)	ug/kg	17 U	12 U	12 U
Dalapon	ug/kg	4100 U	2800 U	3000 U
Dicamba	ug/kg	41 U	28 U	30 U
Dichlorprop	ug/kg	200 U	140 U	150 U
Dinoseb	ug/kg	6700 U	4700 U	5000 U
MCPA	ug/kg	4100 U	2800 U	3000 U
MCPP	ug/kg	4100 U	1600 J	3000 U

NOTES:
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UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results were rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte could not be determined.
NR = Not analyzed

Table 3-2
Large Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Percent Moisture	Large Pond Sediment LPond-S-1 06/19/03 NR	LPond-S-2 06/25/03 NR	LPond-S-3 06/19/03 29.7
PCBs	**Units**			
Decachlorobiphenyl	ug/kg	350 UJ	24 UJ	260 UJ
Dichlorobiphenyl	ug/kg	67 U	4.7 U	50 U
Heptachlorobiphenyl	ug/kg	2100	160	150 U
Hexachlorobiphenyl	ug/kg	6900	390	100
Monochlorobiphenyl	ug/kg	67 U	4.7 U	50 U
Nonachlorobiphenyl	ug/kg	170 J	7.4 J	260 U
Octachlorobiphenyl	ug/kg	260 J	31 J	150 U
Pentachlorobiphenyl	ug/kg	15000	630	150
Tetrachlorobiphenyl	ug/kg	10000 J	340 J	170 J
Trichlorobiphenyl	ug/kg	1100	24	16 J
Total PCBs	ug/kg	35530	1582	436
Dioxins/Furans				
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/kg	NR	NR	3.7
1,2,3,4,6,7,8-HpCDF	ug/kg	NR	NR	0.31
1,2,3,4,7,8,9-HpCDF	ug/kg	NR	NR	0.016
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	NR	0.006 J
1,2,3,4,7,8-HxCDF	ug/kg	NR	NR	0.019
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	NR	0.094
1,2,3,6,7,8-HxCDF	ug/kg	NR	NR	0.01
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	NR	0.018
1,2,3,7,8,9-HxCDF	ug/kg	NR	NR	0.00074 U
1,2,3,7,8-Pentachlorodibenzofuran	ug/kg	NR	NR	0.011
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/kg	NR	NR	0.0046 J
2,3,4,6,7,8-HxCDF	ug/kg	NR	NR	0.0086
2,3,4,7,8-PeCDF	ug/kg	NR	NR	0.027
2,3,7,8-TCDD	ug/kg	NR	NR	0.013
2,3,7,8-Tetrachlorodibenzofuran	ug/kg	NR	NR	0.056
OCDD	ug/kg	NR	NR	34
OCDF	ug/kg	NR	NR	1.8
Total HpCDD	ug/kg	NR	NR	7.3
Total HpCDF	ug/kg	NR	NR	1.6
Total HxCDD	ug/kg	NR	NR	0.53
Total HxCDF	ug/kg	NR	NR	0.47
Total PeCDD	ug/kg	NR	NR	0.092
Total PeCDF	ug/kg	NR	NR	0.3
Total TCDD	ug/kg	NR	NR	0.1
Total TCDF	ug/kg	NR	NR	0.57
Metals				
Aluminum	mg/kg	14000	10000	8900
Antimony	mg/kg	2.7 J	2.6 J	1.2 J
Arsenic	mg/kg	6.4 J	3.4 J	3.9 J
Barium	mg/kg	370	170	160
Beryllium	mg/kg	0.98	0.76	0.63
Cadmium	mg/kg	13	2.1	1.1
Calcium	mg/kg	14000	8900	7600
Chromium	mg/kg	79	18	15
Cobalt	mg/kg	12	8.5	7.2
Copper	mg/kg	88	32	22
Iron	mg/kg	24000	17000	15000
Lead	mg/kg	320	39	29
Magnesium	mg/kg	4500	4400	3300
Manganese	mg/kg	460	340	400
Mercury	mg/kg	0.87	1	0.064
Nickel	mg/kg	31 J	20 J	18 J
Potassium	mg/kg	1700 J	1300 J	1200 J
Selenium	mg/kg	2.4	1.3 U	1.5 U
Silver	mg/kg	0.52	0.2	1.5 U
Sodium	mg/kg	88	75	65
Thallium	mg/kg	1.9 U	1.3 U	1.5 U
Vanadium	mg/kg	36	28	25
Zinc	mg/kg	380 J	220 J	160 J
Other Chemistry				
Total Organic Carbon	mg/kg	27000	18000	12000
pH	units	7.2	NR	7.1

NOTES:
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UJ = The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
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NR = Not analyzed

Table 3-3
Small Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Small Pond Surface Water SPond-1-W (Total) 06/13/03 Surface	SPond-1-W (Dissolved) 06/13/03 Surface	SPond-2-W (Total) 06/13/03 Surface	SPond-2-W (Dissolved) 06/13/03 Surface	SPond-2-W (Dup) (Total) 06/13/03 Surface	SPond-2-W (Dup) (Dissolved) 06/13/03 Surface	SPond-3-W (Total) 06/13/03 Surface	SPond-3-W (Dissolved) 06/13/03 Surface
VOCs	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,1,2,2-Tetrachloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,1,2-Trichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,1-Dichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,1-Dichloroethylene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,2-Dichloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
1,2-Dichloroethene (total)	ug/L	2 UJ	NR	2 UJ	NR	2 UJ	NR	2 UJ	NR
1,2-Dichloropropane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
2-Butanone (MEK)	ug/L	10 U	NR	1.2 J	NR	10 U	NR	10 U	NR
2-Hexanone	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
4-Methyl-2-pentanone (MIBK)	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Acetone	ug/L	25 U	NR	25 U	NR	25 U	NR	25 U	NR
Benzene	ug/L	0.72 J	NR	1 U	NR	1 U	NR	0.099 J	NR
Bromodichloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Bromoform	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Bromomethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Carbon Disulfide	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Carbon Tetrachloride	ug/L	1 UJ	NR	1 UJ	NR	1 UJ	NR	1 UJ	NR
Chlorobenzene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Chloroethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Chloroform	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Chloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
cis-1,3-Dichloropropene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Dibromochloromethane	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Ethylbenzene	ug/L	0.45 J	NR	1 U	NR	1 U	NR	1 U	NR
Methylene Chloride	ug/L	5 U	NR	5 U	NR	5 U	NR	5 U	NR
Styrene (Monomer)	ug/L	2.8	NR	1 U	NR	1 U	NR	1 U	NR
Tetrachloroethene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Toluene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
trans-1,3-Dichloropropene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Trichloroethylene	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Vinyl chloride	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Xylenes, Total	ug/L	2 U	NR	2 U	NR	2 U	NR	2 U	NR
SVOCs									
1,2,4-Trichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
,2-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
,3-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
1,4-Dichlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2,2'-Oxybis(1-Chloropropane)	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2,4,5-Trichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2,4,6-Trichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2,4-Dichlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2,4-Dimethylphenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2,4-Dinitrophenol	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
2,4-Dinitrotoluene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2,6-Dinitrotoluene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2-Chloronaphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2-Chlorophenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2-Methylnaphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
2-Methylphenol (o-Cresol)	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
2-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
2-Nitrophenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
3,3'-Dichlorobenzidine	ug/L	20 U	NR	20 U	NR	20 U	NR	20 UJ	NR
3/4-Methylphenol (m&p-Cresol)	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
3-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
4,6-Dinitro-2-methylphenol	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
4-Bromophenyl Phenyl Ether	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
4-Chloro-3-methylphenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
4-Chloroaniline	ug/L	20 U	NR	20 U	NR	20 U	NR	20 U	NR
4-Chlorophenyl Phenyl Ether	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
4-Nitroaniline	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
4-Nitrophenol	ug/L	50 U	NR	50 U	NR	50 U	NR	50 UJ	NR
Acenaphthene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Acenaphthylene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR

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NR = Not analyzed
NA = Not applicable

Table 3-3
Small Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Small Pond Surface Water SPond-1-W (Total) 06/13/03 Surface	SPond-1-W (Dissolved) 06/13/03 Surface	SPond-2-W (Total) 06/13/03 Surface	SPond-2-W (Dissolved) 06/13/03 Surface	SPond-2-W (Dup) (Total) 06/13/03 Surface	SPond-2-W (Dup) (Dissolved) 06/13/03 Surface	SPond-3-W (Total) 06/13/03 Surface	SPond-3-W (Dissolved) 06/13/03 Surface
SVOCs	**Units**								
Benzo(a)anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Benzo(a)pyrene	ug/L	1.5 J	NR	10 U	NR	10 U	NR	4.6 J	NR
Benzo(b)fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Benzo(g,h,i)perylene	ug/L	2.7 J	NR	10 U	NR	10 U	NR	3.4 J	NR
Benzo(k)fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR	7.2 J	NR
bis(2-Chloroethoxy)methane	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
bis(2-Chloroethyl)ether	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
bis(2-Ethylhexyl)phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Butyl Benzyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Carbazole	ug/L	10 UJ	NR	10 UJ	NR	10 UJ	NR	10 UJ	NR
Chrysene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Dibenzo(a,h)anthracene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Dibenzofuran	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Diethyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Dimethyl Phthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Di-n-butylphthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Di-n-octylphthalate	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Fluoranthene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Fluorene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Hexachlorobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Hexachlorobutadiene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Hexachlorocyclopentadiene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Hexachloroethane	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Indeno(1,2,3-cd)pyrene	ug/L	10 U	NR	10 U	NR	10 U	NR	3 J	NR
Isophorone	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Naphthalene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Nitrobenzene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
N-Nitroso-di-n-propylamine	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
N-Nitrosodiphenylamine	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Pentachlorophenol	ug/L	1 U	NR	1 U	NR	1 U	NR	1 U	NR
Phenanthrene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Phenol	ug/L	10 U	NR	10 U	NR	10 U	NR	10 U	NR
Pyrene	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
Pesticides									
4,4'-DDD	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
4,4'-DDE	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
4,4'-DDT	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
Aldrin	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
alpha-BHC	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
alpha-Chlordane	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
beta-BHC	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
delta-BHC	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
Dieldrin	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.01 UJ	NR
Endosulfan I	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
Endosulfan II	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
Endosulfan Sulfate	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
Endrin	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
Endrin Aldehyde	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
Endrin Ketone	ug/L	0.1 UJ	NR	0.1 U	NR	0.1 UJ	NR	0.1 UJ	NR
gamma-BHC (Lindane)	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
gamma-Chlordane	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
Heptachlor	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
Heptachlor Epoxide	ug/L	0.05 UJ	NR	0.05 U	NR	0.05 UJ	NR	0.05 UJ	NR
Methoxychlor	ug/L	0.5 UJ	NR	0.5 U	NR	0.5 UJ	NR	0.5 UJ	NR
Toxaphene	ug/L	5 UJ	NR	5 U	NR	5 UJ	NR	5 UJ	NR
Herbicides									
2,4-D	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
2,4-DB	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
2,4,5-T	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
2,4,5-TP (Silvex)	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
Dalapon	ug/L	120 U	NR	120 U	NR	120 U	NR	120 U	NR
Dicamba	ug/L	1.2 U	NR	1.2 U	NR	1.2 U	NR	1.2 U	NR
Dichlorprop	ug/L	6 U	NR	6 U	NR	6 U	NR	6 U	NR
Dinoseb	ug/L	10 U	NR	10 U	NR	10 U	NR	10 UJ	NR
MCPA	ug/L	120 U	NR	120 U	NR	120 U	NR	120 U	NR
MCPP	ug/L	120 U	NR	120 U	NR	120 U	NR	120 U	NR

NOTES:
U = Not detected at the MDL.
J = The concentration was detected at a value below the MDL.
UJ = The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
NR = Not analyzed
NA = Not applicable

Table 3-3
Small Pond Surface Water Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Sample Depth	Small Pond Surface Water SPond-1-W (Total) 06/13/03 Surface	SPond-1-W (Dissolved) 06/13/03 Surface	SPond-2-W (Total) 06/13/03 Surface	SPond-2-W (Dissolved) 06/13/03 Surface	SPond-2-W (Dup) (Total) 06/13/03 Surface	SPond-2-W (Dup) (Dissolved) 06/13/03 Surface	SPond-3-W (Total) 06/13/03 Surface	SPond-3-W (Dissolved) 06/13/03 Surface
PCBs	**Units**								
Decachlorobiphenyl	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
Dichlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR	0.1 U	NR
Heptachlorobiphenyl	ug/L	0.3 U	NR	0.3 U	NR	0.3 U	NR	0.3 U	NR
Hexachlorobiphenyl	ug/L	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR
Monochlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR	0.1 U	NR
Nonachlorobiphenyl	ug/L	0.5 U	NR	0.5 U	NR	0.5 U	NR	0.5 U	NR
Octachlorobiphenyl	ug/L	0.3 U	NR	0.3 U	NR	0.3 U	NR	0.3 U	NR
Pentachlorobiphenyl	ug/L	0.2 U	NR	0.05 J	NR	0.2 U	NR	0.2 U	NR
Tetrachlorobiphenyl	ug/L	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U	NR
Trichlorobiphenyl	ug/L	0.1 U	NR	0.1 U	NR	0.1 U	NR	0.1 U	NR
Total PCBs	ug/L	0.5 U	NA	0.05	NA	0.5 U	NA	0.5 U	NA
Dioxins/Furans									
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/L	4.9E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,4,6,7,8-HpCDF	ug/L	3.6E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,4,7,8,9-HpCDF	ug/L	3.9E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000004 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,4,7,8-HxCDF	ug/L	5.3E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/L	0.000004 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,6,7,8-HxCDF	ug/L	4.9E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/L	3.7E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,7,8,9-HxCDF	ug/L	5.8E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,7,8-Pentachlorodibenzofuran	ug/L	3.7E-06 U	NR	NR	NR	NR	NR	NR	NR
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/L	5.2E-06 U	NR	NR	NR	NR	NR	NR	NR
2,3,4,6,7,8-HxCDF	ug/L	5.5E-06 U	NR	NR	NR	NR	NR	NR	NR
2,3,4,7,8-PeCDF	ug/L	3.8E-06 U	NR	NR	NR	NR	NR	NR	NR
2,3,7,8-TCDD	ug/L	2.6E-06 U	NR	NR	NR	NR	NR	NR	NR
2,3,7,8-Tetrachlorodibenzofuran	ug/L	4.7E-06 U	NR	NR	NR	NR	NR	NR	NR
OCDD	ug/L	0.000015 U	NR	NR	NR	NR	NR	NR	NR
OCDF	ug/L	5.1E-06 U	NR	NR	NR	NR	NR	NR	NR
Total HpCDD	ug/L	4.9E-06 U	NR	NR	NR	NR	NR	NR	NR
Total HpCDF	ug/L	3.9E-06 U	NR	NR	NR	NR	NR	NR	NR
Total HxCDD	ug/L	0.000004 U	NR	NR	NR	NR	NR	NR	NR
Total HxCDF	ug/L	5.8E-06 U	NR	NR	NR	NR	NR	NR	NR
Total PeCDD	ug/L	0.000007 U	NR	NR	NR	NR	NR	NR	NR
Total PeCDF	ug/L	3.8E-06 U	NR	NR	NR	NR	NR	NR	NR
otal TCDD	ug/L	2.6E-06 U	NR	NR	NR	NR	NR	NR	NR
.otal TCDF	ug/L	4.7E-06 U	NR	NR	NR	NR	NR	NR	NR
Metals									
Aluminum	mg/L	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Antimony	mg/L	0.0075 U	0.0042 U	0.0046 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Arsenic	mg/L	0.01 U	0.01 U	0.01 U	0.0092	0.01 U	0.01 U	0.01 U	0.01 U
Barium	mg/L	0.15	0.14	0.14	0.14	0.14	0.14	0.12	0.12
Beryllium	mg/L	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	mg/L	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	mg/L	110	110	98	97	97	95	78	77
Chromium	mg/L	0.01 U	0.01 U	0.0012 U	0.0014 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Copper	mg/L	0.0053	0.0055	0.0051	0.0054	0.0052	0.0051	0.0067	0.0068
Iron	mg/L	0.034	0.051	0.031	0.05 U	0.023	0.044	0.05	0.046
Lead	mg/L	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.005 UJ
Magnesium	mg/L	27	25	24	24	24	24	20	20
Manganese	mg/L	0.022	0.028	0.021	0.02	0.019	0.019	0.042	0.032
Mercury	mg/L	0.00009	0.00011	0.0002 U	0.000089	0.000088	0.0002 U	0.0001	0.000086
Nickel	mg/L	0.04 U	0.04 U	0.0022	0.04 U	0.04 U	0.0024	0.04 U	0.04 U
Potassium	mg/L	2.2	2.1	1.9	1.8	1.9	1.8	2.4	2.4
Selenium	mg/L	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	mg/L	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	mg/L	11	11	11	11	11	11	9.8	9.8
Thallium	mg/L	0.01 U	0.0069	0.01 U	0.0062	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	mg/L	0.01 U	0.01 U	0.0011 U	0.01 U	0.01 U	0.00085 U	0.00092 U	0.0013 U
Zinc	mg/L	0.016	0.017	0.024	0.022	0.016	0.014	0.02	0.018
Other Chemistry									
Hardness, Carbonate	mg/L as Ca	460	NR	400	NR	400	NR	330	NR

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NR = Not analyzed
NA = Not applicable

Table 3-4
Small Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Percent Moisture	Small Pond Sediment SPond-S-1 06/13/03 NR	SPond-S-2 06/13/03 25.3	SPond-S-3 06/13/03 NR	SPond-S-3 (Dup) 06/13/03 NR
VOCs	**Units**				
1,1,1-Trichloroethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,1,2,2-Tetrachloroethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,1,2-Trichloroethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,1-Dichloroethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,1-Dichloroethylene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,2-Dichloroethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
1,2-Dichloroethene (total)	ug/kg	17 U	14 U	13 U	15 U
1,2-Dichloropropane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
2-Butanone (MEK)	ug/kg	19 J	17 J	32 U	17 J
2-Hexanone	ug/kg	42 U	36 U	32 U	38 U
4-Methyl-2-pentanone (MIBK)	ug/kg	42 U	36 U	32 U	38 U
Acetone	ug/kg	12 J	7.2 J	64 U	76 U
Benzene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Bromodichloromethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Bromoform	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Bromomethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Carbon Disulfide	ug/kg	0.76 J	7.1 U	6.4 U	7.6 U
Carbon Tetrachloride	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Chlorobenzene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Chloroethane	ug/kg	8.3 UJ	7.1 UJ	6.4 UJ	7.6 UJ
Chloroform	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Chloromethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
cis-1,3-Dichloropropene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Dibromochloromethane	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Ethylbenzene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Methylene Chloride	ug/kg	8.4 U	2 J	6.4 U	7.6 U
Styrene (Monomer)	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Tetrachloroethene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Toluene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
trans-1,3-Dichloropropene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Trichloroethylene	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Vinyl chloride	ug/kg	8.3 U	7.1 U	6.4 U	7.6 U
Xylenes, Total	ug/kg	17 U	14 U	13 U	15 U
SVOCs					
1,2,4-Trichlorobenzene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
1,2-Dichlorobenzene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
1,3-Dichlorobenzene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
1,4-Dichlorobenzene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,2'-Oxybis(1-Chloropropane)	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,4,5-Trichlorophenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,4,6-Trichlorophenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,4-Dichlorophenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,4-Dimethylphenol	ug/kg	88 UJ	480 UJ	480 UJ	500 U
2,4-Dinitrophenol	ug/kg	2900 UJ	2500 UJ	2500 UJ	2600 U
2,4-Dinitrotoluene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2,6-Dinitrotoluene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2-Chloronaphthalene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2-Chlorophenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2-Methylnaphthalene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2-Methylphenol (o-Cresol)	ug/kg	560 UJ	480 UJ	480 UJ	500 U
2-Nitroaniline	ug/kg	2900 UJ	2500 UJ	2500 UJ	2600 U
2-Nitrophenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
3,3'-Dichlorobenzidine	ug/kg	1100 U	960 U	960 U	1000 U
3/4-Methylphenol (m&p-Cresol)	ug/kg	560 UJ	480 UJ	480 UJ	500 U
3-Nitroaniline	ug/kg	2900 UJ	2500 UJ	2500 UJ	2600 U
4,6-Dinitro-2-methylphenol	ug/kg	2900 U	2500 UJ	2500 U	2600 U
4-Bromophenyl Phenyl Ether	ug/kg	560 U	480 UJ	480 U	500 U
4-Chloro-3-methylphenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
4-Chloroaniline	ug/kg	1100 UJ	960 UJ	960 UJ	1000 U
4-Chlorophenyl Phenyl Ether	ug/kg	560 UJ	480 UJ	480 UJ	500 U
4-Nitroaniline	ug/kg	2900 UJ	2500 UJ	2500 UJ	2600 U
4-Nitrophenol	ug/kg	2900 UJ	2500 UJ	2500 UJ	2600 U
Acenaphthene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Acenaphthylene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Anthracene	ug/kg	560 U	480 UJ	480 U	500 U

NOTES:
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NR = Not analyzed

Table 3-4
Small Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	Sample ID Sample Date Percent Moisture	Small Pond Sediment SPond-S-1 06/13/03 NR	SPond-S-2 06/13/03 25.3	SPond-S-3 06/13/03 NR	SPond-S-3 (Dup) 06/13/03 NR
SVOCs	**Units**				
Benzo(a)anthracene	ug/kg	560 U	480 U	480 U	500 U
Benzo(a)pyrene	ug/kg	560 U	480 U	480 U	500 U
Benzo(b)fluoranthene	ug/kg	560 U	480 U	480 U	500 U
Benzo(g,h,i)perylene	ug/kg	560 U	480 U	480 U	500 U
Benzo(k)fluoranthene	ug/kg	560 U	480 U	480 U	500 U
bis(2-Chloroethoxy)methane	ug/kg	560 UJ	480 UJ	480 UJ	500 U
bis(2-Chloroethyl)ether	ug/kg	560 UJ	480 UJ	480 UJ	500 U
bis(2-Ethylhexyl)phthalate	ug/kg	560 U	480 U	480 U	500 U
Butyl Benzyl Phthalate	ug/kg	560 U	480 U	480 U	500 U
Carbazole	ug/kg	560 U	480 UJ	480 U	500 U
Chrysene	ug/kg	560 U	480 U	480 U	500 U
Dibenzo(a,h)anthracene	ug/kg	560 U	480 U	480 U	500 U
Dibenzofuran	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Diethyl Phthalate	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Dimethyl Phthalate	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Di-n-butylphthalate	ug/kg	560 U	480 UJ	480 U	500 U
Di-n-octylphthalate	ug/kg	560 U	480 U	480 U	500 U
Fluoranthene	ug/kg	560 U	480 UJ	480 U	500 U
Fluorene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Hexachlorobenzene	ug/kg	560 U	480 UJ	480 U	500 U
Hexachlorobutadiene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Hexachlorocyclopentadiene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Hexachloroethane	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Indeno(1,2,3-cd)pyrene	ug/kg	560 U	480 U	480 U	500 U
Isophorone	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Naphthalene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Nitrobenzene	ug/kg	560 UJ	480 UJ	480 UJ	500 U
N-Nitroso-di-n-propylamine	ug/kg	560 UJ	480 UJ	480 UJ	500 U
N-Nitrosodiphenylamine	ug/kg	560 U	480 UJ	480 U	500 U
Pentachlorophenol	ug/kg	82	14 J	1.6 J	1.7 J
Phenanthrene	ug/kg	560 U	480 UJ	480 U	500 U
Phenol	ug/kg	560 UJ	480 UJ	480 UJ	500 U
Pyrene	ug/kg	87 J	480 U	480 U	500 U
Pesticides					
4,4'-DDD	ug/kg	56 U	48 U	2.7 R	1.8 R
4,4'-DDE	ug/kg	56 U	48 U	4.8 U	10 U
4,4'-DDT	ug/kg	56 U	48 U	4.8 U	10 U
Aldrin	ug/kg	29 U	25 U	2.5 U	5.2 U
alpha-BHC	ug/kg	29 U	25 U	2.5 U	5.2 U
alpha-Chlordane	ug/kg	29 U	25 U	2.5 U	5.2 U
beta-BHC	ug/kg	29 U	25 U	2.5 U	5.2 U
delta-BHC	ug/kg	29 U	25 U	2.5 U	5.2 U
Dieldrin	ug/kg	460 J	210 J	21	30 J
Endosulfan I	ug/kg	29 U	25 U	2.5 U	5.2 U
Endosulfan II	ug/kg	56 U	48 U	4.8 U	10 U
Endosulfan Sulfate	ug/kg	56 U	48 U	4.8 U	10 U
Endrin	ug/kg	56 U	48 U	4.8 U	10 U
Endrin Aldehyde	ug/kg	56 U	48 U	4.8 UJ	10 UJ
Endrin Ketone	ug/kg	56 U	48 U	4.8 U	10 U
gamma-BHC (Lindane)	ug/kg	17 J	5.8 J	2.5 U	1 J
gamma-Chlordane	ug/kg	29 U	25 U	2.5 U	5.2 U
Heptachlor	ug/kg	29 U	25 U	2.5 UJ	5.2 UJ
Heptachlor Epoxide	ug/kg	29 U	25 U	2.5 U	5.2 U
Methoxychlor	ug/kg	290 U	250 U	25 UJ	52 UJ
Toxaphene	ug/kg	2900 U	2500 U	250 U	520 U
Herbicides					
2,4-D	ug/kg	7.2 J	6.9 J	12 U	12 U
2,4-DB	ug/kg	14 U	12 U	12 U	12 U
2,4,5-T	ug/kg	14 U	12 U	12 U	12 U
2,4,5-TP (Silvex)	ug/kg	14 U	12 U	12 U	12 U
Dalapon	ug/kg	3400 U	2900 U	2900 U	3000 U
Dicamba	ug/kg	34 U	29 U	29 U	30 U
Dichlorprop	ug/kg	170 U	140 U	140 U	150 U
Dinoseb	ug/kg	560 U	480 U	480 U	500 U
MCPA	ug/kg	3400 U	2900 U	2900 U	3000 U
MCPP	ug/kg	3400 U	2900 U	2900 U	3000 U

NOTES:
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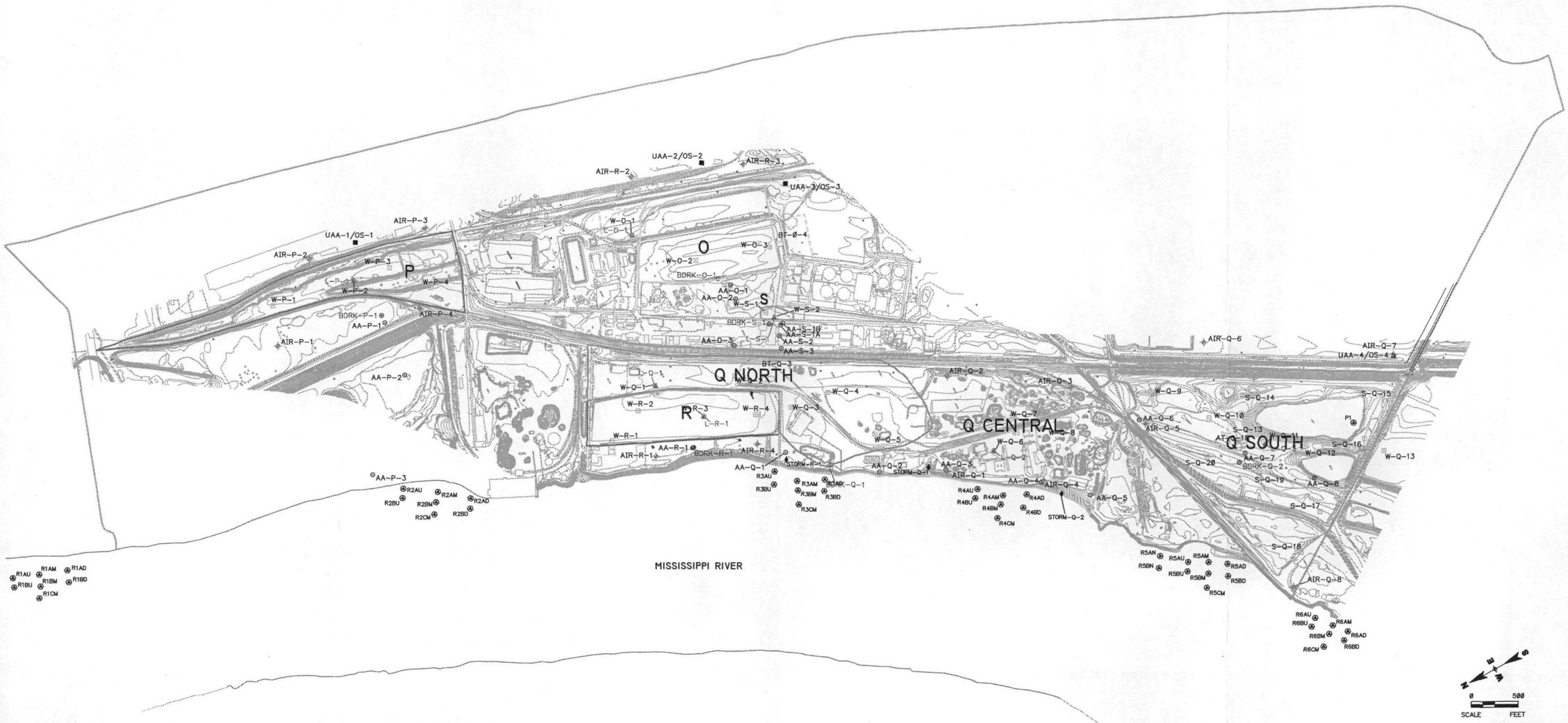
NR = Not analyzed

Table 3-4
Small Pond Sediment Analyte Concentrations
September, 2003
Sauget, IL

Analyte	*Sample ID* Sample Date Percent Moisture	Small Pond Sediment *SPond-S-1* 06/13/03 NR	*SPond-S-2* 06/13/03 25.3	*SPond-S-3* 06/13/03 NR	*SPond-S-3 (Dup)* 06/13/03 NR
PCBs	**Units**				
Decachlorobiphenyl	ug/kg	290 U	250 U	250 U	260 U
Dichlorobiphenyl	ug/kg	56 U	48 U	48 U	50 U
Heptachlorobiphenyl	ug/kg	39 J	110 J	67 J	28 J
Hexachlorobiphenyl	ug/kg	2700	940	210	180
Monochlorobiphenyl	ug/kg	56 U	48 U	48 U	50 U
Nonachlorobiphenyl	ug/kg	290 U	250 U	250 U	260 U
Octachlorobiphenyl	ug/kg	35 J	140 U	140 U	150 U
Pentachlorobiphenyl	ug/kg	13000	4700	720	890
Tetrachlorobiphenyl	ug/kg	4200	3500	470	780
Trichlorobiphenyl	ug/kg	56 U	48 U	48 U	66
Total PCBs	ug/kg	19974	9250	1467	1944
Dioxins/Furans					
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ug/kg	NR	3.6	NR	NR
1,2,3,4,6,7,8-HpCDF	ug/kg	NR	0.77	NR	NR
1,2,3,4,7,8,9-HpCDF	ug/kg	NR	0.033	NR	NR
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	0.019	NR	NR
1,2,3,4,7,8-HxCDF	ug/kg	NR	0.031	NR	NR
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	0.28	NR	NR
1,2,3,6,7,8-HxCDF	ug/kg	NR	0.02	NR	NR
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ug/kg	NR	0.12	NR	NR
1,2,3,7,8,9-HxCDF	ug/kg	NR	0.0016 U	NR	NR
1,2,3,7,8-Pentachlorodibenzofuran	ug/kg	NR	0.0068	NR	NR
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ug/kg	NR	0.01	NR	NR
2,3,4,6,7,8-HxCDF	ug/kg	NR	0.016	NR	NR
2,3,4,7,8-PeCDF	ug/kg	NR	0.026	NR	NR
2,3,7,8-TCDD	ug/kg	NR	0.0013	NR	NR
2,3,7,8-Tetrachlorodibenzofuran	ug/kg	NR	0.026	NR	NR
OCDD	ug/kg	NR	24	NR	NR
OCDF	ug/kg	NR	2.1	NR	NR
Total HpCDD	ug/kg	NR	5.9	NR	NR
Total HpCDF	ug/kg	NR	2.2	NR	NR
Total HxCDD	ug/kg	NR	1.6	NR	NR
Total HxCDF	ug/kg	NR	0.76	NR	NR
Total PeCDD	ug/kg	NR	0.05	NR	NR
Total PeCDF	ug/kg	NR	0.23	NR	NR
Total TCDD	ug/kg	NR	0.035	NR	NR
Total TCDF	ug/kg	NR	0.26	NR	NR
Metals					
Aluminum	mg/kg	8300	4700	6100	5600
Antimony	mg/kg	3 U	2.7 U	2.7 U	2.8 U
Arsenic	mg/kg	8.5	3.2	3.7	5.3
Barium	mg/kg	260	160	160	160
Beryllium	mg/kg	0.52	0.3	0.37	0.38
Cadmium	mg/kg	6.2	0.63	0.98	1.1
Calcium	mg/kg	6700	7700	10000	10000
Chromium	mg/kg	39	11	12	11
Cobalt	mg/kg	6.9	4.2	5.1	5.9
Copper	mg/kg	680	87	31	31
Iron	mg/kg	15000	9000	11000	12000
Lead	mg/kg	390	31	41	27
Magnesium	mg/kg	3900	3800	4200	4200
Manganese	mg/kg	200	220	280	270
Mercury	mg/kg	0.19	0.029	0.055	0.033
Nickel	mg/kg	91	19	16	21
Potassium	mg/kg	1300 J	880 J	1000 J	1000 J
Selenium	mg/kg	1.5 U	1.3 U	1.4 U	1.4 U
Silver	mg/kg	0.5	1.3 U	1.4 U	1.4 U
Sodium	mg/kg	150 U	140 U	120 U	140 U
Thallium	mg/kg	1.5 U	1.3 U	1.4 U	1.4 U
Vanadium	mg/kg	22	15	18	18
Zinc	mg/kg	750	140	130	120
Other Chemistry					
Total Organic Carbon	mg/kg	49000	21000	13000	16000
pH	units	7.2	7.3	7.3	7.5

NOTES:
U = Not detected at the MDL.
J = The concentration was detected at a value below the MDL.
UJ = The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R = The sample results were rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte could not be determined.
NR = Not analyzed

Surface Water and Sediment



LEGEND

- ■ Offsite Soil and Upgradient/Groundwater Sampling Locations
- ⊙ Site-Related Groundwater Sampling Locations
- ⊕ Bedrock Monitoring Well
- Air Sampling Location
- Waste Characterization Boring Location
- Leachate Monitoring Well Location
- River Soil Sediment Sample Location
- ♦ Stormwater Sample Locations

Revision No.	Description	Date	By	App.

REVISIONS

SAUGET AREA 2
RI/FS DATA REPORT
SAUGET ILLINOIS

Offsite Soil and Upgradient/Groundwater, Piezometer, Site-Related Groundwater, and Air Sampling Locations

Date: 3/27/03	Project Number: 23200100024.02	Figure Number: A
Drawn by: djd	Design by: sjs	Checked by:

URS

File: E:\21560888.04001\REPORTS\DATA REPORTS\SAMPLING LOCATION MAP.DWG Last edited: MAR. 27, 03 @ 09:57 a.m. by: DJDEGUID

Table 5-15
Surface Water Analytical Data-2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
Q (Large Pond)	P11W	ND	ND	0.038	ND	ND	0.000004601	0.013	0.014	ND	0.052
	P11W-Filtered							ND	ND	ND	ND
	P12W	ND									
	P12W-Filtered		5.6	0.0168	ND	ND					
Mississippi River	R1AD1W	ND	ND	0.024	ND	ND		ND	ND	ND	ND
	R1AD1W-Filtered							ND	ND	ND	ND
	R1AM1W	ND	ND	ND	ND	ND		ND	ND	ND	ND
	R1AM1W-Filtered							ND	ND	ND	ND
	R1AU1W	ND	ND	0.015	ND	ND		ND	ND	ND	ND
	R1AU1W-Filtered							ND	ND	ND	ND
	R1BD1W	0.5	ND	0.023	ND	ND		ND	ND	ND	ND
	R1BD1W-Filtered							ND	ND	ND	ND
	R1BM1W	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND
	R1BM1W-Filtered							ND	ND	ND	ND
	R1BM2W	ND	14	0.015	ND	ND	ND	ND	ND	ND	ND
	R1BM2W-Filtered							ND	ND	ND	ND
	R1BU1W	ND	ND	ND	ND	ND		ND	ND	ND	0.0046
	R1BU1W-Filtered							ND	ND	ND	ND
	R1CM1W	ND	ND	0.016	0.3	ND		ND	ND	ND	ND
	R1CM1W-Filtered							ND	ND	ND	ND
	R2AD1W	ND	ND	ND	ND	ND		ND	ND	ND	0.0054
	R2AD1W-Filtered							ND	ND	ND	0.036
	R2AM1W	ND	ND	ND	ND	ND		ND	ND	ND	ND
	R2AM1W-Filtered							ND	ND	ND	ND
	R2AM2W	0.76	ND	ND	ND	ND		ND	ND	ND	0.0061
	R2AM2W-Filtered							ND	ND	ND	0.02
	R2AU1W	ND	ND	ND	ND	ND		ND	ND	ND	ND
	R2AU1W-Filtered							ND	ND	ND	ND
	R2BD1W	ND	ND	ND	ND	ND		ND	ND	ND	0.0044
	R2BD1W-Filtered							ND	ND	ND	ND
	R2BM1W	0.3	ND	ND	ND	ND	ND	ND	0.0036	ND	ND
	R2BM1W-Filtered							ND	ND	ND	ND
	R2BU1W	0.57	ND	0.019	ND	ND		ND	ND	ND	ND

Table 5-15
Surface Water Analytical Data-2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
Mississippi River	R2BU1W-Filtered							ND	ND	ND	ND
	R2CM1W	0.69	ND	ND	ND	ND		ND	ND	ND	ND
	R2CM1W-Filtered							ND	ND	ND	ND
	R3AD1W	3.9	25.2	0.0092	4.01	ND		ND	ND	ND	ND
	R3AD1W-Filtered							ND	ND	ND	ND
	R3AM1W	6.65	31.3	ND	5.1	ND		ND	ND	ND	ND
	R3AM1W-Filtered							ND	ND	ND	ND
	R3AU1W	74.41	379.7	ND	33.4	ND		ND	ND	ND	ND
	R3AU1W-Filtered							ND	ND	ND	ND
	R3BD1W	2.87	11.8	ND	2.73	ND		ND	ND	ND	ND
	R3BD1W-Filtered							ND	ND	ND	ND
	R3BM1W	7.04	37.1	0.008	4.69	ND	ND	ND	ND	ND	ND
	R3BM1W-Filtered							ND	ND	ND	ND
	R3BU1W	10.9	15.3	ND	6.17	ND		ND	ND	ND	0.037
	R3BU1W-Filtered							ND	ND	ND	ND
	R3CM1W	0.33	ND	ND	ND	ND		0.039	0.0028	ND	ND
	R3CM1W-Filtered							ND	ND	ND	ND
	R4AD1W	4.5	17.5	ND	3.45	ND		ND	ND	ND	ND
	R4AD1W-Filtered							ND	ND	ND	ND
	R4AM1W	4.51	11.8	ND	3.02	ND		ND	ND	ND	ND
	R4AM1W-Filtered							ND	ND	ND	ND
	R4AU1W	44.76	13.2	ND	3.06	ND		ND	0.0031	ND	ND
	R4AU1W-Filtered							ND	ND	ND	ND
	R4BD1W	2.25	ND	ND	ND	ND		ND	ND	ND	ND
	R4BD1W-Filtered							ND	ND	ND	ND
	R4BM1W	2.8	9.1	ND	2.11	ND	ND	ND	0.0049	ND	ND
	R4BM1W-Filtered							ND	ND	ND	ND
	R4BU1W	3.95	6.3	ND	2.19	ND		ND	ND	ND	0.041
	R4BU1W-Filtered							ND	ND	ND	ND
	R4CM1W	1.6	17	ND	ND	ND		ND	ND	ND	ND
	R4CM1W-Filtered							ND	ND	ND	ND
	R4CM2W	0.54	ND	ND	ND	ND		ND	ND	ND	ND
	R4CM2W-Filtered							ND	ND	ND	ND

Table 5-15
Surface Water Analytical Data-2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/L	Total Semivolatile Organic Compounds ug/L	Total Pesticides ug/L	Total Herbicides ug/L	Total Polychlorinated Biphenyls (PCB) ug/L	Total Dioxin TEQs ug/L	Total Copper mg/L	Total Lead mg/L	Total Mercury mg/L	Total Zinc mg/L
Mississippi River	R5AD1W	2.41	ND	ND	1.3	ND		ND	ND	ND	0.0059
	R5AD1W-Filtered							ND	ND	0.000094	0.0049
	R5AM1W	1.56	1.8	ND	1.08	ND		ND	ND	0.00014	ND
	R5AM1W-Filtered							ND	ND	0.00012	ND
	R5AN1W	1.9	2.6	0.023	1.8	ND		ND	ND	ND	0.0042
	R5AN1W-Filtered							ND	ND	ND	ND
	R5AU1W	1.68	2.2	ND	1.1	ND		ND	ND	ND	ND
	R5AU1W-Filtered							ND	ND	ND	ND
	R5BD1W	0.88	1.2	ND	0.72	ND		ND	ND	0.0002	ND
	R5BD1W-Filtered							ND	ND	ND	ND
	R5BM1W	1.44	2	ND	85.1	ND	ND	ND	ND	ND	ND
	R5BM1W-Filtered							ND	ND	0.00012	ND
	R5BN1W	3	ND	ND	1.6	ND		ND	ND	ND	0.0039
	R5BN1W-Filtered							ND	ND	ND	ND
	R5BU1W	1.53	2.3	ND	0.94	ND		ND	0.0027	ND	ND
	R5BU1W-Filtered							ND	ND	ND	ND
	R5CM1W	0.55	ND	ND	ND	ND		ND	ND	0.00008	ND
	R5CM1W-Filtered							ND	ND	ND	ND
	R6AD1W	ND	ND	ND	0.71	ND		0.0025	ND	ND	0.0053
	R6AD1W-Filtered							ND	ND	ND	0.0033
	R6AM1W	3.1	ND	ND	1	ND		ND	ND	ND	0.0049
	R6AM1W-Filtered							ND	ND	ND	ND
	R6AM2W	1.71	ND	ND	0.94	ND		ND	ND	ND	0.005
	R6AM2W-Filtered							ND	ND	ND	0.0057
	R6AU1W	1.1	ND	ND	0.93	ND		ND	ND	ND	0.0066
	R6AU1W-Filtered							ND	ND	ND	ND
	R6BM1W	1.49	ND	ND	0.98	ND	ND	ND	ND	ND	0.005
	R6BM1W-Filtered							ND	ND	ND	ND
	R6BU1W	1.2	1	ND	0.88	ND		ND	ND	ND	0.0049
	R6BU1W-Filtered							ND	ND	ND	ND
	R6CM1W	ND	1.7	ND	ND	ND		ND	ND	ND	0.0053
	R6CM1W-Filtered							ND	ND	ND	ND

Table 5-14
Sediment Analytical Data-2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/kg	Total Semivolatile Organic Compounds ug/kg	Total Pesticides ug/kg	Total Herbicides ug/kg	Total Polychlorinated Biphenyls (PCB) ug/kg	Total Dioxin TEQs ug/kg	Total Copper mg/kg	Total Lead mg/kg	Total Mercury mg/kg	Total Zinc mg/kg
Q	P11S	2926.8	ND	ND	ND	1158.8	0.08907	30	43	0.13	190
(Large	P12S	15.3	ND	57	636.2	175.3		39	53	0.13	240
Mississippi River	R1AD1S	29.4	175	ND	370	ND		12	12	0.065	89
	R1AM1S	98	36	ND	ND	ND		4.8	8.1	0.13	34
	R1AU1S	12	ND	ND	12	ND		0.75	2.7	0.0045	8.2
	R1BD1S	ND	ND	ND	ND	ND		1.4	4.9	ND	ND
	R1BM1S	3.4	ND	ND	486.2	ND	0.0000012	1.1	1.7	0.0035	8.2
	R1BM2S	8.1	ND	ND	19	ND	0.0000035	1.3	1.7	ND	7.2
	R1BU1S	90.2	ND	ND	ND	ND		0.9	1.6	ND	6.7
	R1CM1S	9.3	ND	ND	15	ND		0.61	2.1	ND	7.6
	R2AD1S	48	ND	ND	ND	ND		14	11	0.024	45
	R2AM1S	9.8	178	ND	ND	ND		7.6	10	0.022	40
	R2AM2S	15	153	ND	ND	ND		8.4	11	0.026	41
	R2AU1S	13.6	ND	ND	ND	ND		1.2	4	0.0033	13
	R2BD1S	7.3	ND	ND	ND	ND		2.8	5.8	0.0038	27
	R2BM1S	5.8	ND	1.2	ND	ND	0.0000024	0.88	19	0.0043	10
	R2BU1S	6.3	ND	ND	ND	ND		1.6	4.4	0.0043	ND
	R2CM1S	3.1	ND	ND	ND	ND		0.68	2	ND	8
	R3AD1S	17.2	26	4.17	12.5	5.56		6.4	41	0.0089	260
	R3AM1S	58.6	272	3.1	1018.8	5.7		18	35	0.037	310
	R3AU1S	5069.9	3298	5.39	1.4	2.4		12	47	0.03	310
	R3BD1S	15	ND	2.11	ND	ND		2	11	0.0039	87
	R3BM1S	11060.9	2132	29.87	2888.3	69.4	0.0009206	19	43	0.067	180
	R3BU1S	1318.6	1685	0.97	1.6	ND		2.3	7	0.0048	25

Table 5-14
Sediment Analytical Data-2002
Sauget Area 2 RI/FS

Site	Sample ID	Total Volatile Organic Compounds ug/kg	Total Semivolatile Organic Compounds ug/kg	Total Pesticides ug/kg	Total Herbicides ug/kg	Total Polychlorinated Biphenyls (PCB) ug/kg	Total Dioxin TEQs ug/kg	Total Copper mg/kg	Total Lead mg/kg	Total Mercury mg/kg	Total Zinc mg/kg
Mississippi River	R3CM1S	13.6	ND	ND	ND	ND		0.58	1.9	ND	6.7
	R4AD1S	14.4	ND	0.71	ND	ND		ND	7.7	ND	40
	R4AM1S	11.4	ND	1.3	ND	ND		5.6	11	ND	140
	R4AU1S	12.3	ND	1.51	ND	ND		2.5	47	ND	190
	R4BD1S	6.9	66	5.4	ND	ND		ND	4.2	ND	53
	R4BM1S	6.33	ND	ND	ND	8.9	0.0003298	6	11	ND	60
	R4BU1S	13.6	ND	8.68	ND	ND		1.5	18	ND	71
	R4CM1S	14.6	57	3.06	ND	ND		ND	4.1	ND	23
	R4CM2S	19.6	360	3.16	ND	ND		ND	18	ND	14
	R5AM1S	4.1	390	ND	20	ND		4.5	14	0.0038	70
	R5AN1S	293.9	ND	0.51	7.9	ND		3	8.1	0.006	42
	R5AU1S	9.39	ND	1.01	9.2	ND		5.4	18	0.028	59
	R5BM1S	21.88	ND	ND	ND	ND	0.0000047	2.7	6.2	0.016	22
	R5BN1S	33.3	ND	0.65	13	ND		9	15	0.02	97
	R5BU1S	14.02	ND	0.6	ND	ND		4.7	13	0.01	86
	R5CM1S	9.32	ND	ND	2.6	ND		ND	3.4	ND	13
	R6AD1S	41.9	37	1.7	ND	ND		14	20	0.036	110
	R6AM1S	293.5	ND	3.38	ND	ND		14	29	0.067	160
	R6AM2S	133	94	1.95	ND	ND		20	35	0.061	260
	R6AU1S	179.3	ND	2.9	ND	ND		11	39	0.051	210
	R6BM1S	65.5	ND	0.97	ND	ND	0.0001358	3.4	10	0.015	91
	R6BU1S	38.5	65	1.1	ND	ND		7.6	22	0.035	130
	R6CM1S	35.7	ND	ND	ND	ND		ND	3	ND	9.4

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

Ta. 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

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										
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

Tab.. 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

Tal.. 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

Tal.. 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	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S	R5BN1S	R5BU1S	R5CM1S	R6AD1S	R6AM1S	R6AM2S
Sample Date	11/08/2002	11/08/2002	11/17/2002	11/08/2002	11/09/2002	11/17/2002	11/09/2002	11/09/2002	11/06/2002	11/07/2002	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
Compound											
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

Tab.. 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

Tal.. 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

Tab.. 3-7
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 6010/7470 Inorganics

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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound									
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 3-8
Sauget Area 2 RI/FS Data Report - Sediment (Chemical Data)
Method 9060/9040 Total Organic Carbon and pH

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S	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	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	11/14/2002
Units	units	units	units	units	units	units	units	units	units	units	units	units	units
Compound													
pH	7	7.1	7	7.3	7.3	7	7.3	NR	7.3	7.4	7.3	7.5	7

Sample ID	P11S	P12S	R1AD1S	R1AM1S	R1AU1S	R1BD1S	R1BM1S	R1BM2S	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	11/15/2002	11/16/2002	11/16/2002	11/16/2002	11/13/2002	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													
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	R4AD1S	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S
Sample Date	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	11/08/2002	11/09/2002
Units	units	units	units	units	units	units	units	units	units	units	units	units	units
Compound													
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	R4AD1S	R4AM1S	R4AU1S	R4BD1S	R4BM1S	R4BU1S	R4CM1S	R4CM2S	R5AM1S	R5AM3S	R5AN1S	R5AU1S	R5BM1S
Sample Date	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	11/08/2002	11/09/2002
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	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

Soil Gas

LEGEND

○ Soil Gas Screening Locations

N E S W

0 600

SCALE FEET

SAUGET AREA 2 RI/FS FIELD SAMPLING REPORT SAUGET ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 4/2/03 DSGN. BY: kh CHKD. BY:	Site Q Soil Gas	FIG. NO. 3c

File: E:\21560888.04001\REPORTS\FIELD SAMPLING REPORT\3C.DWG Last edited: JUN. 02, 03 @ 10:11 a.m. by: DJDEGUIO

Table 1
Soil Gas Samples
Sauget Area 2

Site Name	Proposed Sample Locations	Actual Sample Locations	Step-out Locations
O	49	46	2
P	34	27	2
Q	228	182	4
R	32	32	1
S	5	5	6

Notes:
The locations that were not sampled were due to access issues such as no legal access, located in large ravines or water, and physical obsticlesin the way. These changes were all approved by the CH2M Hill personell, the USEPA Region V on-site representatives.

Table 5-1c
Soil Gas Results
Site Q
Sauget Area 2 RI/FS

Sample ID	Date	VOC (ppb)	Depth (ft) (Other than 5ft)
SG-Q-185	Nov-01	ND	3.5
SG-Q-186	Nov-01	ND	
SG-Q-187	Nov-01	2.65	
SG-Q-188	Nov-01	NA	
SG-Q-189	Nov-01	NA	
SG-Q-190	Nov-01	NA	
SG-Q-191	Nov-01	NA	
SG-Q-192	Nov-01	NA	
SG-Q-193	Nov-01	NA	
SG-Q-194	Nov-01	ND	
SG-Q-195	Nov-01	8.77	
SG-Q-196	Nov-01	ND	3.5
SG-Q-197	Nov-01	ND	3
SG-Q-198	Nov-01	105.95	
SG-Q-199	Nov-01	NA	
SG-Q-200	Nov-01	NA	
SG-Q-201	Nov-01	NA	
SG-Q-202	Nov-01	NA	
SG-Q-203	Nov-01	NA	
SG-Q-204	Nov-01	ND	3
SG-Q-205	Nov-01	113.19	
SG-Q-206	Nov-01	45.80	3
SG-Q-207	Nov-01	ND	3.5
SG-Q-208	Nov-01	7.55	
SG-Q-209	Nov-01	NA	
SG-Q-210	Nov-01	NA	
SG-Q-211	Nov-01	ND	3.5
SG-Q-212	Nov-01	NA	
SG-Q-213	Nov-01	8.12	
SG-Q-214	Nov-01	21.66	2.5
SG-Q-215	Nov-01	ND	1.5
SG-Q-216	Nov-01	ND	
SG-Q-217	Nov-01	ND	
SG-Q-218	Nov-01	77.75	3
SG-Q-219	Nov-01	1.00	
SG-Q-220	Nov-01	4.23	1.5
SG-Q-221	Nov-01	NA	
SG-Q-222	Nov-01	ND	
SG-Q-223	Nov-01	70.03	
SG-Q-224	Nov-01	ND	
SG-Q-225	Nov-01	ND	
SG-Q-226	Nov-01	3.17	
SG-Q-227	Nov-01	ND	
SG-Q-228	Nov-01	ND	
SG-Q-229	Nov-01	ND	
SG-Q-230	Nov-01	ND	
SG-Q-231	Nov-01	ND	
SG-Q-232	Nov-01	ND	
SG-Q-232-DUP	Nov-01	ND	

Notes:
Units - Concentrations in parts per billion (ppb)
ND - Non Detect
BMDL - Below Method Detection Limit (DL - 5 ppb)

Table 5-1c
Soil Gas Results
Site Q
Sauget Area 2 RI/FS

Sample ID	Date	VOC (ppb)	Depth (ft) (Other than 5ft)
SG-Q-139	Nov-01	ND	
SG-Q-140	Nov-01	ND	
SG-Q-140-DUP	Nov-01	ND	
SG-Q-141	Nov-01	NA	
SG-Q-142	Nov-01	NA	
SG-Q-143	Nov-01	ND	
SG-Q-144	Nov-01	2.50	4
SG-Q-145	Nov-01	ND	
SG-Q-146	Nov-01	NA	
SG-Q-147	Nov-01	NA	
SG-Q-148	Nov-01	ND	
SG-Q-149	Nov-01	6.53	
SG-Q-150	Nov-01	ND	3
SG-Q-151	Nov-01	ND	4
SG-Q-152	Nov-01	NA	
SG-Q-153	Nov-01	NA	
SG-Q-154	Nov-01	NA	
SG-Q-155	Nov-01	ND	
SG-Q-156	Nov-01	ND	
SG-Q-157	Nov-01	ND	4
SG-Q-158	Nov-01	ND	
SG-Q-159	Nov-01	NA	
SG-Q-160	Nov-01	NA	
SG-Q-161	Nov-01	NA	
SG-Q-162	Nov-01	NA	
SG-Q-163	Nov-01	ND	
SG-Q-164	Nov-01	ND	
SG-Q-165	Nov-01	ND	
SG-Q-166	Nov-01	ND	
SG-Q-167	Nov-01	NA	
SG-Q-168	Nov-01	NA	
SG-Q-169	Nov-01	NA	
SG-Q-170	Nov-01	NA	
SG-Q-171	Nov-01	NA	
SG-Q-172	Nov-01	ND	
SG-Q-173	Nov-01	31.58	
SG-Q-174	Nov-01	ND	
SG-Q-174-DUP	Nov-01	ND	
SG-Q-175	Nov-01	5.30	
SG-Q-176	Nov-01	ND	
SG-Q-176-DUP	Nov-01	ND	
SG-Q-177	Nov-01	NA	
SG-Q-178	Nov-01	NA	
SG-Q-179	Nov-01	NA	
SG-Q-180	Nov-01	NA	
SG-Q-181	Nov-01	NA	
SG-Q-182	Nov-01	NA	
SG-Q-183	Nov-01	ND	
SG-Q-184	Nov-01	28.86	

Notes:
Units - Concentrations in parts per billion (ppb)
ND - Non Detect
BMDL - Below Method Detection Limit (DL - 5 ppb)

Table 5-1c
Soil Gas Results
Site Q
Sauget Area 2 RI/FS

Sample ID	Date	VOC (ppb)	Depth (ft) (Other than 5ft)
SG-Q-91	Nov-01	ND	
SG-Q-92	Nov-01	ND	
SG-Q-93	Nov-01	ND	
SG-Q-94	Nov-01	6.27	4.5
SG-Q-95	Nov-01	ND	4.5
SG-Q-96	Nov-01	38.92	
SG-Q-97	Nov-01	59.17	
SG-Q-98	Nov-01	ND	
SG-Q-99	Nov-01	ND	
SG-Q-100	Nov-01	2.84	
SG-Q-101	Nov-01	10.47	
SG-Q-102	Nov-01	33.69	
SG-Q-103	Nov-01	ND	3
SG-Q-104	Nov-01	NA	
SG-Q-105	Nov-01	3.89	4
SG-Q-106	Nov-01	1.72	
SG-Q-107	Nov-01	ND	
SG-Q-108	Nov-01	11.25	
SG-Q-109	Nov-01	ND	
SG-Q-110	Nov-01	NA	
SG-Q-111	Nov-01	1.09	
SG-Q-112	Nov-01	ND	
SG-Q-113	Nov-01	2.37	
SG-Q-114	Nov-01	22.28	
SG-Q-115	Nov-01	ND	
SG-Q-116	Nov-01	ND	
SG-Q-117	Nov-01	NA	
SG-Q-118	Nov-01	ND	
SG-Q-119	Nov-01	ND	
SG-Q-120	Nov-01	2.40	
SG-Q-121	Nov-01	42.69	
SG-Q-122	Nov-01	ND	
SG-Q-123	Nov-01	ND	
SG-Q-124	Nov-01	NA	
SG-Q-125	Nov-01	ND	
SG-Q-126	Nov-01	NA	
SG-Q-127	Nov-01	ND	
SG-Q-128	Nov-01	13.34	
SG-Q-129	Nov-01	NA	
SG-Q-130	Nov-01	ND	
SG-Q-131	Nov-01	ND	
SG-Q-132	Nov-01	ND	
SG-Q-133	Nov-01	6.68	
SG-Q-134	Nov-01	ND	
SG-Q-135	Nov-01	2.15	
SG-Q-135-DUP	Nov-01	1.85	
SG-Q-136	Nov-01	ND	
SG-Q-137	Nov-01	NA	
SG-Q-138	Nov-01	ND	

Notes:
Units - Concentrations in parts per billion (ppb)
ND - Non Detect
BMDL - Below Method Detection Limit (DL - 5 ppb)

Table 5-1c
Soil Gas Results
Site Q
Sauget Area 2 RI/FS

Sample ID	Date	VOC (ppb)	Depth (ft) (Other than 5ft)
SG-Q-43	Nov-01	1.04	
SG-Q-44	Nov-01	2.71	4
SG-Q-45	Nov-01	ND	
SG-Q-46	Nov-01	ND	
SG-Q-47	Nov-01	ND	4
SG-Q-48	Nov-01	5.20	
SG-Q-49	Nov-01	ND	
SG-Q-50	Nov-01	7.35	
SG-Q-51	Nov-01	ND	
SG-Q-52	Nov-01	ND	4
SG-Q-53	Nov-01	ND	
SG-Q-54	Nov-01	ND	
SG-Q-55	Nov-01	8.53	
SG-Q-56	Nov-01	ND	
SG-Q-57	Nov-01	ND	
SG-Q-58	Nov-01	17.63	
SG-Q-59	Nov-01	ND	
SG-Q-60	Nov-01	6.56	
SG-Q-61	Nov-01	3.54	
SG-Q-62	Nov-01	ND	
SG-Q-63	Nov-01	ND	
SG-Q-64	Nov-01	1.91	
SG-Q-65	Nov-01	ND	
SG-Q-66	Nov-01	ND	
SG-Q-67	Nov-01	5.26	
SG-Q-68	Nov-01	ND	
SG-Q-69	Nov-01	ND	
SG-Q-70	Nov-01	2.50	
SG-Q-71	Nov-01	ND	
SG-Q-72	Nov-01	4.24	
SG-Q-72-DUP	Nov-01	2.04	
SG-Q-73	Nov-01	ND	
SG-Q-74	Nov-01	ND	
SG-Q-75	Nov-01	ND	
SG-Q-76	Nov-01	ND	
SG-Q-77	Nov-01	ND	3.5
SG-Q-78	Nov-01	40.96	
SG-Q-79	Nov-01	3.10	
SG-Q-80	Nov-01	ND	
SG-Q-81	Nov-01	ND	
SG-Q-82	Nov-01	8.52	
SG-Q-83	Nov-01	13.32	3.5
SG-Q-84	Nov-01	2.24	2.5
SG-Q-85	Nov-01	ND	
SG-Q-86	Nov-01	ND	
SG-Q-87	Nov-01	NA	
SG-Q-88	Nov-01	25.98	
SG-Q-89	Nov-01	ND	3
SG-Q-90	Nov-01	8.11	

Notes:
Units - Concentrations in parts per billion (ppb)
ND - Non Detect
BMDL - Below Method Detection Limit (DL - 5 ppb)

Table 5-1c
Soil Gas Results
Site Q
Sauget Area 2 RI/FS

Sample ID	Date	VOC (ppb)	Depth (ft) (Other than 5ft)
SG-Q-1	Nov-01	ND	
SG-Q-2	Nov-01	ND	
SG-Q-3	Nov-01	ND	
SG-Q-4	Nov-01	ND	
SG-Q-5	Nov-01	ND	
SG-Q-6	Nov-01	59.81	
SG-Q-7	Nov-01	18.35	4
SG-Q-8	Nov-01	21.73	
SG-Q-9	Nov-01	ND	
SG-Q-10	Nov-01	5.23	
SG-Q-11	Nov-01	36.31	
SG-Q-12	Nov-01	9.69	
SG-Q-13	Nov-01	17.06	
SG-Q-14	Nov-01	8.32	
SG-Q-15	Nov-01	4.36	
SG-Q-16	Nov-01	23.60	
SG-Q-17	Nov-01	11.57	
SG-Q-18	Nov-01	ND	
SG-Q-19	Nov-01	ND	
SG-Q-20	Nov-01	ND	4
SG-Q-21	Nov-01	ND	
SG-Q-22	Nov-01	2.34	
SG-Q-23	Nov-01	ND	
SG-Q-24	Nov-01	ND	
SG-Q-25	Nov-01	ND	
SG-Q-26	Nov-01	ND	
SG-Q-27	Nov-01	ND	
SG-Q-28	Nov-01	ND	
SG-Q-29	Nov-01	NA	
SG-Q-30	Nov-01	ND	3
SG-Q-31	Nov-01	ND	
SG-Q-32	Nov-01	14.38	
SG-Q-32-DUP	Nov-01	14.27	
SG-Q-33	Nov-01	ND	
SG-Q-34	Nov-01	ND	
SG-Q-35	Nov-01	ND	
SG-Q-36	Nov-01	ND	
SG-Q-37	Nov-01	ND	3
SG-Q-38	Nov-01	ND	4
SG-Q-39	Nov-01	ND	
SG-Q-40	Nov-01	6.58	
SG-Q-41	Nov-01	ND	
SG-Q-42	Nov-01	ND	

Notes:
Units - Concentrations in parts per billion (ppb)
ND - Non Detect
BMDL - Below Method Detection Limit (DL - 5 ppb)

Air

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LEGEND

- ■ Offsite Soil and Upgradient/Groundwater Sampling Locations
- ⊙ Site-Related Groundwater Sampling Locations
- ⊕ Bedrock Monitoring Well
- Air Sampling Location
- Waste Characterization Boring Location
- Leachate Monitoring Well Location
- River Soil Sediment Sample Location
- ♦ Stormwater Sample Locations

Revision No.	Description	Date	By	App.

REVISIONS

SAUGET AREA 2
RI/FS DATA REPORT
SAUGET ILLINOIS

Offsite Soil and Upgradient/Groundwater, Piezometer, Site-Related Groundwater, and Air Sampling Locations

Date: 3/27/03	Project Number: 23200100024.02	Figure Number: A
Drawn by: djd	Design by: sjs	Checked by:

URS

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	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	SQ4-PA-082602-R-083	SQ5-PA-082802-R-089	SQ6-PA-082802-D-109	SQ6-PA-082802-R-094	SQ7-PA-082802-B-114	SQ7-PA-082802-R-099
Sample Date	8/26/02	8/28/02	8/28/02	8/28/02	8/28/02	8/28/02
Units	ug	ug	ug	ug	ug	ug
Compound						
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	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	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	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	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

Table 6-6
Sauget Area 2 RI/FS Data Report - Air (Chemical Data)
Method 6010 Inorganics

Sample ID Sample Date Units Compound	SQ5-PM-082802-R-090 8/28/02 ug	SQ6-PM-082802-R-095 8/28/02 ug	SQ7-PM-082802-B-115 8/28/02 ug	SQ7-PM-082802-R-100 8/28/02 ug	SQ8-PM-082802-R-105 8/28/02 ug
Aluminum	20 U	20 U	20 U	20 U	20 U
Antimony	2 U	2 U	2 U	2 U	2 U
Arsenic	1 U	1 U	1 U	1 U	1 U
Barium	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
Cadmium	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	50 U	50 U	50 U	74	50 U
Chromium	1 U	1 U	1 U	1 U	1 U
Cobalt	1 U	1 U	1 U	1 U	1 U
Copper	2 U	2 U	2 U	2 U	2 U
Iron	3.3	3.8	5 U	5.6	4.8
Lead	0.39	0.31	0.5 U	0.26	0.29
Magnesium	50 U	50 U	50 U	50 U	50 U
Manganese	1 U	1 U	1 U	1 U	1 U
Nickel	4 U	4 U	4 U	4 U	4 U
Potassium	100 U	100 U	100 U	100 U	100 U
Selenium	1 U	1 U	1 U	1 U	1 U
Silver	1 U	1 U	1 U	1 U	1 U
Sodium	50 U	50 U	27	50 U	50 U
Thallium	1 U	1 U	1 U	1 U	1 U
Vanadium	1 U	1 U	1 U	1 U	1 U
Zinc	1.3	1.2	2 U	1.4	1.2

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

Biota

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	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									
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	#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	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	#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	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	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									
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	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									
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	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	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 9-6
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	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

Table 9-6
Sauget Area 2 RI/FS Data Report - Biota
Method 6010/7471 - Inorganic Data

Sample ID	#8	#9	Black Bullhead - Fillets	Blue Gill - Whole Fish	Carp - Fillets	IN P1	IN Q1	IN Q2
Sample Date	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	10/10/2002	10/10/2002	10/10/2002
Matrix	Earthworm Tissue	Earthworm Tissue	Fish Tissue	Fish Tissue	Fish Tissue	Insect Tissue	Insect Tissue	Insect Tissue
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound								
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	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 Sample Date Matrix Units Compound	PL-Q-21 09/10/2002 Plant Tissue mg/kg	PL-Q-9 09/10/2002 Plant Tissue mg/kg	PL-R-1 08/10/2002 Plant Tissue mg/kg	PL-R-2 08/10/2002 Plant Tissue mg/kg	PL-R-3 08/10/2002 Plant Tissue mg/kg	PL-R-4 08/10/2002 Plant Tissue mg/kg	PL-R-5 08/10/2002 Plant Tissue mg/kg	PL-S-1 08/10/2002 Plant Tissue mg/kg
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

Groundwater Isoconcentration Maps

Table 1A

Chlorobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-7-34	24-Jul-02	270	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	2000	100	ug/l		B	Sauget Area 2 2002
GW-013-02	5-Jun-01	10000	100	ug/L			Clayton Chemical
GW-013-04	5-Jun-01	600	100	ug/L	J		Clayton Chemical
B-22A	10-May-00	6100	100	ug/L			Krummrich 1999 & 2000 Data
B-24A	11-May-00	4000	100	ug/L			Krummrich 1999 & 2000 Data
B-24D	11-May-00	8800	100	ug/L			Krummrich 1999 & 2000 Data
B-25A	10-May-00	14000	100	ug/L			Krummrich 1999 & 2000 Data
B-26A	11-May-00	2800	100	ug/L			Krummrich 1999 & 2000 Data
B-28A	10-May-00	110	100	ug/L			Krummrich 1999 & 2000 Data
B-29A	10-May-00	2400	100	ug/L			Krummrich 1999 & 2000 Data
BBU-B52	1-Jan-00	8700	100	ug/L			Krummrich 1999 & 2000 Data
BBU-B57	1-Jan-00	1800	100	ug/L	J		Krummrich 1999 & 2000 Data
CA-1	2-Feb-00	2400	100	ug/L			Krummrich 1999 & 2000 Data
CA-2	2-Feb-00	610	100	ug/L			Krummrich 1999 & 2000 Data
CA-3	2-Feb-00	550	100	ug/L			Krummrich 1999 & 2000 Data
CA-3-DUP	2-Feb-00	430	100	ug/L			Krummrich 1999 & 2000 Data
CA-4	2-Feb-00	2100	100	ug/L			Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	12500	100	ug/L	U		Krummrich 1999 & 2000 Data
G102	10-May-99	1600	100	ug/L			Krummrich 1999 & 2000 Data
G104	11-May-99	2500	100	ug/L			Krummrich 1999 & 2000 Data
G106	11-May-99	2300	100	ug/L			Krummrich 1999 & 2000 Data
G109	12-May-99	590	100	ug/L			Krummrich 1999 & 2000 Data
G110	13-May-99	400	100	ug/L	J		Krummrich 1999 & 2000 Data
G114	12-May-99	110000	100	ug/L			Krummrich 1999 & 2000 Data
G116	11-May-99	1800	100	ug/L			Krummrich 1999 & 2000 Data
GM-13	1-Feb-00	1250	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	3-Feb-00	350000	100	ug/L			Krummrich 1999 & 2000 Data
GM-15	2-Feb-00	130	100	ug/L			Krummrich 1999 & 2000 Data
GM-17A	31-Jan-00	230000	100	ug/L			Krummrich 1999 & 2000 Data
GM-18A	28-Jan-00	130	100	ug/L			Krummrich 1999 & 2000 Data
GM-32	2-Feb-00	26000	100	ug/L			Krummrich 1999 & 2000 Data
GM-33	1-Feb-00	25000	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-34	1-Feb-00	25000	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-35	1-Feb-00	125	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-36	1-Feb-00	5000	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-38	25-Jan-00	1800	100	ug/L			Krummrich 1999 & 2000 Data
GM-4AR	26-Jan-00	200	100	ug/L			Krummrich 1999 & 2000 Data
GM-6A	26-Jan-00	56000	100	ug/L			Krummrich 1999 & 2000 Data
GP-11A	28-Jan-00	2300	100	ug/L			Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	40000	100	ug/L			Krummrich 1999 & 2000 Data
GP-13A	31-Jan-00	220	100	ug/L			Krummrich 1999 & 2000 Data
GP-14A	1-Feb-00	2500	100	ug/L			Krummrich 1999 & 2000 Data
GP-15A	1-Feb-00	7300	100	ug/L			Krummrich 1999 & 2000 Data
GP-19A	3-Feb-00	1250	100	ug/L	U		Krummrich 1999 & 2000 Data
GP1-A	25-Jan-00	140	100	ug/L			Krummrich 1999 & 2000 Data
GP-20A	3-Feb-00	26000	100	ug/L			Krummrich 1999 & 2000 Data
GP4-A	26-Jan-00	220000	100	ug/L			Krummrich 1999 & 2000 Data
GP-5A	26-Jan-00	390	100	ug/L			Krummrich 1999 & 2000 Data
GP-9A	28-Jan-00	5300	100	ug/L			Krummrich 1999 & 2000 Data
NTF-B72	1-Jan-00	230	100	ug/L			Krummrich 1999 & 2000 Data
NTF-B74	1-Jan-00	13000	100	ug/L			Krummrich 1999 & 2000 Data
NTF-B78	1-Jan-00	360	100	ug/L			Krummrich 1999 & 2000 Data
SCT-B68	1-Jan-00	150000	100	ug/L			Krummrich 1999 & 2000 Data
SCT-B69	1-Jan-00	310000	100	ug/L	E		Krummrich 1999 & 2000 Data
SCT-B71	1-Jan-00	170000	100	ug/L	E		Krummrich 1999 & 2000 Data
B-24A	13-Aug-03	840	100	ug/l		J	Krummrich Well Sampling
B-25A	13-Aug-03	7900	100	ug/l		J	Krummrich Well Sampling

Table 1A
Chlorobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
B-28A	14-Aug-03	160	100	ug/l			Krummrich Well Sampling
B-29A	13-Aug-03	590	100	ug/l		J	Krummrich Well Sampling
GM-17A	18-Aug-03	220000	100	ug/l	D		Krummrich Well Sampling
GM-20A	11-Aug-03	140	100	ug/l			Krummrich Well Sampling
GM-6A	5-Aug-03	30000	100	ug/l	D		Krummrich Well Sampling
AA-I-S1-17-21FT	14-Dec-99	1600	100	ug/l			Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	8700	100	ug/l			Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	9800	100	ug/l			Sauget Area 1
AA-I-S2-16-20FT	3-Dec-99	120	100	ug/l			Sauget Area 1
AA-I-S2-26-30FT	6-Dec-99	3200	100	ug/l			Sauget Area 1
AA-I-S2-36-40FT	7-Dec-99	12000	100	ug/l			Sauget Area 1
EE-01	12-Oct-99	1200	100	ug/l			Sauget Area 1
EE-02-GP	4-Nov-99	4100	100	ug/l			Sauget Area 1
EE-02-GPFD	4-Nov-99	4600	100	ug/l			Sauget Area 1
EE-05	13-Oct-99	620	100	ug/l			Sauget Area 1
EE-12-GP	5-Nov-99	1400	100	ug/l	D		Sauget Area 1
EE-14-GP	5-Nov-99	3800	100	ug/l			Sauget Area 1
EE-15-GP	8-Nov-99	200	100	ug/l			Sauget Area 1
EE-15-GPFD	8-Nov-99	190	100	ug/l			Sauget Area 1
EEG-106	7-Oct-99	180	100	ug/l			Sauget Area 1
EEG-107	7-Oct-99	4300	100	ug/l	D		Sauget Area 1

Table 1B
Chlorobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-76	9-Jul-02	180	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-50	29-Jul-02	130	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-60	16-Jul-02	230	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-60-DUP	16-Jul-02	240	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-70	16-Jul-02	100	100	ug/l			Sauget Area 2 2002
GW-AA-Q-3-50	19-Jul-02	170	100	ug/l		DB	Sauget Area 2 2002
GW-AA-Q-5-45	7-Aug-02	460	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-5-55	7-Aug-02	240	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-5-55-DUP	7-Aug-02	240	100	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	13000	100	ug/l		B	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	6900	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	7500	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	4300	100	ug/l			Sauget Area 2 2002
GW-UAA-3-44FT	10-Jun-02	160	100	ug/l			Sauget Area 2 2002
GW-UAA-3-54FT	11-Jun-02	160	100	ug/l			Sauget Area 2 2002
GW-UAA-3-74	12-Jun-02	150	100	ug/l			Sauget Area 2 2002
B-21B	10-May-00	16000	100	ug/L			Krummrich 1999 & 2000 Data
B-24C	11-May-00	8800	100	ug/L			Krummrich 1999 & 2000 Data
B-25B	10-May-00	16000	100	ug/L			Krummrich 1999 & 2000 Data
B-26B	11-May-00	5900	100	ug/L			Krummrich 1999 & 2000 Data
B-28B	10-May-00	2800	100	ug/L			Krummrich 1999 & 2000 Data
B-29B	10-May-00	1600	100	ug/L			Krummrich 1999 & 2000 Data
GM-10B	2-Feb-00	2200	100	ug/L			Krummrich 1999 & 2000 Data
GM-17B	31-Jan-00	390	100	ug/L			Krummrich 1999 & 2000 Data
GM-20B	1-Feb-00	760	100	ug/L			Krummrich 1999 & 2000 Data
GM-20B	9-May-00	910	100	ug/L			Krummrich 1999 & 2000 Data
GM-20B-DUP	1-Feb-00	840	100	ug/L			Krummrich 1999 & 2000 Data
GM-4B	26-Jan-00	430	100	ug/L			Krummrich 1999 & 2000 Data
GM-60B	9-May-00	850	100	ug/L			Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	41000	100	ug/L			Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	47000	100	ug/L			Krummrich 1999 & 2000 Data
GP-10B	28-Jan-00	200	100	ug/L			Krummrich 1999 & 2000 Data
GP-11B	28-Jan-00	6400	100	ug/L			Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	1200	100	ug/L			Krummrich 1999 & 2000 Data
GP-13B	31-Jan-00	110	100	ug/L			Krummrich 1999 & 2000 Data
GP-14B	1-Feb-00	510	100	ug/L			Krummrich 1999 & 2000 Data
GP-15B	1-Feb-00	36000	100	ug/L			Krummrich 1999 & 2000 Data
GP-16B	1-Feb-00	180	100	ug/L			Krummrich 1999 & 2000 Data
GP-17B	2-Feb-00	250	100	ug/L	U		Krummrich 1999 & 2000 Data
GP-18B	3-Feb-00	100	100	ug/L	U		Krummrich 1999 & 2000 Data
GP-19B	3-Feb-00	12000	100	ug/L			Krummrich 1999 & 2000 Data
GP-1B	25-Jan-00	18000	100	ug/L			Krummrich 1999 & 2000 Data
GP-20B	3-Feb-00	1900	100	ug/L			Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	17000	100	ug/L			Krummrich 1999 & 2000 Data
GP-3B	26-Jan-00	170000	100	ug/L			Krummrich 1999 & 2000 Data
GP-4B	26-Jan-00	290000	100	ug/L			Krummrich 1999 & 2000 Data
GP-6B	27-Jan-00	570	100	ug/L			Krummrich 1999 & 2000 Data
GP-7B	27-Jan-00	150	100	ug/L			Krummrich 1999 & 2000 Data
GP-8B	27-Jan-00	8900	100	ug/L			Krummrich 1999 & 2000 Data
GP-9B	28-Jan-00	2600	100	ug/L			Krummrich 1999 & 2000 Data
MW-3B	27-Jan-00	5500	100	ug/L			Krummrich 1999 & 2000 Data
MW-5B	28-Jan-00	19000	100	ug/L			Krummrich 1999 & 2000 Data
AA-GWM-S3-40	24-Jul-02	180000	100	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	100000	100	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	100000	100	ug/l	D		Krummrich 2002 Profiling
TRA2-GPC43	26-Jun-03	120	100	ug/l			Krummrich CA-750 Profiling
TRA2-GPC43D	26-Jun-03	110	100	ug/l			Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	1200	100	ug/l			Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	1800	100	ug/l	D		Krummrich CA-750 Profiling

Table 1B
Chlorobenzene Exceedances
Medium
Sauget Area 2

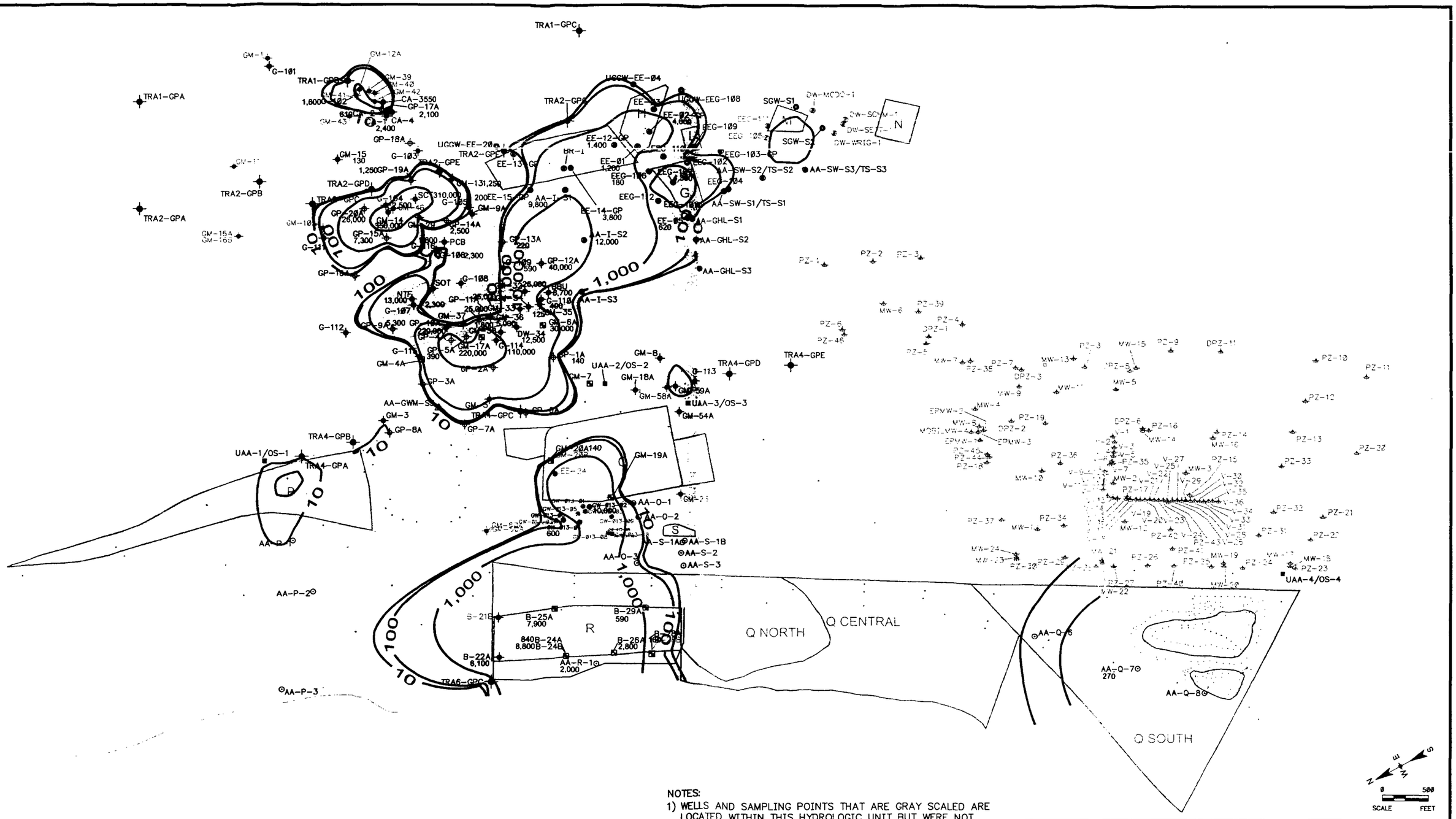
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
TRA2-GPD72	2-Jul-03	1200	100	ug/l			Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	540	100	ug/l	D		Krummrich CA-750 Profiling
TRA4-GPB76	11-Jul-03	400	100	ug/l	D		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	57000	100	ug/l	D		Krummrich CA-750 Profiling
TRA6-GPC65	22-Jul-03	6500	100	ug/l	D		Krummrich CA-750 Profiling
B-24C	14-Aug-03	7300	100	ug/l	D		Krummrich Well Sampling
B-25B	12-Aug-03	14000	100	ug/l	D	J	Krummrich Well Sampling
B-28B	13-Aug-03	3300	100	ug/l		J	Krummrich Well Sampling
B-28B-D	13-Aug-03	3000	100	ug/l		J	Krummrich Well Sampling
B-29B	14-Aug-03	1200	100	ug/l			Krummrich Well Sampling
GM-17B	4-Aug-03	3300	100	ug/l			Krummrich Well Sampling
GM-19C	8-Aug-03	1400	100	ug/l	D		Krummrich Well Sampling
GM-19C-D	8-Aug-03	1200	100	ug/l	D		Krummrich Well Sampling
GM-20B	11-Aug-03	5200	100	ug/l			Krummrich Well Sampling
GM-4B	6-Aug-03	1600	100	ug/l			Krummrich Well Sampling
GM-6B	5-Aug-03	18000	100	ug/l	D		Krummrich Well Sampling
MW-7B	6-Aug-03	6300	100	ug/l			Krummrich Well Sampling
AA-GHL-S1-62-66FT	29-Nov-99	270	100	ug/l	D		Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	9400	100	ug/l	D		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	20000	100	ug/l			Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	9900	100	ug/l	D		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	34000	100	ug/l			Sauget Area 1
AA-I-S2-46-50FT	7-Dec-99	19000	100	ug/l			Sauget Area 1
AA-I-S2-56-60FT	8-Dec-99	13000	100	ug/l	D		Sauget Area 1
AA-I-S2-66-70FT	8-Dec-99	12000	100	ug/l	D		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	11000	100	ug/l	D		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	9200	100	ug/l	D		Sauget Area 1
AA-I-S3-54-58FT	7-Dec-99	350	100	ug/l			Sauget Area 1
AA-I-S3-64-68FT	7-Dec-99	1800	100	ug/l			Sauget Area 1
AA-I-S3-74-78FT	8-Dec-99	3300	100	ug/l	D		Sauget Area 1

Table 1C
Chlorobenzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	1300	100	ug/l			Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	900	100	ug/l			Sauget Area 2 2002
GW-AA-O-1-120	10-Jul-02	400	100	ug/l			Sauget Area 2 2002
GW-AA-O-1-86	9-Jul-02	620	100	ug/l			Sauget Area 2 2002
GW-AA-O-1-96	9-Jul-02	1500	100	ug/l			Sauget Area 2 2002
GW-AA-O-2-103FT	25-Jun-02	460	100	ug/l			Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	1000	100	ug/l			Sauget Area 2 2002
GW-AA-O-2-121FT	25-Jun-02	560	100	ug/l			Sauget Area 2 2002
GW-AA-O-2-83FT	24-Jun-02	380	100	ug/l			Sauget Area 2 2002
GW-AA-O-2-93FT	24-Jun-02	850	100	ug/l			Sauget Area 2 2002
GW-AA-O-3-108FT	26-Jun-02	490	100	ug/l			Sauget Area 2 2002
GW-AA-O-3-118	18-Jul-02	690	100	ug/l			Sauget Area 2 2002
GW-AA-O-3-128	18-Jul-02	520	100	ug/l			Sauget Area 2 2002
GW-AA-O-3-88FT	26-Jun-02	100	100	ug/l			Sauget Area 2 2002
GW-AA-O-3-98FT	26-Jun-02	340	100	ug/l			Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	4900	100	ug/l			Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	4600	100	ug/l			Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	2300	100	ug/l		D	Sauget Area 2 2002
GW-AA-P-2-104	6-Aug-02	490	100	ug/l			Sauget Area 2 2002
GW-AA-P-2-114-DUP	7-Aug-02	500	100	ug/l			Sauget Area 2 2002
GW-AA-P-2-122	7-Aug-02	480	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-100	17-Jul-02	200	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-110	30-Jul-02	130	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-120	30-Jul-02	310	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	850	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	1100	100	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-80	16-Jul-02	130	100	ug/l			Sauget Area 2 2002
GW-AA-Q-1-90	17-Jul-02	220	100	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	3600	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	1700	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	2000	100	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	2900	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	1200	100	ug/l			Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	1000	100	ug/l			Sauget Area 2 2002
GW-AA-S-1-114	12-Jul-02	410	100	ug/l		D	Sauget Area 2 2002
GW-AA-S-2-108	17-Jul-02	140	100	ug/l			Sauget Area 2 2002
GW-AA-S-2-118	17-Jul-02	340	100	ug/l			Sauget Area 2 2002
GW-AA-S-2-118 1/2	17-Jul-02	290	100	ug/l			Sauget Area 2 2002
GW-AA-S-3-104FT	1-Jul-02	180	100	ug/l			Sauget Area 2 2002
GW-AA-S-3-114FT	2-Jul-02	530	100	ug/l			Sauget Area 2 2002
GW-AA-S-3-124FT	2-Jul-02	460	100	ug/l			Sauget Area 2 2002
GW-AA-S-3-132FT	2-Jul-02	250	100	ug/l			Sauget Area 2 2002
GW-UAA-1-100FT	18-Jun-02	400	100	ug/l		D	Sauget Area 2 2002
GW-UAA-1-110FT	18-Jun-02	710	100	ug/l		D	Sauget Area 2 2002
GW-UAA-1-80FT	17-Jun-02	280	100	ug/l			Sauget Area 2 2002
GW-UAA-1-90FT	18-Jun-02	450	100	ug/l		D	Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	2600	100	ug/l			Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	2500	100	ug/l			Sauget Area 2 2002
GW-UAA-2-120FT	21-Jun-02	760	100	ug/l			Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	2000	100	ug/l			Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	1800	100	ug/l			Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	2100	100	ug/l			Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	570	100	ug/l			Sauget Area 2 2002
GW-UAA-3-116	13-Jun-02	360	100	ug/l			Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	1300	100	ug/l			Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	2100	100	ug/l			Sauget Area 2 2002
GM-10C	2-Feb-00	2500	100	ug/L			Krummrich 1999 & 2000 Data
GM-12B	2-Feb-00	125	100	ug/L	U		Krummrich 1999 & 2000 Data
GM-12C	2-Feb-00	150	100	ug/L			Krummrich 1999 & 2000 Data
GM-17C	31-Jan-00	260	100	ug/L			Krummrich 1999 & 2000 Data
GM-18B	28-Jan-00	440	100	ug/L			Krummrich 1999 & 2000 Data

Table 1C
Chlorobenzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GM-18B	8-May-00	310	100	ug/L			Krummrich 1999 & 2000 Data
GM-27B	10-May-00	11000	100	ug/L			Krummrich 1999 & 2000 Data
GM-27C	10-May-00	1700	100	ug/L			Krummrich 1999 & 2000 Data
GM-31C	28-Jan-00	2000	100	ug/L			Krummrich 1999 & 2000 Data
GM-4C	27-Jan-00	560	100	ug/L			Krummrich 1999 & 2000 Data
GM-56C	11-May-00	140	100	ug/L			Krummrich 1999 & 2000 Data
GM-60C	9-May-00	230	100	ug/L			Krummrich 1999 & 2000 Data
MW-3C	27-Jan-00	9500	100	ug/L			Krummrich 1999 & 2000 Data
MW-5C	28-Jan-00	990	100	ug/L			Krummrich 1999 & 2000 Data
MW-7C	25-Jan-00	7800	100	ug/L			Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	2800	100	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	3700	100	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	3000	100	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-80	16-Jul-02	620	100	ug/l			Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	7800	100	ug/l	EB		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	8200	100	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	6700	100	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	5100	100	ug/l	B		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	5500	100	ug/l			Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	40000	100	ug/l	D		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	850	100	ug/l	D		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	8300	100	ug/l	D		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	3200	100	ug/l	D		Krummrich CA-750 Profiling
TRA6-GPC121	23-Jul-03	410	100	ug/l	D		Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	9300	100	ug/l	D		Krummrich CA-750 Profiling
GM-17C	5-Aug-03	1500	100	ug/l			Krummrich Well Sampling
GM-4C	6-Aug-03	9600	100	ug/l			Krummrich Well Sampling
MW-7C	6-Aug-03	10000	100	ug/l			Krummrich Well Sampling
AA-H-S1-83-87FT	13-Mar-00	230	100	ug/l	D		Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	600	100	ug/l	D		Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	280	100	ug/l	D		Sauget Area 1
AA-I-S1-87-91FTFD	21-Dec-99	280	100	ug/l	D		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	340	100	ug/l	D		Sauget Area 1
AA-I-S2-86-90FT	13-Dec-99	7300	100	ug/l	D		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	3300	100	ug/l			Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	4900	100	ug/l	D		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	700	100	ug/l			Sauget Area 1
AA-I-S3-84-88FT	9-Dec-99	5500	100	ug/l	D		Sauget Area 1
AA-I-S3-84-88FTFD	9-Dec-99	5600	100	ug/l	D		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	5100	100	ug/l			Sauget Area 1
BR-H	1-May-00	110	100	ug/l			Sauget Area 1
BR-I	25-Apr-00	240	100	ug/l			Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

—100— MCL/PRG VALVE

SHALLOW 0–40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Chlorobenzene (Shallow)
	FIG. NO. 1

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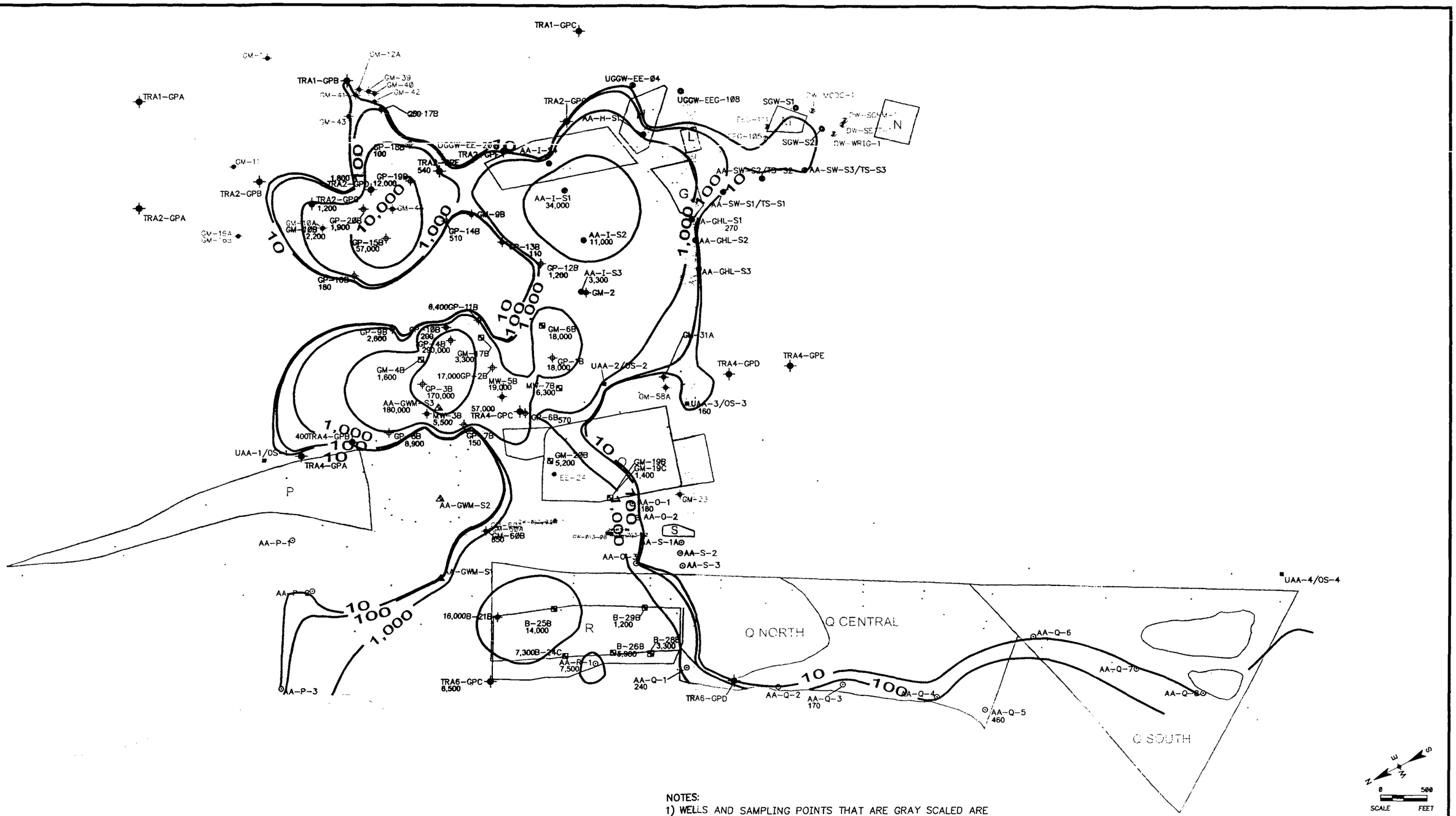

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 100 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Chlorobenzene (Medium)	FIG. NO. 1

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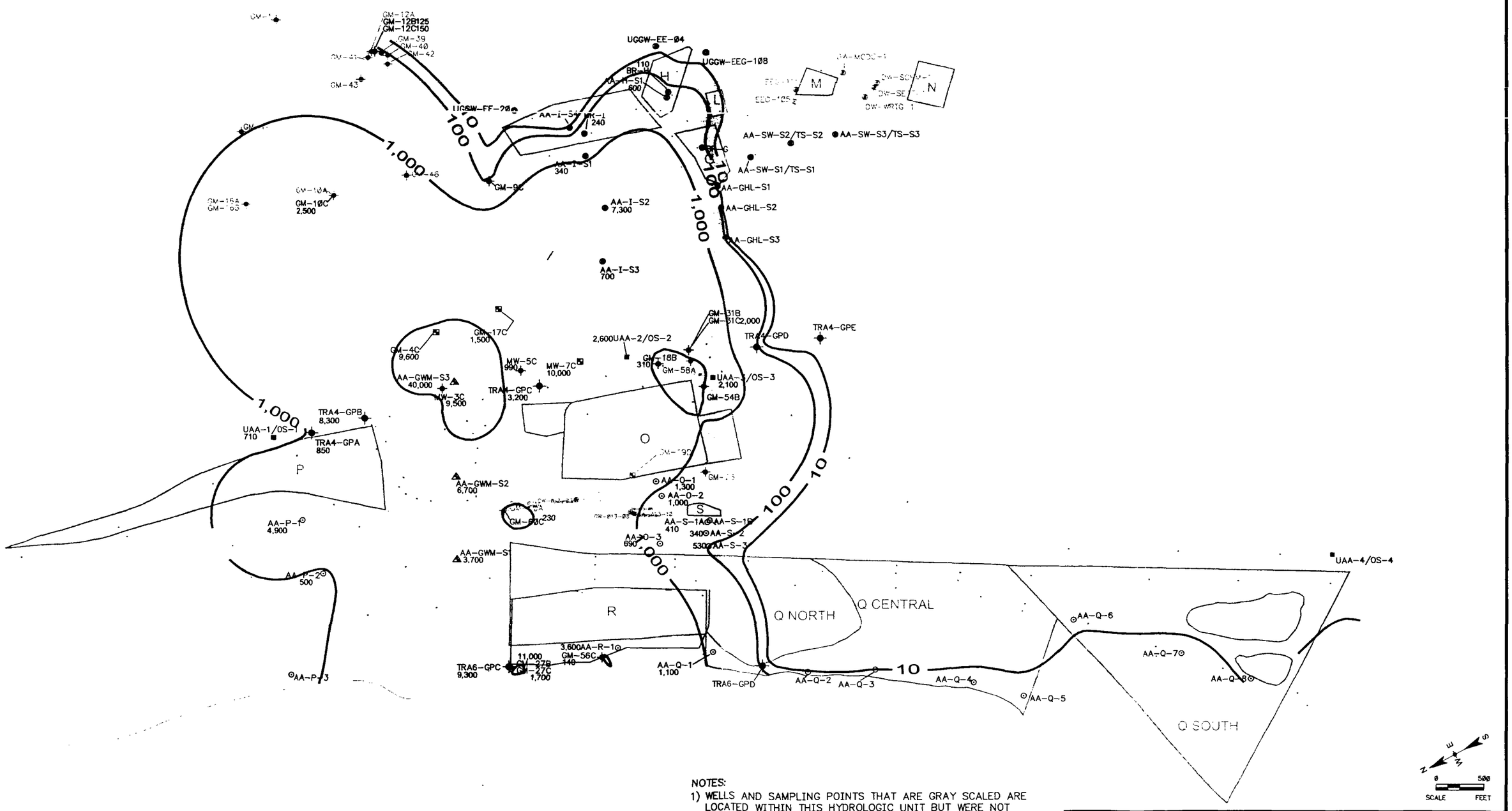


LEGEND

100 — CONCENTRATION CONTOUR (ppb)

—100— MCL/PRG VALVE

DEEP 41–12ØFT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Chlorobenzene (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\GCCONCENTRATIONS MAPS\CHLOROBENZENE.DWG Last edited 10/21/04 @ 11:18 a.m. WC-ST.LOUIS, MO

Table 2A

P-Chloroaniline Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-28	19-Jul-02	11000	28	ug/l		D	Sauget Area 2 2002
B-22A	10-May-00	5000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	1900	28	ug/L			Krummrich 1999 & 2000 Data
BBU-B52	1-Jan-00	80	28	ug/L			Krummrich 1999 & 2000 Data
BBU-B55	1-Jan-00	240	28	ug/L			Krummrich 1999 & 2000 Data
BBU-B56	1-Jan-00	530	28	ug/L	D		Krummrich 1999 & 2000 Data
BBU-B57	1-Jan-00	870	28	ug/L	D		Krummrich 1999 & 2000 Data
BBU-B58	1-Jan-00	860	28	ug/L	D		Krummrich 1999 & 2000 Data
BBU-B59	1-Jan-00	370	28	ug/L	D		Krummrich 1999 & 2000 Data
CA-3-DUP	2-Feb-00	400	28	ug/L	U		Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
G104	11-May-99	86	28	ug/L	DJ		Krummrich 1999 & 2000 Data
G108	11-May-99	150	28	ug/L	D		Krummrich 1999 & 2000 Data
G109	12-May-99	250	28	ug/L			Krummrich 1999 & 2000 Data
GM-13	1-Feb-00	1850000	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	3-Feb-00	21000	28	ug/L			Krummrich 1999 & 2000 Data
GM-15	2-Feb-00	100	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-32	2-Feb-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-33	1-Feb-00	63	28	ug/L			Krummrich 1999 & 2000 Data
GM-34	1-Feb-00	100	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-35	1-Feb-00	320	28	ug/L			Krummrich 1999 & 2000 Data
GP-11A	28-Jan-00	40	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	200	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-15A	1-Feb-00	2600	28	ug/L			Krummrich 1999 & 2000 Data
GP-16A	1-Feb-00	1600	28	ug/L			Krummrich 1999 & 2000 Data
GP-19A	3-Feb-00	5000	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-20A	3-Feb-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
NTF-B75	1-Jan-00	72	28	ug/L	J		Krummrich 1999 & 2000 Data
SCT-B71	1-Jan-00	60	28	ug/L	J		Krummrich 1999 & 2000 Data
GM-19A	9-May-00	80	28	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	40000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	11-May-00	100000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	10-May-00	40000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	200000	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-20A	11-Aug-03	100	28	ug/l			Krummrich Well Sampling
B-24A	13-Aug-03	5000	28	ug/l	U		Krummrich Well Sampling
B-29A	13-Aug-03	5000	28	ug/l	U		Krummrich Well Sampling
B-25A	13-Aug-03	5000	28	ug/l	U		Krummrich Well Sampling
EE-02-GP	4-Nov-99	690	28	ug/l	D		Sauget Area 1
EE-02-GPFD	4-Nov-99	860	28	ug/l	D		Sauget Area 1
EE-12-GP	5-Nov-99	1400	28	ug/l	D		Sauget Area 1
EE-14-GP	5-Nov-99	1800	28	ug/l	D		Sauget Area 1
AA-I-S1-17-21FT	14-Dec-99	4100	28	ug/l	JD		Sauget Area 1
EE-05	13-Oct-99	1600	28	ug/l	JD		Sauget Area 1
EEG-109	11-Oct-99	55	28	ug/l			Sauget Area 1
AA-I-S2-26-30FT	6-Dec-99	680	28	ug/l	D		Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	2400	28	ug/l	D		Sauget Area 1
EEG-107	7-Oct-99	23000	28	ug/l	D		Sauget Area 1
EE-01	12-Oct-99	1800	28	ug/l	D		Sauget Area 1
AA-I-S2-36-40FT	7-Dec-99	340	28	ug/l			Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	1400	28	ug/l	JD		Sauget Area 1

P-Chloroaniline Exceedances
Medium
Sauget Area 2

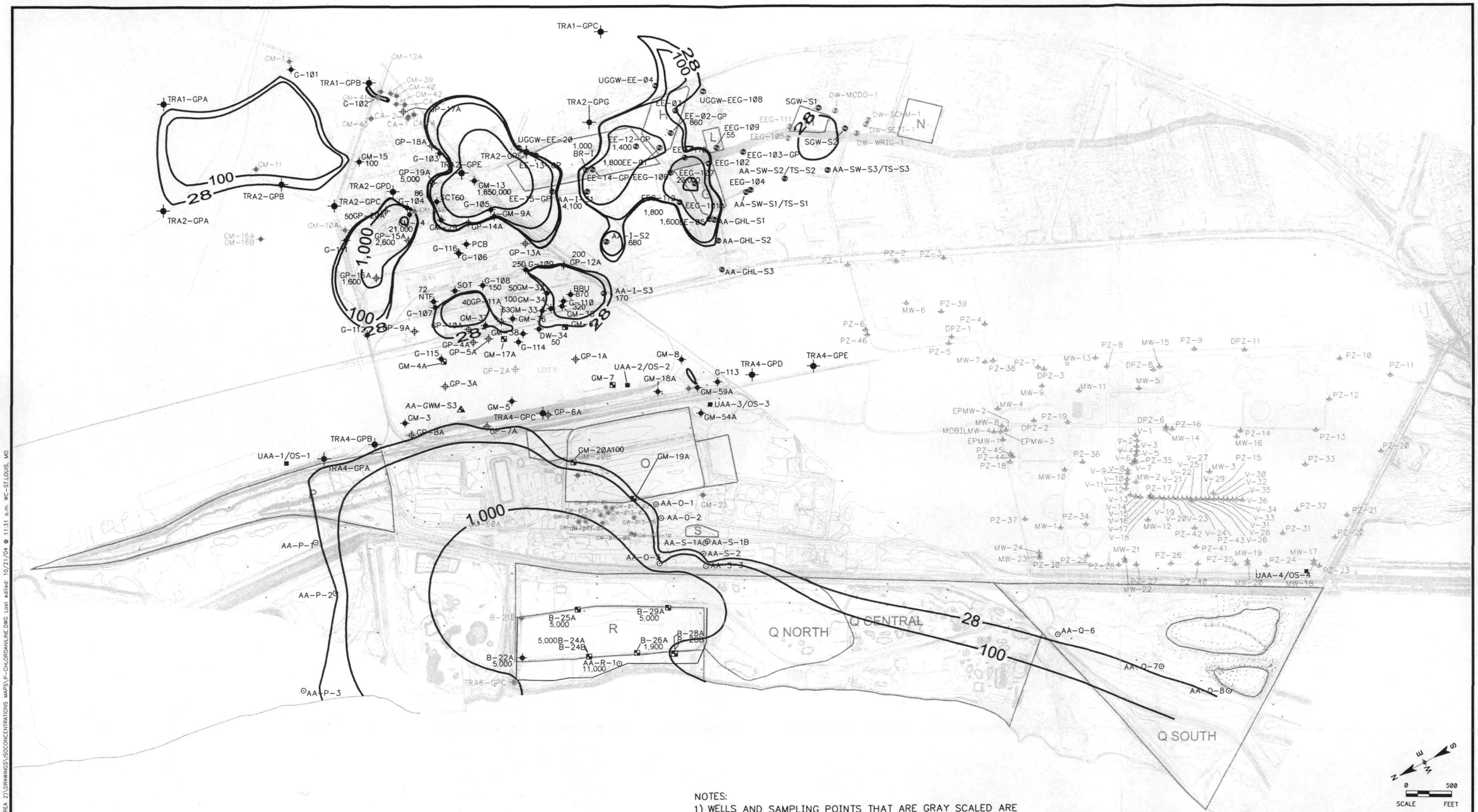
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-1-50	16-Jul-02	130	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-50-Filtered	29-Jul-02	120	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-60	16-Jul-02	60	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-60-DUP	16-Jul-02	80	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-45	7-Aug-02	91	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-45-Filtered	7-Aug-02	61	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-65	7-Aug-02	500	28	ug/l		D	Sauget Area 2 2002
GW-AA-Q-5-75	7-Aug-02	130	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-75-DUP	7-Aug-02	150	28	ug/l			Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	40000	28	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	46000	28	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	51000	28	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	25000	28	ug/l		D	Sauget Area 2 2002
B-21B	10-May-00	16000	28	ug/L			Krummrich 1999 & 2000 Data
B-24C	11-May-00	10000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-24D	11-May-00	2000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-25B	10-May-00	25000	28	ug/L	U		Krummrich 1999 & 2000 Data
B-26B	11-May-00	35000	28	ug/L			Krummrich 1999 & 2000 Data
B-28B	10-May-00	71000	28	ug/L			Krummrich 1999 & 2000 Data
B-29B	10-May-00	50000	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-10B	2-Feb-00	100	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-10B	9-May-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	9-May-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-4B	26-Jan-00	53	28	ug/L			Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	290	28	ug/L			Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	190	28	ug/L			Krummrich 1999 & 2000 Data
GP-11B	28-Jan-00	110	28	ug/L			Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	50	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-14B	1-Feb-00	110	28	ug/L			Krummrich 1999 & 2000 Data
GP-15B	1-Feb-00	92000	28	ug/L			Krummrich 1999 & 2000 Data
GP-16B	1-Feb-00	1500	28	ug/L			Krummrich 1999 & 2000 Data
GP-18B	3-Feb-00	40	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-19B	3-Feb-00	5000	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-1B	25-Jan-00	63	28	ug/L			Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	93	28	ug/L			Krummrich 1999 & 2000 Data
GP-8B	27-Jan-00	100	28	ug/L	U		Krummrich 1999 & 2000 Data
GP-9B	28-Jan-00	500	28	ug/L			Krummrich 1999 & 2000 Data
MW-5B	28-Jan-00	200	28	ug/L			Krummrich 1999 & 2000 Data
TRA1-GPC44	7-Jul-03	50	28	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	7-Jul-03	50	28	ug/l	U	UJ	Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	91	28	ug/l			Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	33	28	ug/l			Krummrich CA-750 Profiling
TRA2-GPD72	2-Jul-03	31	28	ug/l			Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	140	28	ug/l			Krummrich CA-750 Profiling
TRA6-GPC65	22-Jul-03	8600	28	ug/l	D		Krummrich CA-750 Profiling
B-24C	14-Aug-03	15000	28	ug/l	D		Krummrich Well Sampling
B-25B	12-Aug-03	20000	28	ug/l	U		Krummrich Well Sampling
B-28B	13-Aug-03	500	28	ug/l	U	UJ	Krummrich Well Sampling
B-28B-D	13-Aug-03	92000	28	ug/l	D	J	Krummrich Well Sampling
B-29B	14-Aug-03	5000	28	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	63	28	ug/l		J	Krummrich Well Sampling
GM-4B	6-Aug-03	44	28	ug/l			Krummrich Well Sampling
MW-7B	6-Aug-03	120	28	ug/l			Krummrich Well Sampling
AA-H-S1-63-67FT	10-Mar-00	500	28	ug/l	U		Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	1700	28	ug/l	D		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	520	28	ug/l	J		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	180	28	ug/l			Sauget Area 1
AA-I-S2-46-50FT	7-Dec-99	130	28	ug/l			Sauget Area 1
AA-I-S2-56-60FT	8-Dec-99	280	28	ug/l			Sauget Area 1
AA-I-S2-66-70FT	8-Dec-99	320	28	ug/l			Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	36	28	ug/l			Sauget Area 1
AA-I-S3-54-58FT	7-Dec-99	36	28	ug/l			Sauget Area 1

P-Chloroaniline Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-I-S3-64-68FT	7-Dec-99	170	28	ug/l			Sauget Area 1
AA-I-S3-74-78FT	8-Dec-99	100	28	ug/l			Sauget Area 1

Table 2C
P-Chloroaniline Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-1-120-Filtered	30-Jul-02	36	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	2500	28	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	3200	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2-Filtered	30-Jul-02	3500	28	ug/l		D	Sauget Area 2 2002
GW-AA-Q-1-80	16-Jul-02	55	28	ug/l			Sauget Area 2 2002
GW-AA-Q-1-90	17-Jul-02	110	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-85	8-Aug-02	380	28	ug/l		D	Sauget Area 2 2002
GW-AA-Q-5-85-Filtered	8-Aug-02	200	28	ug/l			Sauget Area 2 2002
GW-AA-Q-5-95	8-Aug-02	82	28	ug/l			Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	11000	28	ug/l	J,I	D	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	16000	28	ug/l	J,I	D	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	10000	28	ug/l	J,I	D	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	15000	28	ug/l	J,I	D	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	1300	28	ug/l		D	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	4800	28	ug/l	J,I	D	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	2100	28	ug/l		D	Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	100	28	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	470	28	ug/l	J,s	D	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	800	28	ug/l		D	Sauget Area 2 2002
GM-27B	10-May-00	25000	28	ug/L			Krummrich 1999 & 2000 Data
GM-27C	10-May-00	200	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-56C	11-May-00	1000	28	ug/L	U		Krummrich 1999 & 2000 Data
GM-60C	9-May-00	40	28	ug/L	U		Krummrich 1999 & 2000 Data
TRA6-GPC121	23-Jul-03	180	28	ug/l			Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	37000	28	ug/l	D		Krummrich CA-750 Profiling
GM-4C	6-Aug-03	46	28	ug/l			Krummrich Well Sampling
MW-7C	6-Aug-03	130	28	ug/l			Krummrich Well Sampling
AA-H-S1-93-97FT	15-Mar-00	80	28	ug/l			Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	400	28	ug/l	U		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	400	28	ug/l	U		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	58	28	ug/l	J		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	75	28	ug/l			Sauget Area 1
BR-GFD	1-May-00	200	28	ug/l	U		Sauget Area 1
BR-I	25-Apr-00	1000	28	ug/l	U		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

28 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map P-Chloroaniline (Shallow)
	FIG. NO. 1

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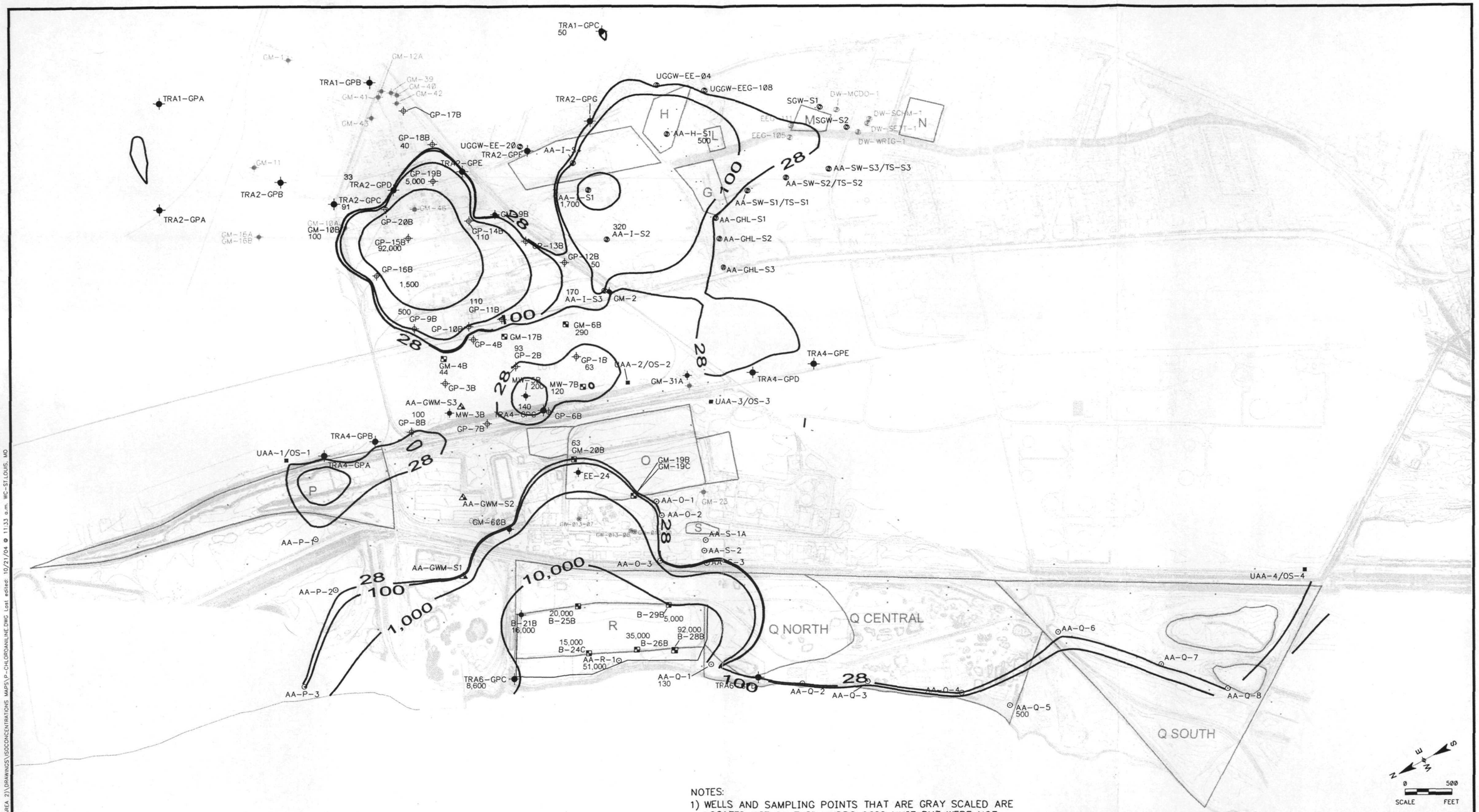


LEGEND

100 — CONCENTRATION CONTOUR (ppb)

28 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

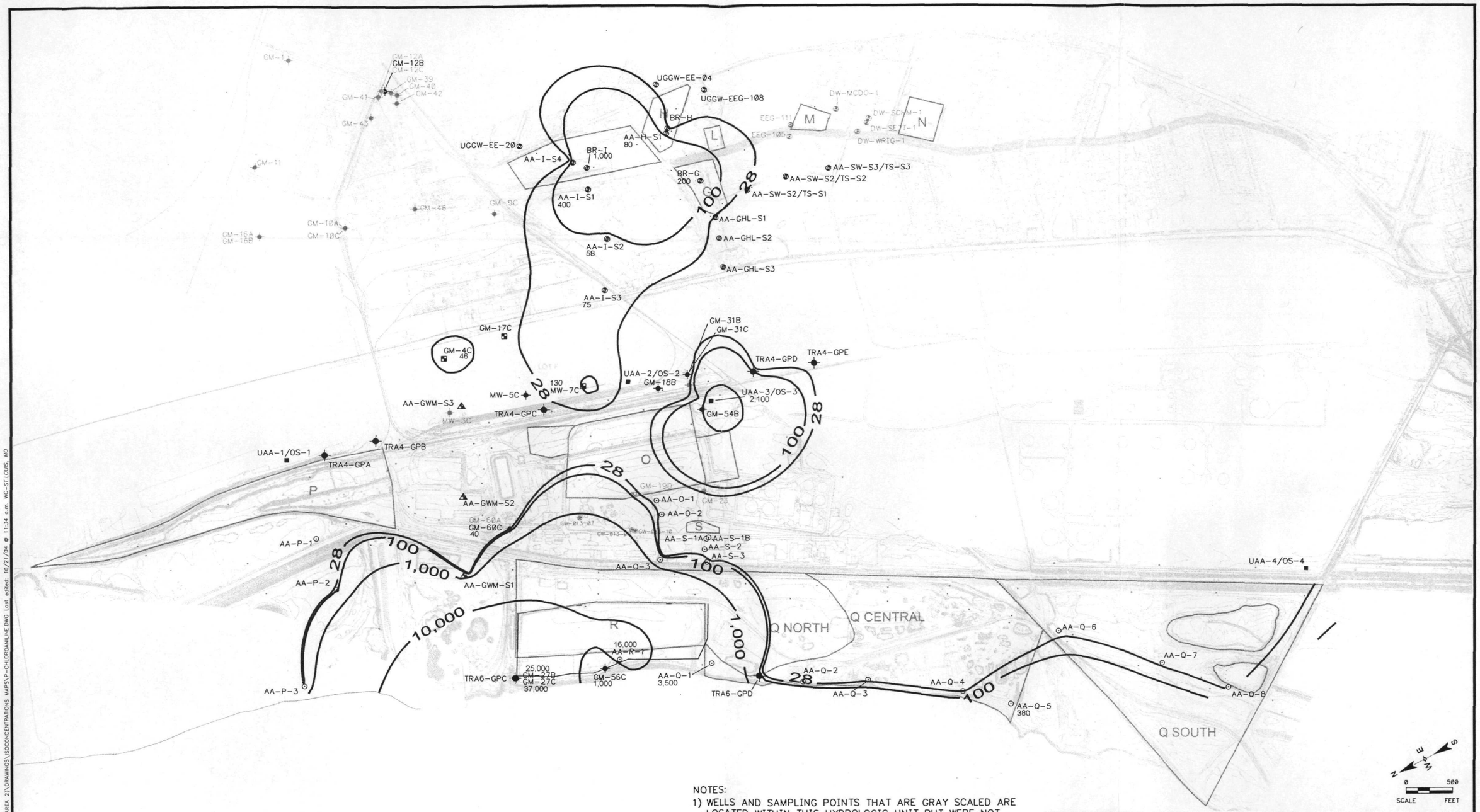
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map P-Chloroaniline (Medium)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\P-CHLOROANILINE.DWG Last edited: 10/21/04 @ 11:33 a.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 28 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map P-Chloroaniline (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\P-CHLOROANILINE.DWG Last edited: 10/21/04 @ 11:34 a.m. WC-ST.LOUIS, MO

Table 3A
Benzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-24	25-Jul-02	490	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-24-DUP	25-Jul-02	460	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-34	25-Jul-02	12000	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	12000	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	510	5	ug/l			Sauget Area 2 2002
DPZ-1	18-Jun-02	1720	5	ug/L			Conoco Phillips
DPZ-2	19-Jun-02	12200	5	ug/L			Conoco Phillips
DPZ-3	18-Jun-02	6180	5	ug/L			Conoco Phillips
DPZ-6	18-Jun-02	224	5	ug/L			Conoco Phillips
EPMMW-1	31-Jul-03	219	5	ug/L			Conoco Phillips
EPMMW-2	31-Jul-03	6530	5	ug/L			Conoco Phillips
EPMMW-3	31-Jul-03	761	5	ug/L			Conoco Phillips
MW-10	19-Jun-02	4270	5	ug/L			Conoco Phillips
MW-11	20-Jun-02	4190	5	ug/L			Conoco Phillips
MW-2	19-Jul-01	17400	5	ug/L			Conoco Phillips
MW-22	17-Jul-01	22	5	ug/L			Conoco Phillips
MW-3	17-Jul-03	2400	5	ug/L			Conoco Phillips
MW-4	19-Jun-02	4360	5	ug/L			Conoco Phillips
MW-5	20-Jun-02	19100	5	ug/L			Conoco Phillips
MW-6	18-Jul-01	7400	5	ug/L			Conoco Phillips
MW-7	18-Jun-02	605	5	ug/L			Conoco Phillips
MW-8	22-Jul-03	4370	5	ug/L			Conoco Phillips
MW-9	18-Jun-02	4530	5	ug/L			Conoco Phillips
PZ-35	19-Jun-02	410	5	ug/L			Conoco Phillips
PZ-4	18-Jun-02	13900	5	ug/L			Conoco Phillips
PZ-44	19-Jun-02	5780	5	ug/L			Conoco Phillips
PZ-45	19-Jun-02	27.5	5	ug/L			Conoco Phillips
PZ-46	18-Jun-02	676	5	ug/L			Conoco Phillips
PZ-7	18-Jun-02	11100	5	ug/L			Conoco Phillips
PZ-8	20-Jul-01	11000	5	ug/L			Conoco Phillips
V-12	18-Jul-03	5.4	5	ug/L			Conoco Phillips
V-13	20-Jun-02	1830	5	ug/L			Conoco Phillips
V-14	18-Jul-03	824	5	ug/L			Conoco Phillips
V-16	18-Jul-03	44	5	ug/L			Conoco Phillips
V-17	20-Jun-02	588	5	ug/L			Conoco Phillips
V-18	22-Jul-03	1940	5	ug/L			Conoco Phillips
V-2	22-Jul-03	190	5	ug/L			Conoco Phillips
V-26	20-Jul-01	184	5	ug/L			Conoco Phillips
V-29	21-Jun-02	103	5	ug/L			Conoco Phillips
V-3	20-Jul-01	3580	5	ug/L			Conoco Phillips
V-30	20-Jul-01	274	5	ug/L			Conoco Phillips
V-9	20-Jun-02	5.7	5	ug/L			Conoco Phillips
GW-013-02	05-Jun-01	21000	5	ug/L			Clayton Chemical
GW-013-03	05-Jun-01	55000	5	ug/L			Clayton Chemical
GW-013-04	05-Jun-01	17000	5	ug/L			Clayton Chemical
GW-013-05	05-Jun-01	15000	5	ug/L			Clayton Chemical
B-22A	10-May-00	1000	5	ug/L			Krummrich 1999 & 2000 Data
B-24A	11-May-00	1600	5	ug/L			Krummrich 1999 & 2000 Data
B-24B	11-May-00	2000	5	ug/L			Krummrich 1999 & 2000 Data
B-25A	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	460	5	ug/L			Krummrich 1999 & 2000 Data
B-29A	10-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
BBU-B52	01-Jan-00	220	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B53	01-Jan-00	130	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B54	01-Jan-00	32	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B55	01-Jan-00	3800	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B56	01-Jan-00	13000	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B57	01-Jan-00	86000	5	ug/L			Krummrich 1999 & 2000 Data
BBU-B58	01-Jan-00	1100000	5	ug/L	D		Krummrich 1999 & 2000 Data
BBU-B59	01-Jan-00	120000	5	ug/L			Krummrich 1999 & 2000 Data

Table 3A
Benzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
CA-1	02-Feb-00	870	5	ug/L			Krummrich 1999 & 2000 Data
CA-2	02-Feb-00	2500	5	ug/L			Krummrich 1999 & 2000 Data
CA-3	02-Feb-00	120	5	ug/L			Krummrich 1999 & 2000 Data
CA-3-DUP	02-Feb-00	91	5	ug/L			Krummrich 1999 & 2000 Data
CA-4	02-Feb-00	120	5	ug/L			Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	840000	5	ug/L			Krummrich 1999 & 2000 Data
G102	10-May-99	420	5	ug/L			Krummrich 1999 & 2000 Data
G108	11-May-99	16	5	ug/L			Krummrich 1999 & 2000 Data
G109	12-May-99	6	5	ug/L	J		Krummrich 1999 & 2000 Data
G110	13-May-99	26000	5	ug/L			Krummrich 1999 & 2000 Data
G112	13-May-99	14	5	ug/L			Krummrich 1999 & 2000 Data
G114	12-May-99	2800	5	ug/L	J		Krummrich 1999 & 2000 Data
GM-13	01-Feb-00	1250	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	03-Feb-00	6000	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-15	02-Feb-00	34	5	ug/L			Krummrich 1999 & 2000 Data
GM-17A	31-Jan-00	540000	5	ug/L			Krummrich 1999 & 2000 Data
GM-18A	28-Jan-00	660	5	ug/L			Krummrich 1999 & 2000 Data
GM-19A	09-May-00	18	5	ug/L			Krummrich 1999 & 2000 Data
GM-29	03-Feb-00	260	5	ug/L			Krummrich 1999 & 2000 Data
GM-32	02-Feb-00	300000	5	ug/L			Krummrich 1999 & 2000 Data
GM-33	01-Feb-00	1600000	5	ug/L			Krummrich 1999 & 2000 Data
GM-34	01-Feb-00	1200000	5	ug/L			Krummrich 1999 & 2000 Data
GM-35	01-Feb-00	5500	5	ug/L			Krummrich 1999 & 2000 Data
GM-36	01-Feb-00	270000	5	ug/L			Krummrich 1999 & 2000 Data
GM-38	25-Jan-00	2200	5	ug/L			Krummrich 1999 & 2000 Data
GM-4AR	26-Jan-00	5	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-54A	31-Jan-00	130	5	ug/L			Krummrich 1999 & 2000 Data
GM-59A	31-Jan-00	5.7	5	ug/L			Krummrich 1999 & 2000 Data
GM-6A	26-Jan-00	1000	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-11A	28-Jan-00	1800	5	ug/L			Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	600	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-13A	31-Jan-00	1400	5	ug/L			Krummrich 1999 & 2000 Data
GP-14A	01-Feb-00	440	5	ug/L			Krummrich 1999 & 2000 Data
GP-15A	01-Feb-00	125	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-17A	02-Feb-00	41	5	ug/L			Krummrich 1999 & 2000 Data
GP-18A	03-Feb-00	330	5	ug/L			Krummrich 1999 & 2000 Data
GP-19A	03-Feb-00	1250	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-1B	25-Jan-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-20B	03-Feb-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
GP4-A	26-Jan-00	760000	5	ug/L			Krummrich 1999 & 2000 Data
GP-5A	26-Jan-00	120	5	ug/L			Krummrich 1999 & 2000 Data
GP-6A	27-Jan-00	18	5	ug/L			Krummrich 1999 & 2000 Data
GP-9A	28-Jan-00	125	5	ug/L	U		Krummrich 1999 & 2000 Data
NTF-B72	01-Jan-00	22	5	ug/L			Krummrich 1999 & 2000 Data
NTF-B76	01-Jan-00	130000	5	ug/L			Krummrich 1999 & 2000 Data
SCT-B67	01-Jan-00	51	5	ug/L			Krummrich 1999 & 2000 Data
SCT-B69	01-Jan-00	32000	5	ug/L			Krummrich 1999 & 2000 Data
SCT-B71	01-Jan-00	45000	5	ug/L			Krummrich 1999 & 2000 Data
SOT-B64	01-Jan-00	1700	5	ug/L			Krummrich 1999 & 2000 Data
SOT-B65	01-Jan-00	1300	5	ug/L			Krummrich 1999 & 2000 Data
TRA1-GPB21	01-Jul-03	150	5	ug/l			Krummrich CA-750 Profiling
B-24A	13-Aug-03	710	5	ug/l		J	Krummrich Well Sampling
B-28A	14-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	760000	5	ug/l	D		Krummrich Well Sampling
GM-20A	11-Aug-03	200	5	ug/l			Krummrich Well Sampling
GM-6A	05-Aug-03	3600	5	ug/l			Krummrich Well Sampling
AA-I-S1-17-21FT	14-Dec-99	620	5	ug/l			Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	290	5	ug/l			Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S2-26-30FT	06-Dec-99	120	5	ug/l			Sauget Area 1

Table 3A
Benzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-I-S2-36-40FT	07-Dec-99	250	5	ug/l			Sauget Area 1
EE-01	12-Oct-99	1500	5	ug/l			Sauget Area 1
EE-02-GP	04-Nov-99	2200	5	ug/l			Sauget Area 1
EE-02-GPFD	04-Nov-99	2300	5	ug/l			Sauget Area 1
EE-05	13-Oct-99	110	5	ug/l			Sauget Area 1
EE-12-GP	05-Nov-99	680	5	ug/l			Sauget Area 1
EE-14-GP	05-Nov-99	750	5	ug/l			Sauget Area 1
EEG-106	07-Oct-99	9.3	5	ug/l			Sauget Area 1
EEG-107	07-Oct-99	3700	5	ug/l	D		Sauget Area 1
EEG-109	11-Oct-99	44	5	ug/l			Sauget Area 1

Table 3B
Benzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-5-45	07-Aug-02	15	5	ug/l			Sauget Area 2 2002
GW-AA-Q-5-65	07-Aug-02	26	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-44	25-Jul-02	520	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-54	26-Jul-02	1100	5	ug/l		D	Sauget Area 2 2002
GW-AA-Q-6-64	26-Jul-02	72	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-74	26-Jul-02	56	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	1500	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	800	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	830	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	450	5	ug/l			Sauget Area 2 2002
GW-UAA-2-50FT	19-Jun-02	12	5	ug/l			Sauget Area 2 2002
GW-UAA-2-60FT	20-Jun-02	15	5	ug/l			Sauget Area 2 2002
GW-UAA-2-70FT	20-Jun-02	24	5	ug/l			Sauget Area 2 2002
GW-UAA-3-74	12-Jun-02	7.4	5	ug/l			Sauget Area 2 2002
B-21B	10-May-00	6300	5	ug/L			Krummrich 1999 & 2000 Data
B-24C	11-May-00	2000	5	ug/L			Krummrich 1999 & 2000 Data
B-25B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-26B	11-May-00	440	5	ug/L			Krummrich 1999 & 2000 Data
B-28B	10-May-00	190	5	ug/L			Krummrich 1999 & 2000 Data
B-29B	10-May-00	51	5	ug/L			Krummrich 1999 & 2000 Data
GM-10B	02-Feb-00	280	5	ug/L			Krummrich 1999 & 2000 Data
GM-17B	31-Jan-00	38	5	ug/L			Krummrich 1999 & 2000 Data
GM-2	03-Feb-00	26	5	ug/L			Krummrich 1999 & 2000 Data
GM-20B	01-Feb-00	110	5	ug/L			Krummrich 1999 & 2000 Data
GM-20B	09-May-00	76	5	ug/L			Krummrich 1999 & 2000 Data
GM-20B-DUP	01-Feb-00	280	5	ug/L			Krummrich 1999 & 2000 Data
GM-31A	28-Jan-00	14	5	ug/L			Krummrich 1999 & 2000 Data
GM-4B	26-Jan-00	12.5	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-60B	09-May-00	12.5	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	4800	5	ug/L			Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	4800	5	ug/L			Krummrich 1999 & 2000 Data
GM-9B	01-Feb-00	54	5	ug/L			Krummrich 1999 & 2000 Data
GP-10B	28-Jan-00	130	5	ug/L			Krummrich 1999 & 2000 Data
GP-11B	28-Jan-00	6200	5	ug/L			Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-13B	31-Jan-00	110	5	ug/L			Krummrich 1999 & 2000 Data
GP-14B	01-Feb-00	130	5	ug/L			Krummrich 1999 & 2000 Data
GP-15B	01-Feb-00	21000	5	ug/L			Krummrich 1999 & 2000 Data
GP-16B	01-Feb-00	76	5	ug/L			Krummrich 1999 & 2000 Data
GP-17B	02-Feb-00	11000	5	ug/L			Krummrich 1999 & 2000 Data
GP-18B	03-Feb-00	7300	5	ug/L			Krummrich 1999 & 2000 Data
GP-19B	03-Feb-00	1250	5	ug/L	U		Krummrich 1999 & 2000 Data
GP-20A	03-Feb-00	1100	5	ug/L			Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	390000	5	ug/L			Krummrich 1999 & 2000 Data
GP-3B	26-Jan-00	510000	5	ug/L			Krummrich 1999 & 2000 Data
GP-4B	26-Jan-00	180000	5	ug/L			Krummrich 1999 & 2000 Data
GP-6B	27-Jan-00	54	5	ug/L			Krummrich 1999 & 2000 Data
GP-7B	27-Jan-00	42	5	ug/L			Krummrich 1999 & 2000 Data
GP-8B	27-Jan-00	79000	5	ug/L			Krummrich 1999 & 2000 Data
GP-9B	28-Jan-00	4900	5	ug/L			Krummrich 1999 & 2000 Data
MW-3B	27-Jan-00	32000	5	ug/L			Krummrich 1999 & 2000 Data
MW-5B	28-Jan-00	370000	5	ug/L			Krummrich 1999 & 2000 Data
MW-7B	25-Jan-00	20	5	ug/L			Krummrich 1999 & 2000 Data
AA-GWM-S3-40	24-Jul-02	81000	5	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	74000	5	ug/l	D		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	74000	5	ug/l	D		Krummrich 2002 Profiling
TRA1-GPB43	01-Jul-03	37000	5	ug/l	D		Krummrich CA-750 Profiling
TRA1-GPB73	01-Jul-03	7800	5	ug/l	D		Krummrich CA-750 Profiling
TRA1-GPC44	07-Jul-03	390	5	ug/l			Krummrich CA-750 Profiling

Table 3B
Benzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
TRA1-GPC74	07-Jul-03	29	5	ug/l		J	Krummrich CA-750 Profiling
TRA2-GPB70	22-Aug-03	18	5	ug/l			Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	3200	5	ug/l			Krummrich CA-750 Profiling
TRA2-GPD41	02-Jul-03	49	5	ug/l			Krummrich CA-750 Profiling
TRA2-GPD72	02-Jul-03	1300	5	ug/l			Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	160000	5	ug/l	D		Krummrich CA-750 Profiling
TRA6-GPC65	22-Jul-03	1100	5	ug/l	D		Krummrich CA-750 Profiling
B-24C	14-Aug-03	1900	5	ug/l			Krummrich Well Sampling
B-29B	14-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-17B	04-Aug-03	60	5	ug/l	U		Krummrich Well Sampling
GM-19C	08-Aug-03	16	5	ug/l			Krummrich Well Sampling
GM-19C-D	08-Aug-03	16	5	ug/l			Krummrich Well Sampling
GM-20B	11-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
GM-4B	06-Aug-03	2800	5	ug/l			Krummrich Well Sampling
GM-6B	05-Aug-03	125	5	ug/l	U		Krummrich Well Sampling
MW-7B	06-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-H-S1-73-77FT	13-Mar-00	7.5	5	ug/l			Sauget Area 1
AA-H-S1-73-77FTFD	13-Mar-00	11	5	ug/l			Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	190	5	ug/l			Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	12	5	ug/l			Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	140	5	ug/l	J		Sauget Area 1
AA-I-S2-46-50FT	07-Dec-99	300	5	ug/l			Sauget Area 1
AA-I-S2-56-60FT	08-Dec-99	200	5	ug/l			Sauget Area 1
AA-I-S2-66-70FT	08-Dec-99	270	5	ug/l			Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	120	5	ug/l			Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	120	5	ug/l			Sauget Area 1
AA-I-S3-54-58FT	07-Dec-99	45	5	ug/l			Sauget Area 1
AA-I-S3-64-68FT	07-Dec-99	74	5	ug/l			Sauget Area 1
AA-I-S3-74-78FT	08-Dec-99	72	5	ug/l			Sauget Area 1

Table 3C
Benzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	9.6	5	ug/l		J	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-96	09-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	190	5	ug/l			Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	60	5	ug/l			Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	77	5	ug/l			Sauget Area 2 2002
GW-AA-P-2-104	06-Aug-02	6900	5	ug/l			Sauget Area 2 2002
GW-AA-P-2-114	07-Aug-02	5800	5	ug/l			Sauget Area 2 2002
GW-AA-P-2-114-DUP	07-Aug-02	6000	5	ug/l			Sauget Area 2 2002
GW-AA-P-2-122	07-Aug-02	2800	5	ug/l			Sauget Area 2 2002
GW-AA-Q-1-110	30-Jul-02	10	5	ug/l			Sauget Area 2 2002
GW-AA-Q-1-120	30-Jul-02	28	5	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	33	5	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	33	5	ug/l			Sauget Area 2 2002
GW-AA-Q-5-85	08-Aug-02	15	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-104	29-Jul-02	110	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-110	29-Jul-02	39	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-84	29-Jul-02	580	5	ug/l			Sauget Area 2 2002
GW-AA-Q-6-94	29-Jul-02	84	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	240	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	200	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	100	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	120	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	120	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	30	5	ug/l			Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	20	5	ug/l			Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	17	5	ug/l		J	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	24	5	ug/l			Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	55	5	ug/l			Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	13	5	ug/l		J	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	24	5	ug/l			Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	63	5	ug/l			Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	55	5	ug/l			Sauget Area 2 2002
GM-10C	02-Feb-00	460	5	ug/L			Krummrich 1999 & 2000 Data
GM-12B	02-Feb-00	7200	5	ug/L			Krummrich 1999 & 2000 Data
GM-12C	02-Feb-00	190	5	ug/L			Krummrich 1999 & 2000 Data
GM-17C	31-Jan-00	120	5	ug/L			Krummrich 1999 & 2000 Data
GM-18B	28-Jan-00	330	5	ug/L			Krummrich 1999 & 2000 Data
GM-18B	08-May-00	39	5	ug/L			Krummrich 1999 & 2000 Data
GM-27B	10-May-00	1400	5	ug/L			Krummrich 1999 & 2000 Data
GM-27C	10-May-00	250	5	ug/L			Krummrich 1999 & 2000 Data
GM-31B	28-Jan-00	11	5	ug/L			Krummrich 1999 & 2000 Data
GM-31C	28-Jan-00	82	5	ug/L			Krummrich 1999 & 2000 Data
GM-4C	27-Jan-00	52	5	ug/L			Krummrich 1999 & 2000 Data
GM-54B	01-Feb-00	23	5	ug/L			Krummrich 1999 & 2000 Data
GM-56C	11-May-00	6.6	5	ug/L			Krummrich 1999 & 2000 Data
GM-60C	09-May-00	18	5	ug/L			Krummrich 1999 & 2000 Data
GM-9C	01-Feb-00	30	5	ug/L			Krummrich 1999 & 2000 Data
MW-3C	27-Jan-00	125	5	ug/L	U		Krummrich 1999 & 2000 Data
MW-5C	28-Jan-00	960	5	ug/L			Krummrich 1999 & 2000 Data
MW-7C	25-Jan-00	100	5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	76	5	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	68	5	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	56	5	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-80	16-Jul-02	79	5	ug/l			Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	18	5	ug/l	J		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	17	5	ug/l	J		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	23	5	ug/l	J		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling

Table 3C
Benzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-GWM-S3-100	25-Jul-02	1900	5	ug/l			Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	24000	5	ug/l	D		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	120	5	ug/l			Krummrich CA-750 Profiling
TRA4-GPD119	30-Jul-03	2.5	5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC121	23-Jul-03	9.6	5	ug/l			Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	1300	5	ug/l	D		Krummrich CA-750 Profiling
GM-17C	05-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-4C	06-Aug-03	19000	5	ug/l	D		Krummrich Well Sampling
MW-7C	06-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-H-S1-83-87FT	13-Mar-00	18	5	ug/l			Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	140	5	ug/l			Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	74	5	ug/l			Sauget Area 1
AA-I-S1-87-91FTFD	21-Dec-99	77	5	ug/l			Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	50	5	ug/l			Sauget Area 1
AA-I-S2-86-90FT	13-Dec-99	60	5	ug/l			Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	50	5	ug/l			Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	52	5	ug/l			Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	23	5	ug/l			Sauget Area 1
AA-I-S3-84-88FT	09-Dec-99	68	5	ug/l			Sauget Area 1
AA-I-S3-84-88FTFD	09-Dec-99	69	5	ug/l			Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	53	5	ug/l	J		Sauget Area 1
AA-I-S4-86-90FT	08-Mar-00	32	5	ug/l			Sauget Area 1
AA-I-S4-96-100FT	09-Mar-00	97	5	ug/l			Sauget Area 1
BR-G	01-May-00	55	5	ug/l			Sauget Area 1
BR-GFD	01-May-00	53	5	ug/l			Sauget Area 1
BR-H	01-May-00	9.4	5	ug/l			Sauget Area 1
BR-I	25-Apr-00	63	5	ug/l			Sauget Area 1
UGGW-EE-04-100FT	27-Jan-00	6.4	5	ug/l			Sauget Area 1
UGGW-EE-04-100FTFD	27-Jan-00	6.7	5	ug/l			Sauget Area 1

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

5 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Benzene (Shallow)
	FIG. NO. 1

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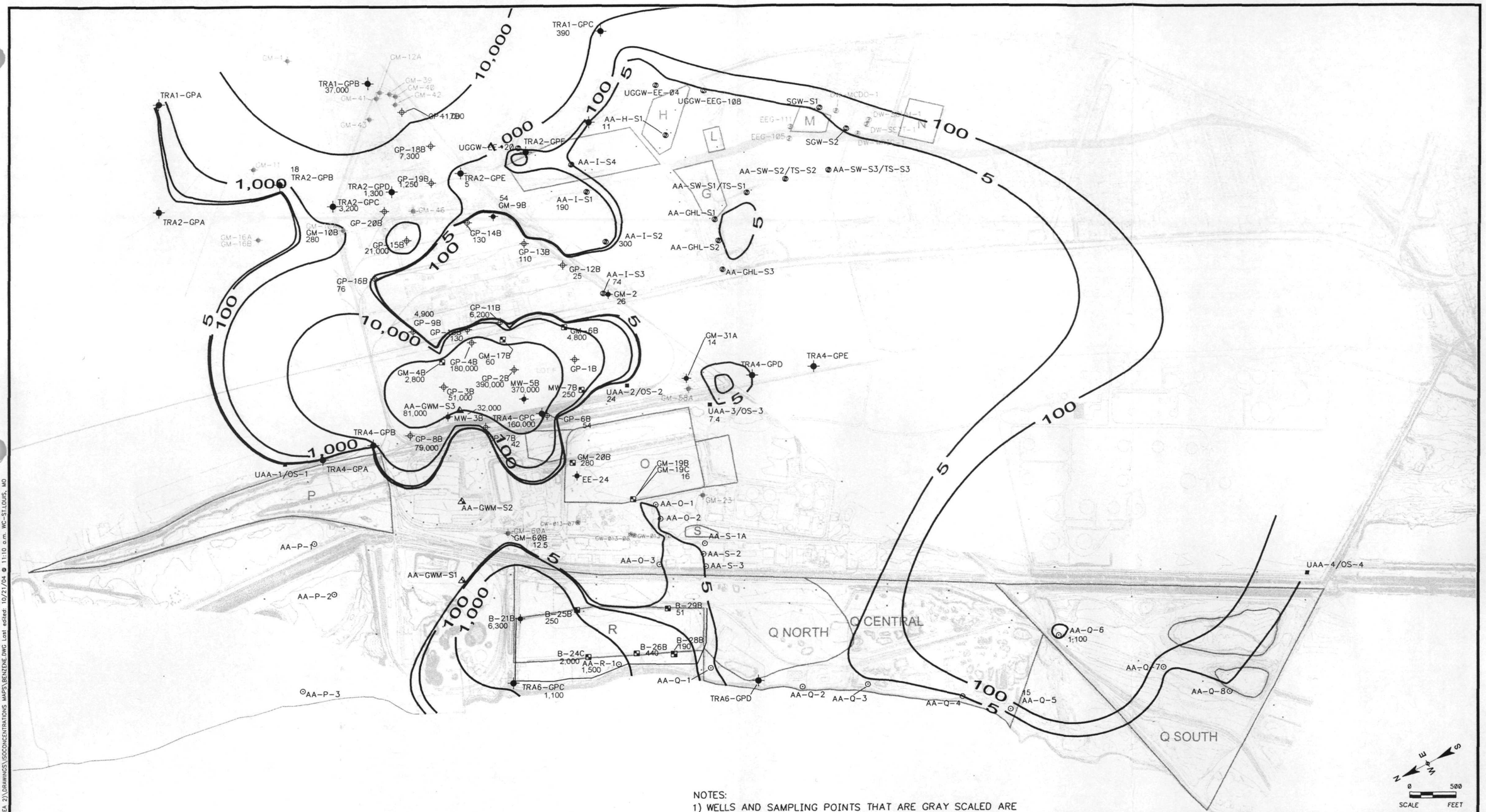

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 5 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Benzene (Medium)
	FIG. NO. 1

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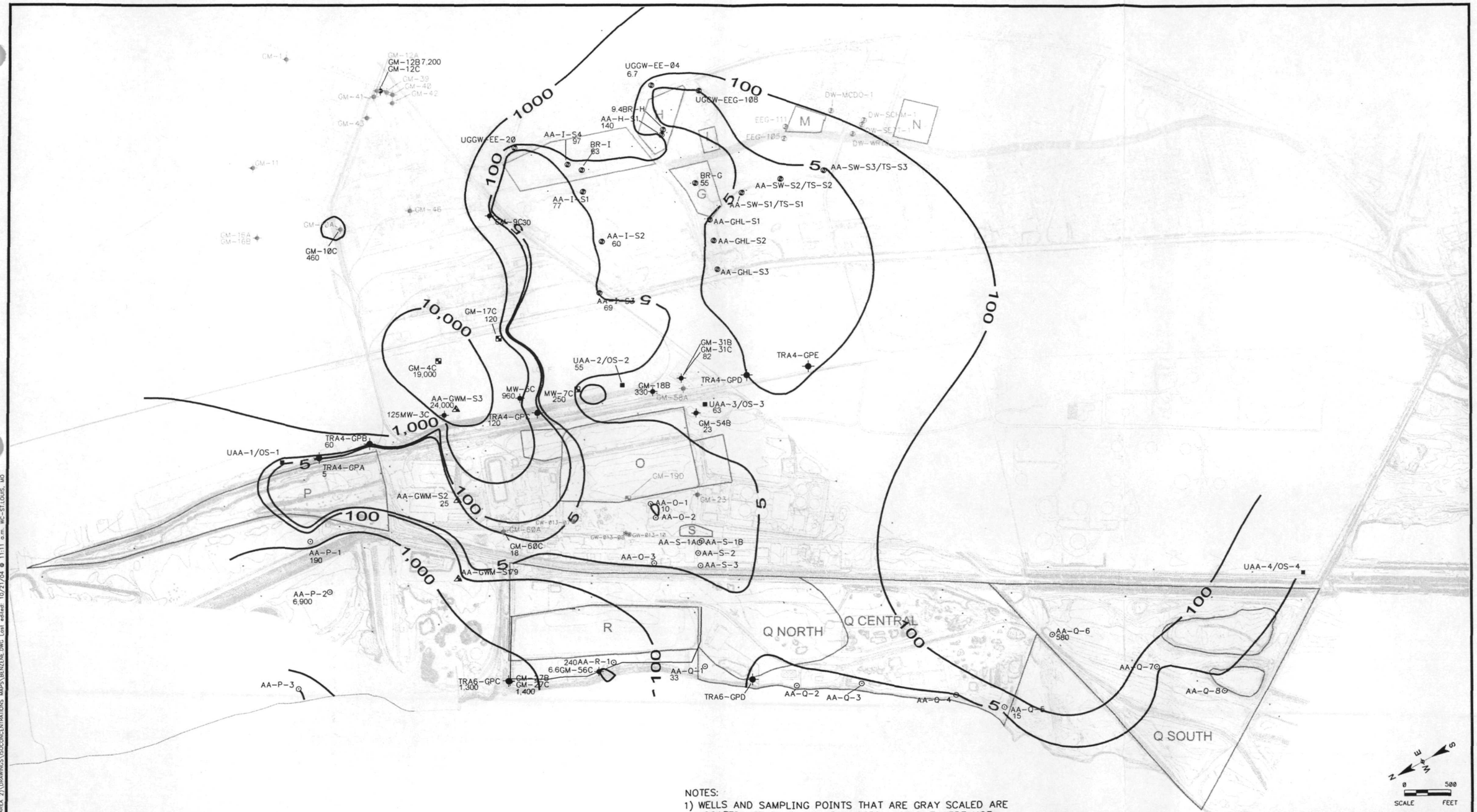

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

5 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Benzene (Deep)
	FIG. NO. 1

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Table 4A

1,4-Dichlorobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-28	19-Jul-02	250	75	ug/l		U	Sauget Area 2 2002
B-22A	10-May-00	2500	75	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	20000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-24D	11-May-00	10000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	100000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	125	75	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	11-May-00	50000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	10-May-00	20000	75	ug/L	U		Krummrich 1999 & 2000 Data
BBU-B55	01-Jan-00	350	75	ug/L			Krummrich 1999 & 2000 Data
BBU-B56	01-Jan-00	160	75	ug/L			Krummrich 1999 & 2000 Data
BBU-B57	01-Jan-00	3100	75	ug/L	D		Krummrich 1999 & 2000 Data
BBU-B58	01-Jan-00	250	75	ug/L			Krummrich 1999 & 2000 Data
BBU-B59	01-Jan-00	320	75	ug/L			Krummrich 1999 & 2000 Data
CA-1	02-Feb-00	200	75	ug/L	U		Krummrich 1999 & 2000 Data
CA-2	02-Feb-00	250	75	ug/L	U		Krummrich 1999 & 2000 Data
CA-3	02-Feb-00	200	75	ug/L	U		Krummrich 1999 & 2000 Data
CA-3-DUP	02-Feb-00	200	75	ug/L	U		Krummrich 1999 & 2000 Data
G103	10-May-99	180	75	ug/L	D		Krummrich 1999 & 2000 Data
G104	11-May-99	1600	75	ug/L	D		Krummrich 1999 & 2000 Data
G110	13-May-99	260	75	ug/L	D		Krummrich 1999 & 2000 Data
G114	12-May-99	280	75	ug/L	D		Krummrich 1999 & 2000 Data
GM-13	01-Feb-00	17000000	75	ug/L			Krummrich 1999 & 2000 Data
GM-14	03-Feb-00	2700	75	ug/L			Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	590	75	ug/L			Krummrich 1999 & 2000 Data
GP-15A	01-Feb-00	125	75	ug/L	U		Krummrich 1999 & 2000 Data
GP-16A	01-Feb-00	100	75	ug/L	U		Krummrich 1999 & 2000 Data
GP-18A	03-Feb-00	140	75	ug/L			Krummrich 1999 & 2000 Data
GP-19A	03-Feb-00	36000	75	ug/L			Krummrich 1999 & 2000 Data
GP-20A	03-Feb-00	100	75	ug/L			Krummrich 1999 & 2000 Data
NTF-B72	01-Jan-00	160	75	ug/L			Krummrich 1999 & 2000 Data
SCT-B68	01-Jan-00	5700	75	ug/L			Krummrich 1999 & 2000 Data
SCT-B69	01-Jan-00	8300	75	ug/L			Krummrich 1999 & 2000 Data
SCT-B71	01-Jan-00	28000	75	ug/L			Krummrich 1999 & 2000 Data
B-24A	13-Aug-03	2500	75	ug/l	U		Krummrich Well Sampling
B-25A	13-Aug-03	2500	75	ug/l	U		Krummrich Well Sampling
B-29A	13-Aug-03	2500	75	ug/l	U		Krummrich Well Sampling
AA-I-S1-27-31FT	15-Dec-99	4400	75	ug/l	D		Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	10000	75	ug/l	D		Sauget Area 1
AA-I-S2-16-20FT	03-Dec-99	92	75	ug/l			Sauget Area 1
AA-I-S2-26-30FT	06-Dec-99	4200	75	ug/l	D		Sauget Area 1
AA-I-S2-36-40FT	07-Dec-99	4900	75	ug/l	D		Sauget Area 1
EE-01	12-Oct-99	2200	75	ug/l	D		Sauget Area 1
EE-02-GP	04-Nov-99	550	75	ug/l	D		Sauget Area 1
EE-02-GPFD	04-Nov-99	720	75	ug/l	D		Sauget Area 1
EE-12-GP	05-Nov-99	96	75	ug/l			Sauget Area 1
EE-14-GP	05-Nov-99	14000	75	ug/l	D		Sauget Area 1
EE-15-GP	08-Nov-99	440	75	ug/l	D		Sauget Area 1
EE-15-GPFD	08-Nov-99	420	75	ug/l	D		Sauget Area 1
EEG-106	07-Oct-99	330	75	ug/l			Sauget Area 1
EEG-107	07-Oct-99	850	75	ug/l			Sauget Area 1

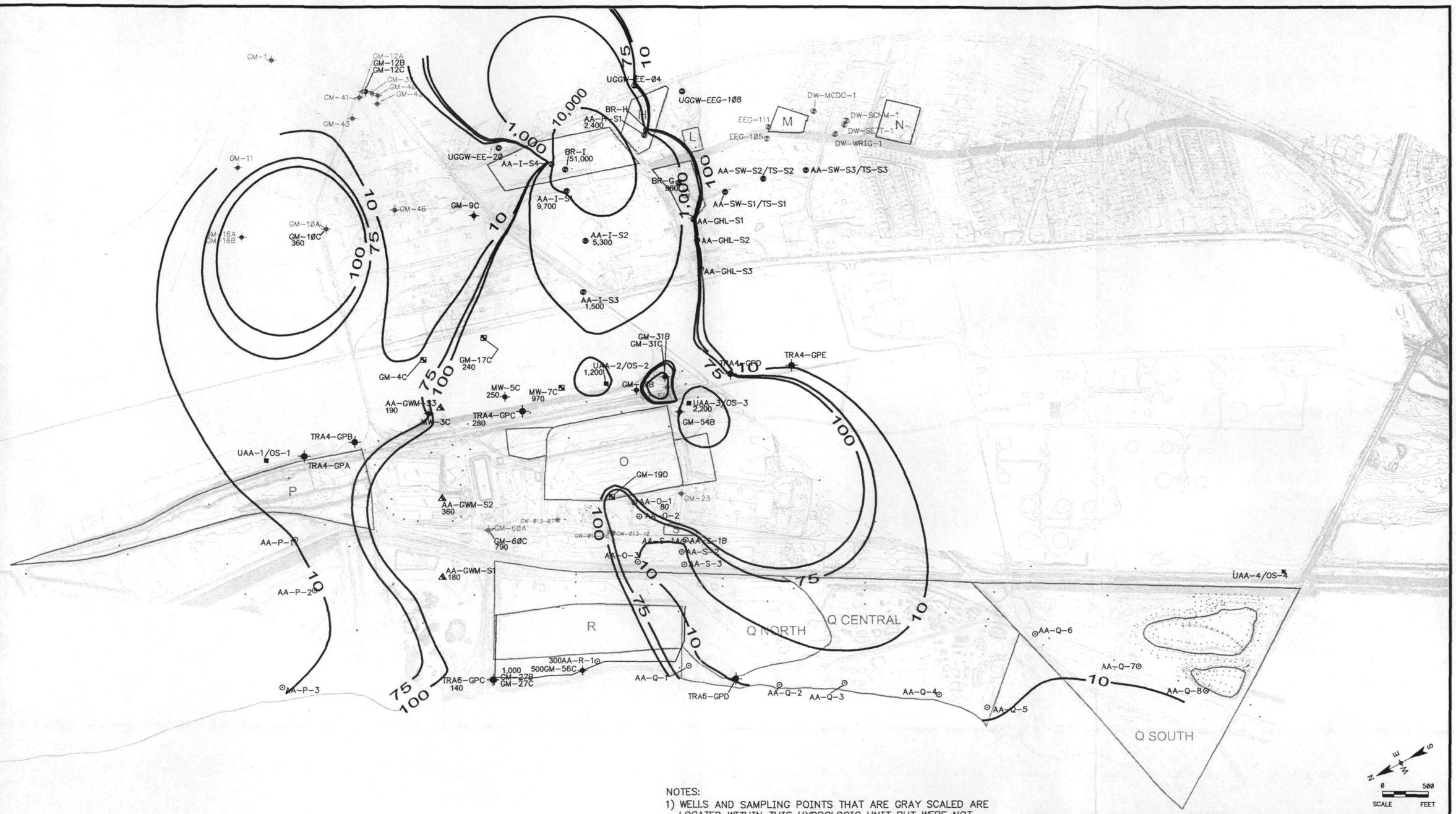
Table 4B

1,4-Dichlorobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-48	19-Jul-02	130	75	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	370	75	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	410	75	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	300	75	ug/l		J	Sauget Area 2 2002
B-21B	10-May-00	2000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-24C	11-May-00	5000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-25B	10-May-00	12500	75	ug/L	U		Krummrich 1999 & 2000 Data
B-26B	11-May-00	4000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-28B	10-May-00	5000	75	ug/L	U		Krummrich 1999 & 2000 Data
B-29B	10-May-00	25000	75	ug/L	U		Krummrich 1999 & 2000 Data
GM-10B	09-May-00	530	75	ug/L			Krummrich 1999 & 2000 Data
GM-10B	02-Feb-00	470	75	ug/L			Krummrich 1999 & 2000 Data
GM-17B	31-Jan-00	130	75	ug/L			Krummrich 1999 & 2000 Data
GM-19C	09-May-00	180	75	ug/L			Krummrich 1999 & 2000 Data
GM-20B	01-Feb-00	330	75	ug/L			Krummrich 1999 & 2000 Data
GM-20B	09-May-00	530	75	ug/L			Krummrich 1999 & 2000 Data
GM-20B-DUP	01-Feb-00	360	75	ug/L			Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	320	75	ug/L			Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	240	75	ug/L			Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	82	75	ug/L			Krummrich 1999 & 2000 Data
GP-15B	01-Feb-00	2500	75	ug/L	U		Krummrich 1999 & 2000 Data
GP-19B	03-Feb-00	50000	75	ug/L			Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	130	75	ug/L			Krummrich 1999 & 2000 Data
TRA2-GPD41	02-Jul-03	920	75	ug/l	D	J	Krummrich CA-750 Profiling
TRA2-GPD72	02-Jul-03	570	75	ug/l	D		Krummrich CA-750 Profiling
B-24C	14-Aug-03	250	75	ug/l	U		Krummrich Well Sampling
B-25B	12-Aug-03	10000	75	ug/l	U		Krummrich Well Sampling
B-28B	13-Aug-03	250	75	ug/l	U		Krummrich Well Sampling
B-28B-D	13-Aug-03	250	75	ug/l	U		Krummrich Well Sampling
B-29B	14-Aug-03	2500	75	ug/l	U		Krummrich Well Sampling
GM-17B	04-Aug-03	130	75	ug/l			Krummrich Well Sampling
GM-19C	08-Aug-03	300	75	ug/l	D		Krummrich Well Sampling
GM-19C-D	08-Aug-03	470	75	ug/l			Krummrich Well Sampling
GM-20B	11-Aug-03	1200	75	ug/l	D		Krummrich Well Sampling
GM-6B	05-Aug-03	160	75	ug/l			Krummrich Well Sampling
MW-7B	06-Aug-03	1000	75	ug/l	D		Krummrich Well Sampling
AA-H-S1-53-57FT	10-Mar-00	2600	75	ug/l	D		Sauget Area 1
AA-H-S1-63-67FT	10-Mar-00	14000	75	ug/l			Sauget Area 1
AA-H-S1-73-77FT	13-Mar-00	1300	75	ug/l dw	D		Sauget Area 1
AA-H-S1-73-77FTFD	13-Mar-00	1000	75	ug/l	D		Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	6700	75	ug/l	D		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	8100	75	ug/l			Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	6100	75	ug/l	D		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	3100	75	ug/l			Sauget Area 1
AA-I-S2-46-50FT	07-Dec-99	2900	75	ug/l	D		Sauget Area 1
AA-I-S2-56-60FT	08-Dec-99	3700	75	ug/l	D		Sauget Area 1
AA-I-S2-66-70FT	08-Dec-99	4500	75	ug/l	D		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	510	75	ug/l	D		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	560	75	ug/l	D		Sauget Area 1
AA-I-S3-64-68FT	07-Dec-99	1500	75	ug/l	D		Sauget Area 1
AA-I-S3-74-78FT	08-Dec-99	3200	75	ug/l	D		Sauget Area 1
AA-I-S4-56-60FT	07-Mar-00	290	75	ug/l			Sauget Area 1
AA-I-S4-56-60FTFD	07-Mar-00	250	75	ug/l			Sauget Area 1

Table 4C
1,4-Dichlorobenzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	80	75	ug/l			Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	210	75	ug/l			Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	250	75	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	250	75	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	120	75	ug/l			Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	300	75	ug/l	J,s		Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	370	75	ug/l	J,s	D	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	1200	75	ug/l		D	Sauget Area 2 2002
GW-UAA-2-120FT	21-Jun-02	860	75	ug/l	J,s	D	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	410	75	ug/l	J,s	D	Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	240	75	ug/l		D	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	2200	75	ug/l		D	Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	1800	75	ug/l		D	Sauget Area 2 2002
GW-UAA-3-116	13-Jun-02	1500	75	ug/l		D	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	170	75	ug/l			Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	1000	75	ug/l		D	Sauget Area 2 2002
GM-10C	02-Feb-00	360	75	ug/L			Krummrich 1999 & 2000 Data
GM-27B	10-May-00	1000	75	ug/L	U		Krummrich 1999 & 2000 Data
GM-27C	10-May-00	100	75	ug/L	U		Krummrich 1999 & 2000 Data
GM-56C	11-May-00	500	75	ug/L	U		Krummrich 1999 & 2000 Data
GM-60C	09-May-00	790	75	ug/L			Krummrich 1999 & 2000 Data
MW-5C	28-Jan-00	250	75	ug/L			Krummrich 1999 & 2000 Data
MW-7C	25-Jan-00	2800	75	ug/L			Krummrich 1999 & 2000 Data
AA-GWM-S1-120	17-Jul-02	180	75	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	93	75	ug/l			Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	120	75	ug/l			Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	180	75	ug/l			Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	360	75	ug/l	E		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	120	75	ug/l			Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	190	75	ug/l			Krummrich 2002 Profiling
TRA4-GPC119	30-Jun-03	280	75	ug/l	D		Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	140	75	ug/l			Krummrich CA-750 Profiling
GM-17C	05-Aug-03	240	75	ug/l	D		Krummrich Well Sampling
MW-7C	06-Aug-03	970	75	ug/l	D		Krummrich Well Sampling
AA-H-S1-83-87FT	13-Mar-00	2400	75	ug/l dw	D		Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	810	75	ug/l	D		Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	6900	75	ug/l			Sauget Area 1
AA-I-S1-87-91FTFD	21-Dec-99	5800	75	ug/l	D		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	9700	75	ug/l			Sauget Area 1
AA-I-S2-86-90FT	13-Dec-99	610	75	ug/l	JD		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	5300	75	ug/l	JD		Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	1300	75	ug/l	JD		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	1000	75	ug/l	D		Sauget Area 1
AA-I-S3-84-88FT	09-Dec-99	1200	75	ug/l	D		Sauget Area 1
AA-I-S3-84-88FTFD	09-Dec-99	1500	75	ug/l	D		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	790	75	ug/l	D		Sauget Area 1
BR-G	01-May-00	210	75	ug/l			Sauget Area 1
BR-GFD	01-May-00	960	75	ug/l			Sauget Area 1
BR-I	25-Apr-00	51000	75	ug/l	D		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

75 — MCL/PRG VALVE

DEEP 81–120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.0700 1
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,4 Dichlorobenzene (Deep)
	FIG. NO. 1

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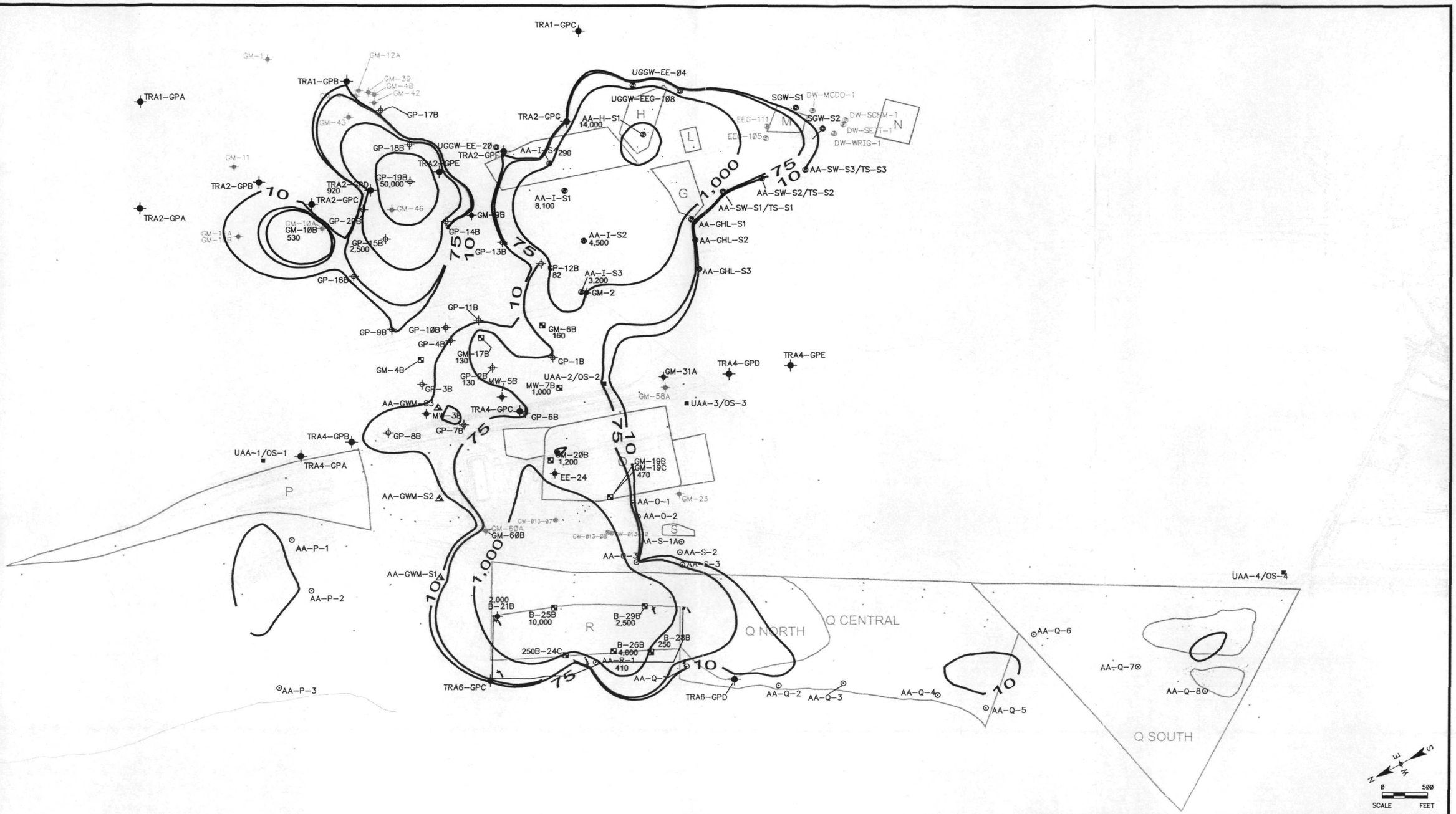


LEGEND

100 — CONCENTRATION CONTOUR (ppb)

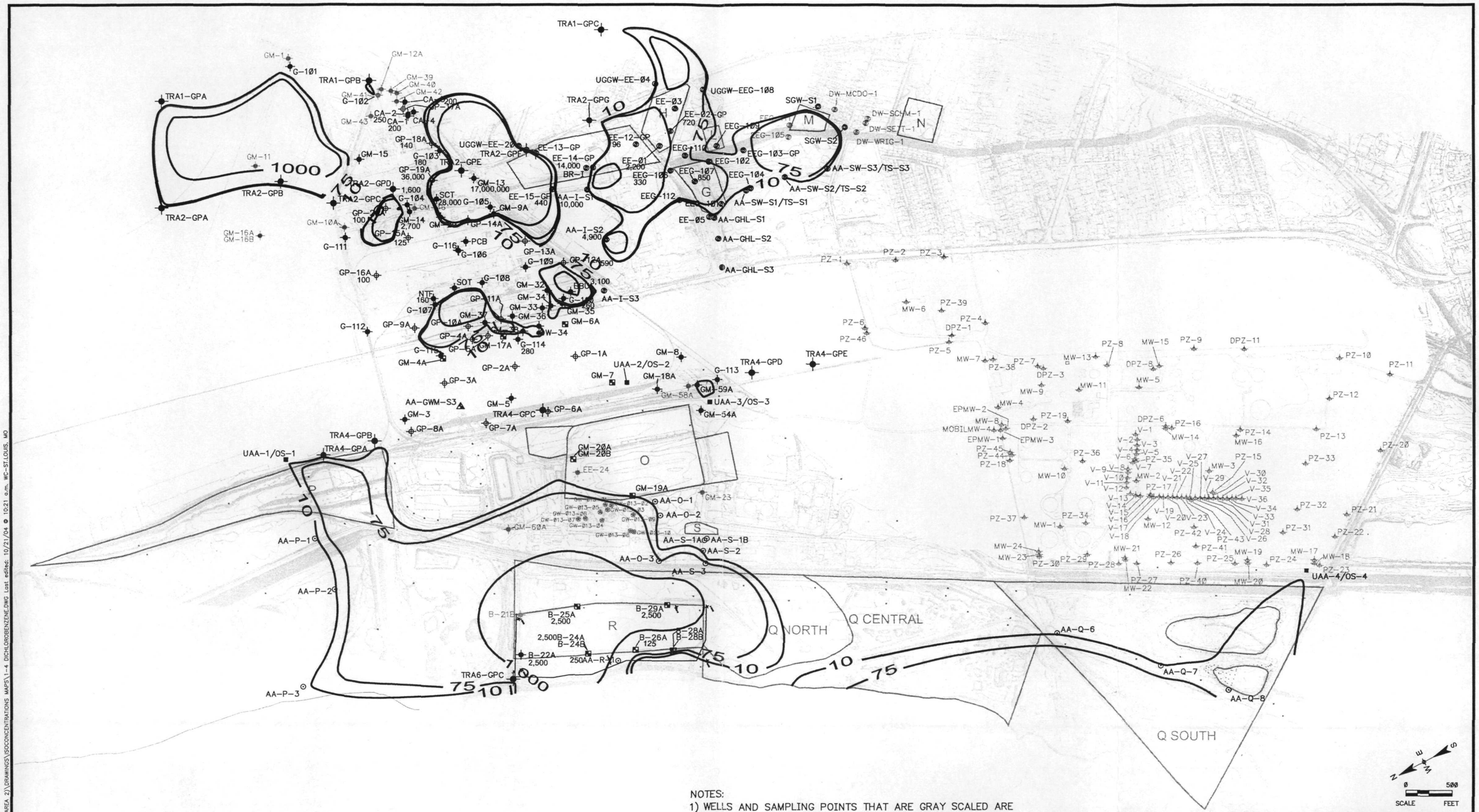
—75— MCL/PRG VALVE

MEDIUM 41–80FT BGS

NOTE:
WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,4 Dichlorobenzene (Medium)	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\1-4 DICHLOROBENZENE.DWG Last edited: 10/21/04 @ 3:13 p.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 75 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,4 Dichlorobenzene (Shallow)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\SOCONCENTRATIONS MAPS\1-4 DICHLOROBENZENE.DWG Last edited: 10/21/04 @ 10:21 a.m. WC-ST.LOUIS, MO

Table 5A
Vinyl Chloride Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-24	25-Jul-02	2.5	2	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34	25-Jul-02	50	2	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	50	2	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	5	2	ug/l		U	Sauget Area 2 2002
GW-013-05	5-Jun-01	2100	2	ug/L	J		Clayton Chemical
GW-013-06	5-Jun-01	5	2	ug/L	J		Clayton Chemical
G113	13-May-99	3	2	ug/L	J		Krummrich 1999 & 2000 Data
TRA1-GPA23	20-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB21	1-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC15	7-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC15-D	7-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA25	25-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB25	22-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC25	26-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD21	2-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE21'	25-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF15	16-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG15	17-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA15	9-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA36	9-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB29	10-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC21	27-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD28	29-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD28D	29-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE27	30-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC24	21-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
B-28A	14-Aug-03	25	2	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	1250	2	ug/l	U		Krummrich Well Sampling
GM-19A	8-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
GM-20A	11-Aug-03	10	2	ug/l	U		Krummrich Well Sampling
GM-4A	6-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
GM-6A	5-Aug-03	250	2	ug/l	U		Krummrich Well Sampling
GM-7	28-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
AA-GHL-S1-12-16FT	16-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-22-26FT	17-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-22-26FTFD	17-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-32-36FT	18-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-12-16FT	18-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-22-26FT	18-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-32-36FT	19-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-20-24FT	14-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-30-34FT	15-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-30-34FTFD	15-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-I-S1-17-21FT	14-Dec-99	970	2	ug/l			Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	500	2	ug/l	U		Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	500	2	ug/l	U		Sauget Area 1
AA-I-S2-16-20FT	3-Dec-99	160	2	ug/l			Sauget Area 1
AA-I-S2-26-30FT	6-Dec-99	240	2	ug/l			Sauget Area 1
AA-I-S2-36-40FT	7-Dec-99	500	2	ug/l	U		Sauget Area 1
AA-I-S3-24-28FT	3-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-I-S3-34-38FT	6-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-14-16FT	1-Nov-99	5	2	ug/l	U		Sauget Area 1

Table 5A
Vinyl Chloride Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-SW-S1-24-26FT	2-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-34-36FT	2-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-14-16FT	9-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-22-26FT	9-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-32-36FT	9-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-14-16FT	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-22-26FT	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-32-36FT	11-Nov-99	5	2	ug/l	U		Sauget Area 1
EE-01	12-Oct-99	100	2	ug/l	U		Sauget Area 1
EE-02-GP	4-Nov-99	250	2	ug/l	U		Sauget Area 1
EE-02-GPFD	4-Nov-99	500	2	ug/l	U		Sauget Area 1
EE-03	12-Oct-99	5	2	ug/l	U		Sauget Area 1
EE-05	13-Oct-99	50	2	ug/l	U		Sauget Area 1
EE-12-GP	5-Nov-99	25	2	ug/l	U		Sauget Area 1
EE-13-GP	4-Nov-99	5	2	ug/l	U		Sauget Area 1
EE-14-GP	5-Nov-99	125	2	ug/l	U		Sauget Area 1
EE-15-GP	8-Nov-99	10	2	ug/l	U		Sauget Area 1
EE-15-GPFD	8-Nov-99	10	2	ug/l	U		Sauget Area 1
EEG-101	8-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-102	7-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-103-GP	3-Nov-99	5	2	ug/l	U		Sauget Area 1
EEG-104	8-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-106	7-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-107	7-Oct-99	41	2	ug/l	J		Sauget Area 1
EEG-109	11-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-110	11-Oct-99	5	2	ug/l	U		Sauget Area 1
EEG-112	8-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S1-15FT	14-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S1-20FT	14-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S2-15FT	15-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S2-20FT	15-Oct-99	5	2	ug/l	U		Sauget Area 1
TS-S1-0HR	29-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S1-12HR	29-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S1-12HRFD	29-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S1-24HR	30-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S2-0HR	29-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S2-12HR	29-Mar-00	5	2	ug/l	U		Sauget Area 1
TS-S2-24HR	30-Mar-00	5	2	ug/l	U		Sauget Area 1
UGGW-EE-04	13-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EE-04FD	13-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EE-20	18-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EEG-108	11-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EEG-108FD	11-Oct-99	5	2	ug/l	U		Sauget Area 1

Table 5B
Vinyl Chloride Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-56	18-Jun-02	2.5	2	ug/l			Sauget Area 2 2002
GW-AA-O-1-66	9-Jul-02	2	2	ug/l			Sauget Area 2 2002
GW-AA-O-1-76	9-Jul-02	5.4	2	ug/l			Sauget Area 2 2002
GW-AA-Q-6-44	25-Jul-02	2.5	2	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-44	31-Jul-02	3.8	2	ug/l			Sauget Area 2 2002
GW-AA-Q-8-54	31-Jul-02	2.6	2	ug/l			Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	160	2	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	150	2	ug/l			Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	220	2	ug/l			Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	23	2	ug/l		J	Sauget Area 2 2002
GW-UAA-2-40FT	19-Jun-02	2.1	2	ug/l			Sauget Area 2 2002
GW-UAA-2-50FT	19-Jun-02	29	2	ug/l			Sauget Area 2 2002
GW-UAA-2-60FT	20-Jun-02	32	2	ug/l			Sauget Area 2 2002
GW-UAA-2-70FT	20-Jun-02	46	2	ug/l			Sauget Area 2 2002
GM-10B	2-Feb-00	100	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-17B	31-Jan-00	10	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	1-Feb-00	62	2	ug/L			Krummrich 1999 & 2000 Data
GM-20B-DUP	1-Feb-00	51	2	ug/L			Krummrich 1999 & 2000 Data
GM-4B	26-Jan-00	25	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	2000	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	1250	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-9B	1-Feb-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-10B	28-Jan-00	10	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-11B	28-Jan-00	200	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	350	2	ug/L			Krummrich 1999 & 2000 Data
GP-13B	31-Jan-00	44	2	ug/L			Krummrich 1999 & 2000 Data
GP-14B	1-Feb-00	20	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-15B	1-Feb-00	1000	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-16B	1-Feb-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-17B	2-Feb-00	500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-18B	3-Feb-00	200	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-19B	3-Feb-00	2500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-1B	25-Jan-00	500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-20B	3-Feb-00	50	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	12500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-3B	26-Jan-00	12500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-4B	26-Jan-00	12500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-6B	27-Jan-00	25	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-7B	27-Jan-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-8B	27-Jan-00	2500	2	ug/L	U		Krummrich 1999 & 2000 Data
GP-9B	28-Jan-00	125	2	ug/L	U		Krummrich 1999 & 2000 Data
MW-3B	27-Jan-00	1000	2	ug/L	U		Krummrich 1999 & 2000 Data
MW-5B	28-Jan-00	10000	2	ug/L	U		Krummrich 1999 & 2000 Data
MW-7B	25-Jan-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S3-40	24-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
TRA1-GPA43	20-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPA77	21-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB43	1-Jul-03	60	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB73	1-Jul-03	60	2	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC44	7-Jul-03	5	2	ug/l	U		Krummrich CA-750 Profiling

Table 5B
Vinyl Chloride Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
TRA1-GPC74	7-Jul-03	5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA45	25-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA71	25-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB45	22-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB45-D	22-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB70	22-Aug-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC43	26-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC43D	26-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	60	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	12.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD72	2-Jul-03	25	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE72'	25-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF42	16-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF58	16-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF58D	16-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG43	17-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG73	17-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA66	9-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB49	10-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB76	11-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC43	27-Jun-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	250	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD48	29-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD78	29-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE49	30-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE79	31-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE79D	31-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC65	22-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD55	25-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	25	2	ug/l	U		Krummrich Well Sampling
B-29B	14-Aug-03	50	2	ug/l	U		Krummrich Well Sampling
GM-17B	4-Aug-03	60	2	ug/l	U		Krummrich Well Sampling
GM-19B	8-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
GM-19C	8-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
GM-19C-D	8-Aug-03	2.5	2	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	250	2	ug/l	U		Krummrich Well Sampling
GM-4B	6-Aug-03	50	2	ug/l	U		Krummrich Well Sampling
GM-6B	5-Aug-03	125	2	ug/l	U		Krummrich Well Sampling
MW-7B	6-Aug-03	250	2	ug/l	U		Krummrich Well Sampling
AA-GHL-S1-42-46FT	18-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-52-56FT	19-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-62-66FT	29-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-72-76FT	30-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-42-46FT	19-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-52-56FT	29-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-62-66FT	30-Nov-99	7.5	2	ug/l	J		Sauget Area 1
AA-GHL-S2-62-66FTFD	30-Nov-99	7.1	2	ug/l	J		Sauget Area 1
AA-GHL-S2-72-76FT	30-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-40-44FT	15-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-50-54FT	16-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-60-64FT	16-Dec-99	5	2	ug/l	U		Sauget Area 1

Table 5B
Vinyl Chloride Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-GHL-S3-70-74FT	17-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-90-94FT	20-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-H-S1-53-57FT	10-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-H-S1-63-67FT	10-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-H-S1-73-77FT	13-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-H-S1-73-77FTFD	13-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	320	2	ug/l			Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	500	2	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	25	2	ug/l	U		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	1000	2	ug/l	U		Sauget Area 1
AA-I-S2-46-50FT	7-Dec-99	500	2	ug/l	U		Sauget Area 1
AA-I-S2-56-60FT	8-Dec-99	100	2	ug/l	U		Sauget Area 1
AA-I-S2-66-70FT	8-Dec-99	17	2	ug/l	J		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	100	2	ug/l	U		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	100	2	ug/l	U		Sauget Area 1
AA-I-S3-44-48FT	6-Dec-99	5	2	ug/l	J		Sauget Area 1
AA-I-S3-54-58FT	7-Dec-99	39	2	ug/l	J		Sauget Area 1
AA-I-S3-64-68FT	7-Dec-99	190	2	ug/l			Sauget Area 1
AA-I-S3-74-78FT	8-Dec-99	130	2	ug/l			Sauget Area 1
AA-I-S4-56-60FT	7-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S4-56-60FTFD	7-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S4-66-70FT	7-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S4-76-80FT	8-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-42-46FT	3-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-52-56FT	3-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-62-66FT	4-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-72-76FT	4-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-42-46FT	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-52-56FT	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-62-66FT	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-62-66FTFD	10-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-72-76FT	11-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-42-46FT	11-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-52-56FT	12-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-62-66FT	12-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-72-76FT	15-Nov-99	5	2	ug/l	U		Sauget Area 1
SGW-S1-40FT	14-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S1-40FTFD	14-Oct-99	5	2	ug/l	U		Sauget Area 1
SGW-S2-40FT	15-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EE-04-60FT	13-Oct-99	5	2	ug/l	U		Sauget Area 1
UGGW-EE-20-60FT	24-Jan-00	5	2	ug/l	U		Sauget Area 1
UGGW-EEG-108-60FT	28-Jan-00	5	2	ug/l	U		Sauget Area 1

Table 5C
Vinyl Chloride Exceedances
Deep
Sauget Area 2

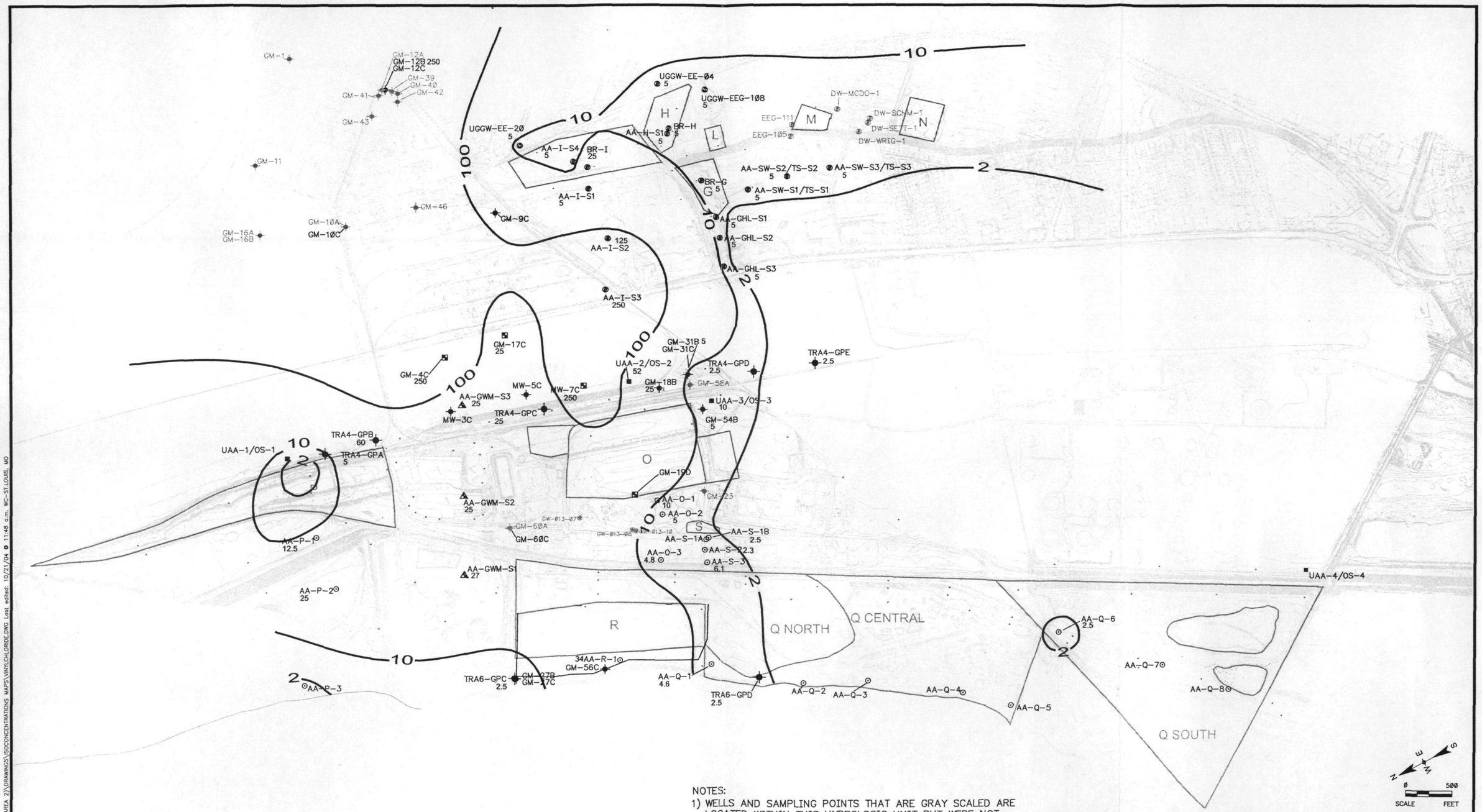
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	5	2	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	2	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-120	10-Jul-02	2.2	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-1-86	9-Jul-02	3.8	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-1-96	9-Jul-02	10	2	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-103FT	25-Jun-02	2.9	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	5	2	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-121FT	25-Jun-02	3.5	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-2-83FT	24-Jun-02	4.9	2	ug/l			Sauget Area 2 2002
GW-AA-O-2-93FT	24-Jun-02	3.5	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-3-108FT	26-Jun-02	2.5	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-3-128	18-Jul-02	3.4	2	ug/l		J	Sauget Area 2 2002
GW-AA-O-3-88FT	26-Jun-02	3.8	2	ug/l			Sauget Area 2 2002
GW-AA-O-3-98FT	26-Jun-02	4.8	2	ug/l			Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	12.5	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	12.5	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	5	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-104	6-Aug-02	25	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114	7-Aug-02	25	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114-DUP	7-Aug-02	25	2	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122	7-Aug-02	10	2	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-110	30-Jul-02	3.2	2	ug/l			Sauget Area 2 2002
GW-AA-Q-1-120	30-Jul-02	2.9	2	ug/l			Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	4.6	2	ug/l		J	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	4.5	2	ug/l		J	Sauget Area 2 2002
GW-AA-Q-6-84	29-Jul-02	2.5	2	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	34	2	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	31	2	ug/l			Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	4.5	2	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	10	2	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	13	2	ug/l			Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	10	2	ug/l			Sauget Area 2 2002
GW-AA-S-1-124	15-Jul-02	2.5	2	ug/l			Sauget Area 2 2002
GW-AA-S-2-118 1/2	17-Jul-02	2.3	2	ug/l			Sauget Area 2 2002
GW-AA-S-3-114FT	2-Jul-02	2	2	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-132FT	2-Jul-02	6.1	2	ug/l			Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	7.2	2	ug/l		J	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	9.5	2	ug/l		J	Sauget Area 2 2002
GW-UAA-2-120FT	21-Jun-02	2.5	2	ug/l		U	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	6.5	2	ug/l		J	Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	52	2	ug/l			Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	10	2	ug/l		J	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	10	2	ug/l		U	Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	2.5	2	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	5	2	ug/l		U	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	10	2	ug/l		U	Sauget Area 2 2002
GM-12B	2-Feb-00	250	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-18B	28-Jan-00	25	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-31B	28-Jan-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
GM-54B	1-Feb-00	5	2	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	12.5	2	ug/l	U		Krummrich 2002 Profiling

Table 5C
Vinyl Chloride Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-GWM-S1-120	17-Jul-02	27	2	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	27	2	ug/l			Krummrich 2002 Profiling
AA-GWM-S1-80	16-Jul-02	2.5	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	12.5	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	12.5	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	12.5	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	25	2	ug/l	U		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	60	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	25	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD119	30-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE114	31-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC121	23-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD114.5	28-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD85	28-Jul-03	2.5	2	ug/l	U		Krummrich CA-750 Profiling
GM-17C	5-Aug-03	25	2	ug/l	U		Krummrich Well Sampling
GM-4C	6-Aug-03	250	2	ug/l	U		Krummrich Well Sampling
MW-7C	6-Aug-03	250	2	ug/l	U		Krummrich Well Sampling
AA-GHL-S1-102-106FT	1-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-107-111FT	2-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-82-86FT	30-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-92-96FT	1-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S1-92-96FTFD	1-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-82-86FT	1-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-92-96FT	2-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S2-99-103FT	2-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-100-104FT	20-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-110-114FT	21-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-GHL-S3-80-84FT	17-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-H-S1-101-105FT	16-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-H-S1-83-87FT	13-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-I-S1-87-91FTFD	21-Dec-99	5	2	ug/l	U		Sauget Area 1
AA-I-S2-86-90FT	13-Dec-99	125	2	ug/l	U		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	125	2	ug/l	U		Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	125	2	ug/l	U		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	25	2	ug/l	U		Sauget Area 1
AA-I-S3-84-88FT	9-Dec-99	43	2	ug/l	J		Sauget Area 1
AA-I-S3-84-88FTFD	9-Dec-99	42	2	ug/l	J		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	250	2	ug/l	U		Sauget Area 1
AA-I-S4-86-90FT	8-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-I-S4-96-100FT	9-Mar-00	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-101-104FT	8-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-101-104FTFD	8-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-82-86FT	5-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S1-91-95FT	5-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-102-106FT	15-Nov-99	5	2	ug/l	U		Sauget Area 1

Table 5C
Vinyl Chloride Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
AA-SW-S2-82-86FT	11-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S2-92-96FT	12-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-82-86FT	15-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-92-96FT	16-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-96-99FT	17-Nov-99	5	2	ug/l	U		Sauget Area 1
AA-SW-S3-96-99FTFD	17-Nov-99	5	2	ug/l	U		Sauget Area 1
BR-G	1-May-00	5	2	ug/l	U		Sauget Area 1
BR-GFD	1-May-00	5	2	ug/l	U		Sauget Area 1
BR-H	1-May-00	5	2	ug/l	U		Sauget Area 1
BR-I	25-Apr-00	25	2	ug/l	U		Sauget Area 1
UGGW-EE-04-100FT	27-Jan-00	5	2	ug/l	U		Sauget Area 1
UGGW-EE-04-100FTFD	27-Jan-00	5	2	ug/l	U		Sauget Area 1
UGGW-EE-20-100FT	25-Jan-00	5	2	ug/l	U		Sauget Area 1
UGGW-EEG-108-100FT	31-Jan-00	5	2	ug/l	U		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

2 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Vinylchloride (Deep)
	FIG. NO. 1

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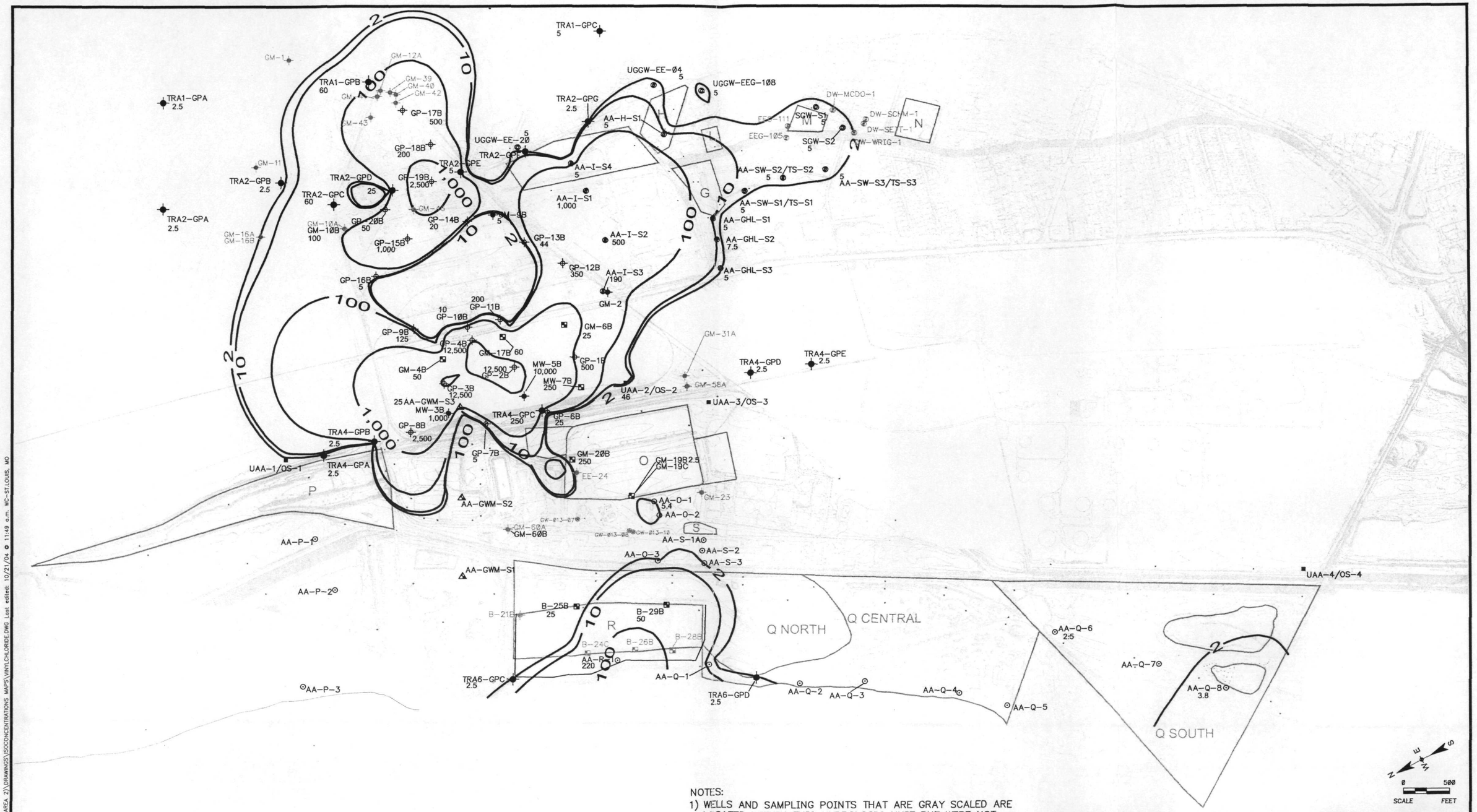

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 2 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Vinylchloride (Medium)	FIG. NO. 1

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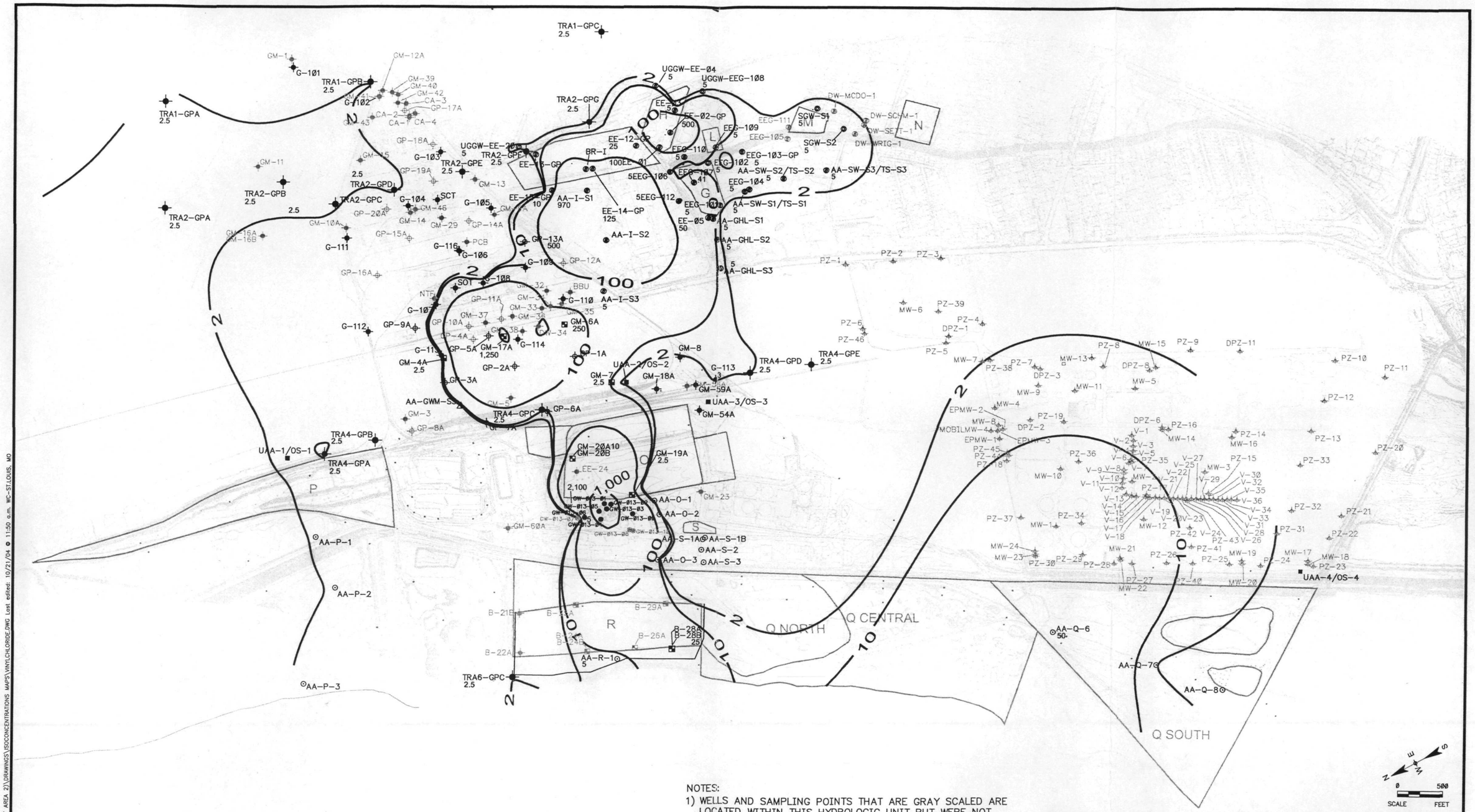

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

2 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Vinylchloride (Shallow)
	FIG. NO. 1

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Table 6A
Arsenic Exceedances
Shallow
Sauget Area 2

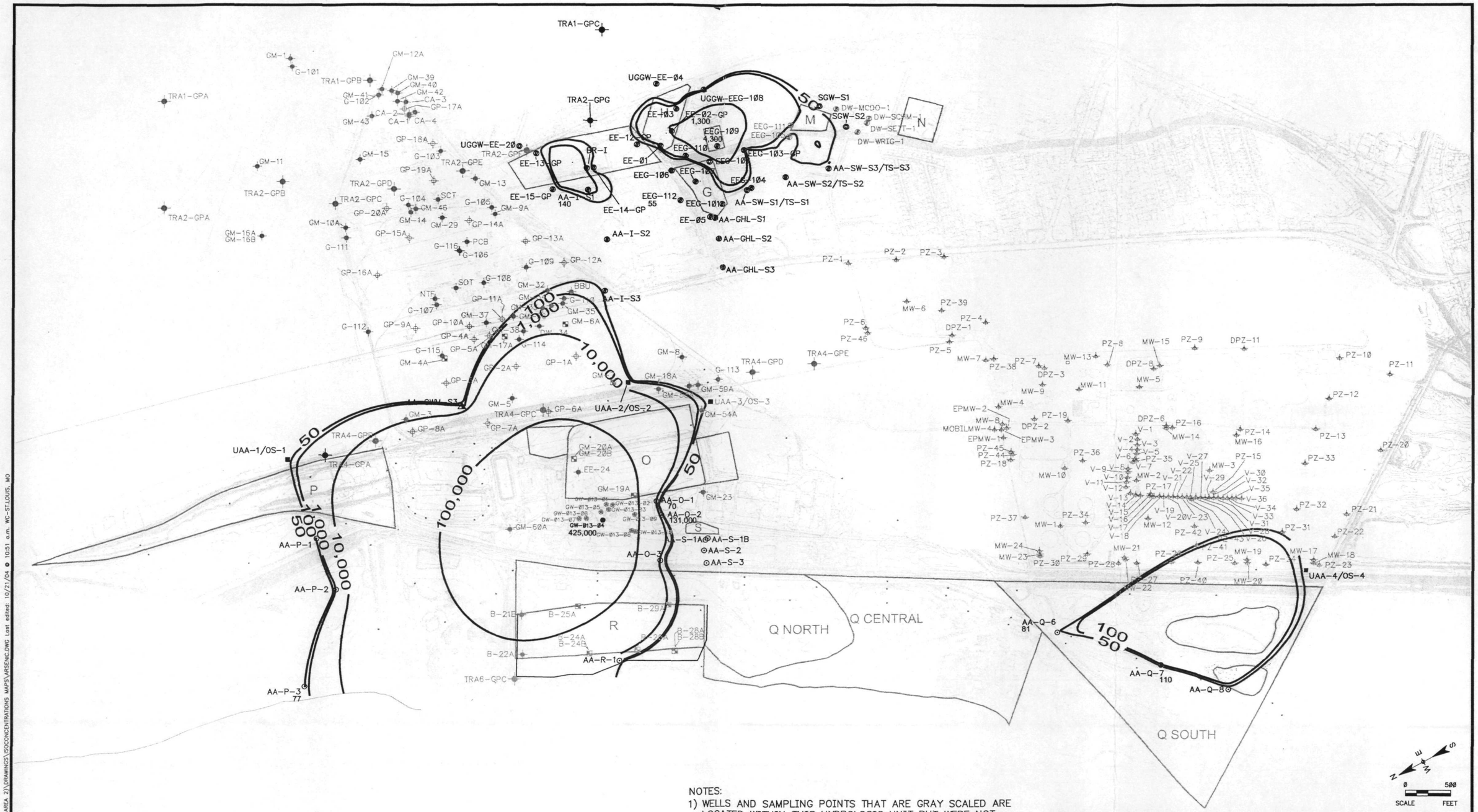
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-16	18-Jun-02	70	50	ug/L			Sauget Area 2 2002
GW-AA-P-3-32	07-Aug-02	77	50	ug/L			Sauget Area 2 2002
GW-AA-Q-6-24	25-Jul-02	81	50	ug/L			Sauget Area 2 2002
GW-AA-Q-6-24-DUP	25-Jul-02	77	50	ug/L			Sauget Area 2 2002
GW-AA-Q-6-24-DUP-Filter	25-Jul-02	78	50	ug/L			Sauget Area 2 2002
GW-AA-Q-6-24-Filter	25-Jul-02	74	50	ug/L			Sauget Area 2 2002
GW-AA-Q-7-24	24-Jul-02	110	50	ug/L			Sauget Area 2 2002
GW-013-04	05-Jun-01	425000	50	ug/L	B		Clayton Chemical
GW-013-09	05-Jun-01	131000	50	ug/L	B		Clayton Chemical
AA-I-S1-17-21FT	14-Dec-99	140	50	ug/L			Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	68	50	ug/L			Sauget Area 1
EE-02-GP	04-Nov-99	1200	50	ug/L			Sauget Area 1
EE-02-GPFD	04-Nov-99	1300	50	ug/L			Sauget Area 1
EEG-109	11-Oct-99	4300	50	ug/L			Sauget Area 1
EEG-112	08-Oct-99	55	50	ug/L	J		Sauget Area 1

Table 6B
Arsenic Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-56	18-Jun-02	57	50	ug/L			Sauget Area 2 2002
GW-AA-Q-1-50	29-Jul-02	130	50	ug/L			Sauget Area 2 2002
GW-AA-Q-3-50	02-Aug-02	54	50	ug/L			Sauget Area 2 2002
GW-AA-Q-4-50	05-Aug-02	50	50	ug/L			Sauget Area 2 2002
GW-AA-Q-5-45	07-Aug-02	76	50	ug/L			Sauget Area 2 2002
GW-AA-Q-5-45-Filtered	07-Aug-02	76	50	ug/L			Sauget Area 2 2002
AA-GWM-S2-40	22-Jul-02	170	50	ug/L			Krummrich 2002 Profiling
AA-H-S1-53-57FT	10-Mar-00	330	50	ug/L			Sauget Area 1
AA-H-S1-63-67FT	10-Mar-00	390	50	ug/L			Sauget Area 1
AA-H-S1-73-77FT	13-Mar-00	95	50	ug/L			Sauget Area 1
AA-H-S1-73-77FTFD	13-Mar-00	97	50	ug/L			Sauget Area 1

Table 6C
Arsenic Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-2-124	08-Jul-02	87	50	ug/L			Sauget Area 2 2002
AA-H-S1-101-105FT	16-Mar-00	590	50	ug/L			Sauget Area 1
AA-H-S1-83-87FT	13-Mar-00	310	50	ug/L			Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	84	50	ug/L			Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 50 — MCL/PRG VALVE

SHALLOW Ø-4ØFT BGS

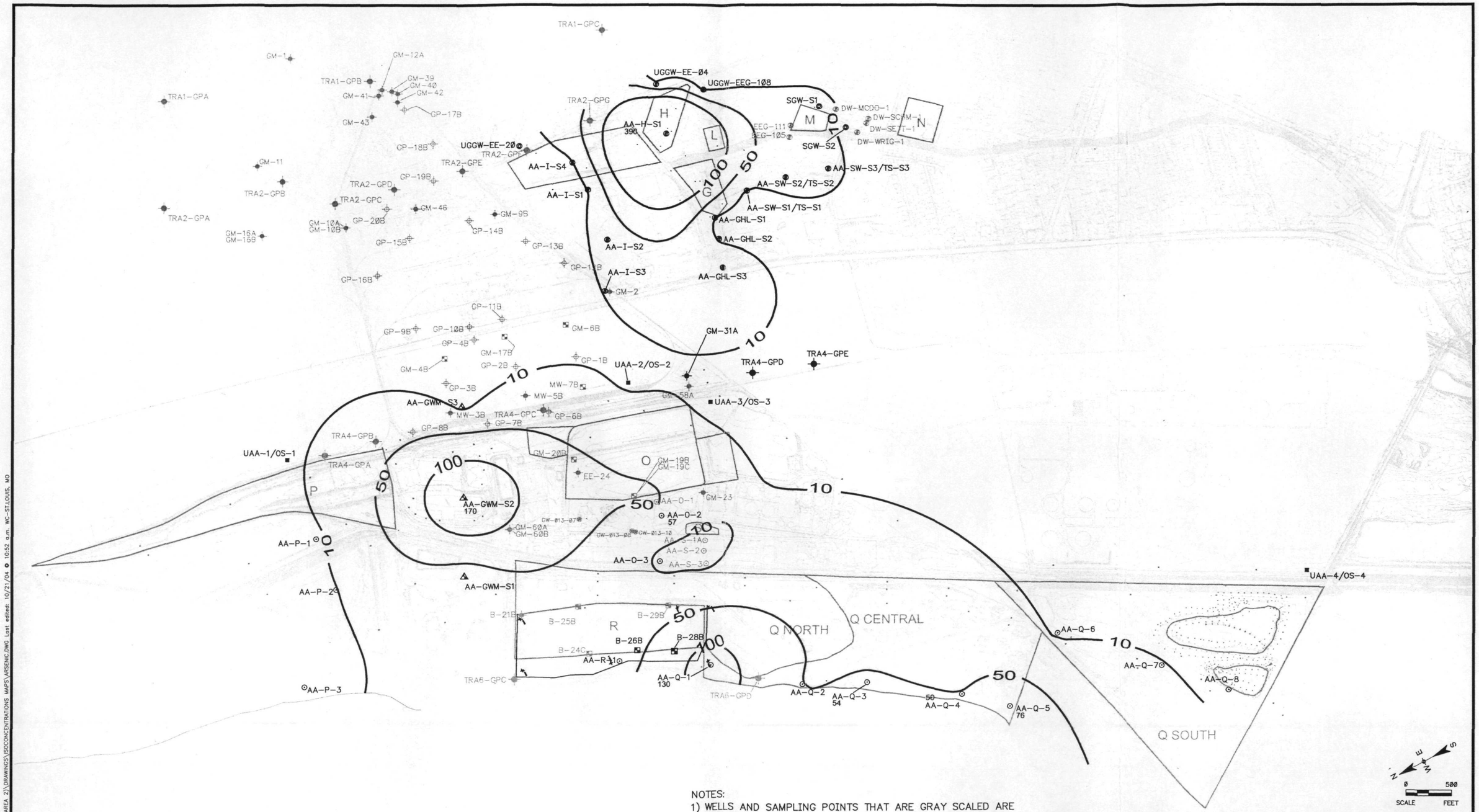
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Arsenic (Shallow)	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\ARSENIC.DWG Last edited: 10/21/04 @ 10:51 a.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

50 — MCL/PRG VALVE

MEDIUM 41-8ØFT BGS

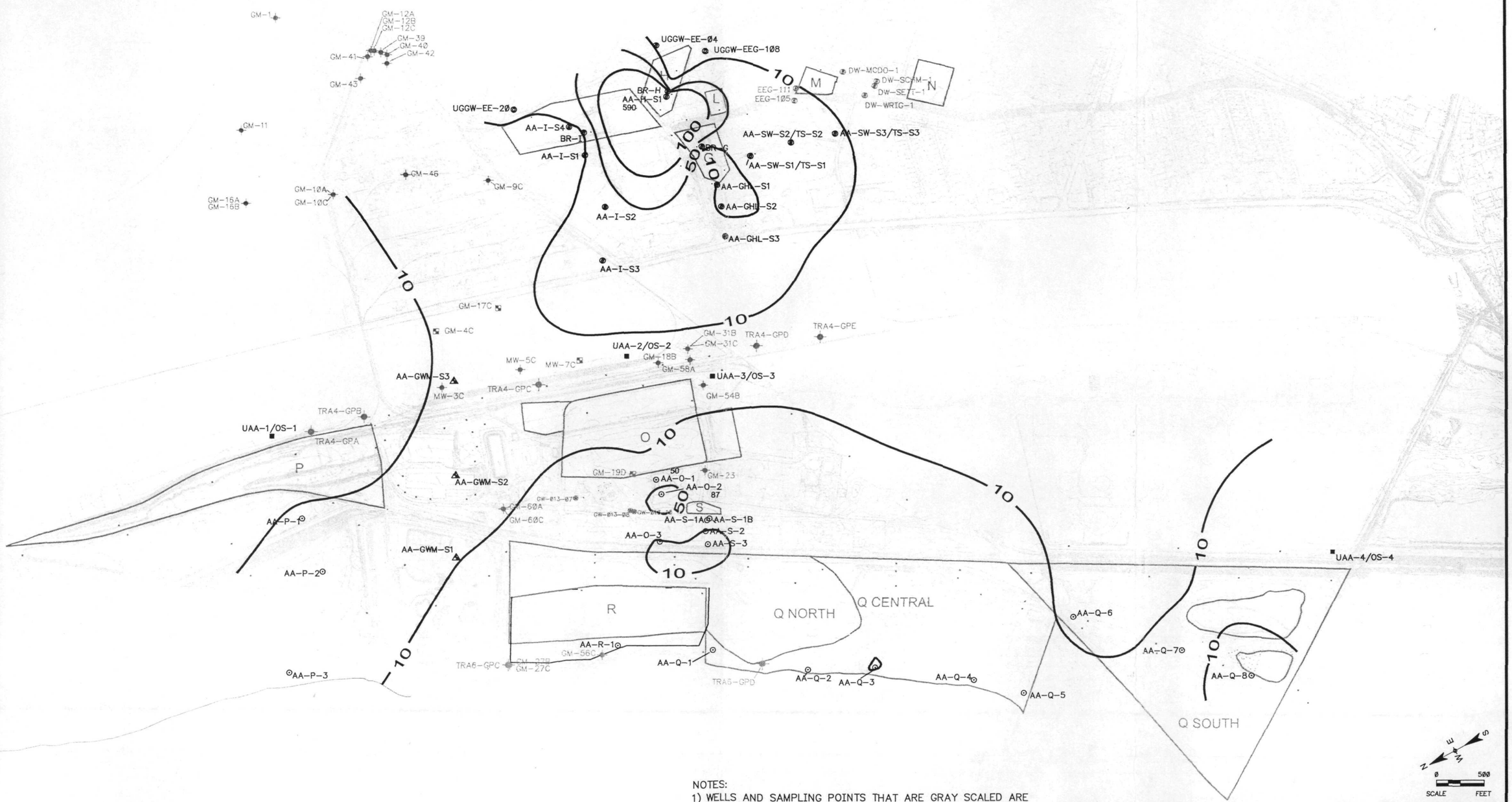
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 2156Ø888.Ø7ØØ1
URS	
DRN. BY: djd 1Ø/7/Ø4 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Arsenic (Medium)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\ARSENIC.DWG Last edited: 10/21/04 @ 10:52 a.m. WC-STLOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 50 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Arsenic (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\ARSENIC.DWG Last edited: 10/21/04 @ 10:53 a.m. WC-ST.LOUIS, MO

Table 7A
Trichloroethene Exceedances
Shallow
Sauget Area 2

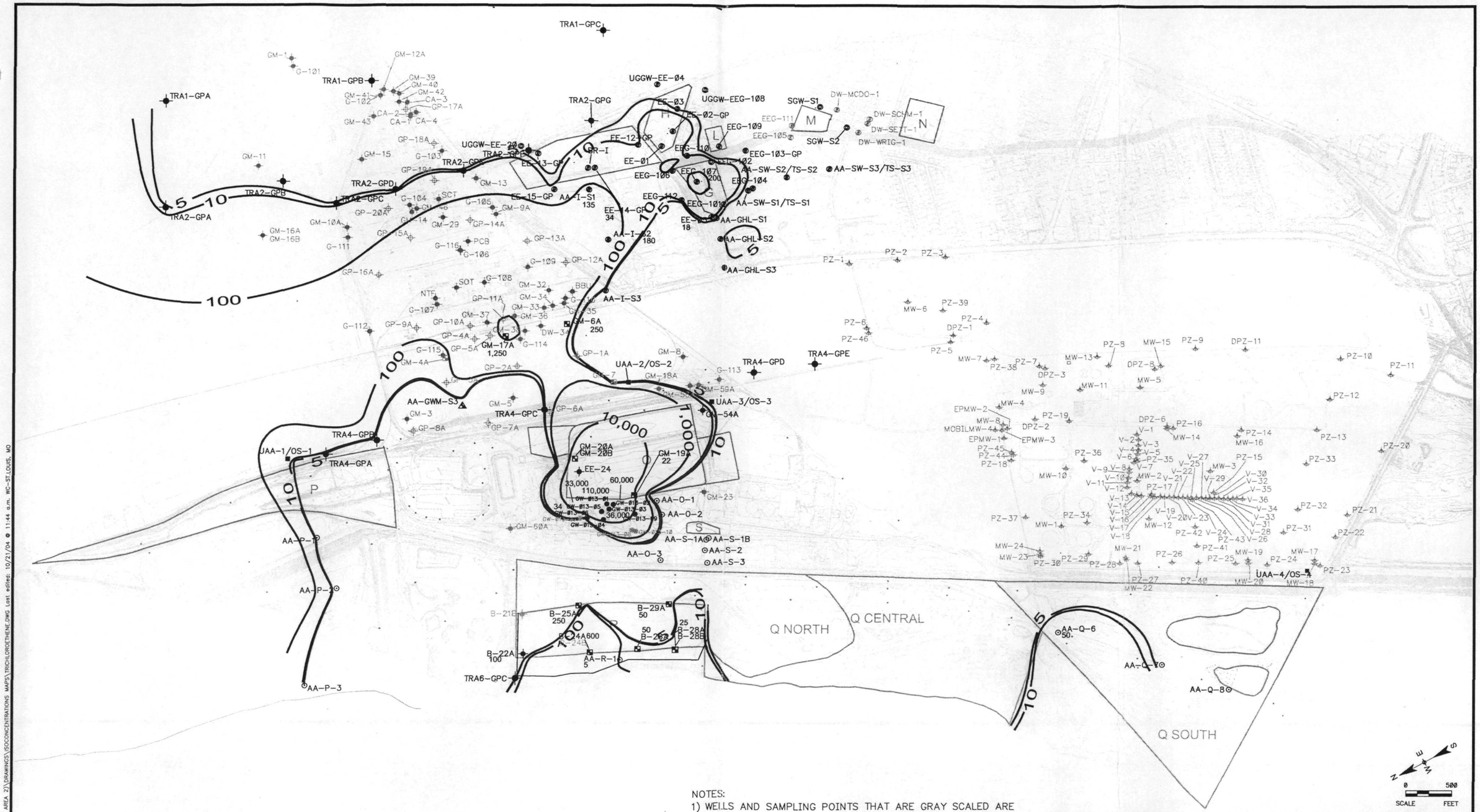
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-34	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-013-01	5-Jun-01	110000	5	ug/L			Clayton Chemical
GW-013-02	5-Jun-01	60000	5	ug/L			Clayton Chemical
GW-013-03	5-Jun-01	36000	5	ug/L			Clayton Chemical
GW-013-05	5-Jun-01	33000	5	ug/L			Clayton Chemical
GW-013-06	5-Jun-01	34	5	ug/L	J		Clayton Chemical
B-22A	10-May-00	100	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	600	5	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	10-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-19A	9-May-00	6.9	5	ug/L			Krummrich 1999 & 2000 Data
B-28A	14-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	1250	5	ug/l	U		Krummrich Well Sampling
GM-19A	8-Aug-03	22	5	ug/l			Krummrich Well Sampling
GM-20A	11-Aug-03	10	5	ug/l	U		Krummrich Well Sampling
GM-6A	5-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S1-17-21FT	14-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	135	5	ug/l	U		Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	135	5	ug/l	U		Sauget Area 1
AA-I-S2-16-20FT	3-Dec-99	180	5	ug/l			Sauget Area 1
AA-I-S2-26-30FT	6-Dec-99	27	5	ug/l	U		Sauget Area 1
AA-I-S2-36-40FT	7-Dec-99	135	5	ug/l	U		Sauget Area 1
EE-01	12-Oct-99	27	5	ug/l	U		Sauget Area 1
EE-02-GP	4-Nov-99	40	5	ug/l	J		Sauget Area 1
EE-02-GPFD	4-Nov-99	59	5	ug/l	J		Sauget Area 1
EE-05	13-Oct-99	18	5	ug/l	J		Sauget Area 1
EE-12-GP	5-Nov-99	7	5	ug/l	U		Sauget Area 1
EE-14-GP	5-Nov-99	34	5	ug/l	U		Sauget Area 1
EEG-107	7-Oct-99	200	5	ug/l			Sauget Area 1

Table 7B
Trichloroethene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-48	19-Jul-02	100	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	83	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	31	5	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	21	5	ug/l		J	Sauget Area 2 2002
GW-UAA-2-60FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-70FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
AA-GWM-S3-40	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA1-GPB43	1-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB73	1-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC44	7-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	7-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	12.5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD72	2-Jul-03	25	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	250	5	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	170	5	ug/l			Krummrich Well Sampling
B-29B	14-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-17B	4-Aug-03	60	5	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
GM-4B	6-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-6B	5-Aug-03	125	5	ug/l	U		Krummrich Well Sampling
MW-7B	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S1-47-51FT	16-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	135	5	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	7	5	ug/l	U		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	270	5	ug/l	U		Sauget Area 1
AA-I-S2-46-50FT	7-Dec-99	135	5	ug/l	U		Sauget Area 1
AA-I-S2-56-60FT	8-Dec-99	27	5	ug/l	U		Sauget Area 1
AA-I-S2-66-70FT	8-Dec-99	26	5	ug/l	J		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	27	5	ug/l	U		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	27	5	ug/l	U		Sauget Area 1
AA-I-S3-54-58FT	7-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S3-64-68FT	7-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S3-74-78FT	8-Dec-99	13.5	5	ug/l	U		Sauget Area 1

Table 7C
Trichloroethene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-96	9-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	16	5	ug/l			Sauget Area 2 2002
GW-AA-P-2-104	6-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114	7-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114-DUP	7-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122	7-Aug-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	17	5	ug/l		J	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
AA-GWM-S1-100	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	15	5	ug/l	J		Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	25	5	ug/l	U		Krummrich CA-750 Profiling
GM-17C	5-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-4C	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
MW-7C	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S2-86-90FT	13-Dec-99	34	5	ug/l	U		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	34	5	ug/l	U		Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	91	5	ug/l			Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	7	5	ug/l	U		Sauget Area 1
AA-I-S3-84-88FT	9-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S3-84-88FTFD	9-Dec-99	13.5	5	ug/l	U		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	70	5	ug/l	U		Sauget Area 1



LEGEND

—100— CONCENTRATION CONTOUR (ppb)

—5— MCL/PRG VALVE

SHALLOW Ø–4ØFT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.Ø7Ø1
URS	
DRN. BY: djd 1Ø/7/Ø4 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Trichloroethene (Shallow)
	FIG. NO. 1

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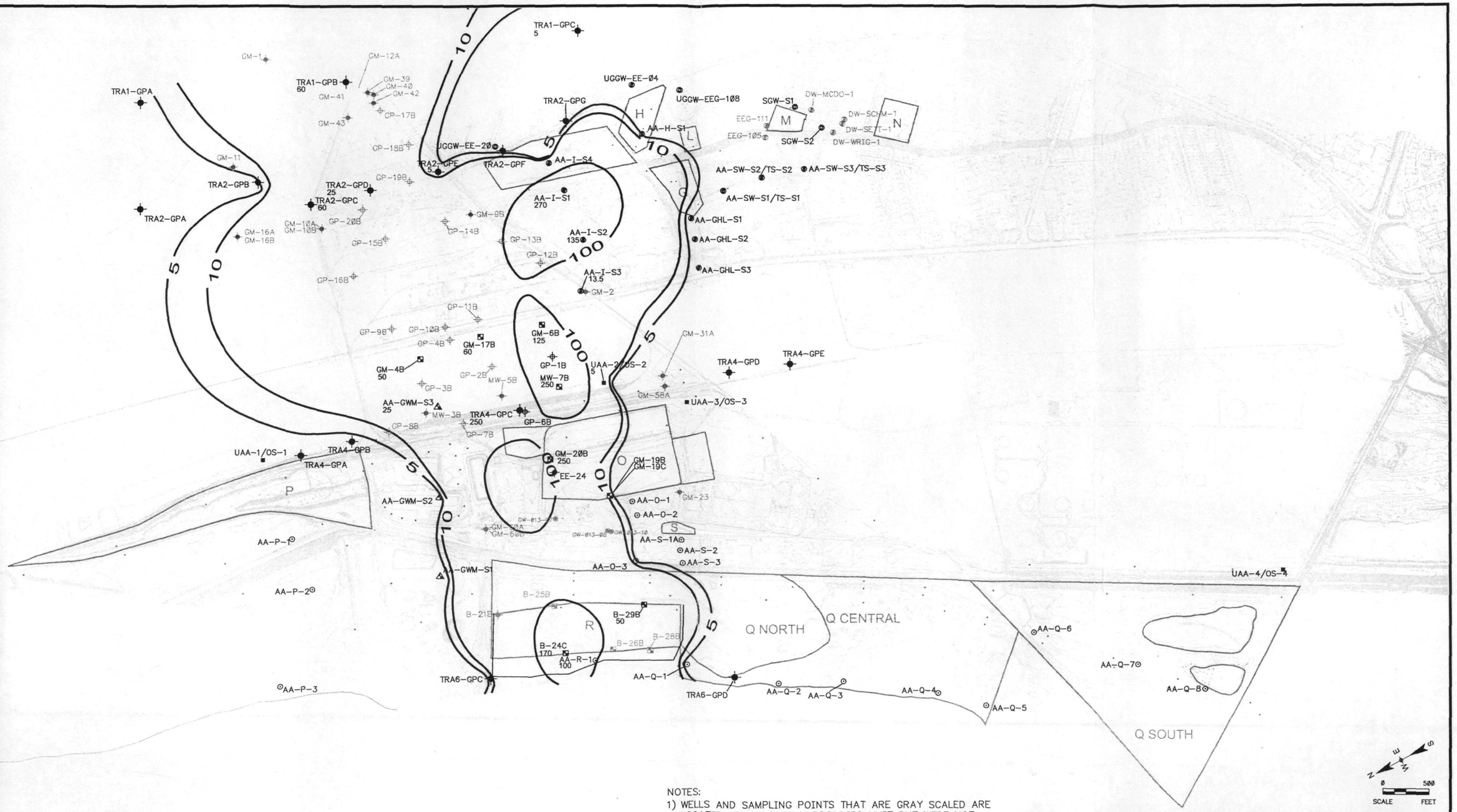

LEGEND

—100— CONCENTRATION CONTOUR (ppb)

—5— MCL/PRG VALVE

MEDIUM 41-80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Trichloroethene (Medium)
	FIG. NO. 1

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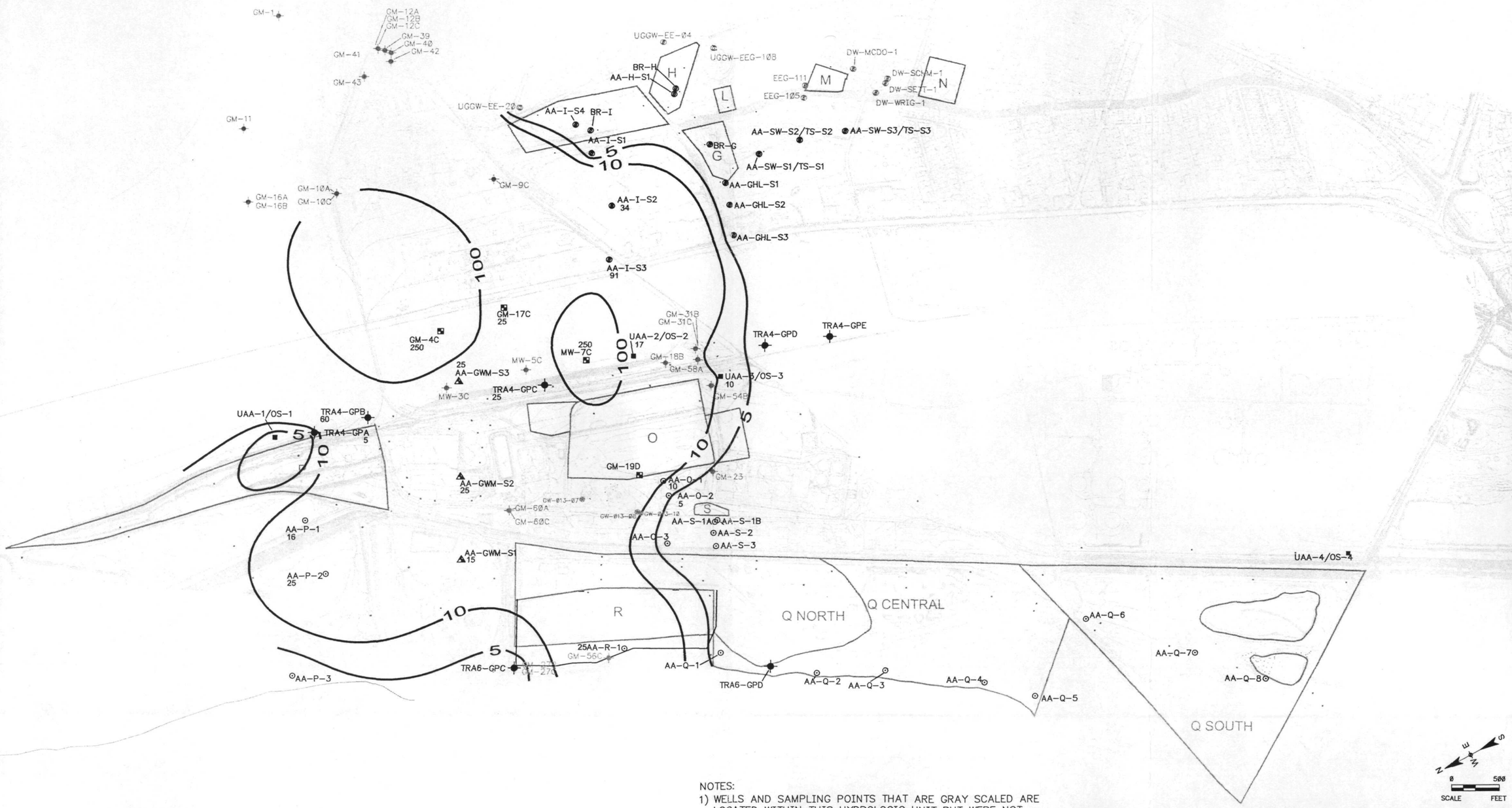


LEGEND

—100— CONCENTRATION CONTOUR (ppb)

—5— MCL/PRG VALVE

DEEP 81–120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Trichloroethene (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\TRICHLOROETHENE.DWG Last edited: 10/21/04 @ 11:46 a.m. WC-ST.LOUIS, MO

Table 8A
Tetrachloroethene Exceedances
Shallow
Sauget Area 2

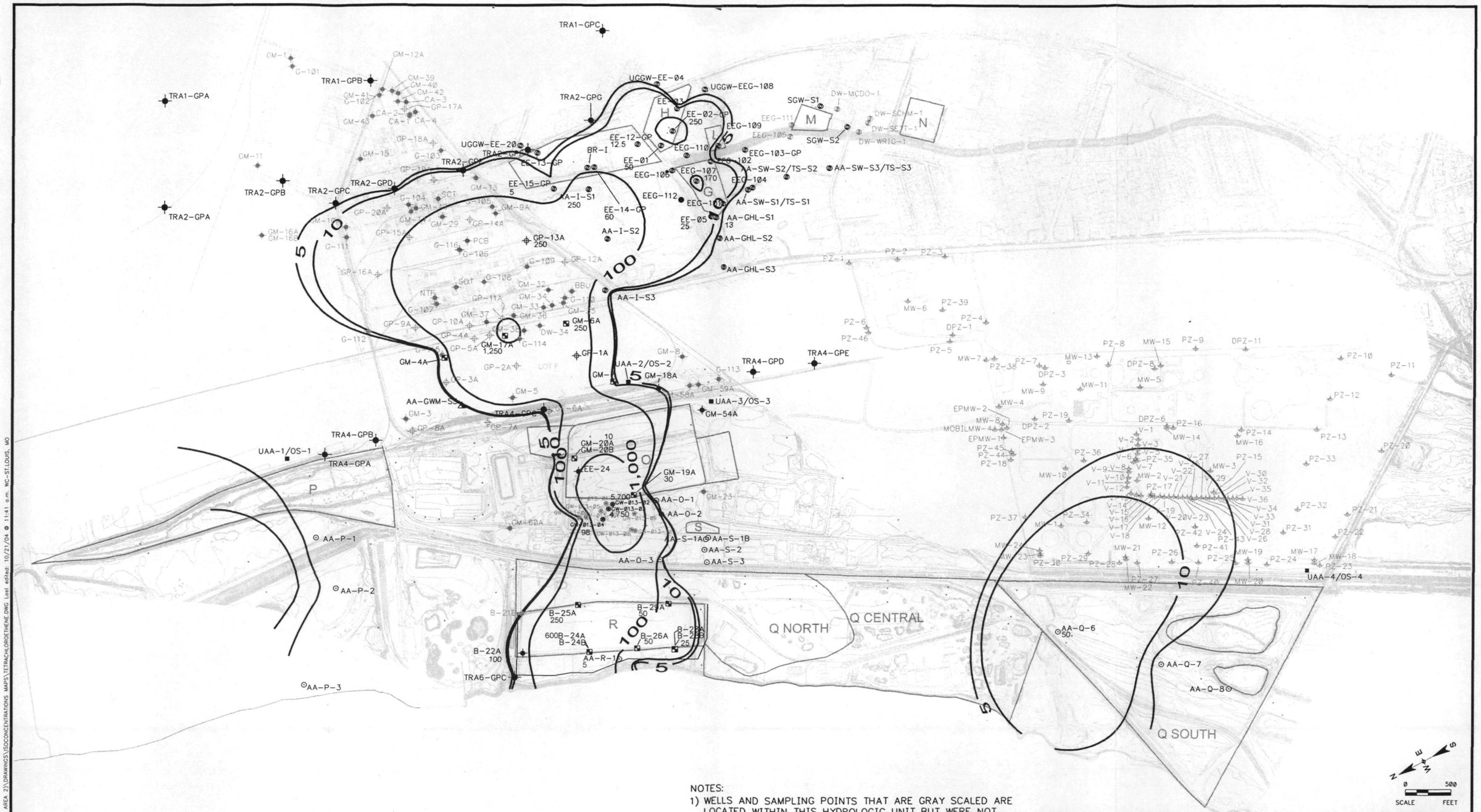
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-34	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-013-02	5-Jun-01	5700	5	ug/L			Clayton Chemical
GW-013-03	5-Jun-01	4750	5	ug/L			Clayton Chemical
GW-013-06	5-Jun-01	98	5	ug/L			Clayton Chemical
B-22A	10-May-00	100	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24D	11-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	600	5	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	10-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-19A	9-May-00	8.7	5	ug/L			Krummrich 1999 & 2000 Data
B-28A	14-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	1250	5	ug/l	U		Krummrich Well Sampling
GM-19A	8-Aug-03	30	5	ug/l			Krummrich Well Sampling
GM-20A	11-Aug-03	10	5	ug/l	U		Krummrich Well Sampling
GM-6A	5-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
EE-01	12-Oct-99	50	5	ug/l	U		Sauget Area 1
EE-02-GP	4-Nov-99	125	5	ug/l	U		Sauget Area 1
EE-02-GPFD	4-Nov-99	250	5	ug/l	U		Sauget Area 1
EE-05	13-Oct-99	25	5	ug/l	U		Sauget Area 1
EE-12-GP	5-Nov-99	12.5	5	ug/l	U		Sauget Area 1
EE-14-GP	5-Nov-99	60	5	ug/l	U		Sauget Area 1
EE-15-GP	8-Nov-99	5	5	ug/l	U		Sauget Area 1
EE-15-GPFD	8-Nov-99	5	5	ug/l	U		Sauget Area 1
EEG-107	7-Oct-99	170	5	ug/l			Sauget Area 1
AA-GHL-S1-12-16FT	16-Nov-99	13	5	ug/l			Sauget Area 1
AA-GHL-S1-22-26FT	17-Nov-99	7.1	5	ug/l			Sauget Area 1
AA-GHL-S1-22-26FTFD	17-Nov-99	7.8	5	ug/l			Sauget Area 1
AA-I-S1-17-21FT	14-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S2-16-20FT	3-Dec-99	7.4	5	ug/l	J		Sauget Area 1
AA-I-S2-26-30FT	6-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-36-40FT	7-Dec-99	250	5	ug/l	U		Sauget Area 1

Table 8B
Tetrachloroethene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-48	19-Jul-02	100	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	23	5	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	26	5	ug/l		J	Sauget Area 2 2002
GW-UAA-2-60FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-70FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
B-21B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-26B	11-May-00	210	5	ug/L			Krummrich 1999 & 2000 Data
GM-60B	9-May-00	12.5	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24C	11-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-25B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-28B	10-May-00	60	5	ug/L	U		Krummrich 1999 & 2000 Data
B-29B	10-May-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	9-May-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S3-40	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA1-GPB43	1-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB73	1-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC44	7-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	7-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	12.5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD72	2-Jul-03	25	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	250	5	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
B-29B	14-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-17B	4-Aug-03	60	5	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
GM-4B	6-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-6B	5-Aug-03	125	5	ug/l	U		Krummrich Well Sampling
MW-7B	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-GHL-S2-52-56FT	29-Nov-99	8.9	5	ug/l			Sauget Area 1
AA-I-S1-47-51FT	16-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	12.5	5	ug/l	U		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	500	5	ug/l	U		Sauget Area 1
AA-I-S2-46-50FT	7-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S2-56-60FT	8-Dec-99	81	5	ug/l	J		Sauget Area 1
AA-I-S2-66-70FT	8-Dec-99	83	5	ug/l	J		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	66	5	ug/l	J		Sauget Area 1
AA-I-S3-44-48FT	6-Dec-99	5	5	ug/l	U		Sauget Area 1
AA-I-S3-54-58FT	7-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-64-68FT	7-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-74-78FT	8-Dec-99	24	5	ug/l	J		Sauget Area 1

Table 8C
Tetrachloroethene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-96	9-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-104	6-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114	7-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114-DUP	7-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122	7-Aug-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	88	5	ug/l			Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	24	5	ug/l			Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GM-18B	8-May-00	5	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-27B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	25	5	ug/l	U		Krummrich CA-750 Profiling
GM-17C	5-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-4C	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
MW-7C	6-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
BR-G	1-May-00	5.4	5	ug/l			Sauget Area 1
BR-GFD	1-May-00	5.7	5	ug/l			Sauget Area 1
BR-I	25-Apr-00	20	5	ug/l	J		Sauget Area 1
AA-I-S2-86-90FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	12.5	5	ug/l	U		Sauget Area 1
AA-I-S3-84-88FT	9-Dec-99	32	5	ug/l	J		Sauget Area 1
AA-I-S3-84-88FTFD	9-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	125	5	ug/l	U		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 5 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

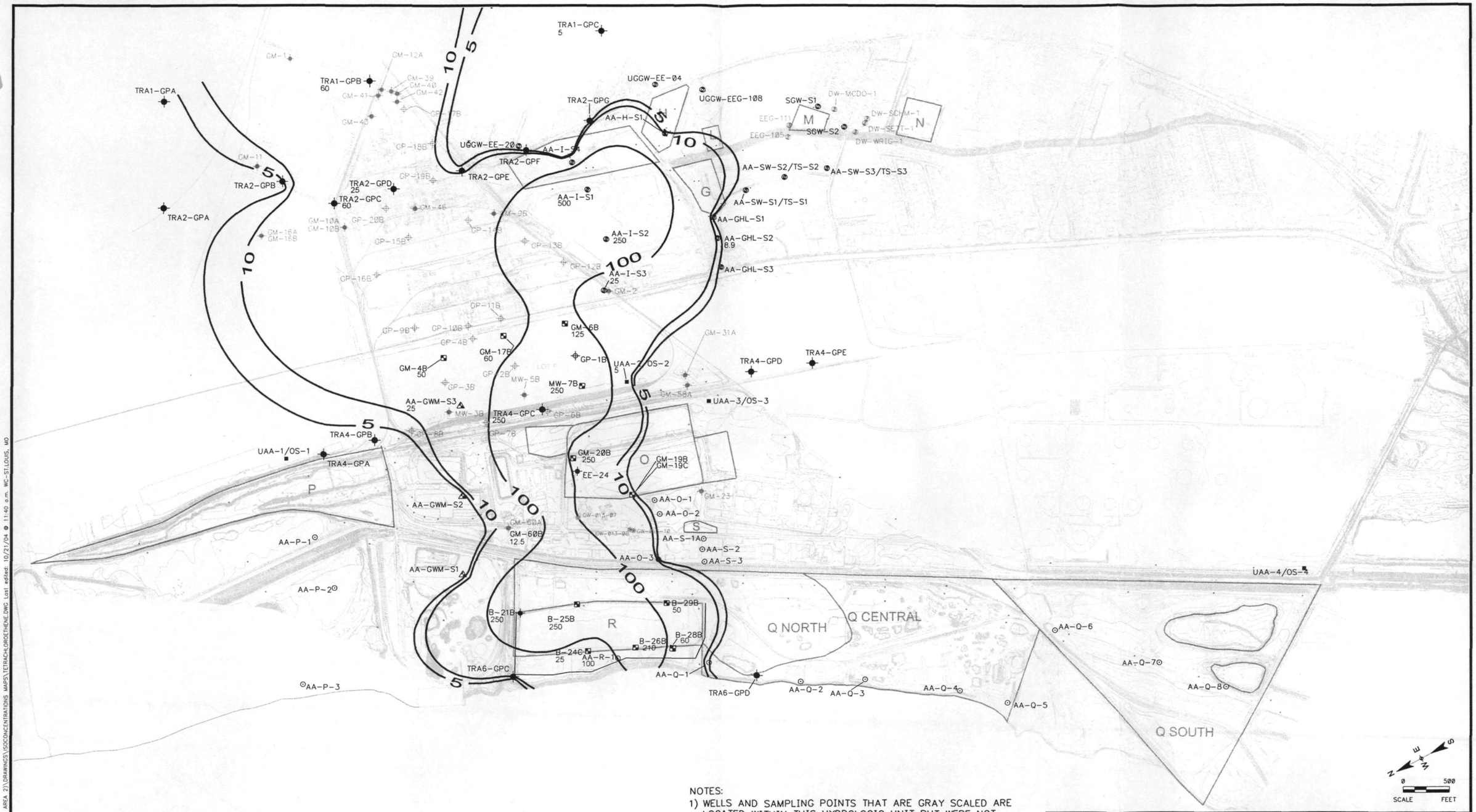
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Tetrachloroethene (Shallow)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\TETRACHLOROETHENE.DWG Last edited: 10/21/04 @ 11:41 a.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 5 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Tetrachloroethene (Medium)
	FIG. NO. 1

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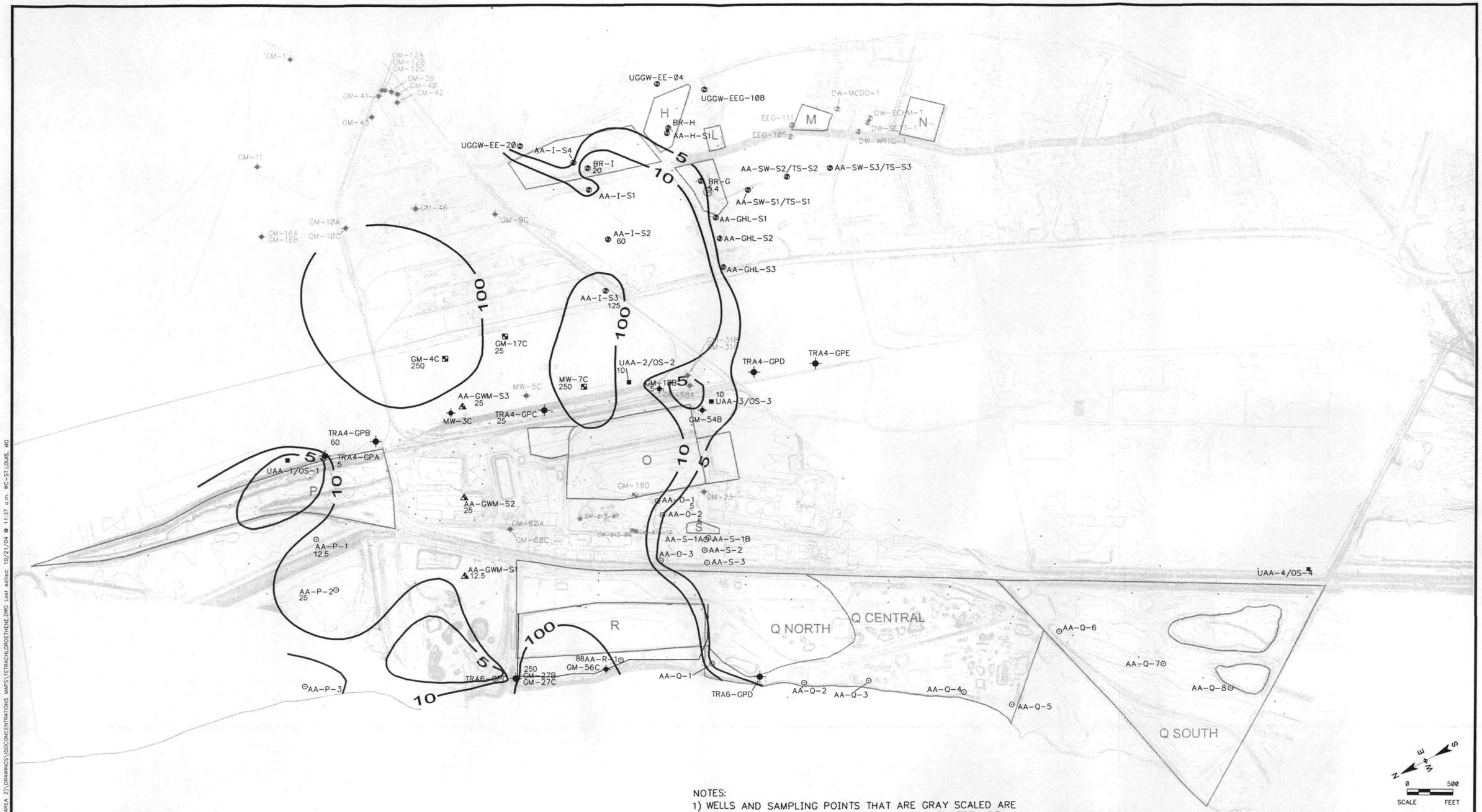

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 5 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Tetrachloroethene (Deep)
	FIG. NO. 1

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Table 9A
cis-1,2-Dichloroethene Exceedances
Shallow
Sauget Area 2

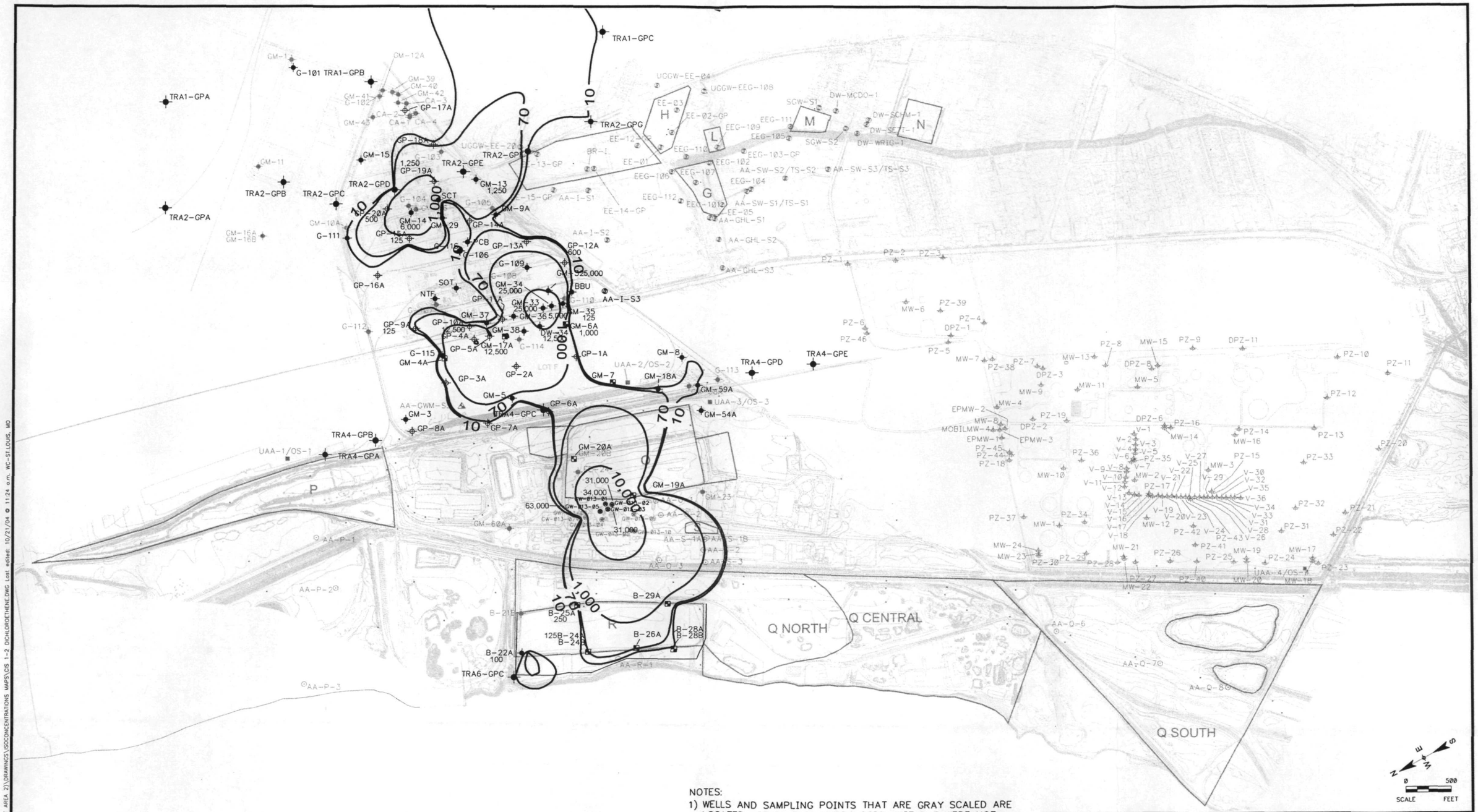
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-013-01	5-Jun-01	34000	70	ug/L			Clayton Chemical
GW-013-02	5-Jun-01	31000	70	ug/L			Clayton Chemical
GW-013-03	5-Jun-01	31000	70	ug/L			Clayton Chemical
GW-013-05	5-Jun-01	63000	70	ug/L			Clayton Chemical
B-22A	10-May-00	100	70	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	12500	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-13	1-Feb-00	1250	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	3-Feb-00	6000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-17A	31-Jan-00	12500	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-32	2-Feb-00	5000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-33	1-Feb-00	25000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-34	1-Feb-00	25000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-35	1-Feb-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-36	1-Feb-00	5000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-6A	26-Jan-00	1000	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	600	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-15A	1-Feb-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-19A	3-Feb-00	1250	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-20A	3-Feb-00	500	70	ug/L	U		Krummrich 1999 & 2000 Data
GP4-A	26-Jan-00	12500	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-9A	28-Jan-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-17A	18-Aug-03	1250	70	ug/l	U		Krummrich Well Sampling
GM-6A	5-Aug-03	250	70	ug/l	U		Krummrich Well Sampling

Table 9B
cis-1,2-Dichloroethene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
B-21B	10-May-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
B-25B	10-May-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	1-Feb-00	400	70	ug/L			Krummrich 1999 & 2000 Data
GM-20B	9-May-00	420	70	ug/L			Krummrich 1999 & 2000 Data
GM-20B-DUP	1-Feb-00	360	70	ug/L			Krummrich 1999 & 2000 Data
GM-6B	26-Jan-00	1000	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-6B-DUP	26-Jan-00	600	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-11B	28-Jan-00	100	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-12B	31-Jan-00	110	70	ug/L			Krummrich 1999 & 2000 Data
GP-15B	1-Feb-00	500	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-17B	2-Feb-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-18B	3-Feb-00	100	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-19B	3-Feb-00	1250	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-1B	25-Jan-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-2B	25-Jan-00	6000	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-3B	26-Jan-00	6000	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-4B	26-Jan-00	6000	70	ug/L	U		Krummrich 1999 & 2000 Data
GP-8B	27-Jan-00	1250	70	ug/L	U		Krummrich 1999 & 2000 Data
MW-3B	27-Jan-00	500	70	ug/L	U		Krummrich 1999 & 2000 Data
MW-5B	28-Jan-00	5000	70	ug/L	U		Krummrich 1999 & 2000 Data
TRA4-GPC73	30-Jun-03	250	70	ug/l	U		Krummrich CA-750 Profiling
GM-20B	11-Aug-03	250	70	ug/l	U		Krummrich Well Sampling
GM-6B	5-Aug-03	125	70	ug/l	U		Krummrich Well Sampling
MW-7B	6-Aug-03	250	70	ug/l	U		Krummrich Well Sampling

Table 9C
cis-1,2-Dichloroethene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GM-12B	2-Feb-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
GM-27B	10-May-00	250	70	ug/L	U		Krummrich 1999 & 2000 Data
MW-3C	27-Jan-00	125	70	ug/L	U		Krummrich 1999 & 2000 Data
MW-7C	25-Jan-00	220	70	ug/L			Krummrich 1999 & 2000 Data
GM-4C	6-Aug-03	250	70	ug/l	U		Krummrich Well Sampling
MW-7C	6-Aug-03	250	70	ug/l	U		Krummrich Well Sampling



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

70 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map CIS 1,2, Dichloroethene (Shallow)
	FIG. NO. 1

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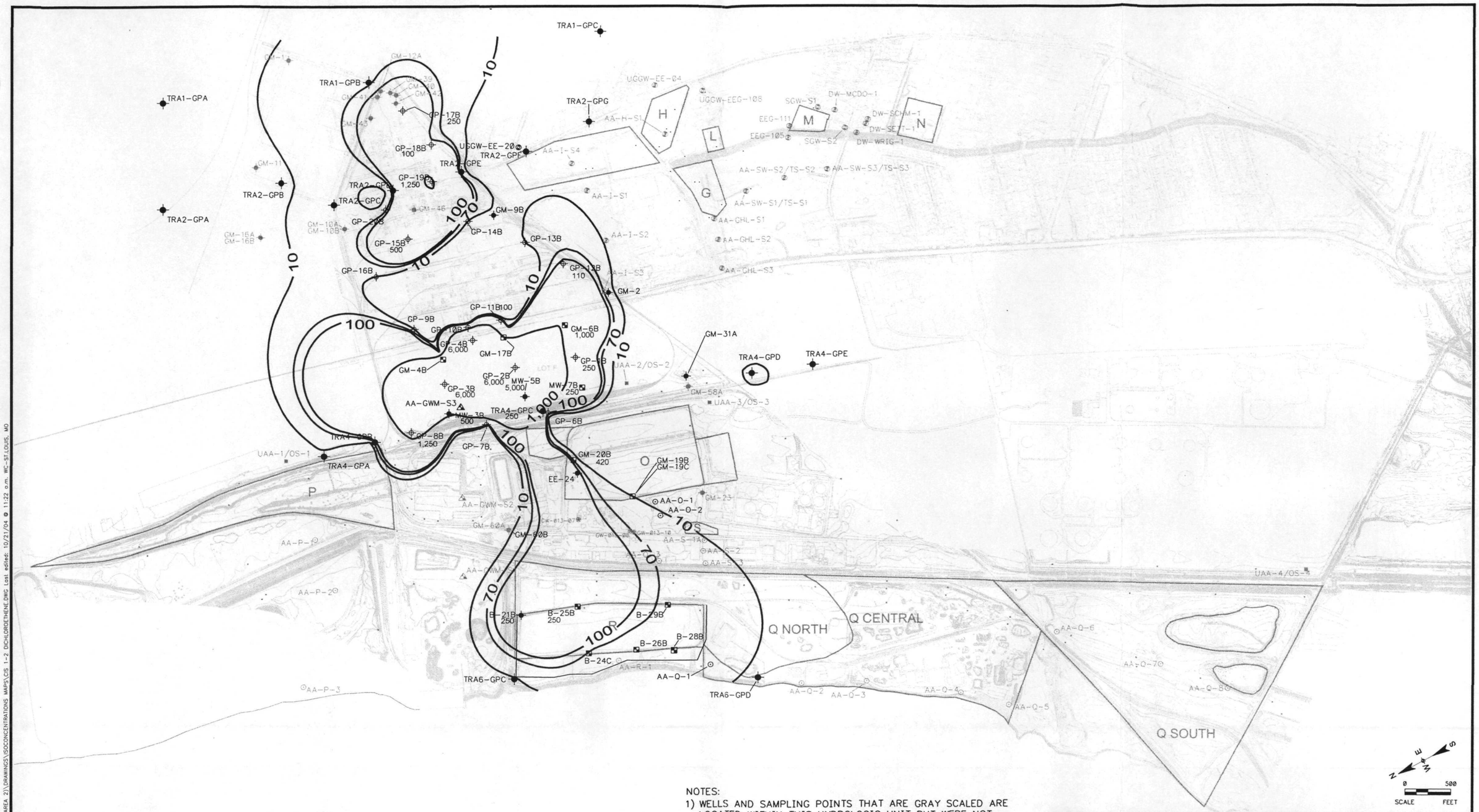


LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 70 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

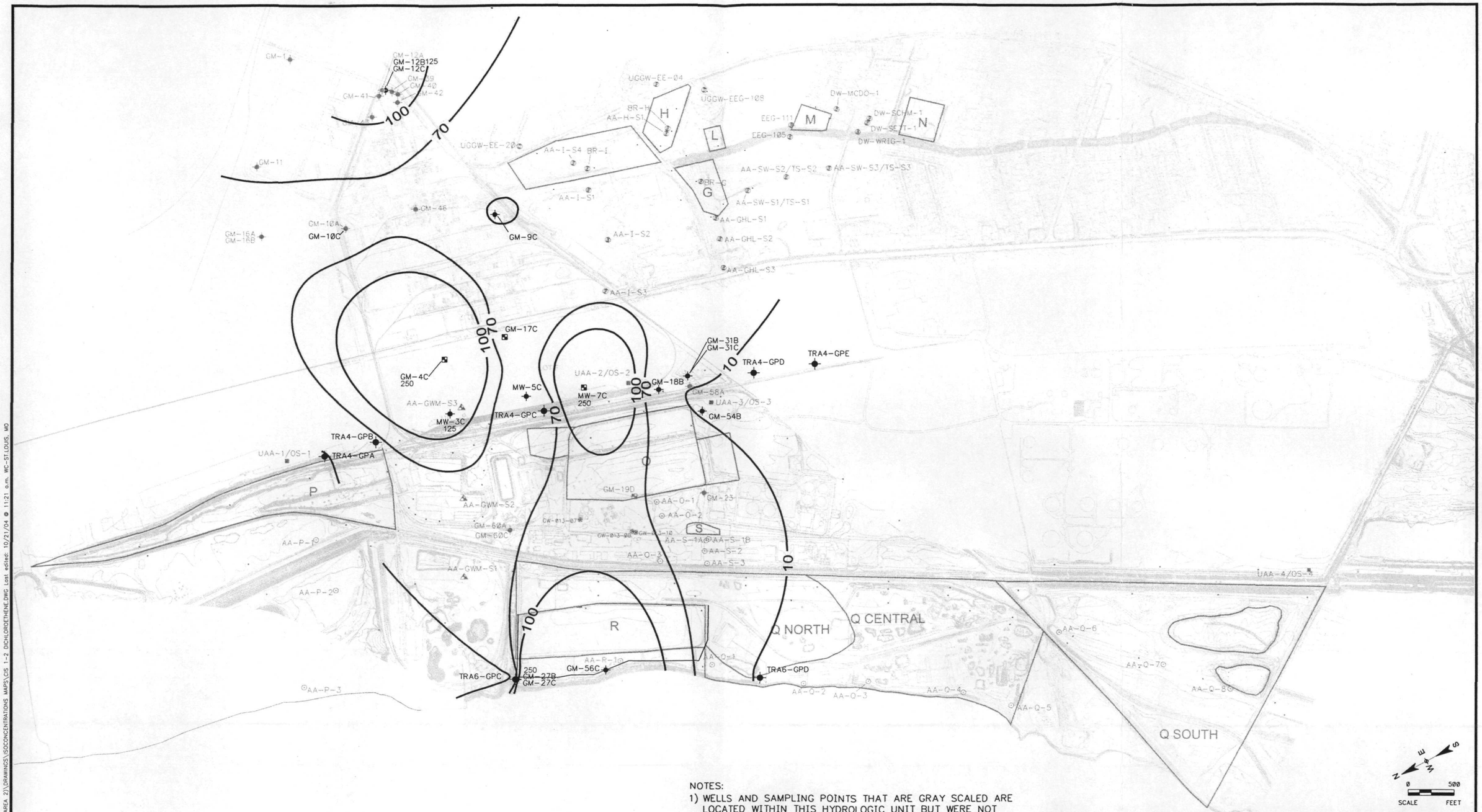
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map CIS 1,2, Dichloroethene (Medium)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\CIS 1-2 DICHLOROETHENE.DWG Last edited: 10/21/04 @ 11:22 a.m. WC-ST.LOUIS, MO



NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 70 — MCL/PRG VALVE

DEEP 81-120FT BGS

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map CIS 1,2, Dichloroethene (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\CIS 1-2 DICHLOROETHENE.DWG Last edited: 10/21/04 @ 11:21 a.m. WC-ST.LOUIS, MO

Table 10A
1,2-Dichloroethane Exceedances
Shallow
Sauget Area 2

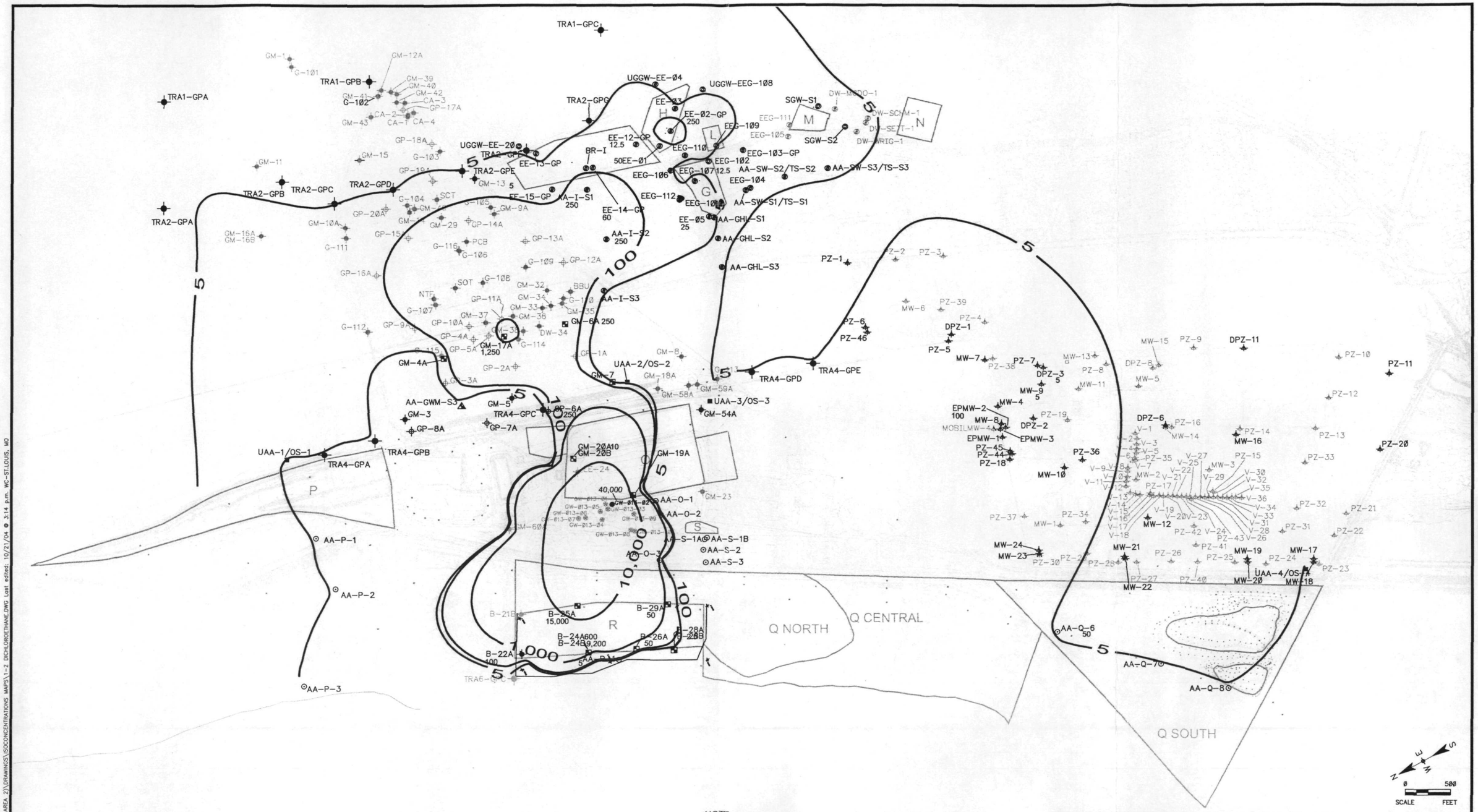
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-34	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	50	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
EPMMW-2	31-Jul-03	100	5	ug/L	U		Conoco Phillips
MW-9	18-Jun-02	5	5	ug/L	U		Conoco Phillips
GW-013-02	05-Jun-01	40000	5	ug/L			Clayton Chemical
B-22A	10-May-00	100	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	600	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24B	11-May-00	9200	5	ug/L			Krummrich 1999 & 2000 Data
B-25A	10-May-00	14000	5	ug/L			Krummrich 1999 & 2000 Data
B-26A	11-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	10-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-60A	08-May-00	10	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-60B	09-May-00	12.5	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-60C	09-May-00	5	5	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	13-Aug-03	15000	5	ug/l		J	Krummrich Well Sampling
B-28A	14-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	1250	5	ug/l	U		Krummrich Well Sampling
GM-20A	11-Aug-03	10	5	ug/l	U		Krummrich Well Sampling
GM-6A	05-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S1-17-21FT	14-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S1-27-31FT	15-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S1-37-41FT	15-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S2-16-20FT	03-Dec-99	12.5	5	ug/l	U		Sauget Area 1
AA-I-S2-26-30FT	06-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-36-40FT	07-Dec-99	250	5	ug/l	U		Sauget Area 1
EE-01	12-Oct-99	50	5	ug/l	U		Sauget Area 1
EE-02-GP	04-Nov-99	125	5	ug/l	U		Sauget Area 1
EE-02-GPFD	04-Nov-99	250	5	ug/l	U		Sauget Area 1
EE-05	13-Oct-99	25	5	ug/l	U		Sauget Area 1
EE-12-GP	05-Nov-99	12.5	5	ug/l	U		Sauget Area 1
EE-14-GP	05-Nov-99	60	5	ug/l	U		Sauget Area 1
EE-15-GP	08-Nov-99	5	5	ug/l	U		Sauget Area 1
EE-15-GPFD	08-Nov-99	5	5	ug/l	U		Sauget Area 1
EEG-107	07-Oct-99	12.5	5	ug/l	U		Sauget Area 1

Table 10B
1,2-Dichloroethane Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-48	19-Jul-02	100	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	25	5	ug/l		U	Sauget Area 2 2002
B-21B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
B-24C	11-May-00	9200	5	ug/L			Krummrich 1999 & 2000 Data
B-25B	10-May-00	8700	5	ug/L			Krummrich 1999 & 2000 Data
B-26B	11-May-00	100	5	ug/L	U		Krummrich 1999 & 2000 Data
B-28B	10-May-00	60	5	ug/L	U		Krummrich 1999 & 2000 Data
B-29B	10-May-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	09-May-00	25	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-27B	10-May-00	250	5	ug/L	U		Krummrich 1999 & 2000 Data
GM-27C	10-May-00	50	5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S3-40	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA1-GPB43	01-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB73	01-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC44	07-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	07-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD41	02-Jul-03	12.5	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD72	02-Jul-03	25	5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	250	5	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	13000	5	ug/l	D		Krummrich Well Sampling
B-25B	12-Aug-03	9400	5	ug/l	D	J	Krummrich Well Sampling
B-29B	14-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-17B	04-Aug-03	60	5	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
GM-4B	06-Aug-03	50	5	ug/l	U		Krummrich Well Sampling
GM-6B	05-Aug-03	125	5	ug/l	U		Krummrich Well Sampling
MW-7B	06-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S1-47-51FT	16-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	12.5	5	ug/l	U		Sauget Area 1
AA-I-S1-77-81FT	20-Dec-99	500	5	ug/l	U		Sauget Area 1
AA-I-S2-46-50FT	07-Dec-99	250	5	ug/l	U		Sauget Area 1
AA-I-S2-56-60FT	08-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-66-70FT	08-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-76-80FT	10-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S2-76-80FTFD	10-Dec-99	50	5	ug/l	U		Sauget Area 1
AA-I-S3-44-48FT	06-Dec-99	5	5	ug/l	U		Sauget Area 1
AA-I-S3-54-58FT	07-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-64-68FT	07-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-74-78FT	08-Dec-99	25	5	ug/l	U		Sauget Area 1

Table 10C
1,2-Dichloroethane Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-96	09-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	12.5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-104	06-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114	07-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114-DUP	07-Aug-02	25	5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122	07-Aug-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	40	5	ug/l		J	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	10	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	5	5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	10	5	ug/l		U	Sauget Area 2 2002
GM-18B	08-May-00	5	5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	12.5	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	25	5	ug/l	U		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	60	5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	25	5	ug/l	U		Krummrich CA-750 Profiling
GM-17C	05-Aug-03	25	5	ug/l	U		Krummrich Well Sampling
GM-4C	06-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
MW-7C	06-Aug-03	250	5	ug/l	U		Krummrich Well Sampling
AA-I-S2-86-90FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S3-104-108FT	13-Dec-99	60	5	ug/l	U		Sauget Area 1
AA-I-S3-110-114FT	14-Dec-99	12.5	5	ug/l	U		Sauget Area 1
AA-I-S3-84-88FT	09-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-84-88FTFD	09-Dec-99	25	5	ug/l	U		Sauget Area 1
AA-I-S3-94-98FT	10-Dec-99	125	5	ug/l	U		Sauget Area 1
BR-I	25-Apr-00	12.5	5	ug/l	U		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

—5— MCL/PRG VALVE

SHALLOW 0–40FT BGS

NOTE:
WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,2 Dichloroethane (Shallow)
	FIG. NO. 1

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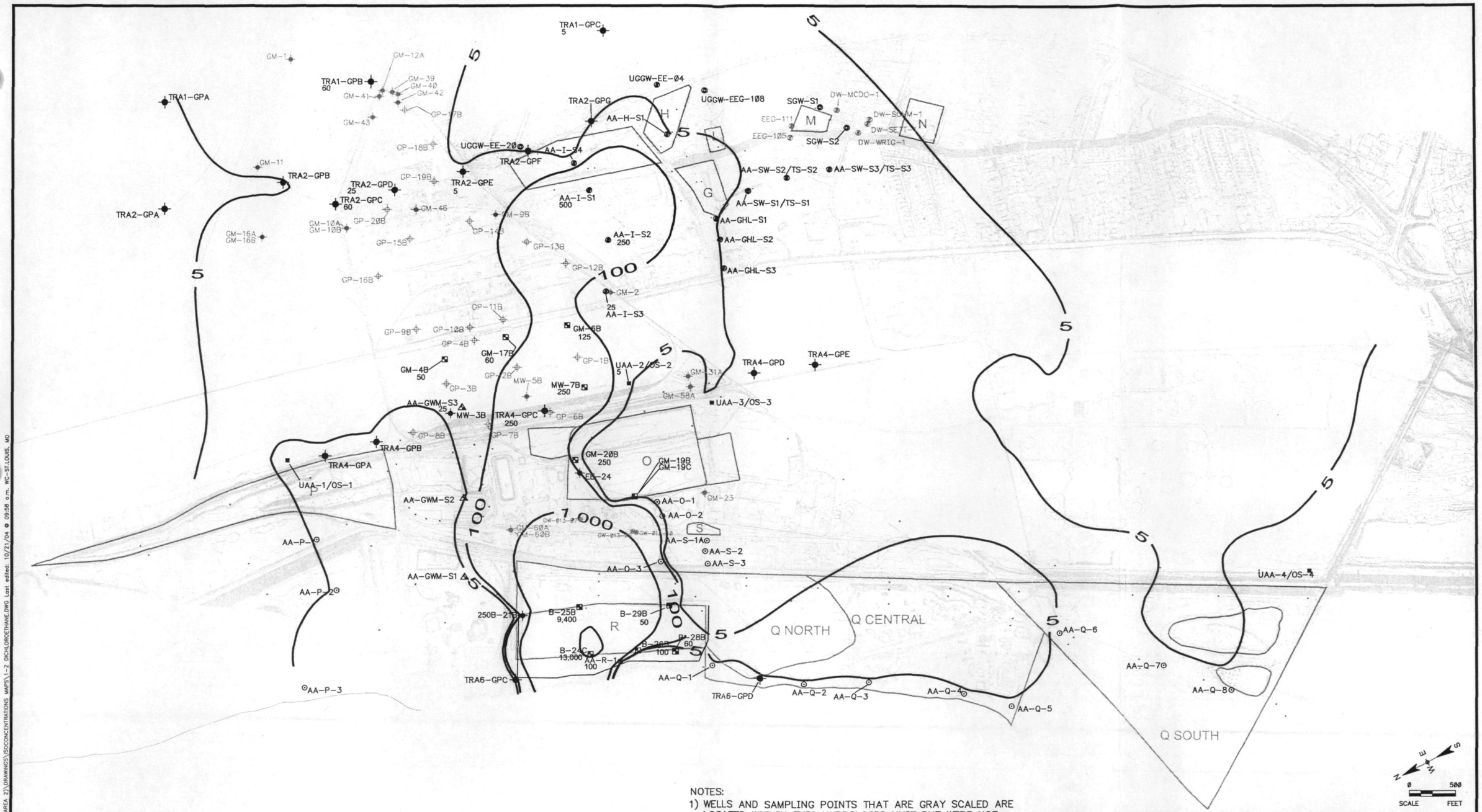

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 5 — MCL/PRG VALVE

MEDIUM 41–80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,2 Dichloroethane (Medium)
	FIG. NO. 1

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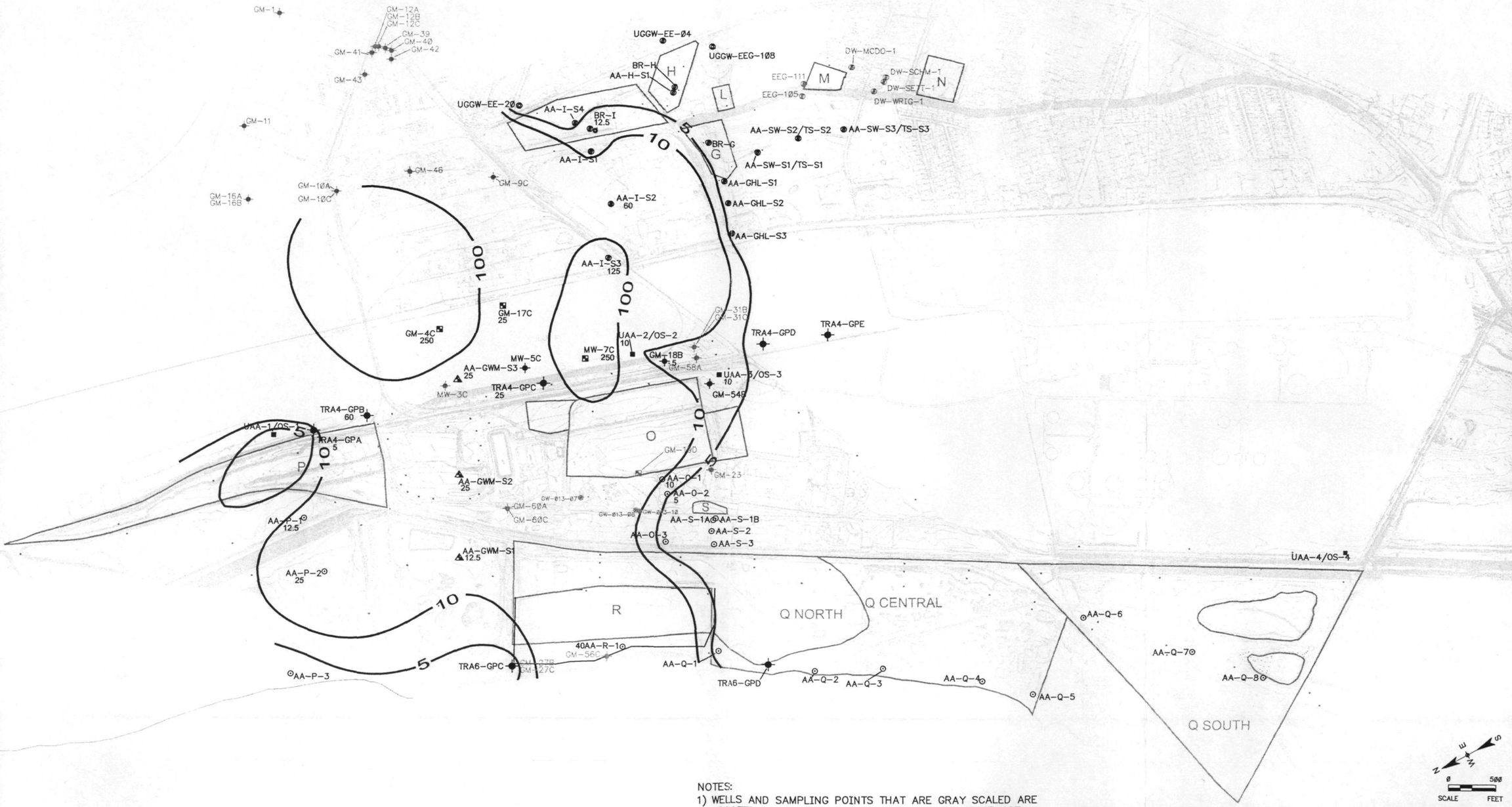

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

5 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 1,2 Dichloroethane (Deep)
	FIG. NO. 1

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Table 11A

2,4,6-Trichlorophenol Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-28	19-Jul-02	250	10	ug/l		U	Sauget Area 2 2002
BBU-B52	01-Jan-00	91	10	ug/L			Krummrich 1999 & 2000 Data
BBU-B55	01-Jan-00	48	10	ug/L			Krummrich 1999 & 2000 Data
BBU-B56	01-Jan-00	74	10	ug/L			Krummrich 1999 & 2000 Data
BBU-B58	01-Jan-00	80	10	ug/L			Krummrich 1999 & 2000 Data
BBU-B59	01-Jan-00	26	10	ug/L			Krummrich 1999 & 2000 Data
CA-1	02-Feb-00	200	10	ug/L	U		Krummrich 1999 & 2000 Data
CA-2	02-Feb-00	250	10	ug/L	U		Krummrich 1999 & 2000 Data
CA-3	02-Feb-00	200	10	ug/L	U		Krummrich 1999 & 2000 Data
CA-3-DUP	02-Feb-00	200	10	ug/L	U		Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	25	10	ug/L	U		Krummrich 1999 & 2000 Data
G104	11-May-99	200	10	ug/L	DJ		Krummrich 1999 & 2000 Data
G109	12-May-99	2700	10	ug/L	D		Krummrich 1999 & 2000 Data
GM-13	01-Feb-00	900000	10	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	03-Feb-00	500	10	ug/L	U		Krummrich 1999 & 2000 Data
GM-15	02-Feb-00	50	10	ug/L	U		Krummrich 1999 & 2000 Data
GM-32	02-Feb-00	25	10	ug/L	U		Krummrich 1999 & 2000 Data
GM-34	01-Feb-00	50	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-11A	28-Jan-00	20	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	100	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-15A	01-Feb-00	125	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-16A	01-Feb-00	100	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-19A	03-Feb-00	2500	10	ug/L	U		Krummrich 1999 & 2000 Data
GP-20A	03-Feb-00	25	10	ug/L	U		Krummrich 1999 & 2000 Data
SCT-B71	01-Jan-00	99	10	ug/L	J		Krummrich 1999 & 2000 Data
B-24A	13-Aug-03	38000	10	ug/l			Krummrich Well Sampling
B-25A	13-Aug-03	12000	10	ug/l			Krummrich Well Sampling
B-29A	13-Aug-03	13000	10	ug/l			Krummrich Well Sampling
GM-20A	11-Aug-03	28	10	ug/l			Krummrich Well Sampling
EE-01	12-Oct-99	270	10	ug/l			Sauget Area 1
EE-02-GP	04-Nov-99	420	10	ug/l	D		Sauget Area 1
EE-02-GPFD	04-Nov-99	510	10	ug/l	D		Sauget Area 1
EE-14-GP	05-Nov-99	15	10	ug/l			Sauget Area 1
EEG-107	07-Oct-99	42	10	ug/l	U		Sauget Area 1

Table 11B

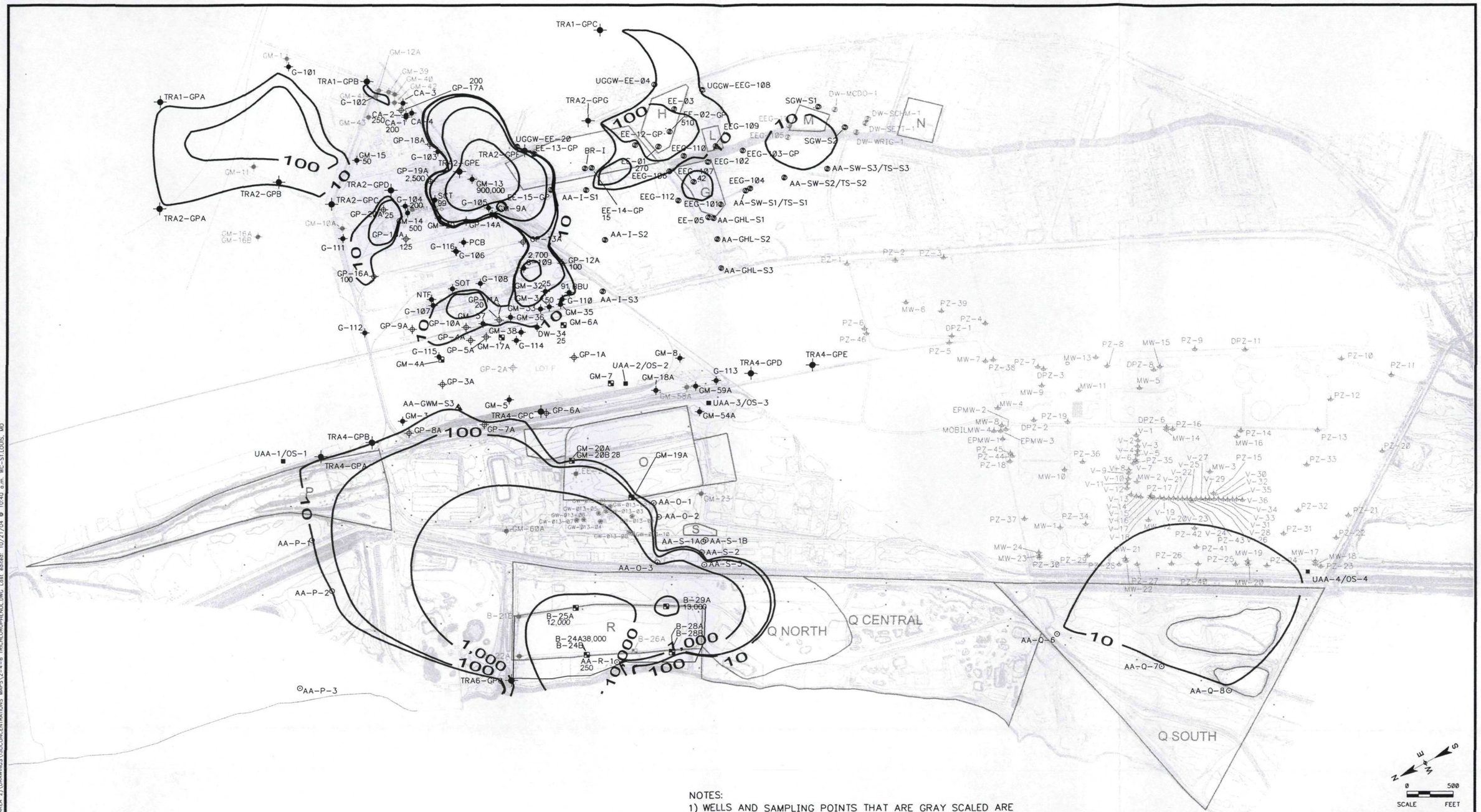
2,4,6-Trichlorophenol Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-48	19-Jul-02	250	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	1000	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	1000	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	500	10	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-44	11-Jul-02	10	10	ug/l		U	Sauget Area 2 2002
GM-31A	28-Jan-00	320	10	ug/L			Krummrich 1999 & 2000 Data
TRA1-GPC44	07-Jul-03	25	10	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	07-Jul-03	25	10	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	9500	10	ug/l	D		Krummrich Well Sampling
B-25B	12-Aug-03	10000	10	ug/l	U		Krummrich Well Sampling
B-28B	13-Aug-03	13000	10	ug/l	D		Krummrich Well Sampling
B-28B-D	13-Aug-03	12000	10	ug/l	D		Krummrich Well Sampling
B-29B	14-Aug-03	9000	10	ug/l			Krummrich Well Sampling
AA-H-S1-63-67FT	10-Mar-00	50	10	ug/l	U		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	50	10	ug/l	U		Sauget Area 1

Table 11C

2,4,6-Trichlorophenol Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-P-1-104FT	10-Jul-02	10	10	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	50	10	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	50	10	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-80FT	18-Jul-02	19	10	ug/l		B	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	50	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	250	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	50	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	250	10	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	25	10	ug/l		U	Sauget Area 2 2002
AA-H-S1-93-97FT	15-Mar-00	52	10	ug/l			Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	42	10	ug/l	U		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	42	10	ug/l	U		Sauget Area 1
BR-GFD	01-May-00	21	10	ug/l	U		Sauget Area 1
BR-I	25-Apr-00	1700	10	ug/l			Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

10 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

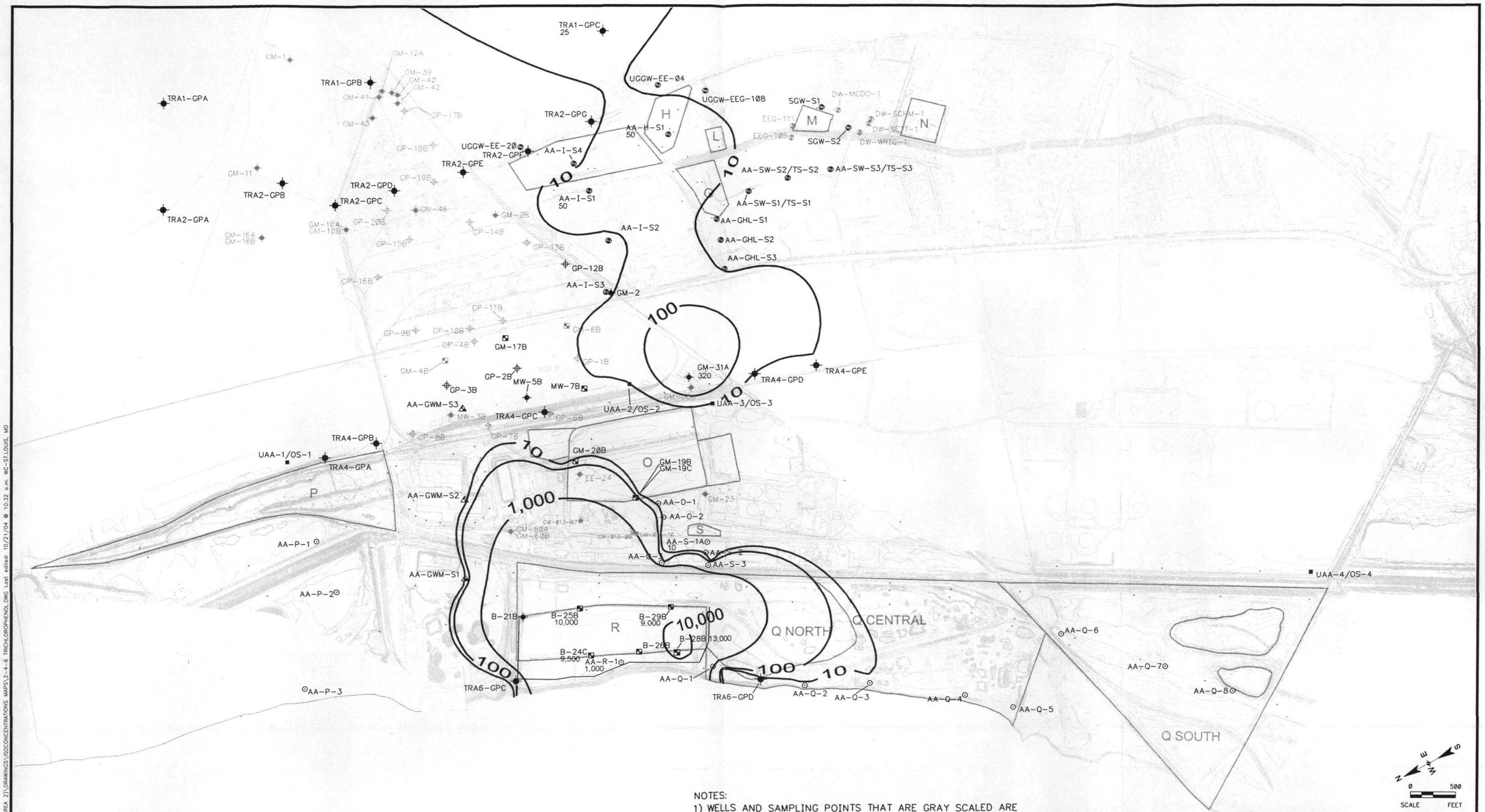
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4,6 Trichlorophenol (Shallow)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\2-4-6 TRICHLOROPHENOL.DWG Last edited: 10/21/04 @ 10:40 a.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

10 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

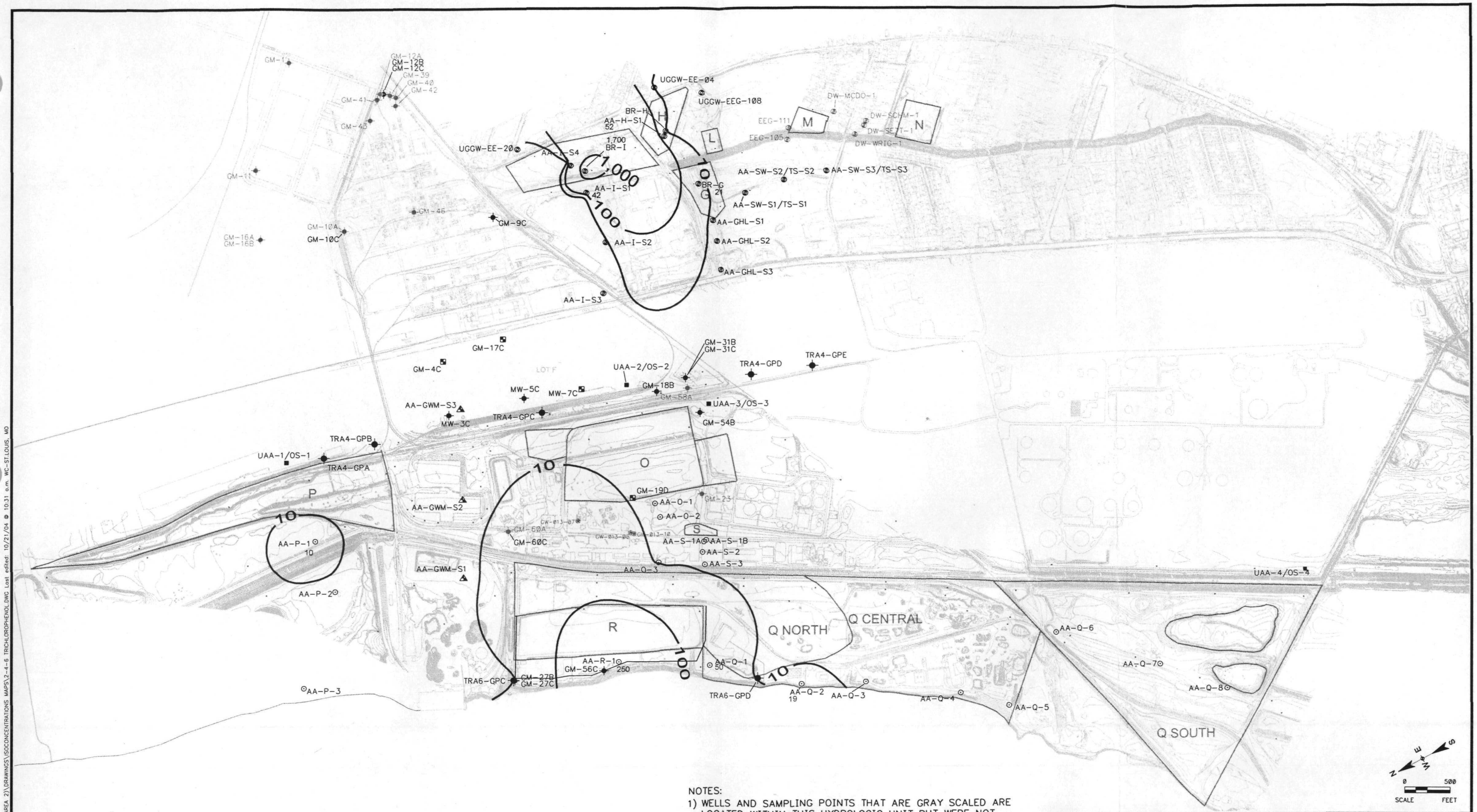
NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4,6 Trichlorophenol (Medium)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\2-4-6 TRICHLOROPHENOL.DWG Last edited: 10/21/04 @ 10:32 a.m. WC-ST.LOUIS, MO



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 10 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4,6 Trichlorophenol (Deep)
	FIG. NO. 1

File: P:\ENVIRONMENTAL\21560888 (SAUGET AREA 2)\DRAWINGS\ISOCONCENTRATIONS MAPS\2-4-6 TRICHLOROPHENOL.DWG Last edited: 10/21/04 @ 10:31 a.m. WC-ST.LOUIS, MO

Table 12A
Nitrobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-16	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-26	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-36	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-13	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-23	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-33	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-28FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-38FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-24FT	8-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-24FT-DUP	8-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-34FT	8-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-24	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-24 Filtered	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-34	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-34-DUP	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-32	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-32-Filtered	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-24	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-24-DUP	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-24-DUP-Filter	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-24-Filter	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-34-DUP	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-24	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-34	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-24	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-24-Filtered	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-34	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-34-DUP	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-28	19-Jul-02	250	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-24FT	26-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-34FT	26-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-28	15-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-38	15-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-24FT	15-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-34FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-20	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-20-DUP	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-20-DUP-Filtered	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-20-Filtered	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-30	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-20FT	14-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-30FT	14-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-20FT	19-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-30FT	19-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-30FT-DUP	19-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-24FT-R	11-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-34FT-R	11-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
B-22A	10-May-00	2500	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-24A	11-May-00	20000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-24D	11-May-00	10000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-25A	10-May-00	100000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-26A	11-May-00	125	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-28A	10-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-29A	11-May-00	50000	3.5	ug/L	U		Krummrich 1999 & 2000 Data

Table 12A
Nitrobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
B-29A	10-May-00	20000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
BBU-B55	1-Jan-00	11	3.5	ug/L			Krummrich 1999 & 2000 Data
CA-1	2-Feb-00	200	3.5	ug/L	U		Krummrich 1999 & 2000 Data
CA-2	2-Feb-00	250	3.5	ug/L	U		Krummrich 1999 & 2000 Data
CA-3	2-Feb-00	200	3.5	ug/L	U		Krummrich 1999 & 2000 Data
CA-3-DUP	2-Feb-00	200	3.5	ug/L	U		Krummrich 1999 & 2000 Data
CA-4	2-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
DW-34	26-Jan-00	25	3.5	ug/L	U		Krummrich 1999 & 2000 Data
G102	10-May-99	43	3.5	ug/L	J		Krummrich 1999 & 2000 Data
G104	11-May-99	24	3.5	ug/L			Krummrich 1999 & 2000 Data
G106	11-May-99	22	3.5	ug/L			Krummrich 1999 & 2000 Data
G116	11-May-99	31	3.5	ug/L			Krummrich 1999 & 2000 Data
GM-13	1-Feb-00	900000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-14	3-Feb-00	500	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-15	2-Feb-00	50	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-17A	31-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-18A	28-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-18A	8-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-19A	9-May-00	40	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-29	3-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-3	27-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-32	2-Feb-00	25	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-33	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-34	1-Feb-00	50	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-35	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-36	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-37	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-38	25-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-4AR	26-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-5	28-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-54A	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-54A	11-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-59A	31-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-6A	26-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-7	25-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-8	31-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-9A	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-10A	28-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-11A	28-Jan-00	20	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-12A	31-Jan-00	100	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-13A	31-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-14A	1-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-15A	1-Feb-00	290	3.5	ug/L			Krummrich 1999 & 2000 Data
GP-16A	1-Feb-00	100	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-17A	2-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-18A	3-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-19A	3-Feb-00	2500	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-1A	25-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-20A	3-Feb-00	25	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-3A	26-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-4A	26-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-5A	26-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-6A	27-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-7A	27-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GP-8A	27-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data

Table 12A
Nitrobenzene Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GP-9A	28-Jan-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S3-20	24-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
TRA1-GPA23	20-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB21	1-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC15	7-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC15-D	7-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA25	25-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB25	22-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC25	26-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD21	2-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE21'	25-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF15	16-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG15	17-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA15	9-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA36	9-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB29	10-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC21	27-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD28	29-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD28D	29-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE27	30-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC24	21-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
B-24A	13-Aug-03	2500	3.5	ug/l	U		Krummrich Well Sampling
B-25A	13-Aug-03	7400	3.5	ug/l			Krummrich Well Sampling
B-28A	14-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
B-29A	13-Aug-03	2500	3.5	ug/l	U		Krummrich Well Sampling
GM-17A	18-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-19A	8-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-20A	11-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-4A	6-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-6A	5-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-7	28-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
EE-02-GP	4-Nov-99	52	3.5	ug/l			Sauget Area 1
EE-02-GPFD	4-Nov-99	61	3.5	ug/l			Sauget Area 1
EEG-107	7-Oct-99	70	3.5	ug/l	U		Sauget Area 1

Table 12B
Nitrobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-46	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-46-DUP	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-56	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-66	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-76	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-43	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-53	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-53-DUP	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-63	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-73FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-48FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-58FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-68FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-78FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-44FT	13-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-54FT	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-64FT	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-74FT	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-44	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-54	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-64	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-64 Filtered	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-74	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-42	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-42-DUP	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-52	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-62	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-62-DUP	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-72	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-72 Filtered	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-50	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-50-Filtered	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-60	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-60-DUP	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-70	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-60	18-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-60-Filtered	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-70	18-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-50	19-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-50-Filter	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-60	22-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-70	22-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-50	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-50 Filtered	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-60	23-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-70	23-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-45	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-45-Filtered	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-55	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-55-DUP	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-65	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-75	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-75-DUP	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-44	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-54	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002

Table 12B
Nitrobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-6-64	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-64-Filtered	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-74	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-44	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-54	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-64	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-64-Filtered	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-74	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-74-DUP	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-44	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-54	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-64	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-64-Filtered	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-74	1-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	250	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	1000	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	1000	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	500	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-44	11-Jul-02	10	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-54	11-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-54-DUP	11-Jul-02	5	3.5	ug/l	UJ,h	U	Sauget Area 2 2002
GW-AA-S-1-64	12-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-74FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-48	15-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-58	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-68	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-78	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-44FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-54FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-64FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-74FT	1-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-40	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-50	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-60	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-60-Filtered	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-70	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-40FT	14-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-50FT	17-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-60FT	17-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-70FT	17-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-40FT	19-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-50FT	19-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-60FT	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-70FT	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-44FT	10-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-54FT	11-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-64	12-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-74	12-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
B-21B	10-May-00	14000	3.5	ug/L			Krummrich 1999 & 2000 Data
B-24C	11-May-00	5000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-25B	10-May-00	12500	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-26B	11-May-00	4000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-28B	10-May-00	5000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
B-29B	10-May-00	25000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
EE-24	9-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data

Table 12B
Nitrobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GM-10B	9-May-00	25	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-19B	9-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-19C	9-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-2	3-Feb-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-20B	9-May-00	25	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-31A	28-Jan-00	43	3.5	ug/L			Krummrich 1999 & 2000 Data
GM-60B	9-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-40	16-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-60	16-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-40	22-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-60	22-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-40	24-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60	24-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-60-DUP	24-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
TRA1-GPA43	20-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPA77	21-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB43	1-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPB73	1-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC44	7-Jul-03	25	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	7-Jul-03	25	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA45	25-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPA71	25-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB45	22-Aug-03	5	3.5	ug/l	U	UJ	Krummrich CA-750 Profiling
TRA2-GPB45-D	22-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPB70	22-Aug-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC43	26-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC43D	26-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPC73	26-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD41	2-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPD72	2-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE42'	25-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPE72'	25-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF42	16-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF58	16-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPF58D	16-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG43	17-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA2-GPG73	17-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPA66	9-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB49	10-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB76	11-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC43	27-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC73	30-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD48	29-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD78	29-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE49	30-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE79	31-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE79D	31-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC65	22-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD55	25-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	3400	3.5	ug/l			Krummrich Well Sampling
B-25B	12-Aug-03	10000	3.5	ug/l	U		Krummrich Well Sampling
B-28B	13-Aug-03	690	3.5	ug/l			Krummrich Well Sampling
B-28B-D	13-Aug-03	650	3.5	ug/l			Krummrich Well Sampling
B-29B	14-Aug-03	2500	3.5	ug/l	U		Krummrich Well Sampling
GM-17B	4-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling

Table 12B
Nitrobenzene Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GM-19B	8-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-19C	8-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-19C-D	8-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-20B	11-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-4B	6-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-6B	5-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
MW-7B	6-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
AA-H-S1-63-67FT	10-Mar-00	90	3.5	ug/l	U		Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	90	3.5	ug/l	U		Sauget Area 1

Table 12C

Nitrobenzene Exceedances

Deep

Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-O-1-106	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-116	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-120	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-86	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-1-96	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-103FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-113FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-121FT	25-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-124	8-Jul-02	5	3.5	ug/l	UJ,s	U	Sauget Area 2 2002
GW-AA-O-2-83FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-2-93FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-108FT	26-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-118	18-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-128	18-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-88FT	26-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-O-3-98FT	26-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-104FT	10-Jul-02	10	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-114FT	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-120FT	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-84FT	9-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-1-94FT	10-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-104	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-104 Filtered	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-114-DUP	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-122-Filtered	7-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-84	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-2-94	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-102	9-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-112	9-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-112 Filtered	9-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-122	12-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-126	12-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-126-Filtered	12-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-82	9-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-P-3-92	9-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-100	17-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-110	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-120	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-120-Filtered	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2	30-Jul-02	50	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	50	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-Filtered	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-80	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-90	17-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-100	19-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-110	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-110-DUP	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-120	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-120-Filtered	31-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-130	1-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-130B-Filtered	1-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-80FT	18-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-90	19-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002

Table 12C

Nitrobenzene Exceedances

Deep

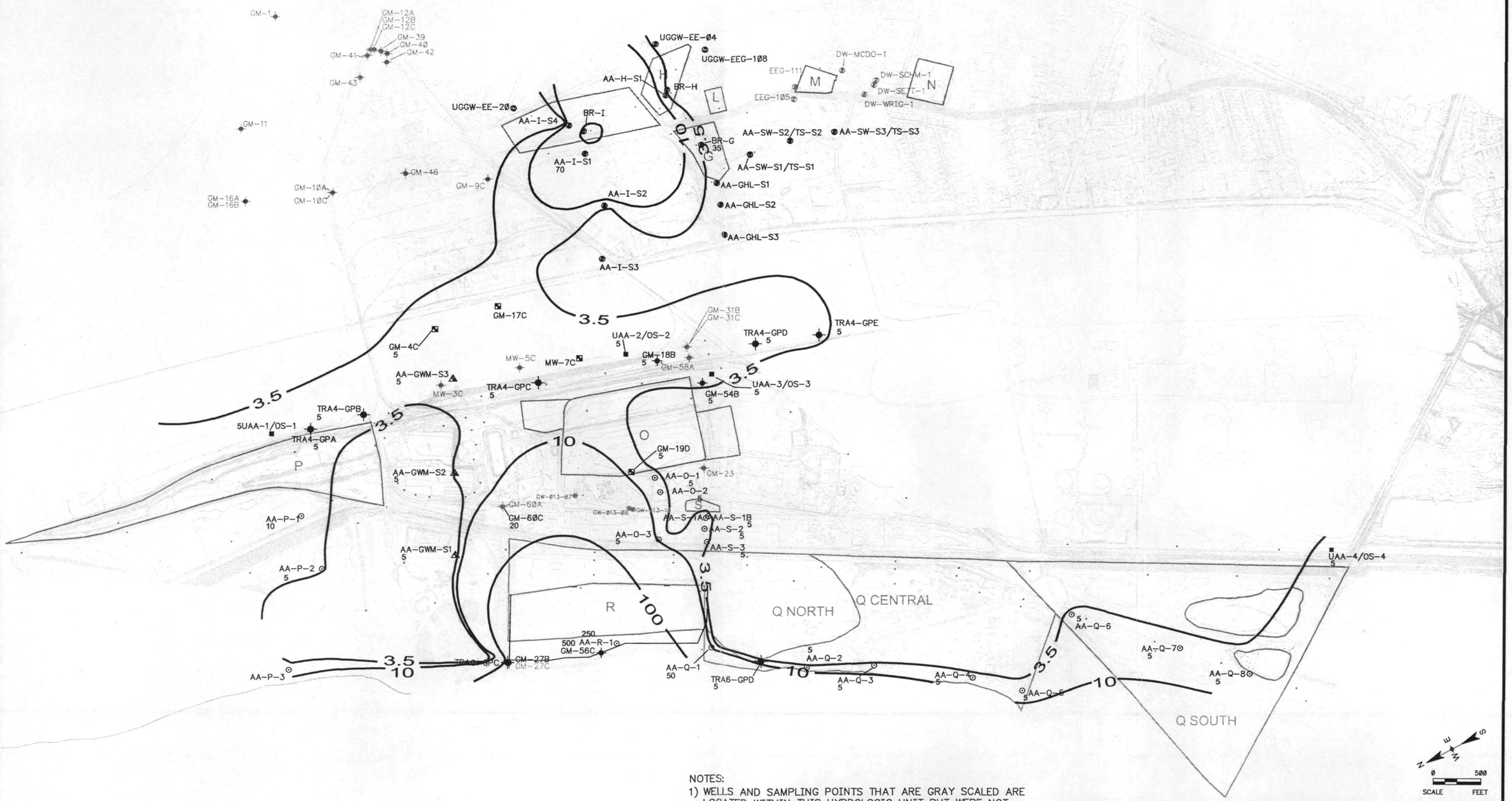
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-3-100	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-110	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-120	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-120 Filtered	5-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-80	22-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-80-DUP	22-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-3-90	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-100	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-100-DUP	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-110	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-110 Filtered	6-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-80	23-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-4-90	23-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-105	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-106-Filtered	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-85	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-85-Filtered	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-5-95	8-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-104	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-104-Filtered	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-110	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-110-Filtered	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-84	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-6-94	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-104	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-104-DUP	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-104-Filtered	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-104-Filtered-DUP	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-84	24-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-7-94	30-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-104	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-104-Filter	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-111	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-111-Filter	2-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-84	1-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-Q-8-94	1-Aug-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	50	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	250	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	50	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	250	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-88	22-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	25	3.5	ug/l	UJ,s	U	Sauget Area 2 2002
GW-AA-S-1-104	12-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-114	12-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-124	15-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-84FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-84FT-DUP	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-1-94FT	28-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-108	17-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-118	17-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-118 1/2	17-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-88	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-2-98	16-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-104FT	1-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-114FT	2-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002

Table 12C

Nitrobenzene Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-S-3-124FT	2-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-132FT	2-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-84FT	1-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-S-3-94FT	1-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-100	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-100-Filtered	26-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-113	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-113-Filtered	29-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-80	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-AA-UAA-4-90	25-Jul-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-100FT	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-110FT	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-80FT	17-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-1-90FT	18-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-100FT	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-110FT	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-120FT	21-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-124FT	24-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-80FT	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-2-90FT	20-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-116	13-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-84	12-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GW-UAA-3-94	12-Jun-02	5	3.5	ug/l		U	Sauget Area 2 2002
GM-18B	8-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-27B	10-May-00	1000	3.5	ug/L	U		Krummrich 1999 & 2000 Data
GM-54B	11-May-00	5	3.5	ug/L	U		Krummrich 1999 & 2000 Data
AA-GWM-S1-100	17-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-120	17-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-140	17-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S1-80	16-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100	22-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-100-DUP	22-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-120	23-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S2-80	22-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-100	25-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
AA-GWM-S3-80	25-Jul-02	5	3.5	ug/l	U		Krummrich 2002 Profiling
TRA4-GPA105	10-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPB119.3	11-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPC119	30-Jun-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPD119	30-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA4-GPE114	31-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC121	23-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPC85	23-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD114.5	28-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
TRA6-GPD85	28-Jul-03	5	3.5	ug/l	U		Krummrich CA-750 Profiling
GM-17C	5-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
GM-4C	6-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
MW-7C	6-Aug-03	5	3.5	ug/l	U		Krummrich Well Sampling
AA-I-S1-87-91FT	21-Dec-99	70	3.5	ug/l	U		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	70	3.5	ug/l	U		Sauget Area 1
BR-GFD	1-May-00	35	3.5	ug/l	U		Sauget Area 1
BR-I	25-Apr-00	140	3.5	ug/l	J		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

3.5 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Nitrobenzene (Deep)	FIG. NO. 1

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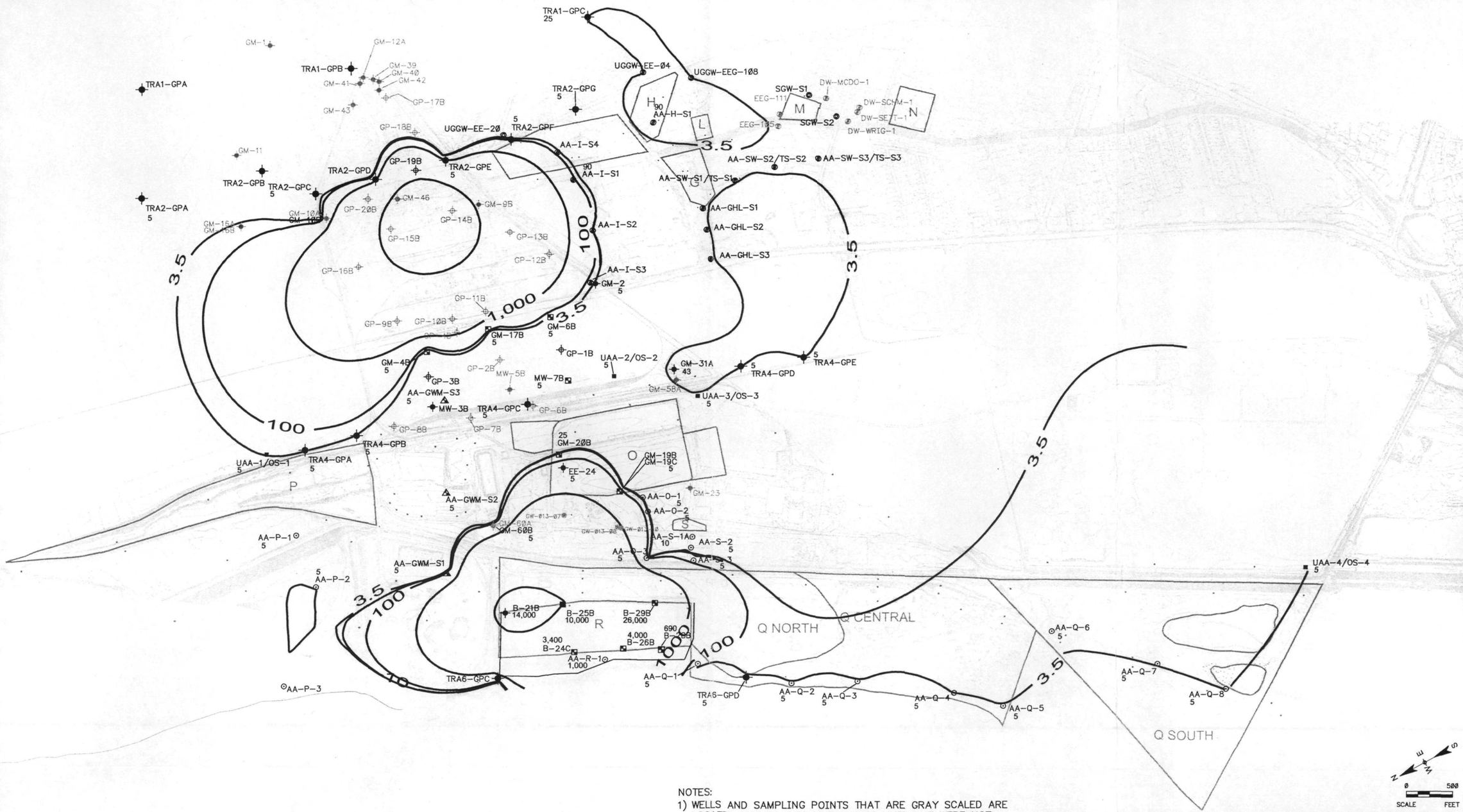

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

3.5 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Nitrobenzene (Medium)
	FIG. NO. 1

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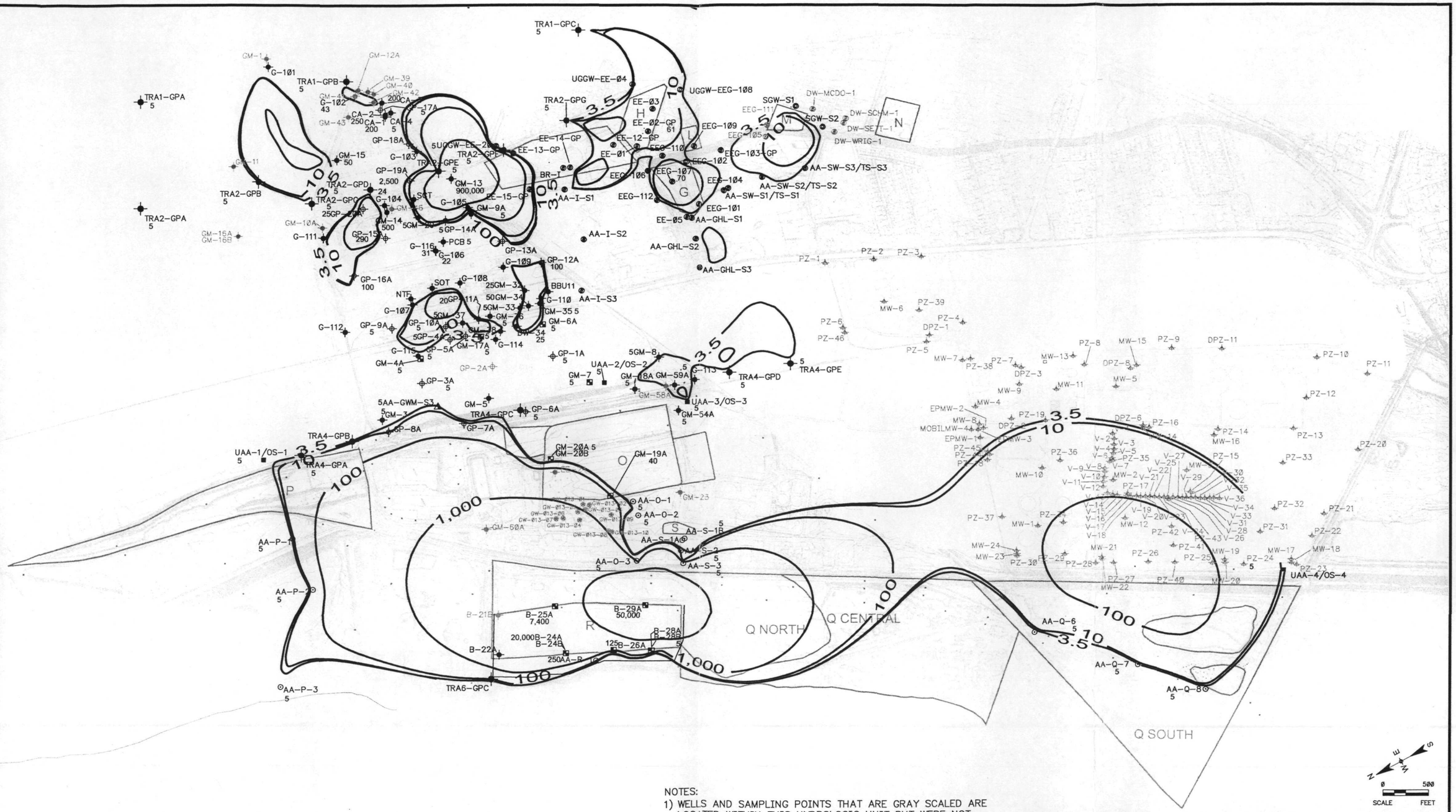

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

3.5 — MCL/PRG VALVE

SHALLOW 0–40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map Nitrobenzene (Shallow)
	FIG. NO. 1

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Table 13A
2,4-D Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
EE-01	12-Oct-99	125	70	ug/l	U		Sauget Area 1
EE-02-GP	04-Nov-99	190	70	ug/l			Sauget Area 1
EE-02-GPFD	04-Nov-99	170	70	ug/l			Sauget Area 1
EEG-107	07-Oct-99	120	70	ug/l			Sauget Area 1

Table 13B

2,4-D Exceedances
Medium
Sauget Area 2

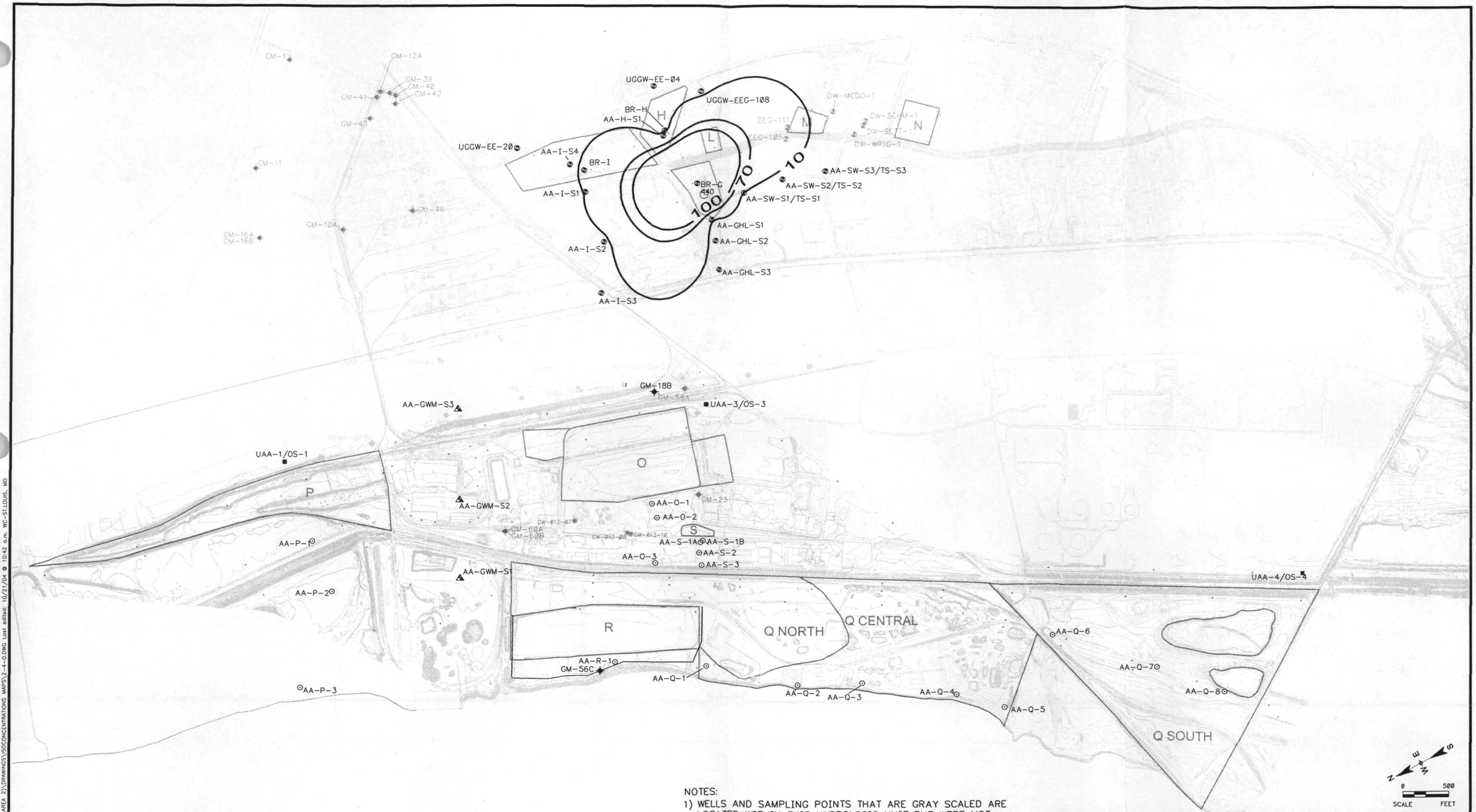
Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project

No exceedances over the 70 ug/l screening value.

Table 13C

2,4-D Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
BR-G	01-May-00	440	70	ug/l	D		Sauget Area 1
BR-GFD	01-May-00	320	70	ug/l	D		Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 70 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4-D (Deep)
	FIG. NO. 1

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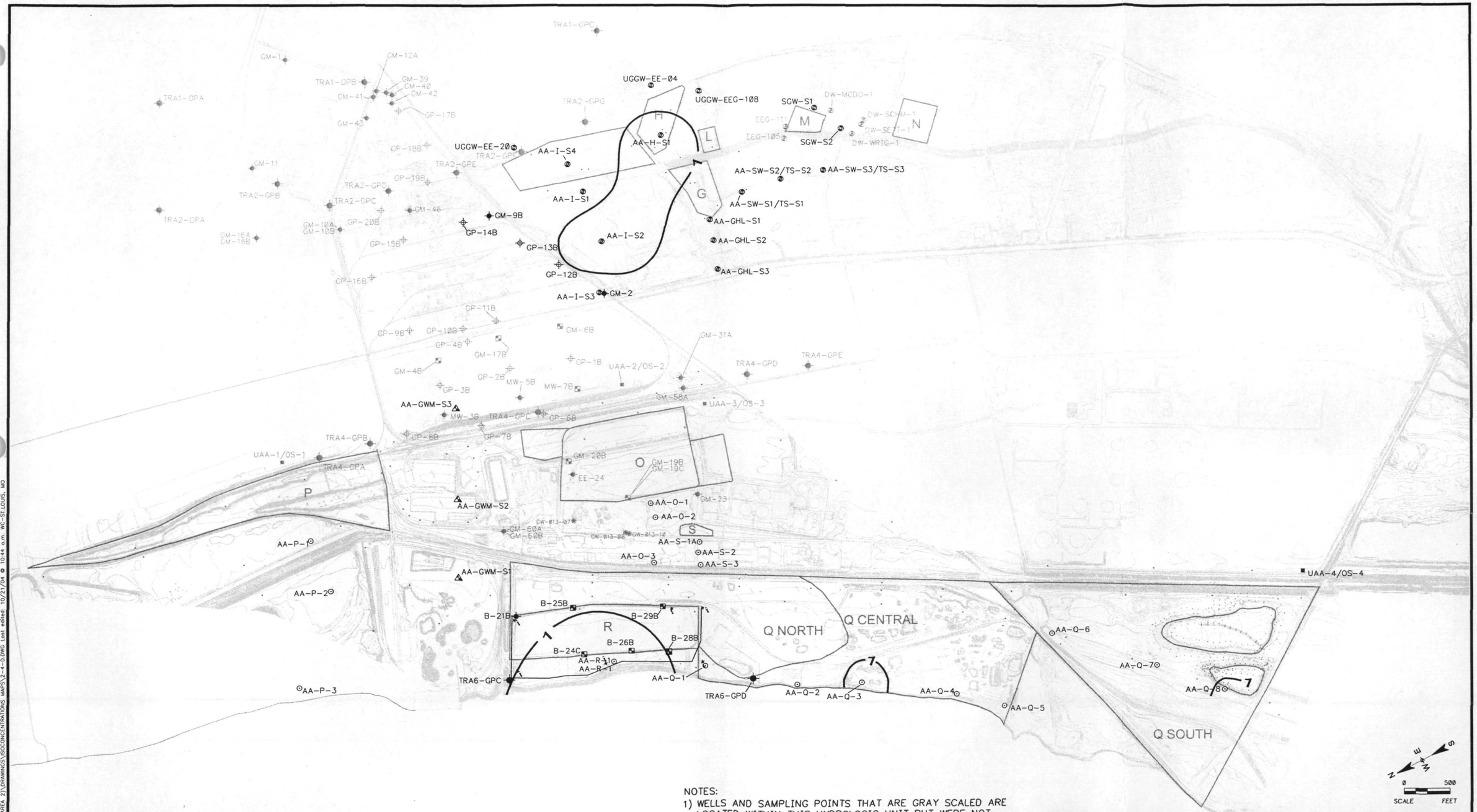

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

— 70 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4,-D (Medium)
	FIG. NO. 1

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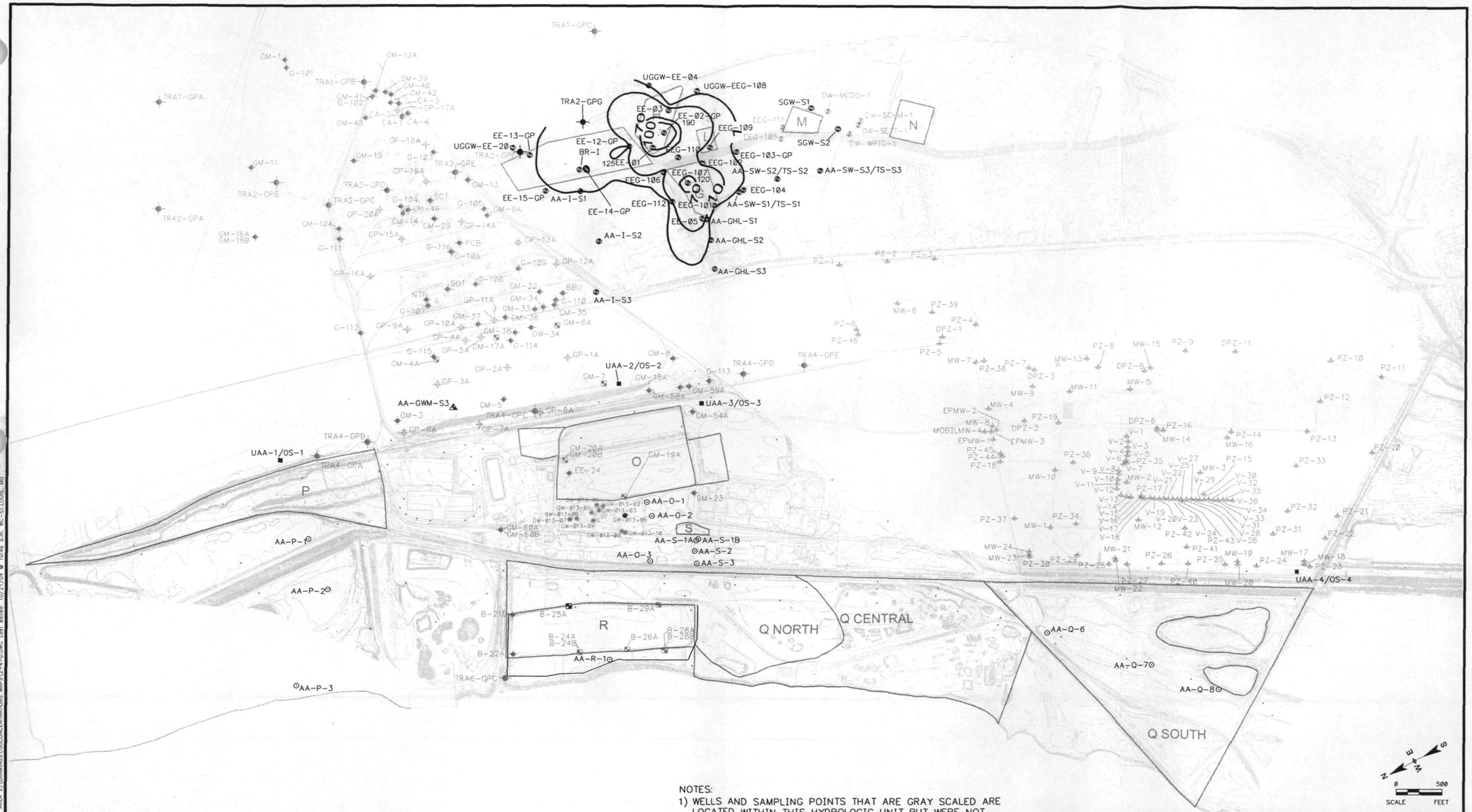

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

70 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4,-D (Shallow)
	FIG. NO. 1

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Table 14A

2,4-Dichlorophenol Exceedances
Shallow
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-R-1-28	19-Jul-02	250	21	ug/l		U	Sauget Area 2 2002
B-24A	13-Aug-03	35000	21	ug/l			Krummrich Well Sampling
B-25A	13-Aug-03	120000	21	ug/l			Krummrich Well Sampling
B-29A	13-Aug-03	32000	21	ug/l			Krummrich Well Sampling
EE-02-GP	04-Nov-99	310	21	ug/l			Sauget Area 1
EE-02-GPFD	04-Nov-99	430	21	ug/l	D		Sauget Area 1
EEG-107	07-Oct-99	3600	21	ug/l			Sauget Area 1
EEG-109	11-Oct-99	26	21	ug/l			Sauget Area 1

Table 14B

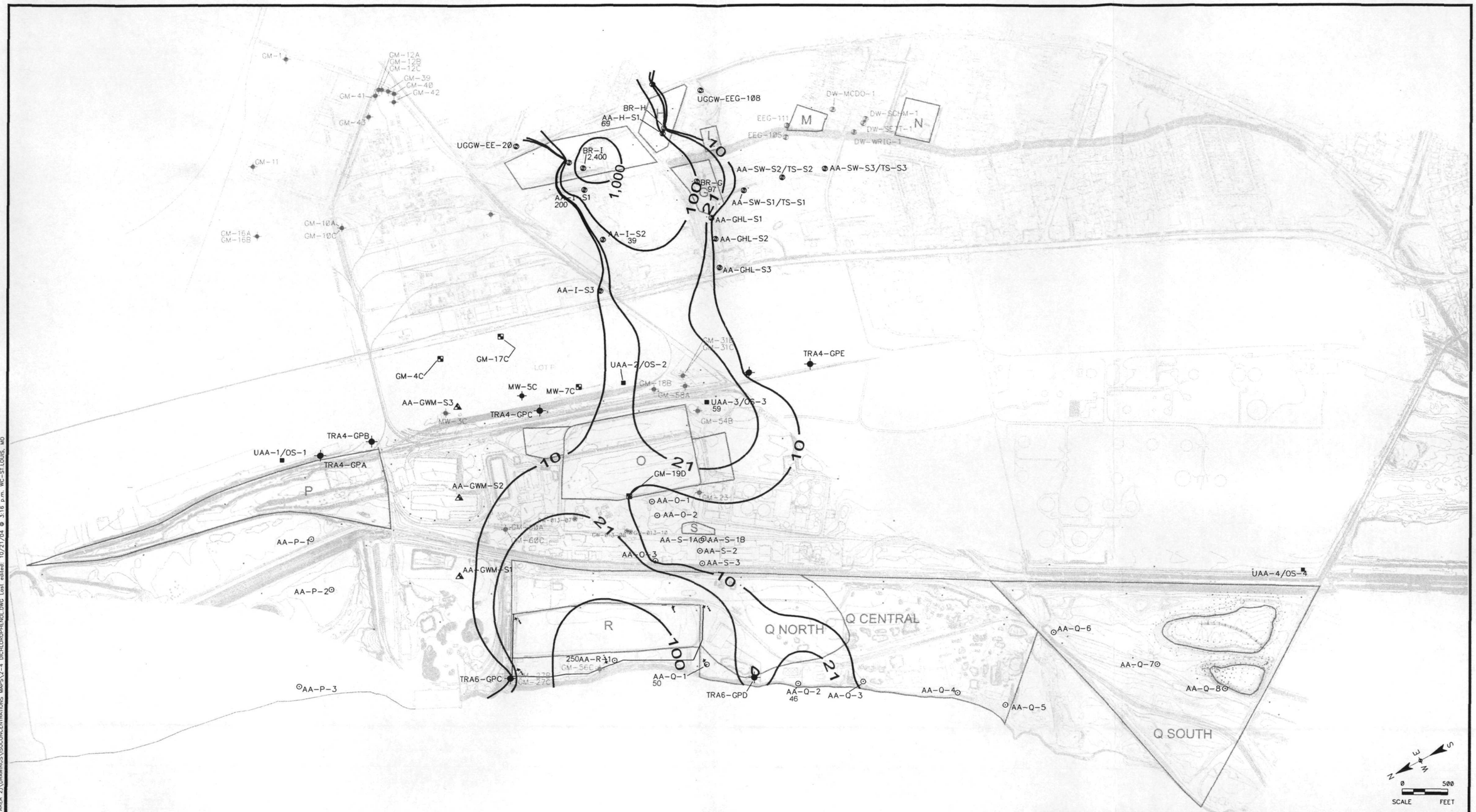
2,4-Dichlorophenol Exceedances
Medium
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-2-60	18-Jul-02	43	21	ug/l		B	Sauget Area 2 2002
GW-AA-R-1-48	19-Jul-02	250	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-58	22-Jul-02	1000	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-68	22-Jul-02	1000	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-78	22-Jul-02	500	21	ug/l		U	Sauget Area 2 2002
TRA1-GPC44	07-Jul-03	25	21	ug/l	U		Krummrich CA-750 Profiling
TRA1-GPC74	07-Jul-03	25	21	ug/l	U		Krummrich CA-750 Profiling
B-24C	14-Aug-03	73000	21	ug/l	D		Krummrich Well Sampling
B-25B	12-Aug-03	63000	21	ug/l	D		Krummrich Well Sampling
B-28B	13-Aug-03	41000	21	ug/l	D		Krummrich Well Sampling
B-28B-D	13-Aug-03	38000	21	ug/l	D		Krummrich Well Sampling
B-29B	14-Aug-03	61000	21	ug/l	D		Krummrich Well Sampling
AA-H-S1-53-57FT	10-Mar-00	22	21	ug/l	J		Sauget Area 1
AA-H-S1-63-67FT	10-Mar-00	57	21	ug/l	J		Sauget Area 1
AA-H-S1-73-77FT	13-Mar-00	29	21	ug/l			Sauget Area 1
AA-H-S1-73-77FTFD	13-Mar-00	29	21	ug/l			Sauget Area 1
AA-I-S1-57-61FT	16-Dec-99	250	21	ug/l	U		Sauget Area 1
AA-I-S1-67-71FT	17-Dec-99	42	21	ug/l			Sauget Area 1
AA-I-S2-46-50FT	07-Dec-99	21	21	ug/l			Sauget Area 1
AA-I-S3-74-78FT	08-Dec-99	32	21	ug/l			Sauget Area 1

Table 14C

2,4-Dichlorophenol Exceedances
Deep
Sauget Area 2

Sample ID	Sample Date	Final Result	Screening Value	Units	Lab Qualifiers	URS Qualifiers	Project
GW-AA-Q-1-127 1/2	30-Jul-02	50	21	ug/l		U	Sauget Area 2 2002
GW-AA-Q-1-127 1/2-DUP	30-Jul-02	50	21	ug/l		U	Sauget Area 2 2002
GW-AA-Q-2-80FT	18-Jul-02	46	21	ug/l		B	Sauget Area 2 2002
GW-AA-R-1-108	23-Jul-02	240	21	ug/l			Sauget Area 2 2002
GW-AA-R-1-118	23-Jul-02	250	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-128	23-Jul-02	50	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-131	23-Jul-02	250	21	ug/l		U	Sauget Area 2 2002
GW-AA-R-1-98	23-Jul-02	98	21	ug/l			Sauget Area 2 2002
GW-UAA-3-104	13-Jun-02	52	21	ug/l			Sauget Area 2 2002
GW-UAA-3-114	13-Jun-02	59	21	ug/l			Sauget Area 2 2002
GW-UAA-3-116	13-Jun-02	53	21	ug/l			Sauget Area 2 2002
AA-H-S1-83-87FT	13-Mar-00	35	21	ug/l			Sauget Area 1
AA-H-S1-93-97FT	15-Mar-00	69	21	ug/l			Sauget Area 1
AA-I-S1-87-91FT	21-Dec-99	200	21	ug/l	U		Sauget Area 1
AA-I-S1-97-101FT	21-Dec-99	47	21	ug/l	J		Sauget Area 1
AA-I-S2-96-100FT	13-Dec-99	39	21	ug/l	J		Sauget Area 1
BR-G	01-May-00	63	21	ug/l	J		Sauget Area 1
BR-GFD	01-May-00	97	21	ug/l	J		Sauget Area 1
BR-I	25-Apr-00	2400	21	ug/l			Sauget Area 1



LEGEND

100 — CONCENTRATION CONTOUR (ppb)

21 — MCL/PRG VALVE

DEEP 81-120FT BGS

NOTE:
WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4, Dichlorophenol (Deep)
	FIG. NO. 1

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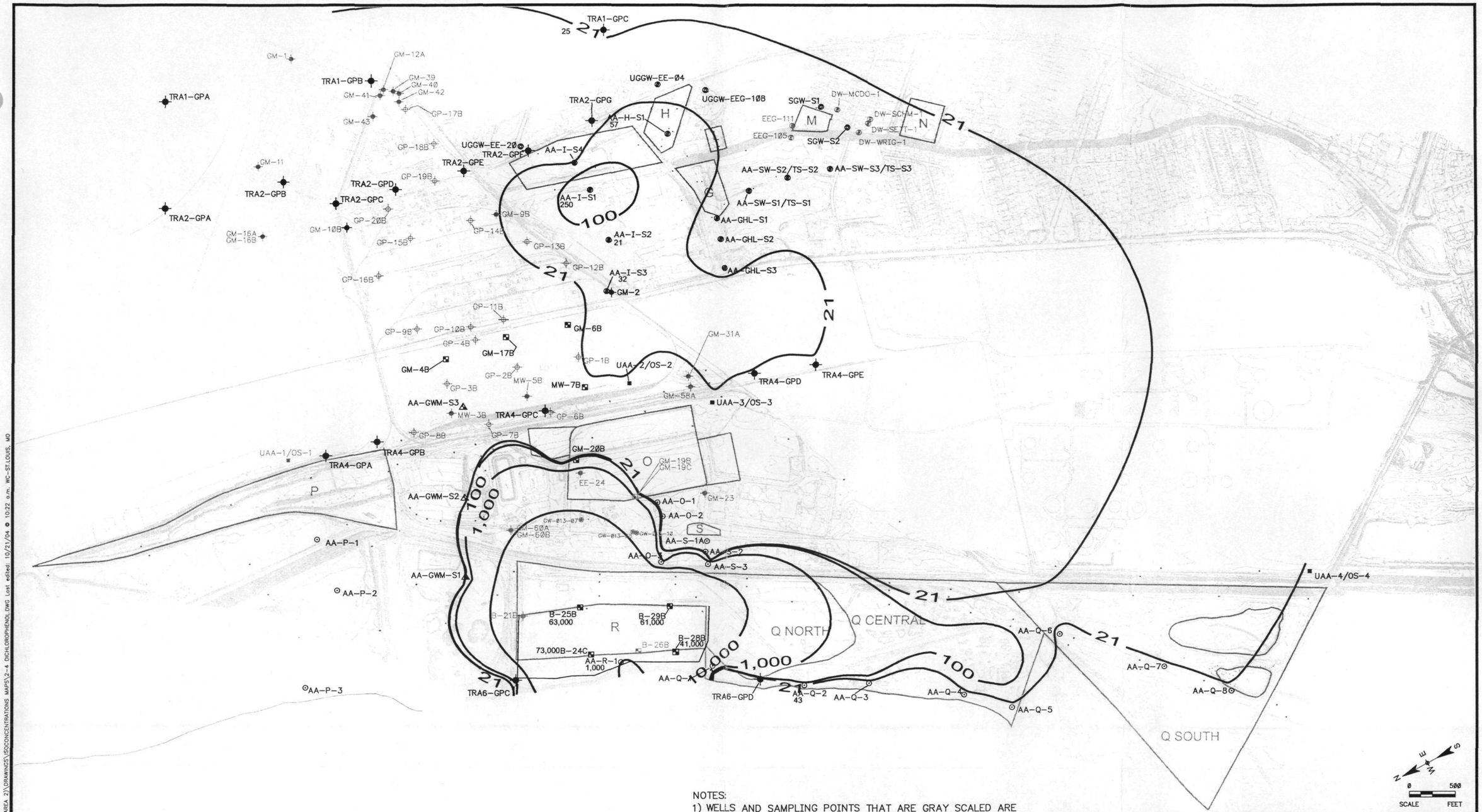

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

21 — MCL/PRG VALVE

MEDIUM 41-80FT BGS

SAUGET AREA 2 SAUGET, ILLINOIS		PROJECT NO. 21560888.07001
URS		
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4, Dichlorophenol (Medium)	FIG. NO. 1

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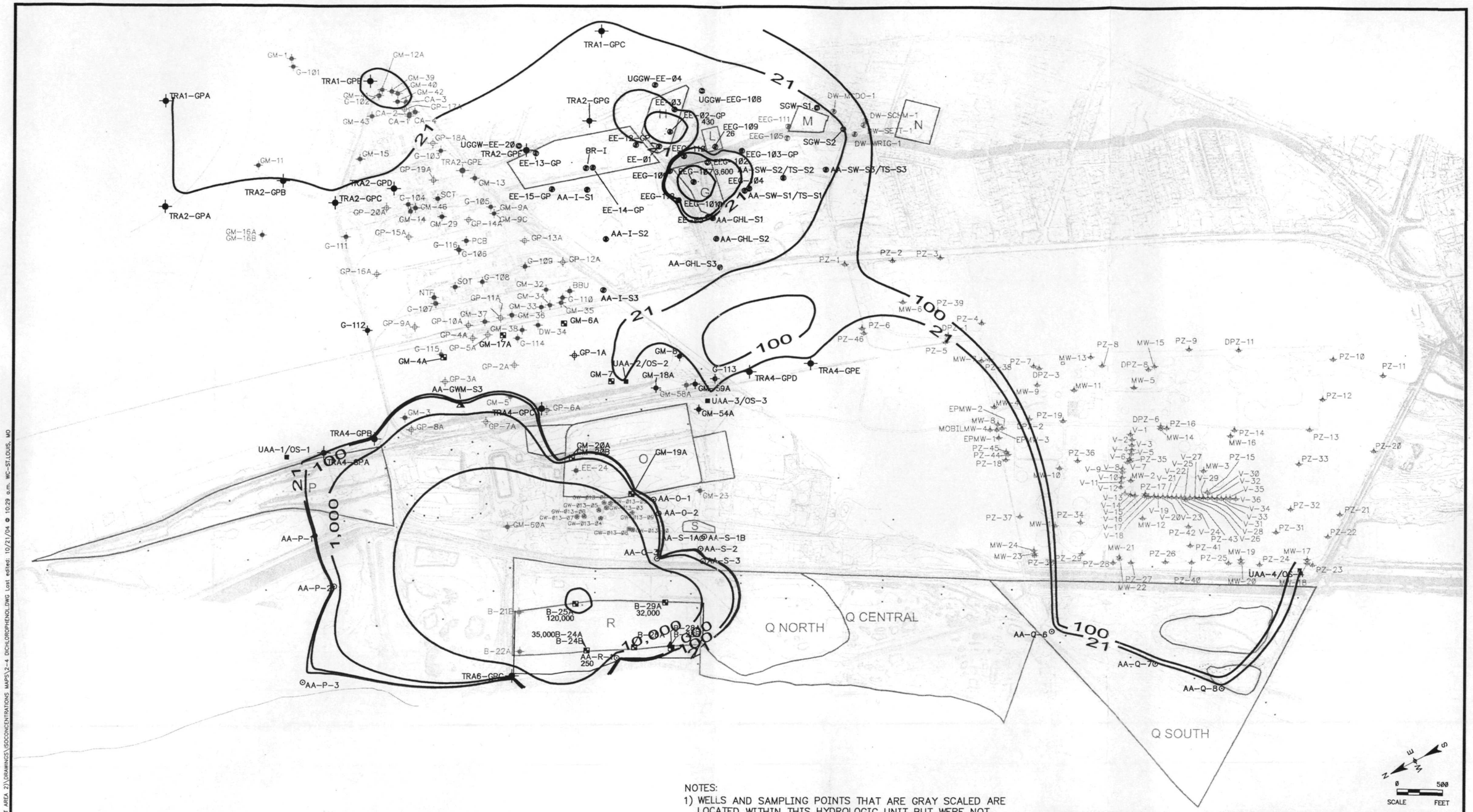

LEGEND

100 — CONCENTRATION CONTOUR (ppb)

21 — MCL/PRG VALVE

SHALLOW 0-40FT BGS

NOTES:

1) WELLS AND SAMPLING POINTS THAT ARE GRAY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT BUT WERE NOT SAMPLED. THE WELLS AND SAMPLING POINTS THAT HAD A SAMPLE COLLECTED ARE IN BLACK. IF A SAMPLE EXCEEDED THE CORRESPONDING SCREENING LEVEL, THE CONCENTRATION IS PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. FOR SAMPLES THAT DID NOT HAVE A CONCENTRATION EXCEED THE SCREENING LEVEL, THERE IS NO CONCENTRATION PRESENTED.

2) PRELIMINARY, SOFTWARE-GENERATED DRAFT. RESULTS NOT VALIDATED, FOR DISCUSSION PURPOSES ONLY.

SAUGET AREA 2 SAUGET, ILLINOIS	PROJECT NO. 21560888.07001
URS	
DRN. BY: djd 10/7/04 DSGN. BY: bh CHKD. BY:	Isoconcentration Map 2,4, Dichlorophenol (Shallow)
	FIG. NO. 1

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