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GROUNDWATER SPECIALISTS

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REMEDIAL DESIGN WATER QUALITY INVESTIGATION

OPERABLE UNIT SIX (GROUNDWATER) TASK REPORT

Prepared for: December 1995

Whitmoyer Laboratories Private Study Group

GeoTrans, inc.
GROUNDWATER SPECIALISTS

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December 11, 1995

Mr. Christopher J. Corbett, RPM
Central Pennsylvania Section
Hazardous Waste Management Division
USEPA, Region III (3HW24)
841 Chestnut Building
Philadelphia, PA 19107

Reference: Transmission of Remedial Design Water Quality Task Report
Whitmoyer Laboratories Site
Operable Unit 6 (Groundwater) Remedial Design

Dear Mr. Corbett:

Enclosed please find one copy of "Remedial Design Water Quality Investigation: Operable Unit Six (Groundwater) Task Report" for your review. This report presents the procedures, results, and findings for the two major sampling events conducted during the Remedial Design investigation. The first event, Round One, includes samples collected during the packer testing (analyzed for arsenic, VOCs, and aniline) and speciation (analyzed for total arsenic only) tasks. The second event, Round Two, includes a comprehensive round of sampling from all accessible wells (analyzed for arsenic, VOCs, and SVOCs plus aniline).

Water quality information from historic events and other Remedial Design events has been included in the discussion of results to enhance our interpretation of the extent of contamination over time and space. This information, together with hydrogeologic information from other task reports, is being used to develop the remedial design for groundwater extraction and treatment.

As per your request, the quality assurance reports, containing the laboratory summary sheets for the data presented in this Task report, were sent to you, Mr. David Brayack, and Ms. Cynthia Metzger under separate cover on November 15, 1995.

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If you have any questions, please do not hesitate to call.

Sincerely,

Lisa L. August

Lisa L. August
Principal Hydrogeologist

LLA/la

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REMEDIAL DESIGN WATER QUALITY INVESTIGATION

OPERABLE UNIT SIX (GROUNDWATER) TASK REPORT

Submitted to:

U.S. Environmental Protection Agency

Prepared for:

Whitmoyer Laboratories Private Study Group

Prepared by:

GeoTrans, Inc.
46050 Manekin Plaza, Suite 100
Sterling, Virginia 20166

GeoTrans Project No. 7579-305

December 11, 1995

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1 INTRODUCTION

1.1 OVERVIEW

The Whitmoyer Laboratories Private Study Group (WLPSG) is conducting investigations at the Whitmoyer Laboratories Superfund site in Myerstown, Pennsylvania to collect information for the design of an extraction and treatment remedy for Operable Unit Six (Groundwater). The Remedial Design (RD) investigation consists of several data collection activities that are performed in a phased approach so that the results of one activity may be used to focus the scope of subsequent activities. The field program for the RD investigation is summarized in Figure 1.1. This report describes the procedures and results for groundwater sampling activities conducted during the investigation. The work was conducted in accordance with protocols and procedures specified in the following documents:

- "Work Plan for Remedial Design of Ground Water Operable Unit Six" (May 1994): Sections 3.1.3 and Appendix E.
- "Protocol for Aquifer Tests: Packer Testing" (May 1994).
- "Protocol for Arsenic Speciation Studies" (July 1994).
- "Groundwater Sampling Plan" (August to Corbett transmittal, January 11, 1995)

The work was performed in two events. Round One consisted of: (1) interval sampling at packer testing wells for total arsenic; and (2) sampling for total arsenic at wells selected for speciation analysis. Round One sampling was conducted May 6-July 13, 1994. Round Two was a comprehensive sampling of all accessible monitoring wells for total and dissolved arsenic, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs) plus aniline. Round Two sampling was conducted January 25-March 8, 1995. Additional samples, collected during other Remedial Design tasks, have been used

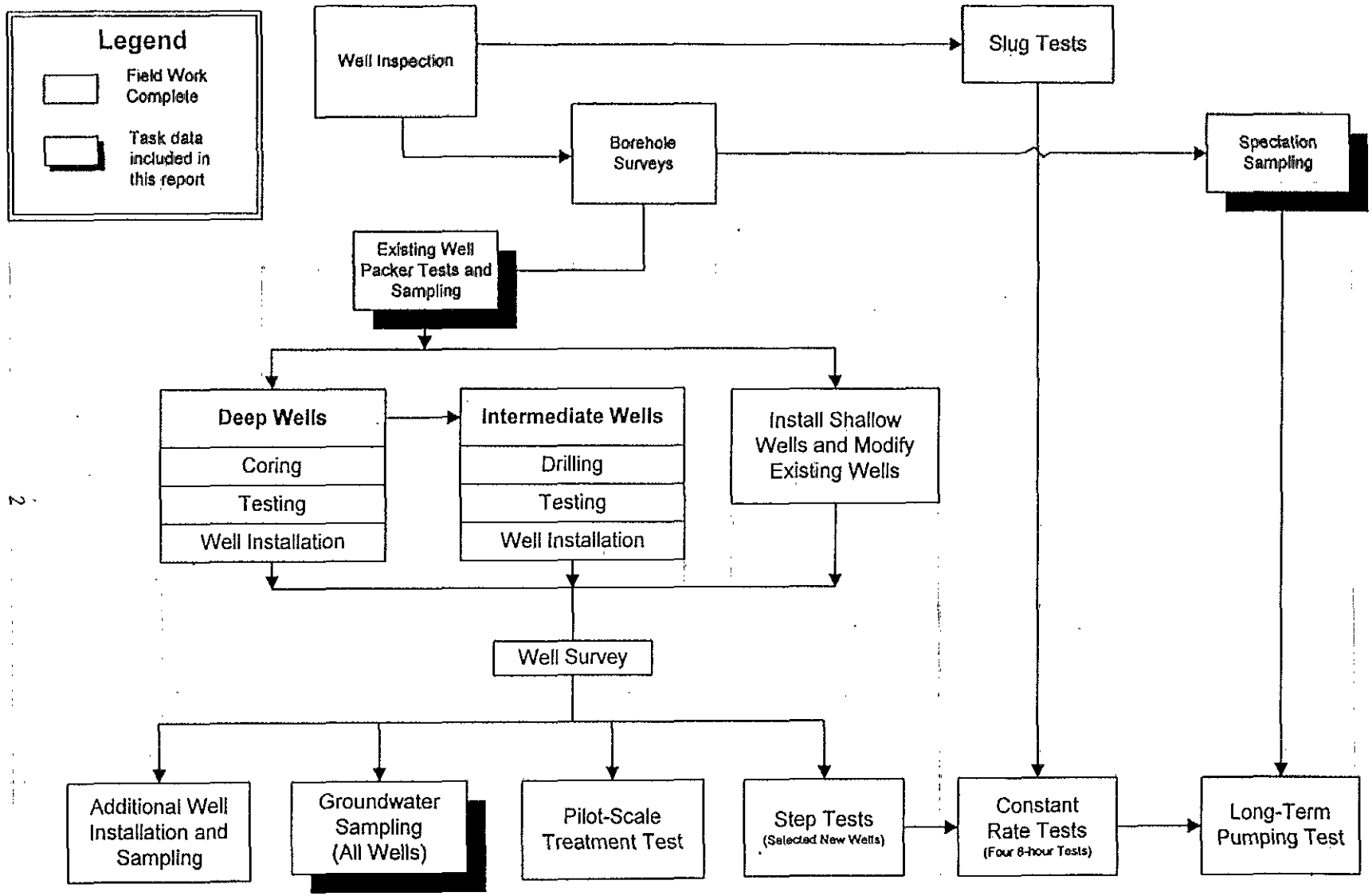

Figure 1.1. Field Program for remedial design investigation of Operable Unit Six (groundwater).

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to provide the largest possible data set for water quality analysis. The procedures and results for these additional sampling events are described in detail in other OU-Six Task reports (e.g., coring and well installation report, additional well installation report) All sample results considered in this analysis have been validated.

1.2 PURPOSE AND OBJECTIVES

Groundwater sampling was performed during the RD investigation to supplement the water quality data collected during the Remedial Investigation (RI). The main objective of Round One sampling was to characterize the vertical distribution of contaminants in the aquifer. These data were also used to refine the approach for other investigation tasks including well installation and constant-rate pumping tests. The main objective of Round Two sampling was to obtain a comprehensive set of water quality data after completion of the monitoring well network to characterize the horizontal extent of contamination.

The data from these sampling events, combined with data from the RI, indicate changes in water quality over time that will be useful for design of the long-term groundwater extraction system. Water quality data will be used in contaminant transport analyses to quantitatively assess the source areas of groundwater contamination. These data also will be used to develop estimates for influent concentrations for the remedial design treatment system.

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2 SAMPLING PROCEDURES

2.1 ROUND ONE SAMPLING

2.1.1 SAMPLE LOCATION AND NUMBER

The monitoring locations for Round One sampling are shown in Figure 2.1. The locations include wells sampled during packer testing and wells sampled during speciation studies. From the packer testing activity, 16 of the 20 test wells produced samples. Four test wells (MW110B, MW111A, MW113B, and MW206B) had no interval with sufficient yield to produce a sample. In two wells (MW002 and MW013), two test intervals yielded sufficient discharge to produce samples. In all other wells, only one test interval had sufficient yield to produce a set of samples. Therefore, 18 groups of samples were collected. A group includes three samples collected sequentially in time during the packer pumping test.

Twenty-two wells were sampled for the speciation study, including the four wells, listed above, that were not successfully packer tested. The results of speciation analyses were reported in the task report "Arsenic Speciation in Groundwater at the Whitmoyer Laboratories Superfund Site" (April 28, 1995) and are not repeated here. Twenty samples, collected during that task for total arsenic analysis, are included with this report. Samples were not collected at two of the speciation study wells (MW015A and MW117A) due to an oversight in the field. Otherwise, the locations for all Round One sampling were in accord with the approved work plan and protocols.

2.1.2 SAMPLE COLLECTION

Purging/sampling equipment for Round One consisted of either a low-flow submersible pump (GrundFOS) with disposable polyethylene tubing or disposable polyethylene bailers. All reusable equipment in contact with the borehole (i.e., field probes, pump, packer setup) was decontaminated prior to use at another well. Field probes were rinsed with distilled water after each use. Decontamination of pumps consisted of a: (1) wash with low-sudsing, nonphosphate detergent; (2) rinse with potable water; (3) rinse with

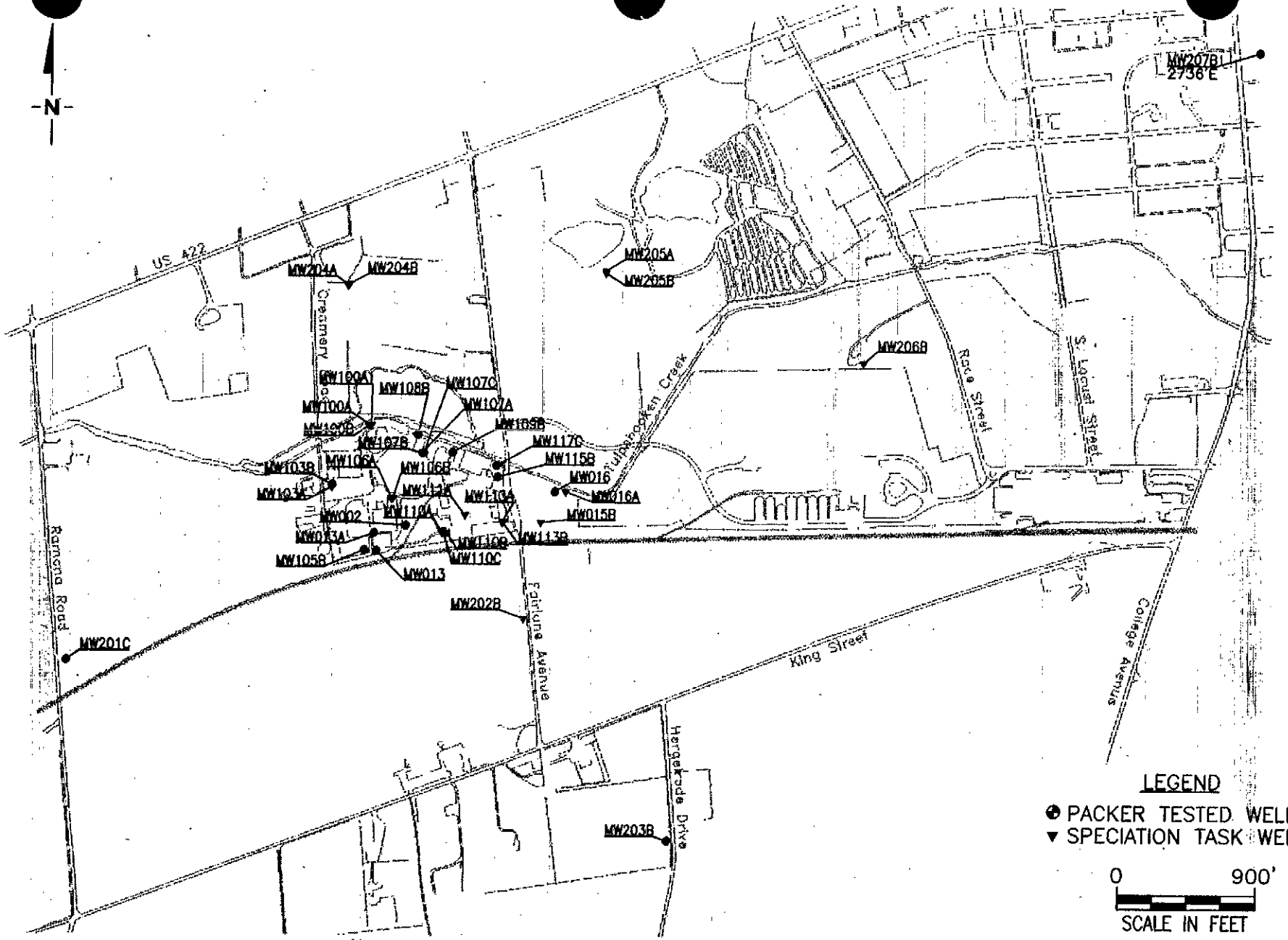

Figure 2.1. Round One sampling locations.

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distilled water; (4) spray wash with nitric acid; and (5) rinse with deionized water. Packers and piping were steam-cleaned.

Sample collection procedures for the two tasks (packer testing and speciation study) are described below.

1. **Interval Sampling During Packer Tests**
   A group of three groundwater samples (one primary and two supplemental samples) was collected from each packer test zone that yielded greater than 1 gallon per minute (gpm). The first sample (supplemental) was collected after one interval volume (i.e., volume between packers) had been purged from the packer test system. Collection times for the second (supplemental) and third (primary) samples varied based on the yield of the test interval. For higher-yielding intervals (>2 gpm), samples were collected after the second and third volumes had been purged, respectively. For low-yielding intervals, the second and third samples were collected within thirty minutes after purge of the first interval volume. The supplemental samples were collected to evaluate purging effects on water quality.

   Parameters including temperature, pH, and specific conductance were measured by field meters after removal of each well volume. Purge water samples were visually inspected for turbidity and color.

2. **Sampling During Speciation Studies**
   One primary groundwater sample was collected from those speciation study wells that were not packer tested. All wells were purged prior to sampling by removing three well volumes. Parameters including temperature, pH, and specific conductance were measured by field meters after removal of each well volume. Purge water samples were visually inspected for turbidity and color. Samples collected by bailer were discharged to sample containers from the bottom of the bailer. Samples collected by low-flow pump were discharged to sample containers directly from the pump discharge hose.

Quality assurance (QA) samples, including trip blanks, field equipment blanks, and duplicates, were collected in accordance with the packer testing and speciation study protocol. One trip blank was shipped for each day of sampling along with the sample cooler containing the VOC sample vials. Duplicate samples were collected at a frequency of one per twenty primary samples and were submitted to the laboratory as blind samples. Two

field equipment blanks were collected during packer testing and one field equipment blank was collected during speciation sampling.

Samples were labeled and stored in coolers or in an on-site sample refrigerator until pick-up by a courier at the end of each day of sampling. Chain-of-custody was maintained at all times. The samples were delivered to Lancaster Laboratories, Inc. (LLI) in Lancaster, Pennsylvania within 24 hours of sample collection.

Sample collection information (including well ID, sample ID, date, time, sampling interval, and analyses requested) is summarized in Table 2.1. Field measurements and observations made during purging (including pH, specific conductance, and turbidity) are summarized for speciation task samples and packer test samples in Tables 2.2 and 2.3, respectively.

All offsite sampling was performed in Personal Protection Level D (steel-toed boots, inner and outer chemical resistant gloves, safety glasses). All onsite sampling was performed in Personal Protection Level D+ (hard hat, steel-toed boots, chemical-resistant overboots, inner and outer chemical resistant gloves, safety glasses). For decontamination activities, Personal Protection Level D+ was used with the addition of polycoated-tyvek protective coveralls. A photoionization meter (Hnu) was used to monitor real-time air quality at the well head and worker breathing zone. No exposure incidents occurred during field activity.

2.2 ROUND TWO SAMPLING PROCEDURES

2.2.1 SAMPLE NUMBER AND LOCATION

The monitoring locations for Round Two sampling are shown in Figure 2.2. All existing WLPSG monitoring wells were sampled. Additionally, accessible residential wells that were monitored during the Remedial Investigation were sampled. Samples were collected from 82 wells. Samples were not collected from residential wells RW009, RW010, and RW013 because these wells had been disconnected from the household tap and were not accessible at the wellhead.

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Table 2.1. Round One Sample Description.

Well ID	Field ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW002	1786H-MW2-B1	S	6/22/94	1036	2147412	As (total)
MW002	1786H-MW2-B2	S	6/22/94	1053	2147413	As (total)
MW002	1786H-MW2-B3	S	6/22/94	1108	2147411	As (total), VOCs, Aniline
MW002	1786H-MW2-B4	S	6/22/94	1454	2148071	As (total)
MW002	1786H-MW2-B5	S	6/22/94	1504	2148072	As (total)
MW002	1786H-MW2-B6	S	6/22/94	1514	2148073	As (total), VOCs, Aniline
MW013	1786H-MW13-A1	S	6/8/94	1036	2138771	As (total)
MW013	1786H-MW13-A2	S	6/8/94	1053	2138772	As (total)
MW013	1786H-MW13-A3	S	6/8/94	1109	2138773	As (total), VOCs, Aniline
MW013	1786H-MW13-A4	S	6/8/94	1410	2139621	As (total)
MW013	1786H-MW13-A5	S	6/8/94	1432	2139622	As (total)
MW013	1786H-MW13-A6	S	6/8/94	1450	2139623	As (total), VOCs, Aniline
MW013A	1786H-MW13A-B1	S	6/7/94	1027	2138407	As (total)
MW013A	1786H-MW13A-B2	S	6/7/94	1127	2138408	As (total)
MW013A	1786H-MW13A-B3	S	6/7/94	1155	2138409	As (total), VOCs, Aniline
MW015B	1786H-MW15B-B1	S	7/11/94	1335	2155386	As (total)
MW016	1786H-MW16-B1	S	5/24/94	1045	2132633	As (total)
MW016	1786H-MW16-B2	S	5/24/94	1050	2132634	As (total)
MW016	1786H-MW16-B3	S	5/24/94	1100	2132635	As (total), VOCs, Aniline
MW016A	1786H-MW16A-B2	S	7/11/94	1625	2155387	As (total)
MW016A	1786H-MW22-B3 (duplicate of MW016A-B2)	DP	7/11/94	1625	2155388	As (total)
MW100A	1786H-MW100A-A1	S	6/30/94	1730	2151632	As (total)
MW100A1	1786H-MW100A1-A2	S	7/1/94	1328	2151634	As (total)
MW100B	1786H-MW100B-A1	S	7/1/94	1220	2151633	As (total)
MW103A	1786H-MW103A-B1	S	7/5/94	1450	2152760	As (total)
MW103B	1786H-MW103B-B1	S	6/16/94	1715	2144880	As (total)
MW103B	1786H-MW103B-B2	S	6/16/94	1720	2144881	As (total)
MW103B	1786H-MW103B-B3	S	6/16/94	1725	2144882	As (total), VOCs, Aniline
MW103B	1786H-MW21-B4 (duplicate of MW103B-B3)	DP	6/16/94	1725	2144883	As (total), VOCs, Aniline
MW105B	1786H-MW105B-B1	S	5/26/94	1326	2133818	As (total)
MW105B	1786H-MW105B-B2	S	5/26/94	1341	2133819	As (total)
MW105B	1786H-MW105B-B3	S	5/26/94	1356	2133820	As (total), VOCs, Aniline
MW106A	1786H-MW106A-B2	S	6/28/94	1545	2150462	As (total)
MW106B	1786H-MW106B-B1	S	6/28/94	1310	2150461	As (total)
MW107A	1786H-MW107A-B3	S	6/28/94	1509	2150463	As (total)
MW107B	1786H-MW107B-A1	S	6/17/94	1320	2144885	As (total)
MW107B	1786H-MW107B-A2	S	6/17/94	1325	2144886	As (total)
MW107B	1786H-MW107B-A3	S	6/17/94	1335	2144887	As (total), VOCs, Aniline
MW107C	1786H-MW107C-A1	S	6/13/94	1458	2141789	As (total)

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Table 2.1. Round One Sample Description (continued).

Well ID	Field ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW107C	1786H-MW107C-A2	S	6/13/94	1513	2141790	As (total)
MW107C	1786H-MW107C-A3	S	6/13/94	1529	2141791	As (total), VOCs, Aniline
MW108B	1786H-MW108B-B1	S	6/9/94	1145	2139583	As (total)
MW108B	1786H-MW108B-B2	S	6/9/94	1152	2139584	As (total)
MW108B	1786H-MW108B-B3	S	6/9/94	1200	2139585	As (total), VOCs, Aniline
MW109B	1786H-MW109B-A1	S	6/13/94	1037	2141786	As (total)
MW109B	1786H-MW109B-A2	S	6/13/94	1047	2141787	As (total)
MW109B	1786H-MW109B-A3	S	6/13/94	1057	2141788	As (total), VOCs, Aniline
MW110A	1786H-MW110A-A2	S	7/6/94	1715	2153360	As (total)
MW110B	1786H-MW110B-A1	S	7/7/94	949	2153358	As (total)
MW110C	1786H-MW110C-A1	S	6/22/94	1742	2148074	As (total)
MW110C	1786H-MW110C-A2	S	6/22/94	1751	2148075	As (total)
MW110C	1786H-MW110C-A3	S	6/22/94	1800	2148076	As (total), VOCs, Aniline
MW111A	1786H-MW111A-A2	S	7/7/94	1417	2153359	As (total)
MW113A	1786H-MW113A-B1	S	6/1/94	1412	2135932	As (total)
MW113A	1786H-MW113A-B2	S	6/1/94	1417	2135933	As (total)
MW113A	1786H-MW113A-B3	S	6/1/94	1421	2135934	As (total), VOCs, Aniline
MW113B	1786H-MW113B-A1	S	7/6/94	1045	2152762	As (total)
MW115B	1786H-MW115B-A1	S	5/25/94	1131	2133158	As (total)
MW115B	1786H-MW115B-A2	S	5/25/94	1136	2133159	As (total)
MW115B	1786H-MW115B-A3	S	5/25/94	1142	2133160	As (total), VOCs, Aniline
MW117B	1786H-MW117B-B1	S	7/12/94	1155	2155390	As (total)
MW117C	1786H-MW117C-A1	S	6/2/94	1740	2136470	As (total)
MW117C	1786H-MW117C-A2	S	6/2/94	1742	2136471	As (total)
MW117C	1786H-MW117C-A3	S	6/2/94	1745	2136472	As (total), VOCs, Aniline
MW201C	1786H-MW201C-A1	S	5/16/94	1705	2129515	As (total)
MW201C	1786H-MW201C-A2	S	5/16/94	1723	2129516	As (total)
MW201C	1786H-MW201C-A3	S	5/16/94	1747	2129514	As (total), VOCs, Aniline
MW202B	1786H-MW202B-B1	S	7/13/94	1342	2156525	As (total)
MW203B	1786H-MW203B-B1	S	5/13/94	1429	2128289	As (total)
MW203B	1786H-MW203B-B2	S	5/13/94	1440	2128290	As (total)
MW203B	1786H-MW203B-B3	S	5/13/94	1455	2128291	As (total), VOCs, Aniline
MW204A	1786H-MW-204A-B1	S	7/6/94	1432	2152763	As (total)
MW204B	1786H-MW-204B-B2	S	7/5/94	1630	2152761	As (total)
MW205A	1786H-MW205A-A1	S	7/13/94	1540	2156526	As (total)
MW205A	1786H-MW24-A2 (duplicate of MW205A-A1)	DP	7/13/94	1540	2156527	As (total)
MW205B	1786H-MW205B-A3	S	7/13/94	1645	2156528	As (total)
MW206A	1786H-MW206A-A1	S	7/12/94	1640	2155391	As (total)
MW206B	1786H-MW206B-A2	S	7/12/94	1700	2155392	As (total)
MW206B	1786H-MW23-A3 (duplicate of MW206B-A3)	DP	7/12/94	1700	2155389	As (total)

Table 2.1. Round One Sample Description (continued).

Well ID	Field ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW207B	1786H-MW207B-B1	S	5/5/94	1824	2125039	As (total)
MW207B	1786H-MW207B-B2	S	5/5/94	1837	2125040	As (total)
MW207B	1786H-MW207B-B3	S	5/5/94	1848	2125038	As (total), VOCs, Aniline
Field Blanks:						
NA	1786H-EB-001	FB	6/10/94	1100	2140489	As (total), VOCs, Aniline
NA	1786H-EB-002	FB	6/20/94	1200	2147410	As (total), VOCs, Aniline
NA	1786H-EB-003	FB	7/12/94	1645	2155385	As (total)
Trip Blanks:						
NA	1786H-TB-1	TB	5/5/94	NA	2125041	VOCs
NA	1786H-TB-002	TB	5/13/94	NA	2128292	VOCs
NA	1786H-TB-003	TB	5/16/94	NA	2129517	VOCs
NA	1786H-TB-B4	TB	5/24/94	NA	2132636	VOCs
NA	1786H-TB-005	TB	5/25/94	NA	2133161	VOCs
NA	1786H-TB-006	TB	5/26/94	NA	2133821	VOCs
NA	1786H-TB-007	TB	6/1/94	NA	2135935	VOCs
NA	1786H-TB-008	TB	6/2/94	NA	2136473	VOCs
NA	1786H-TB-009	TB	6/7/94	NA	2138410	VOCs
NA	1786H-TB-010	TB	6/8/94	NA	2138774	VOCs
NA	1786H-TB-011	TB	6/8/94	NA	2139624	VOCs
NA	1786H-TB-012	TB	6/9/94	NA	2139586	VOCs
NA	1786H-TB-013	TB	6/10/94	NA	2140545	VOCs
NA	1786H-TB-014	TB	6/13/94	NA	2141792	VOCs
NA	1786H-TB-015	TB	6/17/94	NA	2144884	VOCs
NA	1786H-TB-017	TB	6/23/94	NA	2148077	VOCs

S - Primary Sample
DP - Duplicate
FB - Field Blank
TP - Trip Blank
NA - Not applicable

Table 2.2. Summary of final field measurements for Round One speciation study samples.

Well ID	Sample ID	Sample Date	Sample Time	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW015B	1786H-MW15B-B1	07/11/95	1335	45	7.53	706	Cloudy
MW016A	1786H-MW16A-B2	07/11/94	1625	330	7.46	641	Clear
MW016A	1786H-MW22-B3 (Duplicate of 1786H-MW16A-B2)	07/11/94	1625	330	7.46	641	Clear
MW100A	1786H-MW100A-A1	06/30/94	1730	36	6.71	3030	Clear
MW100A1	1786H-MW100A1-A2	07/01/94	1328	5	12.2	745	Clear
MW100B	1786H-MW100B-A1	06/30/94	1220	250	7.42	352	Cloudy w/sheen
MW103A	1786H-MW103A-B1	07/05/94	1450	35	7.72	672	Clear
MW106A	1786H-MW106A-B3	06/28/94	1545	125	7.85	653	Clear
MW106B	1786H-MW106B-B1	06/28/94	1310	275	8.20	650	Clear
MW107A	1786H-MW107A-B3	07/01/94	1509	75	7.28	1830	Clear
MW110A	1786H-MW110A-A2	07/06/94	1715	100	7.01	738	Clear
MW110B	1786H-MW110B-A1	07/07/94	0949	100	7.69	908	Clear
MW111A	1786H-MW111A-A2	07/07/94	1417	120	8.23	937	Clear
MW113B	1786H-MW113B-A1	07/06/94	1045	615	7.44	1960	Clear
MW117B	1786H-MW117B-B1	07/12/94	1155	450	6.46	1340	Clear
MW202B	1786H-MW202B-B1	07/13/94	1342	225	7.40	608	Clear
MW204A	1786H-MW204A-B1	07/06/94	1432	85	7.60	720	Clear
MW204B	1786H-MW204B-B2	07/05/94	1630	30	7.23	893	Clear
MW205A	1786H-MW205A-A1	07/13/94	1540	85	7.80	599	Clear
MW205A	1786H-MW24-A2 (Duplicate of 1786H-MW205A-A1)	07/13/94	1540	85	7.80	599	Clear
MW205B	1786H-MW205B-A3	07/13/94	1645	85	7.74	626	Clear
MW206A	1786H-MW206A-A1	07/12/94	1640	100	8.08	Probe Malfunction	Cloudy
MW206B	1786H-MW206B-A2	07/12/94	1700	405	7.92	Probe Malfunction	Clear
MW206B	1786H-MW23-A3 (Duplicate of 1786H-MW206B-A2)	07/12/94	1700	405	7.92	Probe Malfunction	Clear

Table 2.3. Summary of field measurements for Round One packer testing samples.

Well ID	Sample ID	Sample Date	Sample Time	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW002	1786H-MW2-B1	06/22/94	1036	65	8.08	465	Clear
	1786-MW2-B2	06/22/94	1053	33	8.23	652	Clear
	1786-MW2-B3	06/22/94	1108	32	8.13	625	Clear
MW002	1786H-MW2-B4	06/23/94	1454	80	7.92	786	Clear
	1786H-MW2-B5	06/23/94	1504	20	8.48	693	Clear
	1786H-MW2-B6	06/23/94	1514	20	8.67	684	Clear
MW013	1786H-MW13-A1	06/08/94	1036	3087	7.92	920	Clear
	1786H-MW13-A2	06/08/94	1053	33	7.86	810	Clear
	1786H-MW13-A3	06/08/94	1109	33	7.72	860	Clear
MW013	1786H-MW13-A4	06/08/94	1410	3400	8.51	752	Clear
	1786H-MW13-A5	06/08/94	1432	20	7.84	779	Clear
	1786H-MW13-A6	06/08/94	1450	5	7.77	805	Clear
MW013A	1786H-MW13A-B1	06/07/94	1027	66	8.43	590	Clear
	1786H-MW13A-B2	06/07/94	1127	8	8.33	570	Clear
	1786H-MW13A-B3	06/07/94	1155	3	8.04	680	Clear
MW016	1786H-MW16-B1	05/24/94	1045	1695	8.3	677	Cloudy
	1786H-MW16-B2	05/24/94	1050	40	7.65	633	Cloudy
	1786H-MW16-B3	05/24/94	1100	40	4.61	699	Cloudy
MW103B	1786H-MW103B-B1	06/16/94	1715	2435	8.43	709	Cloudy
	1786H-MW103B-B2	06/16/94	1720	2	8.12	758	Cloudy
	1786H-MW103B-B3	06/16/94	1725	2	8.19	823	Cloudy
	1786H-MW21-B4 (Duplicate of 1786H-MW103B-B3)	06/16/94	1725	2	8.19	823	Cloudy
MW105B	1786H-MW105B-B1	05/26/94	1326	45	9.64	697	Clear/Stained
	1786H-MW105B-B2	05/26/94	1341	15	8.79	707	Clear/Stained
	1786H-MW105B-B3	05/26/94	1356	15	8.36	709	Clear/Stained
MW107B	1786H-MW107B-A1	06/17/94	1320	2682	8.3	1910	Clear
	1786H-MW107B-A2	06/17/94	1325	1	8.1	1830	Clear
	1786H-MW107B-A3	06/17/94	1335	5	8.1	1900	Clear
MW107C	1786H-MW107C-A1	06/16/94	1458	1697	8.0	1560	Clear
	1786H-MW107C-A2	06/16/94	1513	63	7.88	1460	Clear
	1786H-MW107C-A3	06/16/94	1529	63	8.10	1430	Clear

Table 2.3. Summary of field measurements for Round One packer testing samples (continued).

Well ID	Sample ID	Sample Date	Sample Time	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW108B	1786H-MW108B-B1	06/09/94	1145	1059	8.0	4250	Muddy
	1786H-MW108B-B2	06/09/94	1152	38	7.27	3990	Cloudy
	1786H-MW108B-B3	06/09/94	1200	37	7.38	4010	Cloudy
MW109B	1786H-MW109B-A1	06/13/94	1037	1559	7.09	2410	Clear
	1786H-MW109B-A2	06/13/94	1047	5	6.92	2530	Clear
	1786H-MW109B-A3	06/13/94	1057	5	6.63	2430	Clear
MW110C	1786H-MW110C-A1	06/22/94	1742	322	6.66	1613	Clear
	1786H-MW110C-A2	06/22/94	1751	54	7.26	1535	Clear
	1786H-MW110C-A3	06/22/94	1800	50	7.11	1551	Clear
MW113A	1786H-MW113A-B1	06/01/94	1412	2368	8.3	679	Clear
	1786H-MW113A-B2	06/01/94	1417	24	10.25	630	Clear
	1786H-MW113A-B2	06/01/94	1421	23	8.3	637	Clear
MW115B	1786H-MW115B-A1	05/25/94	1131	363	7.18	1900	Clear
	1786H-MW115B-A2	05/25/94	1136	37	7.5	1806	Clear
	1786H-MW115B-A3	05/25/94	1142	35	7.2	2150	Clear
MW117C	1786H-MW117C-A1	06/01/94	1740	227	8.33	2760	Clear
	1786H-MW117C-A2	06/01/94	1742	9	8.2	2600	Clear
	1786H-MW117C-A3	06/01/94	1745	1	8.28	2640	Clear
MW201C	1786H-MW201C-A1	05/16/94	1705	80	8.45	832	Clear
	1786H-MW201C-A2	05/16/94	1723	20	7.78	836	Clear
	1786H-MW201C-A3	05/16/94	1747	25	7.75	817	Clear
MW203B	1786H-MW203B-B1	05/13/94	1429	52	8.56	480	Cloudy
	1786H-MW203B-B2	05/13/94	1440	26	8.89	480	Clear
	1786H-MW203B-B3	05/13/94	1455	26	8.79	450	Clear
MW207B	1786H-MW207B-B1	05/06/94	1824	84	8.53	652	Clear
	1786H-MW207B-B2	05/06/94	1837	42	8.36	685	Clear
	1786H-MW207B-B3	05/06/94	1848	42	8.20	660	Clear

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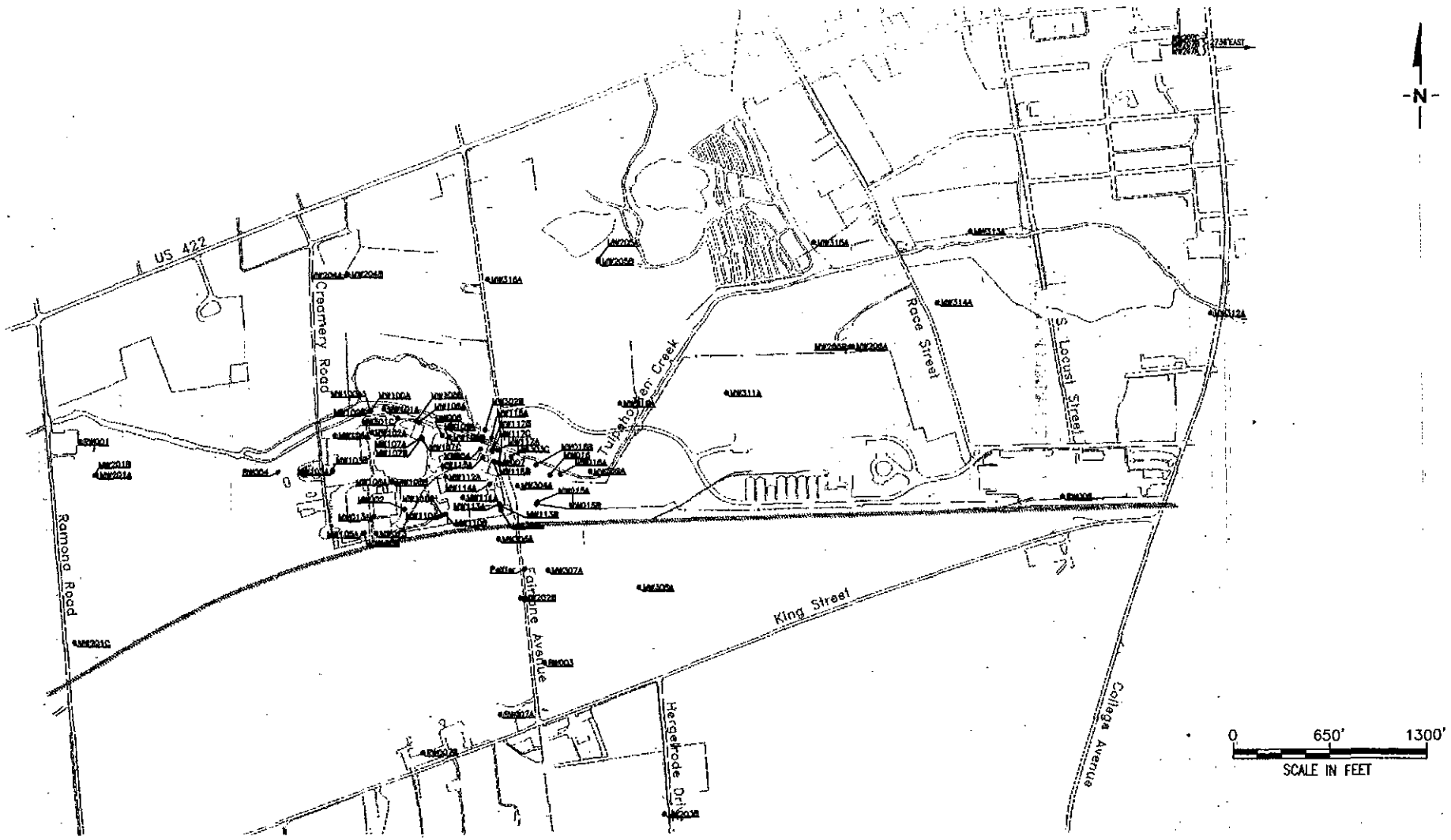

Figure 2.2. Round Two sampling locations.

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2.2.2 SAMPLE COLLECTION

Purging/sampling equipment for Round Two consisted of a low-flow submersible pump (GrundFOS) or pneumatic pump (QED Well Wizard) with disposable polyethylene tubing. Disposable polyethylene bailers were also used. All reusable equipment in contact with the borehole (i.e., field probes, pumps) was decontaminated prior to use at another boring. Field probes were rinsed with distilled water after each use. Decontamination of pumps consisted of a: (1) wash with low-sudsing, nonphosphate detergent; (2) rinse with potable water; (3) rinse with distilled water; (4) spray wash with nitric acid; and (5) rinse with deionized water.

Purging equipment and procedures varied depending on the well type at each sample station. Equipment and procedures for each type of sample station are described below:

- **Residential Well With Working Pump:** The cold water tap closest to the well was run to purge the piping. If a water treatment system was present, a garden hose was connected to a tap prior to the treatment system. The garden hose was run into 55-gallon drums staged on pallets outside the home. Purging was stopped after 15 minutes if pH and specific conductance parameters had stabilized. Otherwise, purging continued until these parameters stabilized or for 30 minutes, whichever occurred first.

- **Monitoring Wells With Two-Inch Well Diameter:** After measuring the static water level to calculate the well volume, a low flow submersible pump (e.g., GrundFOS) or pneumatic pump (e.g., QED) was set in the well with the pump intake above the open interval. At least three well volumes were purged unless the well yield was less than 1 gpm (see special purging protocol below). Temperature, pH, and specific conductance were measured after each well volume. If, after three well volumes, these parameters had not stabilized, purging was continued until pH and specific conductance had stabilized or five well volumes had been removed, whichever occurred first.

- **Monitoring Wells With Well Diameter Greater Than Two Inches:** After measuring the static water level to calculate the well volume, a standard submersible pump was set in the well with the pump intake above the open interval. At least three well volumes were purged unless the well yield was less than 1 gpm (see special purging protocol below). Temperature, pH, and specific conductance were measured after each well volume. If, after three well volumes, these parameters had not stabilized, purging was continued

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until pH and specific conductance had stabilized or five well volumes had been removed, whichever occurred first. This protocol was also used for residential wells that do not have working pumps (e.g., RW3, Peiffer well).

- **Special Purging Protocol for Low-flow Wells:** Wells that can not sustain a purge pumping rate of at least one gallon per minute (gpm) are considered low flow wells. At these wells, the purging procedures were modified. Only one well volume was removed from low flow wells prior to sampling. In a few cases, wells were allowed to recharge overnight to complete the purging requirement.

Sampling equipment and procedures also varied depending on the well type at each sample station. Equipment and procedures for each type of sample station are described below:

- **Residential Well With Working Pump:** After purging was completed, the flow from the tap or garden hose was reduced to a pencil-thin stream and sample containers were filled.

- **Monitoring Wells With Two-Inch Well Diameter:** After purging was completed, the flow from the pump was reduced to 1 gpm and sample containers were filled from the pump discharge hose.

- **Monitoring Wells With Well Diameter Greater Than Two Inches:** After purging was completed, the submersible pump was removed and a dedicated, disposable bailer was used to collect the sample. Sample containers were filled from a discharge port at the bottom of the bailer.

Sample containers were filled in the following order: VOCs, SVOCs, arsenic speciation, total arsenic, and dissolved arsenic. To collect the filtered portion of the sample for analysis of dissolved arsenic, the water was passed through a disposable 0.45-micron filter. For samples collected by low-flow pump, the filter was placed in line. For samples collected by bailer or from homeowner taps or garden hose, a clean, unpreserved container was filled. A peristaltic pump with the filter in line was then used to transfer this water to the final sample container. Tubing from the peristaltic pump was disposed after each sample station was completed.

Quality assurance (QA) samples, including trip blanks, field equipment blanks, duplicates, and matrix spike and matrix spike duplicate samples (MS/MSD) were collected. One trip blank was shipped for each day of sampling with the sample cooler containing the VOC sample vials. Eight field equipment blanks were collected with four submitted for the full suite of analyses and four submitted for arsenic analysis only. Three duplicate samples were submitted as blind samples to the laboratory. Three MS and MSD sample sets were collected as replicates. The MS/MSD sample water was spiked at the laboratory to create matrix spike and matrix spike duplicate samples. The MSD sample was also analyzed before spiking as an internal laboratory duplicate of the primary sample. The frequency of duplicate and MS/MSD sample collection was less than one per twenty due to an oversight in the field (the fourth sample location was canceled because it was a low-yielding well and a new location was not selected).

Samples were labeled and stored in coolers or in an on-site sample refrigerator until pickup by a courier at the end of each day of sampling. Chain-of-custody was maintained at all times. The samples were delivered to LLI within 24 hours of sample collection.

Sample collection information (including well ID, sample ID, date, time, sampling interval, and analyses requested) is summarized in Table 2.4. Field measurements and observations made during purging (including pH, specific conductance, and turbidity) are summarized in Table 2.5.

All offsite sampling was performed in Personal Protection Level D (steel-toed boots, inner and outer chemical resistant gloves). All onsite sampling was performed in Personal Protection Level D+ (hard hat, steel-toed boots, chemical-resistant overboots, inner and outer chemical resistant gloves). For decontamination activities, Personal Protection Level D+ was used with the addition of polycoated-tyvek protective coveralls. A photoionization meter (Hnu) was used to monitor real-time air quality at the well head and worker breathing zone. No exposure incidents occurred during field activity.

Table 2.4. Round Two sample description.

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW002	1786H-MW002-A01	S	3/2/95	1030	2271265	As(total), VOCs, SVOCs plus Aniline
					2271272	As(dissolved)
MW004	1786H-MW004-B2	S	3/6/95	1505	2273019	As(total), VOCs, SVOCs plus Aniline
					2273022	As(dissolved)
MW006	1786H-MW006-B3	S	3/3/95	1445	2272194	As(total), VOCs, SVOCs plus Aniline
					2272198	As(dissolved)
MW006A	1786H-MW006A-A01	S	3/3/95	1330	2272193	As(total), VOCs, SVOCs plus Aniline
					2272197	As(dissolved)
MW007	1786H-MW007-B1	S	3/8/95	800	2274776	As(total), VOCs, SVOCs plus Aniline
					2274778	As(dissolved)
MW013	1786H-MW013-A02	S	1/31/95	1430	2257317	As(total), VOCs, SVOCs plus Aniline
					2256780	As(dissolved)
MW013A	1786H-MW013A-B2 (EPA ID: WH-GROUNDWATER-003)	S[1]	2/21/95	1602	2266220	As(total), VOCs, SVOCs plus Aniline
					2266225	As(dissolved)
MW015A	1786H-MW015A-A04	S	2/1/95	1430	2257817	As(total), VOCs, SVOCs plus Aniline
					2257864	As(dissolved)
MW015B	1786H-MW015B-A01	S	2/1/95	1020	2257738	As(total), VOCs, SVOCs plus Aniline
					2257757	As(dissolved)
MW015B	1786H-MW015B-A02	MS	2/1/95	1045	2257739	As(total), VOCs, SVOCs plus Aniline
					2257758	As(dissolved)
MW015B	1786H-MW015B-A03	MSD	2/1/95	1100	2257740	As(total), VOCs, SVOCs plus Aniline
					2257759	As(dissolved)
MW016	1786H-MW016-A02	S	1/30/95	1500	2256062	As(total), VOCs, SVOCs plus Aniline
					2256071	As(dissolved)
MW016A	1786H-MW16-B3	S	2/16/95	1350	2263921	As(total), VOCs, SVOCs plus Aniline
					2263925	As(dissolved)
MW016B	1786H-MW16B-B1	S	2/17/95	930	2265173	As(total), VOCs, SVOCs plus Aniline
					2265176	As(dissolved)
MW100A	1786H-MW100A-B1 (EPA ID: WH-GWR-010)	S[1]	3/1/95	927	2270972	As(total), VOCs, SVOCs plus Aniline
					2270992	As(dissolved)
MW100A1	1786H-MW100A1-A02	S	2/3/95	1545	2258830	As(total), VOCs, SVOCs plus Aniline
					2258834	As(dissolved)
MW100B	1786H-MW100B-B2	S	3/1/95	1315	2270973	As(total), VOCs, SVOCs plus Aniline
					2270993	As(dissolved)
MW101A	1786H-MW101A-B3	S	3/1/95	1445	2270974	As(total), VOCs, SVOCs plus Aniline
					2270994	As(dissolved)

Table 2.4. Round Two sample description (continued).

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW102A	1786H-MW102A-B2	S	3/2/95	1200	2271266	As(total), VOCs, SVOCs plus Aniline
					2271273	As(dissolved)
MW103A	1786H-MW103A-B2	S	2/17/95	1410	2265174	As(total), VOCs, SVOCs plus Aniline
					2265177	As(dissolved)
MW103B	1786H-MW103B-A01	S	2/3/95	1530	2258828	As(total), VOCs, SVOCs plus Aniline
					2258833	As(dissolved)
MW104A	1786H-MW104A-B3	S	2/28/95	1425	2269281	As(total), VOCs, SVOCs plus Aniline
					2269290	As(dissolved)
MW105A	1786H-MW105A-B2	S	2/15/95	1235	2263322	As(total), VOCs, SVOCs plus Aniline
					2263325	As(dissolved)
MW105B	1786H-MW105B-A01	S	1/31/95	1010	2257316	As(total), VOCs, SVOCs plus Aniline
					2256779	As(dissolved)
MW106A	1786H-MW106A-B3 (EPA ID: WH-GROUNDWATER-004)	S[1]	2/21/95	1715	2266221	As(total), VOCs, SVOCs plus Aniline
					2266226	As(dissolved)
MW106B	1786H-MW106B-B1 (EPA ID: WH-GROUNDWATER-005)	S[1]	2/22/95	1010	2266809	As(total), VOCs, SVOCs plus Aniline
					2266813	As(dissolved)
MW107A	1786H-MW107A-B3	S	3/2/95	1545	2271268	As(total), VOCs, SVOCs plus Aniline
					2271275	As(dissolved)
MW107B	1786H-MW107B-B1	S	3/3/95	805	2272190	As(total), VOCs, SVOCs plus Aniline
					2272195	As(dissolved)
MW107C	1786H-MW107C-A02	S	2/27/95	1230	2268692	As(total), VOCs, SVOCs plus Aniline
					2268720	As(dissolved)
MW108A	1786H-MW108A-A01	S	2/2/95	915	2258005	As(total), VOCs, SVOCs plus Aniline
					2258010	As(dissolved)
MW108B	1786H-MW108B-A02	S	2/2/95	1120	2258006	As(total), VOCs, SVOCs plus Aniline
					2258011	As(dissolved)
MW109A	1786H-MW109A-B2	S	3/3/95	1100	2272191	As(total), VOCs, SVOCs plus Aniline
					2272196	As(dissolved)
MW109B	1786H-MW109B-B1	S	3/6/95	940	2273018	As(total), VOCs, SVOCs plus Aniline
					2273021	As(dissolved)
MW110A	1786H-MW110A-B1 (EPA ID: WH-GROUNDWATER-008)	S[1]	2/23/95	1107	2267654	As(total), VOCs, SVOCs plus Aniline
					2267656	As(dissolved)
MW110B	1786H-MW110B-B1	S	2/27/95	815	2268688	As(total), VOCs, SVOCs plus Aniline
					2268716	As(dissolved)
MW110C	1786H-MW110C-A01	S	2/28/95	945	2269274	As(total), VOCs, SVOCs plus Aniline
					2269283	As(dissolved)
MW110C	1786H-MW110CMS-A02	MS	2/28/95	1015	2269275	As(total), VOCs, SVOCs plus Aniline
					2269284	As(dissolved)

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Table 2.4. Round Two sample description (continued).

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW110C	1786H-MW110CMSD-A03	MSD	2/28/95	1025	2269276	As(total), VOCs, SVOCs plus Aniline
					2269285	As(dissolved)
MW111A	1786H-MW-111A-B1	S	2/24/95	835	2268245	As(total), VOCs, SVOCs plus Aniline
					2268247	As(dissolved)
MW112A	1786H-MW112A-B2	S	2/27/95	925	2268689	As(total), VOCs, SVOCs plus Aniline
					2268717	As(dissolved)
MW113A	1786H-MW113A-A03	S	3/2/95	1615	2271267	As(total), VOCs, SVOCs plus Aniline
					2271274	As(dissolved)
MW113B	1786H-MW113B-A01	S	2/27/95	900	2268691	As(total), VOCs, SVOCs plus Aniline
					2268719	As(dissolved)
MW114A	1786H-MW114A-B3	S	2/27/95	1115	2268690	As(total), VOCs, SVOCs plus Aniline
					2268718	As(dissolved)
MW115B	1786H-MW115B-A01	S	2/13/95	1310	2262135	As(total), VOCs, SVOCs plus Aniline
					2262139	As(dissolved)
MW116A	1786H-MW116A-A01	S	2/14/95	1105	2262683	As(total), VOCs, SVOCs plus Aniline
					2262693	As(dissolved)
MW117A	1786H-MW117A-A02	S	2/14/95	1540	2262679	As(total), VOCs, SVOCs plus Aniline
					2262689	As(dissolved)
MW117A	1786H-MW117AMS-A03	MS	2/14/95	1615	2262680	As(total), VOCs, SVOCs plus Aniline
					2262690	As(dissolved)
MW117A	1786H-MW117AMSD-A04	MSD	2/14/95	1630	2262681	As(total), VOCs, SVOCs plus Aniline
					2262691	As(dissolved)
MW117B	1786H-MW117B-B1	S	3/7/95	940	2273913	As(total), VOCs, SVOCs plus Aniline
					2273917	As(dissolved)
MW117C	1786H-MW117C-A02	S	3/7/95	1315	2273915	As(total), VOCs, SVOCs plus Aniline
					2273919	As(dissolved)
MW118A	1786H-MW118A-B1 (EPA ID: WH-GROUNDWATER-009)	S[1]	2/28/95	1050	2269278	As(total), VOCs, SVOCs plus Aniline
					2269287	As(dissolved)
MW118A	1786H-MW403A-B2 (duplicate of MW118A-B1)	DP	2/28/95	1050	2269279	As(total), VOCs, SVOCs plus Aniline
					2269288	As(dissolved)
MW201A	1786H-MW201A-B3	S	1/25/95	1632	2254052	As(total), VOCs, SVOCs plus Aniline
					2255457	As(dissolved)
MW201B	1786H-MW201B-B1	S	1/26/95	910	2254681	As(total), VOCs, SVOCs plus Aniline
					2255458	As(dissolved)
MW201C	1786H-MW201C-A01	S	1/26/95	1230	2254685	As(total), VOCs, SVOCs plus Aniline
					2255460	As(dissolved)
MW202B	1786H-MW202B-B4	S	2/14/95	1500	2262678	As(total), VOCs, SVOCs plus Aniline
					2262688	As(dissolved)

Table 2.4. Round Two sample description (continued).

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW203B	1786H-MW203B-B1 (EPA ID: WH-GH-002)	S[1]	2/21/95	1200	2266219	As(total), VOCs, SVOCs plus Aniline
					2266224	As(dissolved)
MW204A	1786H-MW204A-B2	S	2/14/95	1335	2262676	As(total), VOCs, SVOCs plus Aniline
					2262686	As(dissolved)
MW204A	1786H-MW401A-B3 (duplicate of MW204A)	DP	2/14/95	1335	2262677	As(total), VOCs, SVOCs plus Aniline
					2262687	As(dissolved)
MW204B	1786H-MW204B-A01	S	1/30/95	1045	2256063	As(total), VOCs, SVOCs plus Aniline
					2256072	As(dissolved)
MW205A	1786H-MW205A-B1	S	1/31/95	1035	2257314	As(total), VOCs, SVOCs plus Aniline
					2257310	As(dissolved)
MW205B	1786H-MW205B-B2	S	1/31/95	1125	2257315	As(total), VOCs, SVOCs plus Aniline
					2257311	As(dissolved)
MW206A	1786H-MW206A-B2	S	1/30/95	910	2256066	As(total), VOCs, SVOCs plus Aniline
					2256074	As(dissolved)
MW206B	1786H-MW206B-A01	S	2/22/95	1500	2266808	As(total), VOCs, SVOCs plus Aniline
					2266812	As(dissolved)
MW207A	1786H-MW207A-B1	S	1/30/95	825	2256065	As(total), VOCs, SVOCs plus Aniline
					2256073	As(dissolved)
MW207B	1786H-MW207B-A01	S	1/27/95	920	2255555	As(total), VOCs, SVOCs plus Aniline
					2255584	As(dissolved)
MW207C	1786H-MW207C-B2	S	1/26/95	1550	2254683	As(total), VOCs, SVOCs plus Aniline
					2255459	As(dissolved)
MW301C	1786H-MW301C-B1	S	3/2/95	835	2271264	As(total), VOCs, SVOCs plus Aniline
					2271271	As(dissolved)
MW302B	1786H-MW302B-B4	S	2/28/95	1530	2269280	As(total), VOCs, SVOCs plus Aniline
					2269289	As(dissolved)
MW303C	1786H-MW303C-B1	S	2/16/95	900	2263922	As(total), VOCs, SVOCs plus Aniline
					2263926	As(dissolved)
MW304A	1786H-MW304A-B2 (EPA ID: WH-GROUNDWATER-006)	S[1]	2/22/95	1540	2266810	As(total), VOCs, SVOCs plus Aniline
					2266814	As(dissolved)
MW305C	1786H-MW305C-B4	S	2/27/95	1645	2268693	As(total), VOCs, SVOCs plus Aniline
					2268721	As(dissolved)
MW306A	1786H-MW306A-B1	S	2/3/95	850	2258826	As(total), VOCs, SVOCs plus Aniline
					2258831	As(dissolved)
MW307A	1786H-MW307A-B1	S	2/14/95	825	2262675	As(total), VOCs, SVOCs plus Aniline
					2262685	As(dissolved)
MW308A	1786H-MW308A-B1	S	2/2/95	856	2258004	As(total), VOCs, SVOCs plus Aniline
					2258009	As(dissolved)

Table 2.4. Round Two sample description (continued).

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
MW309A	1786H-MW309A-B2	S	2/13/95	1550	2262134	As(total), VOCs, SVOCs plus Aniline
					2262138	As(dissolved)
MW310A	1786H-MW310A-B2	S	2/3/95	1135	2258827	As(total), VOCs, SVOCs plus Aniline
					2258832	As(dissolved)
MW311A	1786H-MW311A-B3	S	1/31/95	1420	2257318	As(total), VOCs, SVOCs plus Aniline
					2256781	As(dissolved)
MW312A	1786H-MW312A-B3	S	1/30/95	1128	2256067	As(total), VOCs, SVOCs plus Aniline
					2256075	As(dissolved)
MW313A	1786H-MW313A-A02	S	1/27/95	1210	2255554	As(total), VOCs, SVOCs plus Aniline
					2255583	As(dissolved)
MW314A	1786H-MW314A-B1	S	1/27/95	1119	2255553	As(total), VOCs, SVOCs plus Aniline
					2255582	As(dissolved)
MW315A	1786H-MW315A-B4	S	1/30/95	1630	2256068	As(total), VOCs, SVOCs plus Aniline
					2256076	As(dissolved)
MW316A	1786H-MW316A-B1	S	2/13/95	1437	2262133	As(total), VOCs, SVOCs plus Aniline
					2262137	As(dissolved)
Peiffer	1786H-PEIF-B1	S	2/15/95	945	2263321	As(total), VOCs, SVOCs plus Aniline
					2263324	As(dissolved)
RW001	1786H-RW01-B1	S	1/25/95	1055	2254048	As(total), VOCs, SVOCs plus Aniline
					2255455	As(dissolved)
RW003	1786H-RW03-B1	S	2/1/95	1406	2257815	As(total), VOCs, SVOCs plus Aniline
					2257862	As(dissolved)
RW003	1786H-MW400-B2 (duplicate of RW03-B1)	DP	2/1/95	1406	2257816	As(total), VOCs, SVOCs plus Aniline
					2257863	As(dissolved)
RW004	1786H-RW004-A01	S	3/7/95	950	2273914	As(total), VOCs, SVOCs plus Aniline
					2273918	As(dissolved)
RW007A	1786H-RW07A-B2	S	2/2/95	1515	2258007	As(total), VOCs, SVOCs plus Aniline
					2258012	As(dissolved)
RW007B	1786H-RW07B-B4	S	1/31/95	1600	2257319	As(total), VOCs, SVOCs plus Aniline
					2256782	As(dissolved)
RW008	1786H-RW08-B2	S[2]	1/25/95	1349	2254050	As(total), VOCs, SVOCs plus Aniline
					2255456	As(dissolved)
Field Blanks:						
NA	1786H-EQG1-A03	FB	1/31/95		2256745	As(total), VOCs, SVOCs plus Aniline
NA	1786H-EQS1-B5	FB	1/31/95		2256746	As(total), VOCs, SVOCs plus Aniline
NA	1786H-EQG1-A03	FB	1/31/95		2256764	As(dissolved)
NA	1786H-EQS1-B5	FB	1/31/95		2256765	As(dissolved)
NA	1786H-EQUS-B2	FB	2/16/95	1005	2263923	As(total), VOCs, SVOCs plus Aniline
NA	1786H-EQUS-B2	FB	2/16/95	1005	2263927	As(dissolved)

Table 2.4. Round Two sample description (continued).

Well ID	Field Sample ID	QA Type	Date Collected	Time Collected	Lab Sample ID	Analysis
NA	1786H-EQG2-A02	FB	3/2/95	1230	2271263	As(total), VOCs, SVOCs plus Aniline
NA	1786H-EQG2-A02	FB	3/2/95	1230	2271270	As(dissolved)
Trip Blanks:						
NA	1786H-TB95032-1-25	TB	1/25/95	NA	2254054	VOCs
NA	1786H-TB94351-1-26	TB	1/26/95	NA	2254687	VOCs
NA	1786H-TB94320A-1-27	TB	1/27/95	NA	2255556	VOCs
NA	1786H-TB94351-1-30	TB	1/30/95	NA	2256069	VOCs
NA	1786H-TB95025-1-31	TB	1/31/95	NA	2256747	VOCs
NA	1786H-TB95025-2-1	TB	2/1/95	NA	2257818	VOCs
NA	1786H-TB95025-2-2	TB	2/2/95	NA	2258008	VOCs
NA	1786H-TB95032-2-3	TB	2/3/95	NA	2258829	VOCs
NA	1786H-TB95032-2-13	TB	2/13/95	NA	2262136	VOCs
NA	1786H-TB95032-2-14	TB	2/14/95	NA	2262684	VOCs
NA	1786H-TB95032-2-15	TB	2/15/95	NA	2263323	VOCs
NA	1786H-TB95032-2-16	TB	2/16/95	NA	2263924	VOCs
NA	1786H-TB95032-2-17	TB	2/17/95	NA	2265175	VOCs
NA	1786H-TB95032-2-21	TB	2/21/95	NA	2266222	VOCs
NA	1786H-TB95032-2-22	TB	2/22/95	NA	2266811	VOCs
NA	1786H-TB95032-2-23	TB	2/23/95	NA	2267655	VOCs
NA	1786H-TB95032-2-24	TB	2/24/95	NA	2268246	VOCs
NA	1786H-TB95032-2-27	TB	2/27/95	NA	2268694	VOCs
NA	1786H-TB95053-2-28	TB	2/28/95	NA	2269282	VOCs
NA	1786H-TB95055-3-1	TB	3/1/95	NA	2270975	VOCs
NA	1786H-TB95055-3-2	TB	3/2/95	NA	2271269	VOCs
NA	1786H-TB95053-3-3	TB	3/3/95	NA	2272192	VOCs
NA	1786H-TB95053-3-6	TB	3/6/95	NA	2273020	VOCs
NA	1786H-TB95053-3-7	TB	3/7/95	NA	2273916	VOCs
NA	1786H-TB95053-3-8	TB	3/8/95	NA	2274777	VOCs

S - Primary Sample
DP - Duplicate
FB - Field Blank
TB - Trip Blank
MS - Matrix Spike
MSD - Matrix Spike Duplicate
NA - Not Applicable
[1] - Split sample collected by USEPA representative
[2] - Split sample collected by Sterling Health (Bayer) representative

Table 2.5. Summary of field measurements for Round Two samples.

Well ID	Sample ID	Sample Date	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW002	1786H-MW001-A01	03/02/95	1183	6.93	573	Clear
MW004	1786H-MW4-B2	03/06/95	1656	7.22	1020	Clear
MW006	1786H-MW6-B3	03/03/95	102	8.03	1602	Clear
MW006A	1786H-MW006A-A01	03/03/95	194	7.17	1232	Cloudy
MW007	1786H-MW7-B1	03/08/95	*	*	*	*
MW013	1786H-MW013-A02	01/31/95	54	8.09	816	Clear
MW013A	1786H-MW13A-B2	02/21/95	*	*	*	*
MW015A	1786H-MW015A-A04	02/01/95	21	8.08	779	Clear
MW015B	1786H-MW015B-A01	02/01/95	80	8.70	777	Clear
MW016	1786H-MW016-A02	01/30/95	50	8.24	633	Clear
MW016A	1786H-MW16A-B3	02/16/95	287	7.58	615	Clear
MW016B	1786H-MW16B-B1	02/17/95	*	*	*	*
MW100A	1786H-MW100A-B1	03/01/95	39	7.66	1970	Clear
MW100A1	1786H-MW100A1-A02	02/03/95	21	12.49	7970	Clear
MW100B	1786H-MW100B-B2	03/01/95	*	*	*	*
MW101A	1786H-MW101A-B3	03/01/95	-34	6.97	1529	Clear
MW102A	1786H-MW102A-B2	03/02/95	152	7.34	1137	Clear
MW103A	1786H-MW103A-B2	02/17/95	*	*	*	*
MW103B	1786H-MW103B-A01	02/03/95	*	*	*	*
MW104A	1786H-MW104A-B3	02/28/95	42	7.82	621	Clear
MW105A	1786H-MW105A-B2	02/15/95	111	7.43	775	Clear
MW105B	1786H-MW105B-A01	01/31/95	105	7.19	645	Clear
MW106A	1786H-MW106A-B3	02/21/95	126	6.88	706	Clear
MW106B	1786H-MW106B-B1	02/22/95	260	7.01	692	Clear
MW107A	1786H-MW107A-B3	03/02/95	128	7.48	1840	Clear
MW107B	1786H-MW107B-B1	03/03/95	*	*	*	*
MW107C	1786H-MW107C-A02	02/27/95	305	8.22	1129	Clear
MW108A	1786H-MW108A-A01	02/02/95	13	7.79	1703	Clear
MW108B	1786H-MW108B-A02	02/02/95	99	8.20	2690	Clear
MW109A	1786H-MW109A-B2	03/03/95	30	8.80	1554	Clear
MW109B	1786H-MW109B-B1	03/06/95	*	*	*	*
MW110A	1786H-MW110A-B1	02/23/95	101	7.68	775	Clear
MW110B	1786H-MW110B-B1	02/27/95	*	*	*	*
MW110C	1786H-MW110C-A01	02/28/95	175	7.61	1520	Clear
MW111A	1786H-MW111A-B1	02/24/95	*	*	*	*

Table 2.5. Summary of field measurements for Round Two samples (continued).

Well ID	Sample ID	Sample Date	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW112A	1786H-MW112A-B2	02/27/95	*	*	*	*
MW113A	1786H-MW113A-A03	03/02/95	150	7.84	810	Clear
MW113B	1786H-MW113B-A01	02/27/95	40	7.01	1580	Clear
MW114A	1786H-MW114A-B3	02/27/95	97	8.15	646	Clear
MW115B	1786H-MW115B-A01	02/13/95	95	8.14	1430	Clear
MW116A	1786H-MW116A-A01	02/14/95	10	8.43	868	Clear
MW117A	1786H-MW117A-A02	02/14/95	16	10.02	1168	Brownish clear
MW117B	1786H-MW117B-B1	03/07/95	450	9.30	1196	Slightly cloudy
MW117C	1786H-MW117C-A02	03/07/95	270	7.90	2.49	Light brown/ cloudy
MW118A	1786H-MW118A-B1	02/28/95	30	7.92	1147	Clear
MW118A	1786H-MW403A-B2 (Duplicate of 1786H-MW118A-B1)	02/28/95	30	7.92	1147	Clear
MW201A	1786H-MW201A-B3	01/25/95	~135	6.73	1250	Clear
MW201B	1786H-MW201B-B1	01/26/95	~390	7.01	964	Clear
MW201C	1786H-MW201C-A01	01/26/95	150	7.66	836	Clear
MW202B	1786H-MW202B-B4	02/14/95	*	*	*	*
MW203B	1786H-MW203B-B1	02/21/95	129	7.91	535	Clear
MW204A	1786H-MW401A-B3 (Duplicate of 1786H-MW204A-B2)	02/14/95	84	6.74	629	Clear
MW204A	1786H-MW204A-B2	02/14/95	84	6.74	629	Clear
MW204B	1786H-MW204B-A01	01/30/95	52	8.12	826	Clear
MW205A	1786H-MW205A-B1	01/31/95	95	7.20	643	Clear
MW205B	1786H-MW205B-B2	01/31/95	112	7.30	644	Clear
MW206A	1786H-MW206A-B2	01/30/95	~100	8.16	574	Clear
MW206B	1786H-MW206B-A01	02/22/95	120	7.12	528	Clear
MW207A	1786H-MW207A-B1	01/30/95	~74	7.58	639	
MW207B	1786H-MW207B-A01	01/27/95	81	8.73	645	Clear
MW207C	1786H-MW207C-B2	01/26/95	~795	7.28	643	Clear
MW301C	1786H-MW301C-B1	03/02/95	*	*	*	*
MW302B	1786H-MW302B-B4	02/28/95	*	*	*	*
MW303C	1786H-MW303C-B1	02/16/95	*	*	*	*
MW304A	1786H-MW304A-B2	02/22/95	214	7.57	784	Clear
MW305C	1786H-MW305C-B4	02/27/95	1158	7.51	1979	Clear
MW306A	1786H-MW306A-B1	02/03/95	189	7.41	659	Clear
MW307A	1786H-MW307A-B1	02/14/95	*	*	*	*

ORIGINAL (Red)

Table 2.5. Summary of field measurements for Round Two samples (continued).

Well ID	Sample ID	Sample Date	Volume Purged (gal)	pH	Specific Conductance (µmhos/cm)	Turbidity
MW308A	1786H-MW308A-B1	02/02/95	174	7.55	582	Clear
MW309A	1786H-MW309A-B2	02/13/95	~130	7.59	674	Clear
MW310A	1786H-MW310A-B2	02/03/95	67	7.30	771	Clear
MW311A	1786H-MW311A-B3	01/31/95	190	7.65	532	Clear
MW312A	1786H-MW312A-B3	01/30/95	468	7.24	596	Clear
MW313A	1786H-MW313A-A02	01/27/95	41	10.40	622	Slightly cloudy
MW314A	1786H-MW314A-B1	01/27/95	270	6.98	680	Clear
MW315A	1786H-MW315A-B4	01/30/95	336	7.37	618	Clear
MW316A	1786H-MW316A-B1	02/13/95	195	7.43	648	Slightly cloudy
PEIF	1786H-PEIF-B1	02/15/95	135	7.58	669	Clear
RW001	1786H-RW01-B1	01/25/95	~60	7.05	761	Clear
RW003	1786H-RW03-B1	02/01/95	1092	7.03	581	Clear
RW003	1786H-MW400-B2 (Duplicate of 1786H-RW03-B1	02/01/95	1092	7.03	581	Clear
RW004	1786H-RW004-A01	03/07/95	0	7.11	618	Clear
RW007A	1786H-RW07A-B2	02/02/95	1803	7.08	588	Clear
RW007B	1786H-RW07B-B4	01/31/95	~60	7.39	849	Clear
RW008	1786H-RW08-B2	01/25/95	~60	7.36	571	Clear

* No parameters measured; low flow well sampled after one well volume removed.

3 SAMPLE ANALYSIS

All samples from Round One and Round Two were analyzed for total arsenic. Additional analyses performed for each sampling event are described below.

- **Round One - Packer Tested Wells:** No other analyses were conducted for supplemental samples collected prior to the primary sample. All primary samples collected during packer testing were also analyzed for TCL VOCs and aniline (arsenic speciation analyses were performed for the speciation study and are not reported here). For aniline analysis, samples were screened using a flame ionization detector (FID). Samples reporting less than 1 ppm aniline were reanalyzed by GC/MS to achieve the required detection level. Although aniline was the only SVOC requested for primary samples, the laboratory reported all TCL SVOCs. Review of these analyses is outside the scope of this report, but the data are included in the validation reports submitted to USEPA/PADEP under separate cover.

- **Round One - Speciation Study Wells:** No other analyses were conducted for this task (arsenic speciation analyses were performed for the speciation study and are not reported here).

- **Round Two:** All primary samples were also analyzed for dissolved arsenic, TCL VOCs, and TCL SVOCs plus aniline.

The methods used for sample preparation and analysis are summarized in Table 3.1. Early in the project, graphite furnace atomic adsorption (GFAA, SOW1LM02.1) was used for analysis of arsenic to attain a quantitation limit of 10 μg/L. The alternate method, Inductively Coupled Plasma (ICP, SOW1LM02.1) could only achieve a quantitation limit of 50 μg/L and was used for samples known to contain high levels of arsenic. The GFAA method was problematic because the wide range of arsenic levels in samples from the Whitmoyer site caused extensive instrument downtime for cleanup. As a result, accelerated turnaround times could not always be achieved when necessary. During the project, the laboratory finalized a modified ICP method (ICP Trace, SW-846 6010A), which has a quantitation limit of 10 μg/L and no difficulty with high arsenic levels. Therefore, all OU-Six samples submitted for arsenic analysis after August 1994 were analyzed by ICP Trace.

Table 3.1. Description of analytical methods.

Constituent	Quantitation Limit (μg/L)	Sample Preparation Method	Analytical Method
Round One Sampling			
Total Arsenic	10 50	SOW1LM02.1 (3/90)	SOW1LM02.1 (3/90)[2] (Graphite Furnace AA) (ICP)
TCL VOCs	10	SOW0LM01.8 (3/90)	SOW0LM01.8 (3/90)
Aniline - FID Aniline - GC/MS[1]	50 10	SW-846 8000A SW-846 8270A	SW-846 8015A SW-846 8270A
Round Two Sampling			
Total Arsenic	10	SW846-3005A	SW846-6010A (ICP Trace)
Dissolved Arsenic	10	SW846-3005A	SW846-6010A (ICP Trace)
TCL VOCs	10	SW846-8260	SW846-8260
TCL SVOCs plus Aniline	10	SW846-3510A	SW846-8270A

1 - Method used when FID detections less than 1 mg/L.
2 - ICP method used for samples known to have high concentrations.

ORIGINAL (Red)

Type I (modeled after New Jersey Tier I format) data packages were prepared only for Round One aniline analyses where FID methods were used. CLP data packages were prepared for all other analyses. All laboratory data packages produced for Round One and Round Two sampling events were submitted to Heartland Environmental Services, Inc. (St. Peters, Missouri) for independent validation. These quality assurance reviews are discussed further in Section 4.

4 RESULTS OF SAMPLING

4.1 ROUND ONE SAMPLE RESULTS

4.1.1 QUALITY ASSURANCE REVIEW

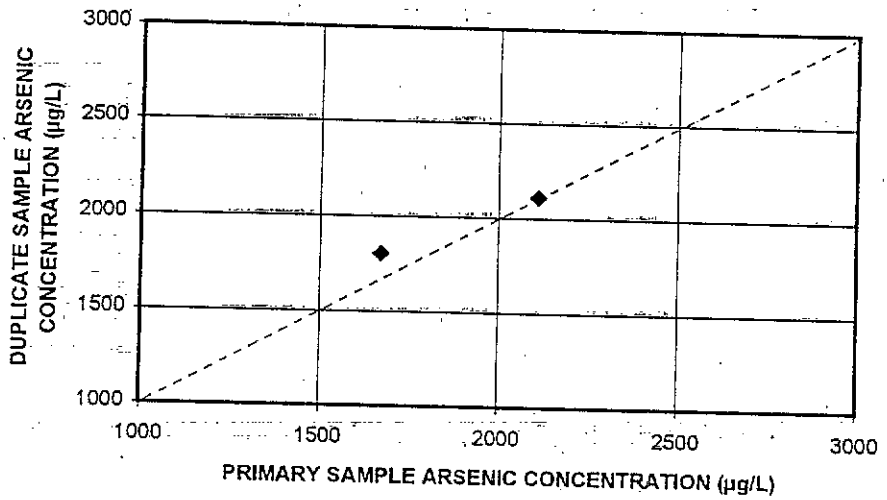
Samples were reviewed and validated by Heartland Environmental Services, Inc., according to specifications in the Work Plan for Whitmoyer Remedial Design of Groundwater, Operable Unit Six. Validation of organic and inorganic data adhered to criteria set forth in the data quality objectives, the quality assurance plan, and guidance documents prepared by the United States Environmental Protection Agency (USEPA). Copies of the complete set of validation reports for Round One sampling were submitted to USEPA, PADEP, and the USEPA Central Regional Laboratory under separate cover.

Four field duplicate samples were collected during Round One. Comparisons of the arsenic concentrations for each duplicate and its associated primary sample are presented in Figure 4.1. The comparisons plot very close to the line of equal concentration, indicating that field procedures do not have any significant influence on the results.

For sampling performed during packer testing, supplemental samples (collected prior to the primary sample) indicate the variability in concentration with distance from borehole. The arsenic concentrations for the set of samples from each packer test well are plotted in the figures provided in Appendix A. The supplemental and primary sample results within each well are quite variable in both trend and magnitude. The plots suggest that aquifer heterogeneity in the vicinity of the borehole significantly influences individual sample results. As a consequence, different purging protocols (i.e., changes in purge volumes) at a well are likely to produce different results. For the remedial design investigation, supplemental sample results have not been included in the data set used for assessment of contaminant distribution.

4.1.2 ARSENIC

The results of Round One sample analysis for total arsenic are provided in Appendix B-1. A summary of the results is presented in Table 4.1. Only two of the packer test wells



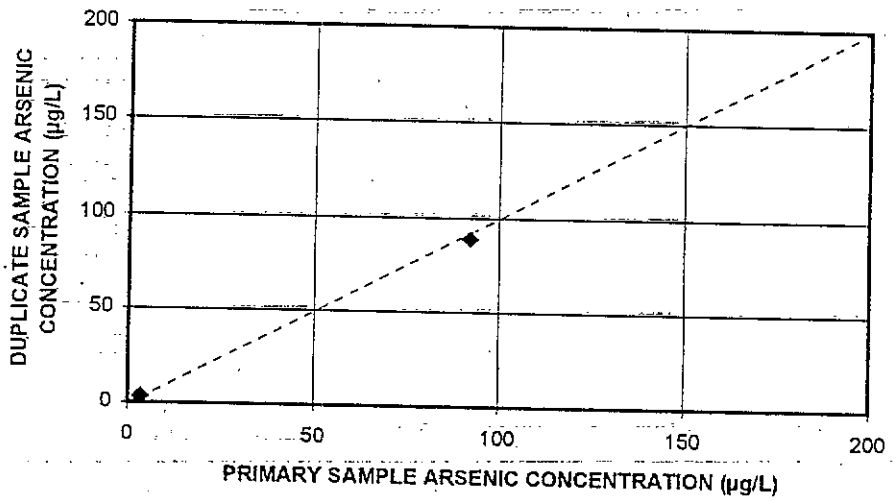


Figure 4.1 Comparison of duplicate and primary sample results for Round One.

AR301052

Table 4.1. Summary of arsenic analytical results for Round One (May-July 1994).

Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval Depth (ft BGS)		Total Arsenic (µg/L)
			Top	Bottom	
MW002	1786H-MW2-B3	486.18	50.0	90.0	426.0
MW002	1786H-MW2-B6	486.18	21.6	50.0	454.0
MW013	1786H-MW13-A3	486.92	50.0	90.0	270.0
MW013	1786H-MW13-A6	486.92	7.6	50.0	351.0
MW013A	1786H-MW13A-B3	485.69	3.8	60.0	2160.0
MW015B	1786H-MW15B-B1	453.86	60.0	100.0	3360.0
MW016	1786H-MW16-B3	453.52	7.6	65.0	9220.0
MW016A	1786H-MW016A-B2	453.87	11.0	77.0	1670.0
MW016A	1786H-MW22-B3 (duplicate of 1786H-MW016A-B2)	453.87	11.0	77.0	1800.0
MW100A	1786H-MW100A-A1	459.61	11.0	24.0	314000.0
MW100A1	1786H-MW100A1-A2	459.67	30.0	40.0	151000.0
MW100B	1786H-MW100B-A1	459.85	62.0	122.0	149000.0
MW103A	1786H-MW103A-B1	474.68	16.0	29.0	424.0
MW103B	1786H-MW103B-B3	474.50	61.0	110.0	2110.0
MW103B	1786H-MW21-B4 (duplicate of 1786H-MW103B-B3)	474.50	61.0	110.0	2110.0
MW105B	1786H-MW105B-B3	488.37	126.0	156.9	282.0
MW106A	1786H-MW106A-B2	480.95	23.0	44.0	655.0
MW106B	1786H-MW106B-B1	480.92	62.0	75.0	4700.0
MW107A	1786H-MW107A	464.77	36.0	47.0	90400.0
MW107B	1786H-MW107B-A3	464.74	61.0	100.0	88200.0
MW107C	1786H-MW107C-A3	464.24	335.0	383.5	46900.0
MW108B	1786H-MW108B-B3	462.29	89.0	130.0	352000.0
MW109B	1786H-MW109B-A3	459.04	58.0	100.0	108000.0
MW110A	1786H-MW110A-A2	482.77	27.0	45.0	813.0
MW110B	1786H-MW110B-A1	482.68	60.0	196.0	1950.0
MW110C	1786H-MW110C-A3	482.77	210.0	225.8	87600.0
MW111A	1786H-MW111A-A2	479.31	15.0	80.0	2730.0
MW113A	1786H-MW113A-B3	469.94	14.0	50.9	1580.0
MW113B	1786H-MW113B-A1	470.15	90.0	252.0	84800.0
MW115B	1786H-MW115B-A3	458.09	85.0	333.9	98000.0
MW117B	1786H-MW117B-B1	458.81	60.0	112.0	70600.0
MW117C	1786H-MW117C-A3	458.64	153.7	190.0	168000.0
MW201C	1786H-MW201C-A3	493.21	205.0	252.0	3.6 J
MW202B	1786H-MW202B-B1	474.22	71.0	128.0	4.3 J

Table 4.1. Summary of arsenic analytical results for Round One (May-July 1994) (continued).

Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval Depth (ft BGS)		Total Arsenic (μg/L)
			Top	Bottom	
MW203B	1786H-MW203B-B3	472.91	20.9	61.0	0.0 U
MW204A	1786H-MW204A-B1	486.76	19.0	55.0	0.0 U
MW204B	1786H-MW204B-B2	486.94	77.0	102.0	3.1 J
MW205A	1786H-MW205A-A1	469.25	9.0	43.0	92.0
MW205A	1786H-MW24-A2 (duplicate of 1786H-MW205A-A1)	469.25	9.0	43.0	88.6
MW205B	1786H-MW205B-A3	468.95	54.0	64.0	60.9
MW206A	1786H-MW206A-A1	477.62	33.0	87.0	5.0 J
MW206B	1786H-MW206B-A2	478.02	93.0	267.0	3.3 J
MW206B	1786H-MW23-A3 (duplicate of 1786H-MW206B-A2)	478.02	93.0	267.0	3.3 J
MW207B	1786H-MW207B-B3	432.13	100.0	144.5	12.1

produced multiple samples (MW002 and MW013) and only two adjacent intervals produced samples from each of these wells. Therefore, the new information obtained from packer testing was primarily used to identify the principal zone of chemical migration within each test well. Trends in vertical migration within a well could not be assessed from the limited data set.

Table 4.2 shows a comparison, for each packer tested well, of the arsenic level in the discrete packer test zone with the RI arsenic level for the whole open interval. In four wells (MW103B, MW107B, MW109B, and MW115B), the RI arsenic levels are significantly higher than the packer test level. In four wells (MW107C, MW108B, MW110C, and MW117C), the RI arsenic levels are significantly lower than the packer test level. It is not clear whether the variations reflect the difference in open interval or normal variation between sampling events (note that the variance between RI Round 1 and Round 2 samples is also significant). Dilution or concentration of chemical levels in RI samples due to groundwater flux from low-flow zones may be a factor. WLPSG will target the higher conductivity zones when designing the extraction wells for Phase One Remedial Action; however, the effects of low flow zones will be considered during Phase One Remedial Action evaluation.

High levels of arsenic were reported for MW107C, MW110C, and MW117C representing the three deepest zones successfully packer tested. These wells, respectively, are located on the north, south, and east boundaries of the site. Although packer testing did not define the vertical extent of arsenic contamination at the site, corehole testing during the well installation program did define the thickness of the aquifer to be approximately 450 ft. For the Remedial Design, WLPSG will evaluate the migration pathway of contamination at depth to determine the need for extraction wells below the shallow zone (i.e., >150 ft BGS).

4.1.3 ORGANIC COMPOUNDS

The results of Round One sample analysis for VOCs and aniline are provided in Appendix B-2. A summary of the results is presented in Table 4.3. All VOCs detected in Round One samples have been detected in previous RI samples. All VOC concentrations

Table 4.2. Comparison of arsenic levels from packer test samples and Remedial Investigation (RI) samples.

Well ID	Packer Testing Samples		RI Samples		
	Sampling Interval (ft-ft, BGS)	Arsenic Concentration (μg/L)	Sampling Interval (ft-ft, BGS)	Arsenic Concentration (μg/L)	
				Round 1	Round 2
MW002	22-50	454.0	22-386	NA	NA
MW002	50-90	426.0	-	-	-
MW013	8-50	351.0	8-136	NA	NA
MW013	50-90	270.0	-	-	-
MW013A	4-60	2160.0	20-185	NA	NA
MW016	8-65	9220.0	8-115	NA	NA
MW103B	61-110	2110.0	61-151	6400.0	4020.0
MW105B	126-157	282.0	63-157	282.0	356.0
MW107B	61-100	88200.0	61-148	134000.0	118000.0
MW107C	335-384	46900.0	149-384	21280.0	24500.0
MW108B	89-130	352000.0	59-130	94250.0	79500.0
MW109B	58-100	108000.0	58-192	168000.0	151000.0
MW110C	210-226	87600.0	149-259	63000.0	2400.0
MW115B	85-126	98000.0	61-126	113850.0	122000.0
MW117C	154-190	168000.0	154-298	46680.0	99000.0
MW201C	205-252	3.6J	148-252	ND	ND
MW203B	21-61	ND	21-140	296.0J	ND
MW207B	100-145	12.1	59-145	ND	ND

NA - Not Available (no RI sample collected).
Note: Sampling date for each event is as follows:

Packer Testing: May-June 1994
RI Round 1: November-December 1988
RI Round 2: December 1988-January 1989

Table 4.3. Summary of VOC and aniline analytical results for Round One (May-July 1994).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft BGS)	
					Top	Bottom
TCL VOCs						
1,1,1-Trichloroethane	No Detections					
1,1,2,2-Tetrachloroethane	No Detections					
1,1,2-Trichloroethane	No Detections					
1,1-Dichloroethane	No Detections					
1,1-Dichloroethene	3.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
1,2-Dichloroethane	3.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
1,2-Dichloroethene (total)	330.0	MW016	1786H-MW16-B3	453.52	7.6	65.0
	5.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	8.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	4.0 J	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	120.0 J	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
	640.0	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
1,2-Dichloropropane	No Detections					
2-Butanone	2.0 J	MW013	1786H-MW13-A6	486.92	7.6	50.0
	8.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
2-Hexanone	No Detections					
4-Methyl-2-pentanone	No Detections					
Acetone	4.0 JB	MW107C	1786H-MW107C-A3	464.24	335.0	383.5
	12.0	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	9.0 JB	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	11.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
Benzene	3.0 J	MW016	1786H-MW16-B3	453.52	7.6	65.0
	12.0	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	11.0	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	8.0 J	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	5.0 J	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	7.0 J	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
	4.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
Bromodichloromethane	No Detections					
Bromoform	No Detections					
Bromomethane	No Detections					
Carbon Disulfide	No Detections					
Carbon Tetrachloride	No Detections					

Table 4.3. Summary of VOC and aniline analytical results for Round One (May-July 1994) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft BGS)	
					Top	Bottom
Chlorobenzene	No Detections					
Chloroethane	No Detections					
Chloroform	2.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	2.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
Chloromethane	No Detections					
cis-1,3-Dichloropropene	No Detections					
Dibromochloromethane	No Detections					
Ethyl Benzene	3.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	2.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	1.0 J	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	4.0 J	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	5.0 J	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
Methylene Chloride	3.0 J	MW207B	1786H-MW207B-B3	432.13	100.0	144.5
Styrene	No Detections					
Tetrachloroethene	660.0	MW002	1786H-MW2-B3	486.18	50.0	90.0
	650.0	MW002	1786H-MW2-B6	486.18	21.6	50.0
	15.0	MW013	1786H-MW13-A3	486.92	50.0	90.0
	15.0	MW013	1786H-MW13-A6	486.92	7.6	50.0
	2.0 J	MW013A	1786H-MW13A-B3	485.69	3.8	60.0
	19.0 J	MW016	1786H-MW16-B3	453.52	7.6	65.0
	33.0	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	56.0	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	3.0 J	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	11.0	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	19.0	MW113A	1786H-MW113A-B3	469.94	14.0	50.9
	4400.0	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
	14.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
Toluene	1.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	12.0	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
trans-1,3-Dichloropropene	No Detections					
Trichloroethene	33.0	MW002	1786H-MW2-B3	486.18	50.0	90.0
	3.0 J	MW002	1786H-MW2-B6	486.18	21.6	50.0
	27.0	MW016	1786H-MW16-B3	453.52	7.6	65.0
	4.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0

Table 4.3. Summary of VOC and aniline analytical results for Round One (May-July 1994) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft BGS)	
					Top	Bottom
Trichloroethene (continued)	8.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	1.0 J	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	2700.0	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
	10.0 J	MW117C	1786H-MW117C-A3	458.64	153.7	190.0
Vinyl Chloride	No Detections					
Xylenes (total)	3.0 J	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	7.0 J	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	1.0 J	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	5.0 J	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	7.0 J	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
SVOCs (ANILINE ONLY)						
Aniline	4600.0	MW016	1786H-MW16-B3	453.52	7.6	65.0
	18.0	MW103B	1786H-MW103B-B3	474.50	61.0	110.0
	19.0	MW103B	1786H-MW21-B4 (duplicate of 1786H-MW103B-B3)	474.50	61.0	110.0
	5800.0	MW107B	1786H-MW107B-A3	464.74	61.0	100.0
	1600.0	MW107C	1786H-MW107C-A3	464.24	335.0	383.5
	40000.0	MW108B	1786H-MW108B-B3	462.29	89.0	130.0
	13000.0	MW109B	1786H-MW109B-A3	459.04	58.0	100.0
	4700.0	MW110C	1786H-MW110C-A3	482.77	210.0	225.8
	15000.0	MW115B	1786H-MW115B-A3	458.09	85.0	126.0
	19000.0	MW117C	1786H-MW117C-A3	458.64	153.7	190.0

were less than the maximum concentration detected in previous RI samples. The most significant VOCs detected in Round One are listed below:

- 1,2- Dichloroethene (maximum = 640 μg/L at well MW117C)
- Tetrachloroethene (maximum = 4400 μg/L at well MW115B)
- Trichloroethene (maximum = 2700 μg/L at well MW115B)

Only minor levels of VOCs occurred in the deeper test zones with the exception of 1,2-Dichloroethene which was detected at 640 μg/L in MW117C.

Aniline was detected at 9 of the 38 locations sampled during Round One. Aniline was detected at concentrations greater than 1000 μg/L in the three deepest sampling intervals (MW107C, MW110C, and MW117C). The levels in these wells were all less than the levels detected in RI samples.

4.2 ROUND TWO SAMPLE RESULTS

4.2.1 QUALITY ASSURANCE REVIEW

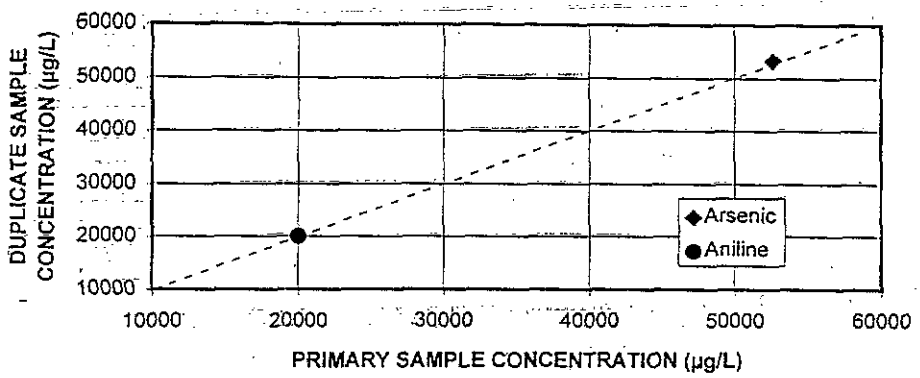
Samples were reviewed and validated by Heartland Environmental Services, Inc., according to specifications in the Work Plan for Whitmoyer Remedial Design of Groundwater, Operable Unit Six. Validation of organic and inorganic data adhered to criteria set forth in the data quality objectives, the quality assurance plan, and guidance documents prepared by the United States Environmental Protection Agency (USEPA). Copies of the complete set of validation reports for Round Two sampling were submitted to USEPA, PADEP, and the USEPA Central Regional Laboratory under separate cover. In addition to validation, data were evaluated for precision, accuracy representativeness, comparability, and completeness (PARCC) by Heartland, using the PARCCs criteria included in the Data Quality Objectives (DQOs) of the Work Plan.

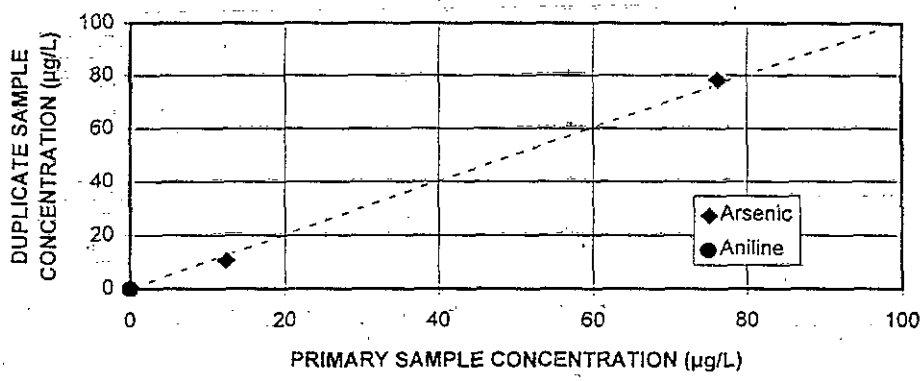
Precision is the measure of agreement or repeatability in a set of replicate results obtained from duplicate laboratory analyses of samples collected from the same

location/depth interval. It is calculated using laboratory data expressed as the Relative Percent Difference (RPD) between analytical values for two samples divided by their analytical values. Accuracy is a measure of agreement between an experimental determination and the true value of the parameter being measured. In order to provide a measure of the matrix effects on the analytical accuracy, the organic samples were spiked with a surrogate compound, and each inorganic matrix spike and matrix spike duplicate pair were spiked with a known reference material before digestion. Representativeness measures the degree to which sample data accurately and precisely represent a characteristic environmental condition, and is used to evaluate the competence of a sampling plan design. Comparability measures the confidence with which one data set may be compared to another. Data sets can be compared with confidence only when precision and accuracy are known. Completeness is defined as the percentage of measurements that are judged to be valid compared to the total number of measurements made. The Work Plan for Operable Unit Six established a completeness goal of 85 percent useable data. Completeness is calculated as the total number of analytes for each matrix minus the total number of rejected analytes, which total is multiplied by 100.

The PARCCs report (Appendix C) summarizes the quality of the analytical data and addresses the qualification of the data with regard to the evaluation of the presence, magnitude, and characteristic of hazardous substances at the site. The chemical analytical data were determined to be acceptable and exceeded the completion goal of 85 percent for all analytical fractions and QC samples .

Three field duplicate samples were collected during Round Two. Comparisons of the significant chemical (total arsenic, aniline, DCE, TCE, and PCE) concentrations for each duplicate and its associated primary sample are presented in Figure 4.2. The pairs of concentration values plot very close to the line of equal concentration indicating the field procedures do not have any significant influence on the results.





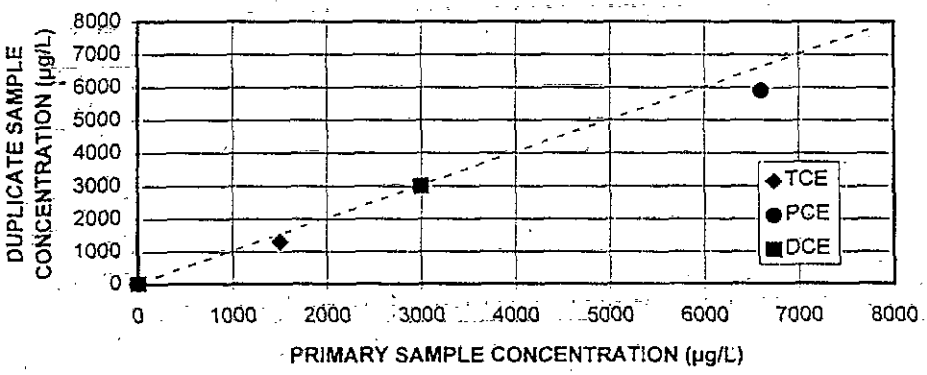


Figure 4.2 Comparison of duplicate and primary sample results for Round Two.

AR301062

4.2.2 ARSENIC

The results of Round Two sample analysis for total and dissolved arsenic are provided in Appendix B-3. A summary of the results is presented in Table 4.4. The table also shows the percent of arsenic sorbed based on the difference in sample results for total and dissolved arsenic. In general, most arsenic occurs in the dissolved form and some dissolved results exceed total arsenic results, which is consistent with the RI findings. In cases where sorbed arsenic is greater than 30%, most of the levels are low (<100 μg/L) suggesting that the results may be attributed to variability in laboratory or field collection techniques. Exceptions which have relatively higher sorbed arsenic and higher concentration include MW004, MW103B, MW110A, MW112A, and MW114A.

The horizontal extent of arsenic for shallow and mid-depth wells is shown in Figures 4.3 and 4.4, respectively. Shallow wells are defined as wells with an open interval predominantly above 150 ft BGS. Mid-depth wells have an open interval predominantly between 150-450 ft BGS. Currently, there are no deep wells with an open interval below 450 ft BGS within the area of investigation. The arsenic levels in the shallow zone are contoured in Figure 4.3 to indicate the horizontal distribution. Mid-depth wells are not contoured due to a lack of control points. Isoconcentration lines were developed based on both the Round Two data plus data from additional wells recently installed around potential source areas (MW317A-MW324A). Additionally, isoconcentration lines were adjusted based on knowledge of the environmental setting (e.g., areas where adjacent sample locations show extreme variability as a result of aquifer heterogeneity or historical groundwater extraction effects).

The shape of the 50 μg/L plume boundary is somewhat smaller than the boundary shown in the RI report. The prong to the south is significantly shortened because arsenic levels south of King Street were found to be well below 50 μg/L. The plume boundary east of the small quarries north of the site is more narrowly confined along Tulpehocken creek.

The vertical distribution of arsenic is illustrated in Plate 1. The following observations were made:

Table 4.4. Summary of arsenic analytical results for Round Two (January-March 1995).

Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval Depth (ft BGS)		Total Arsenic (µg/L)	Dissolved Arsenic (µg/L)	% Arsenic Sorbed
			Top	Bottom			
MW002	1786H-MW002-A01	486.18	21.6	98.6	408.0	372.0	8.8
MW004	1786H-MW004-B2	458.81	14.2	442.1	88800.0	45400.0	48.9
MW006	1786H-MW006-B3	459.77	13.0	27.6	63200.0	51900.0	17.9
MW006A	1786H-MW006A-A01	467.70	17.0	73.1	11400.0	10600.0	7.0
MW007	1786H-MW007-B1	458.00	16.5	48.4	39000.0	34700.0	11.0
MW013	1786H-MW013-A02	486.92	48.0	92.0	158.0	135.0	14.6
MW013A	1786H-MW013A-B2	485.69	3.8	58.4	898.0	906.0	---
MW015A	1786H-MW015A-A04	453.43	14.0	28.0	5230.0	3980.0	23.9
MW015B	1786H-MW015B-A01	453.86	55.0	100.0	4330.0	4210.0	2.8
MW016	1786H-MW016-A02	453.52	13.0	65.0	7830.0	7780.0	0.6
MW016A	1786H-MW16A-B3	453.87	11.2	69.8	2470.0	2190.0	11.3
MW016B	1786H-MW16B-B1	454.31	41.7	115.0	29900.0	30800.0	---
MW100A	1786H-MW100A-B1	459.61	11.0	24.0	164000.0	155000.0	5.5
MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0	205000.0	208000.0	---
MW100B	1786H-MW100B-B2	459.85	62.3	121.5	145000.0	134000.0	7.6
MW101A	1786H-MW101A-B3	458.74	11.0	21.0	40600.0	38600.0	4.9
MW102A	1786H-MW102A-B2	473.69	11.0	52.4	1800.0	1650.0	8.3
MW103A	1786H-MW103A-B2	474.68	18.0	30.0	261.0	232.0	11.1
MW103B	1786H-MW103B-A01	474.50	67.0	110.0	1530.0	682.0	55.4
MW104A	1786H-MW104A-B3	467.61	20.0	31.5	394.0	299.0	24.1
MW105A	1786H-MW105A-B2	488.51	27.9	48.0	20.8	7.9 J	62.0
MW105B	1786H-MW105B-A01	488.37	114.5	157.0	527.0	514.0	2.5
MW106A	1786H-MW106A-B3	480.95	22.8	44.0	490.0	433.0	11.6
MW106B	1786H-MW106B-B1	480.92	67.0	110.6	1360.0	1290.0	5.1
MW107A	1786H-MW107A-B3	464.77	36.0	47.3	35500.0	35000.0	1.4
MW107B	1786H-MW107B-B1	464.74	60.8	100.8	75000.0	74000.0	1.3
MW107C	1786H-MW107C-A02	464.24	343.0	385.0	45900.0	45400.0	1.1
MW108A	1786H-MW108A-A01	462.06	8.0	21.0	82400.0	76400.0	7.3
MW108B	1786H-MW108B-A02	462.29	85.5	128.5	199000.0	190000.0	4.5
MW109A	1786H-MW109A-B2	459.12	8.0	18.0	108000.0	105000.0	2.8
MW109B	1786H-MW109B-B1	459.04	58.0	95.3	118000.0	111000.0	5.9
MW110A	1786H-MW110A-B1	482.77	27.0	45.0	1700.0	995.0	41.5
MW110B	1786H-MW110B-B1	482.68	61.0	98.0	723.0	654.0	9.5
MW110C	1786H-MW110C-A01	482.77	215.0	258.0	75400.0	80400.0	---
MW111A	1786H-MW111A-B1	479.31	14.7	54.8	813.0	709.0	12.8
MW112A	1786H-MW112A-B2	480.31	20.0	51.0	1100.0	670.0	39.1
MW113A	1786H-MW113A-A03	469.94	14.0	50.9	1220.0	1190.0	2.5

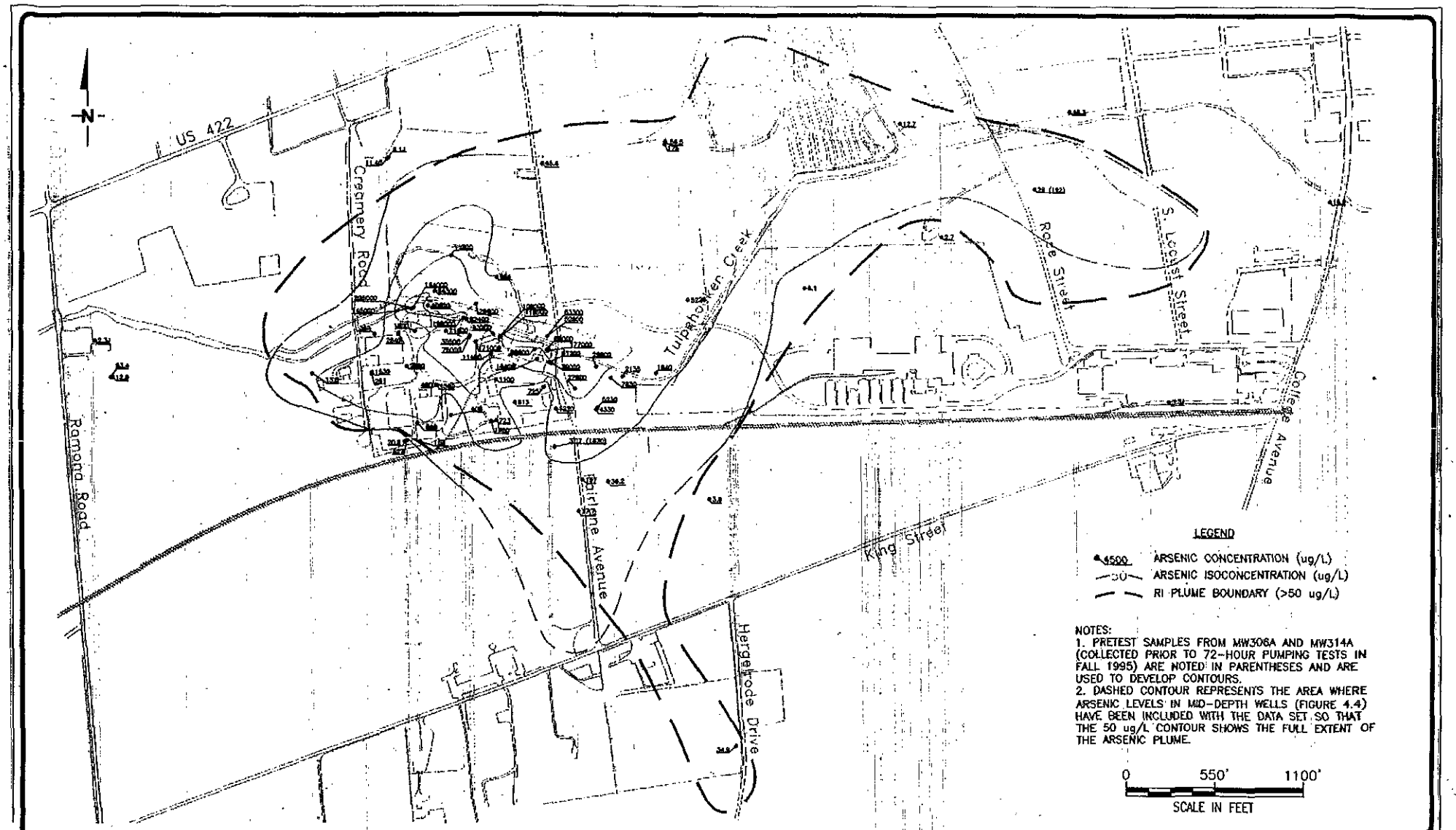
Table 4.4 Summary of arsenic analytical results for Round Two (January-March 1995) (continued).

Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval Depth (ft BGS)		Total Arsenic (µg/L)	Dissolved Arsenic (µg/L)	% Arsenic Sorbed
			Top	Bottom			
MW113B	1786H-MW113B-A01	470.15	208.0	252.0	98000.0	92700.0	5.4
MW114A	1786H-MW114A-B3	470.23	17.3	39.0	725.0	193.0	73.4
MW115B	1786H-MW115B-A01	458.09	84.0	126.0	91200.0	91100.0	0.1
MW116A	1786H-MW116A-A01	458.82	7.0	17.0	16400.0	16300.0	0.6
MW117A	1786H-MW117A-A02	458.69	14.0	28.0	177000.0	174000.0	1.7
MW117B	1786H-MW117B-B1	458.81	62.0	112.0	58000.0	53300.0	8.1
MW117C	1786H-MW117C-A02	458.64	153.7	193.9	162000.0	139000.0	14.2
MW118A	1786H-MW118A-B1	454.34	7.0	19.0	52600.0	59100.0	—
MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0	53300.0	56000.0	—
MW201A	1786H-MW201A-B3	480.65	19.6	37.0	12.9	4.9 J	62.0
MW201B	1786H-MW201B-B1	480.49	59.8	88.0	53.4	12.2	77.2
MW201C	1786H-MW201C-A01	493.21	210.0	252.0	5.2 J	5.0 J	3.8
MW202B	1786H-MW202B-B4	474.22	71.4	128.3	17.7	14.3	19.2
MW203B	1786H-MW203B-B1	472.91	20.9	62.4	34.9	4.6 J	86.8
MW204A	1786H-MW204A-B2	486.76	21.4	56.0	12.4	6.4 J	48.4
MW204A	1786H-MW401A-B3 (duplicate of 1786H-MW204A-B2)	486.76	21.4	56.0	10.5	5.4 J	48.6
MW204B	1786H-MW204B-A01	486.94	80.0	103.0	8.1 J	3.9 J	51.9
MW205A	1786H-MW205A-B1	469.25	9.3	42.9	56.5	54.1	4.2
MW205B	1786H-MW205B-B2	468.95	55.0	64.5	175.0	158.0	9.7
MW206A	1786H-MW206A-B2	477.62	33.0	87.0	2.7 J	0.0 U	100.0
MW206B	1786H-MW206B-A01	478.02	224.7	270.0	10.7	14.2	—
MW207A	1786H-MW207A-B1	431.83	10.3	53.7	3.1 J	0.0 U	100.0
MW207B	1786H-MW207B-A01	432.13	101.5	145.0	15.2	12.8	15.8
MW207C	1786H-MW207C-B2	432.47	153.0	182.0	43.5	4.4 J	89.9
MW301C	1786H-MW301C-B1	464.83	210.0	250.0	60300.0	55600.0	7.8
MW302B	1786H-MW302B-B4	453.85	140.0	180.0	167000.0	169000.0	—
MW303C	1786H-MW303C-B1	454.23	210.0	250.0	140000.0	140000.0	0.0
MW304A	1786H-MW304A-B2	454.28	35.0	55.0	27600.0	28000.0	—
MW305C	1786H-MW305C-B4	469.73	240.0	281.0	60300.0	42600.0	29.4
MW306A	1786H-MW306A-B1	465.60	38.0	58.0	37.7	28.3	24.9
MW307A	1786H-MW307A-B1	466.49	35.0	65.0	36.2	33.3	8.0
MW308A	1786H-MW308A-B1	455.06	25.0	45.0	3.8 J	3.0 J	21.1

Table 4.4 Summary of arsenic analytical results for Round Two (January-March 1995) (continued).

Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval Depth (ft BGS)		Total Arsenic (µg/L)	Dissolved Arsenic (µg/L)	% Arsenic Sorbed
			Top	Bottom			
MW309A	1786H-MW309A-B2	447.90	70.0	90.0	1840.0	1710.0	7.1
MW310A	1786H-MW310A-B2	455.68	35.0	55.0	5220.0	2830.0	45.8
MW311A	1786H-MW311A-B3	466.02	25.0	45.0	6.1 J	0.0 U	100.0
MW312A	1786H-MW312A-B3	445.39	65.0	85.0	16.9	4.0 J	76.3
MW313A	1786H-MW313A-A02	446.44	35.5	56.5	45.3	40.6	10.4
MW314A	1786H-MW314A-B1	458.11	55.0	75.0	29.0	12.7	56.2
MW315A	1786H-MW315A-B4	450.63	63.0	83.0	12.7	4.2 J	66.9
MW316A	1786H-MW316A-B1	480.91	60.0	80.0	65.6	27.6	57.9
Peiffer	1786H-PEIF-B1		20.0	50.0	197.0	189.0	4.1
RW001	1786H-RW01-B1	0.00	0.0	100.0	2.3 J	0.0 U	100.0
RW003	1786H-RW03-B1	483.97	17.0	187.0	76.2	59.1	22.4
RW003	1786H-MW400-B2 (duplicate of 1786H-RW003-B1)	483.97	17.0	187.0	78.3	57.3	26.8
RW004	1786H-RW004-A01	0.00	0.0	0.0	13.5	12.8	5.2
RW007A	1786H-RW07A-B2	503.92	0.0	470.0	100.0	22.0	78.0
RW007B	1786H-RW07B-B4	0.00	0.0	325.0	15.2	7.5 J	50.7
RW008	1786H-RW08-B2		0.0	0.0	3.3 J	0.0 U	100.0

--- % Arsenic Sorbed is a negative number.



4.3 Arsenic concentration in shallow wells.

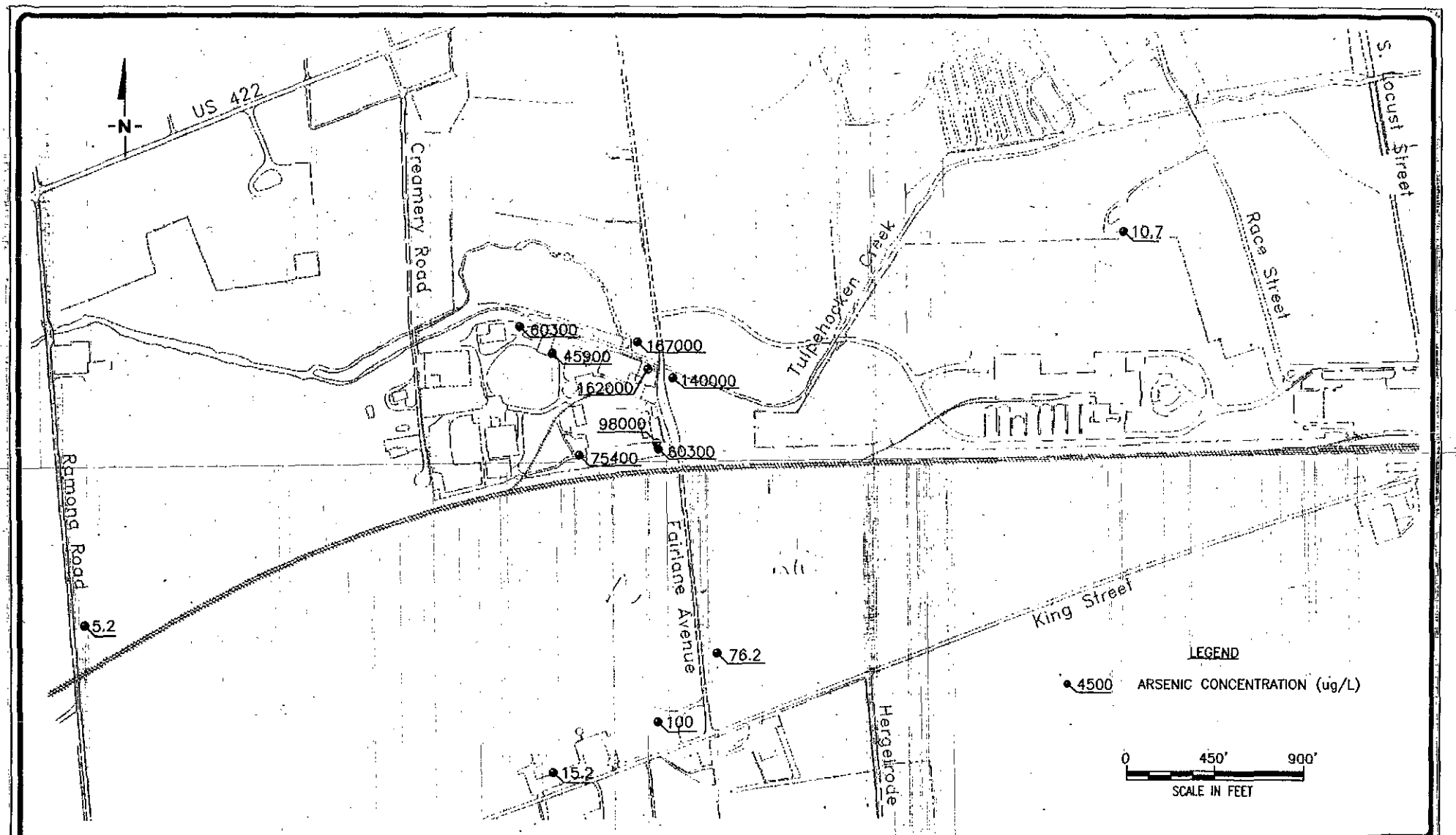


Figure 4.4 Arsenic concentration in mid-depth (150-450 ft BGS) wells.

R 001068

1. Relatively high arsenic levels occur in both shallow and mid-depth zones along the northern portion of the Plant.

2. Three clusters of wells along the northern portion of the Plant show a similar pattern in which the upper and lower wells have a higher arsenic level than the middle well. These clusters include MW100A/100A1/100B, MW006/109A/109B, and MW117A/117B/117C. This pattern may be related to heterogeneities in aquifer conductivity or sorption characteristics.

3. Along the southern boundary of the site, arsenic levels are higher in the mid-depth zone than in the shallow zone.

4. Wells located in the middle of the site show relatively low arsenic levels; however, these wells are all completed in the upper shallow zone.

These observations support the current conceptual model of the site where mid-depth zones in the southern portion of the Plant are hydraulically connected to shallow zones in the northern portion of the Plant.

4.2.3 ORGANIC COMPOUNDS

The results of Round Two sample analysis for VOCs and SVOCs are provided in Appendix B-4 and Appendix B-5, respectively, and a summary of the results is presented in Tables 4.5 and 4.6, respectively. All VOCs detected in Round Two samples had been detected in previous RI samples with two minor exceptions: (1) 1,2-dichloropropane was detected at MW117B at 1 μg/L; and (2) chloromethane was detected at MW015B at 6 μg/L. Neither of these detections is considered a significant new finding. All onsite VOC concentrations were less than the maximum concentration detected in previous RI samples with the exception of trichloroethene detected at one well (MW115B) and vinyl chloride detected at three wells (MW004, MW007, and MW118A). These detections are all in the main production area which is the main onsite source area for VOCs. The most significant VOCs detected in Round Two are listed below:

Break down Prod?

ORIGINAL (Red)

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
1,1,1-Trichloroethane	2.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	2.0 J	RW003	1786H-RW03-B1	483.97	17.0	187.0
	2.0 J	RW003	1786H-MW400-B2 (duplicate of 1786H-RW03-B1)	483.97	17.0	187.0
	1.0 J	RW007A	1786H-RW07A-B2	503.92	0.0	470.0
	90.0	RW007B	1786H-RW07B-B4	0.00	0.0	325.0
1,1,2,2-Tetrachloroethane	No Detections					
1,1,2-Trichloroethane	No Detections					
1,1-Dichloroethane	23.0	RW007B	1786H-RW07B-B4	0.00	0.0	325.0
1,1-Dichloroethene	9.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	17.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	6.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	8.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	3.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	29.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	26.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	20.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	11.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	10.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	10.0	RW007B	1786H-RW07B-B4	0.00	0.0	325.0
1,2-Dichloroethane	2.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	2.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	1.0 J	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	2.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	2.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
1,2-Dichloroethene (total)	2800.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	7800.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	45.0	MW015A	1786H-MW015A-A04	453.43	14.0	28.0
	320.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	290.0	MW016	1786H-MW016-A02	453.52	13.0	65.0
	190.0	MW016A	1786H-MW16A-B3	453.87	11.2	69.8
	2000.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	3.0 J	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	2.0 J	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	1.0 J	MW101A	1786H-MW101A-B3	458.74	11.0	21.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
1,2-Dichloroethene (total) (continued)	9.0	MW104A	1786H-MW104A-B3	467.61	20.0	31.5
	2.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	5.0	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	2600.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	6.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	5.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	3.0 J	MW111A	1786H-MW111A-B1	479.31	14.7	54.8
	10.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	100.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	770.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	8000.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	7700.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	4900.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	490.0	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	3000.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	2900.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW202B	1786H-MW202B-B4	474.22	71.4	128.3
	25.0	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	110.0	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	150.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	2.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	2.0 J	MW306A	1786H-MW306A-B1	465.60	38.0	58.0
	17.0	MW307A	1786H-MW307A-B1	466.49	35.0	65.0
	720.0	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	280.0	MW310A	1786H-MW310A-B2	455.68	35.0	55.0
	4.0 J	Peiffer	1786H-PEIF-B1		20.0	50.0
	2.0 J	RW003	1786H-RW03-B1	483.97	17.0	187.0
	2.0 J	RW003	1786H-MW400-B2 (duplicate of 1786H-RW03-B1)	483.97	17.0	187.0
1,2-Dichloropropane	1.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
2-Butanone	36.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
2-Hexanone	No Detections					

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
4-Methyl-2-pentanone	No Detections					
Acetone	11.0 J	MW006	1786H-MW006-B3	459.77	13.0	27.6
	43.0 J	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	10.0 J	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	33.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	63.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	15.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	20.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	10.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
Benzene	8.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	2.0 J	MW006	1786H-MW006-B3	459.77	13.0	27.6
	19.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	13.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	1.0 J	MW016	1786H-MW016-A02	453.52	13.0	65.0
	32.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	4.0 J	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	30.0	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	3.0 J	MW100B	1786H-MW100B-B2	459.85	62.3	121.5
	1.0 J	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	14.0	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	1.0 J	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	6.0	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	3.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	8.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	3.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	4.0 J	MW110B	1786H-MW110B-B1	482.68	61.0	98.0
	5.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	8.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	17.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	7.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	8.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	6.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	7.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	3.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	34.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Benzene (continued)	35.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	5.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	5.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	5.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	5.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	9.0	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	1.0 J	MW310A	1786H-MW310A-B2	455.68	35.0	55.0
Bromodichloromethane	No Detections					
Bromoform	No Detections					
Bromomethane	No Detections					
Carbon Disulfide	No Detections					
Carbon Tetrachloride	No Detections					
Chlorobenzene	2.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	5.0 J	MW007	1786H-MW007-B1	458.00	16.5	48.4
	2.0 J	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	2.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	6.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	8.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	2.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	2.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	1.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	2.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	2.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
Chloroethane	No Detections					
Chloroform	1.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	3.0 J	MW013A	1786H-MW013A-B2	485.69	3.8	58.4
	1.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	1.0 J	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	3.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	1.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	1.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	4.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Chloroform (continued)	2.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	1.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	1.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
Chloromethane	6.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
cis-1,3-Dichloropropene	No Detections					
Dibromochloromethane	No Detections					
Ethyl Benzene	5.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	12.0	MW006	1786H-MW006-B3	459.77	13.0	27.6
	63.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	10.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	1.0 J	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	4.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	2.0 J	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	1.0 J	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	180.0	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	4.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	3.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	6.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	19.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	4.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	7.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	18.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	14.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	9.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	12.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	12.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	1.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	1.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	4.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Methylene Chloride	1.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	2.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
Styrene	No Detections					
Tetrachloroethene	62.0	MW002	1786H-MW002-A01	486.18	21.6	98.6
	3600.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	16.0	MW006	1786H-MW006-B3	459.77	13.0	27.6
	32.0	MW006A	1786H-MW006A-A01	467.70	17.0	73.1
	2400.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	4.0 J	MW013A	1786H-MW013A-B2	485.69	3.8	58.4
	17.0	MW015A	1786H-MW015A-A04	453.43	14.0	28.0
	20.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	15.0	MW016	1786H-MW016-A02	453.52	13.0	65.0
	10.0	MW016A	1786H-MW16A-B3	453.87	11.2	69.8
	2200.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	22.0	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	40.0	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	1.0 J	MW100B	1786H-MW100B-B2	459.85	62.3	121.5
	18.0	MW101A	1786H-MW101A-B3	458.74	11.0	21.0
	3.0 J	MW102A	1786H-MW102A-B2	473.69	11.0	52.4
	8.0	MW104A	1786H-MW104A-B3	467.61	20.0	31.5
	29.0	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	22.0	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	3.0 J	MW107C	1786H-MW107C-A02	464.24	343.0	385.0
	30.0	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	49.0	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	78.0	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	3400.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	5.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	13.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	2.0 J	MW111A	1786H-MW111A-B1	479.31	14.7	54.8
	7.0	MW113A	1786H-MW113A-A03	469.94	14.0	50.9
	2600.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	13000.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	860.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Toluene (continued)	1.0 J	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	2.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	3.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	2.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	3.0 J	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	2.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	4.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	7.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	5.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	5.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	2.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	8.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	9.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
trans-1,3-Dichloropropene	No Detections					
Trichloroethene	7.0	MW002	1786H-MW002-A01	486.18	21.6	98.6
	560.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	4.0 J	MW006A	1786H-MW006A-A01	467.70	17.0	73.1
	290.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	1.0 J	MW015A	1786H-MW015A-A04	453.43	14.0	28.0
	8.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	9.0	MW016	1786H-MW016-A02	453.52	13.0	65.0
	10.0	MW016A	1786H-MW16A-B3	453.87	11.2	69.8
	640.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	3.0 J	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	10.0	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	2.0 J	MW101A	1786H-MW101A-B3	458.74	11.0	21.0
	2.0 J	MW104A	1786H-MW104A-B3	467.61	20.0	31.5
	2.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	1.0 J	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	6.0	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	530.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	10.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	1.0 J	MW110C	1786H-MW110C-A01	482.77	215.0	258.0

ORIGINAL (Red)

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Tetrachloroethene (continued)	3500.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	4600.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	54.0	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	6600.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	5900.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	1.0 J	MW201A	1786H-MW201A-B3	480.65	19.6	37.0
	2.0 J	MW202B	1786H-MW202B-B4	474.22	71.4	128.3
	2.0 J	MW204A	1786H-MW204A-B2	486.76	21.4	56.0
	2.0 J	MW204A	1786H-MW401A-B3 (duplicate of 1786H-MW204A-B2)	486.76	21.4	56.0
	4.0 J	MW205B	1786H-MW205B-B2	468.95	55.0	64.5
	23.0	MW206B	1786H-MW206B-A01	478.02	224.7	270.0
	5.0	MW301C	1786H-MW301C-B1	464.83	210.0	250.0
	40.0	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	450.0	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	32.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	5600.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	6.0	MW306A	1786H-MW306A-B1	465.60	38.0	58.0
	7.0	MW307A	1786H-MW307A-B1	466.49	35.0	65.0
	6.0	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	30.0	MW310A	1786H-MW310A-B2	455.68	35.0	55.0
	6.0	MW314A	1786H-MW314A-B1	458.11	55.0	75.0
	2.0 J	MW315A	1786H-MW315A-B4	450.63	63.0	83.0
	10.0	Peiffer	1786H-PEIF-B1		20.0	50.0
	7.0	RW003	1786H-RW03-B1	483.97	17.0	187.0
	8.0	RW003	1786H-MW400-B2 (duplicate of 1786H-RW03-B1)	483.97	17.0	187.0
	10.0	RW007A	1786H-RW07A-B2	503.92	0.0	470.0
	2.0 J	RW007B	1786H-RW07B-B4	0.00	0.0	325.0
Toluene	2.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	14.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	11.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Trichloroethene (continued)	3.0 J	MW111A	1786H-MW111A-B1	479.31	14.7	54.8
	5.0 J	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	62.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	3.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	4200.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	2300.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	890.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	2700.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	19.0	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	1500.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	1300.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	3.0 J	MW206B	1786H-MW206B-A01	478.02	224.7	270.0
	10.0	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	150.0	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	12.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	12.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	2.0 J	MW307A	1786H-MW307A-B1	466.49	35.0	65.0
	7.0	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	15.0	MW310A	1786H-MW310A-B2	455.68	35.0	55.0
Vinyl Chloride	8.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	150.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	7.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	6.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	1.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	9.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	8.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
Xylenes (total)	3.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	12.0	MW006	1786H-MW006-B3	459.77	13.0	27.6
	120.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	27.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	9.0	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	4.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	3.0 J	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	270.0	MW109A	1786H-MW109A-B2	459.12	8.0	18.0

Table 4.5. Summary of VOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Xylenes (total) (continued)	3.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	3.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	6.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	21.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	8.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	15.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	21.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	33.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	13.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	12.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	12.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	4.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	4.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	1.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	5.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
1,2,4-Trichlorobenzene	No Detections					
1,2-Dichlorobenzene	2.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
1,3-Dichlorobenzene	No Detections					
1,4-Dichlorobenzene	1.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	1.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
2,2'-oxybis(1-Chloropropane)	No Detections					
2,4,5-Trichlorophenol	No Detections					
2,4,6-Trichlorophenol	No Detections					
2,4-Dichlorophenol	No Detections					
2,4-Dimethylphenol	3.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	6.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	8.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	2.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
2,4-Dinitrophenol	No Detections					
2,4-Dinitrotoluene	No Detections					
2,6-Dinitrotoluene	No Detections					
2-Chloronaphthalene	No Detections					
2-Chlorophenol	No Detections					
2-Methylnaphthalene	22.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	52.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	2.0 J	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	94.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	8.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	12.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	28.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	2.0 J*	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	49.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	20.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	13.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	13.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	3.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	2.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	2.0 J	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
2-Methylphenol	5.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
2-Nitroaniline	No Detections					

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
2-Nitrophenol	No Detections					
3,3'-Dichlorobenzidine	No Detections					
3-Nitoraniline	No Detections					
4,6-Dinitro-2-methylphenol	No Detections					
4-Bromophenyl-phenylether	No Detections					
4-Chloro-3-methylphenol	No Detections					
4-Chloroaniline	46.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	85.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	1.0 J	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	13.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	11.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	4.0 J	MW110B	1786H-MW110B-B1	482.68	61.0	98.0
	1400.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	2.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	2.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	14.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	37.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	66.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	140.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	18.0	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	86.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	72.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	15.0	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	6.0 J	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	5.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	2.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	4.0 J	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
4-Chlorophenyl-phenyl ether	No Detections					
4-Methylphenol	12.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	4.0 J	MW016B	1786H-MW016B-B1	454.31	41.7	115.0
	3.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	29.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	22.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
4-Methylphenol(continued)	9.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	1.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	11.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	11.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
4-Nitroaniline	4.0 J	MW101A	1786H-MW101A-B3	458.74	11.0	21.0
4-Nitrophenol	No Detections					
Acenaphthene	11.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	67.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	44.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	11.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	11.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	8.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	20.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	38.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	10.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	3.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	3.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	2.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
Acenaphthylene	No Detections					
Aniline	4300.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	64.0	MW006	1786H-MW006-B3	459.77	13.0	27.6
	8.0 J	MW006A	1786H-MW006A-A01	467.70	17.0	73.1
	76000.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	12.0	MW015A	1786H-MW015A-A04	453.43	14.0	28.0
	533.0	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	530.0	MW016	1786H-MW016-A02	453.52	13.0	65.0
	99.0	MW016A	1786H-MW016A-B3	453.87	11.2	69.8
	130000.0	MW016B	1786H-MW016B-B1	454.31	41.7	115.0
	310.0	MW100A	1786H-MW100A-B1	459.61	11.0	24.0

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Aniline (continued)	83000.0	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	14000.0	MW100B	1786H-MW100B-B2	459.85	62.3	121.5
	2.0 J	MW101A	1786H-MW101A-B3	458.74	11.0	21.0
	1.0 J	MW104A	1786H-MW104A-B3	467.61	20.0	31.5
	82.0	MW106B	1786H-MW106B-B1	480.92	67.0	110.6
	2.0 J	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	11000.0	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	2800.0	MW107C	1786H-MW107C-A02	464.24	343.0	385.0
	2.0 J	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	15000.0	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	35.0	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	13000.0	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	11.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	3.0 J	MW110B	1786H-MW110B-B1	482.68	61.0	98.0
	4500.0	MW110C	1786H-MW110C-A01	482.77	215.0	258.0
	250.0	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	13000.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	12000.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	4700.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	12000.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	50000.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	17000.0	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	20000.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	20000.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	1.0 J	MW204B	1786H-MW204B-A01	486.94	80.0	103.0
	230.0	MW301C	1786H-MW301C-B1	464.83	210.0	250.0
	15000.0	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	16000.0	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	5700.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	4700.0	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	32.0	MW306A	1786H-MW306A-B1	465.60	38.0	58.0
	11000.0	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	390.0	MW310A	1786H-MW310A-B2	455.68	35.0	55.0

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Anthracene	3.0 J	MW007	1786H-MW007-B1	458.00	16.5	48.4
	2.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	2.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
Benzo(a)anthracene	No Detections					
Benzo(a)pyrene	No Detections					
Benzo(b)fluoranthene	No Detections					
Benzo(g,h,i)perylene	No Detections					
Benzo(k)fluoranthene	No Detections					
bis(2-Chloroethoxy)methane	No Detections					
bis(2-Chloroethyl)ether	No Detections					
bis(2-Ethylhexyl)phthalate	26.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	3.0 J	MW006	1786H-MW006-B3	459.77	13.0	27.6
	2.0 J	MW013A	1786H-MW013A-B2	485.69	3.8	58.4
	3.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	2.0 J	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	4.0 J	MW100B	1786H-MW100B-B2	459.85	62.3	121.5
	3.0 J	MW102A	1786H-MW102A-B2	473.69	11.0	52.4
	6.0 J	MW103B	1786H-MW103B-A01	474.50	67.0	110.0
	10.0 J	MW104A	1786H-MW104A-B3	467.61	20.0	31.5
	2.0 J	MW106A	1786H-MW106A-B3	480.95	22.8	44.0
	2.0 J	MW106B	1786H-MW106B-B1	480.92	67.0	110.6
	5.0 J	MW107A	1786H-MW107A-B3	464.77	36.0	47.3
	1.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
	3.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	3.0 J	MW109B	1786H-MW109B-B1	459.04	58.0	95.3
	4.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	8.0 J	MW110B	1786H-MW110B-B1	482.68	61.0	98.0
	2.0 J	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW114A	1786H-MW114A-B3	470.23	17.3	39.0
	4.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	3.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	6.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
bis(2-Ethylhexyl)phthalate (continued)	5.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW202B	1786H-MW202B-B4	474.22	71.4	128.3
	11.0	MW203B	1786H-MW203B-B1	472.91	20.9	62.4
	2.0 J	MW204A	1786H-MW204A-B2	486.76	21.4	56.0
	2.0 J	MW204A	1786H-MW401A-B3 (duplicate of 1786H-MW204A-B2)	486.76	21.4	56.0
	9.0 J	MW301C	1786H-MW301C-B1	464.83	210.0	250.0
	8.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	5.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	3.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	3.0 J	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
	3.0 J	MW316A	1786H-MW316A-B1	480.91	60.0	80.0
	1.0 J	Peiffer	1786H-PEIF-B1		20.0	50.0
Butylbenzylphthalate	No Detections					
Carbazole	2.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	6.0 J	MW007	1786H-MW007-B1	458.00	16.5	48.4
	9.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	2.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	2.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
Chrysene	No Detections					
Di-n-butylphthalate	2.0 J	MW006A	1786H-MW006A-A01	467.70	17.0	73.1
	1.0 J	MW107C	1786H-MW107C-A02	464.24	343.0	385.0
	1.0 J	MW110B	1786H-MW110B-B1	482.68	61.0	98.0
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	4.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	2.0 J	MW306A	1786H-MW306A-B1	465.60	38.0	58.0
	5.0 J	MW314A	1786H-MW314A-B1	458.11	55.0	75.0
Di-n-octylphthalate	3.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
Dibenzo(a,h)anthracene	No Detections					

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Dibenzofuran	6.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	37.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	20.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	6.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	6.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	4.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	10.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	35.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	2.0 J	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	2.0 J	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
Diethylphthalate	1.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	2.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
Dimethylphthalene	No Detections					
Fluoranthene	1.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	8.0 J	MW007	1786H-MW007-B1	458.00	16.5	48.4
	1.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	3.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	5.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	1.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	1.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	3.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
Fluorene	7.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	34.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	18.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	8.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	8.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	3.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	9.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	18.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	1.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
Hexachlorobenzene	No Detections					
Hexachlorobutadiene	No Detections					
Hexachlorocyclopentadiene	No Detections					
Hexachloroethane	No Detections					

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (µg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Indeno(1,2,3-cd)pyrene	No Detections					
Isophorone	No Detections					
N-nitroso-di-n-propylamine	No Detections					
N-Nitrosodiphenylamine	16.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	1.0 J	MW006	1786H-MW006-B3	459.77	13.0	27.6
	25.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	2.0 J	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	7.0 J	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW100A	1786H-MW100A-B1	459.61	11.0	24.0
	2.0 R	MW100A1	1786H-MW100A1-A02	459.67	30.0	40.0
	3.0 J	MW103B	1786H-MW103B-A01	474.50	67.0	110.0
	4.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8
N-Nitrosodiphenylamine (continued)	6.0 J	MW108A	1786H-MW108A-A01	462.06	8.0	21.0
	3.0 J	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	2.0 J	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	1.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	2.0 J	MW112A	1786H-MW112A-B2	480.31	20.0	51.0
	1.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	4.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	14.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	40.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	12.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	6.0 J	MW117C	1786H-MW117C-A02	458.64	153.7	193.9
	18.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	17.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	2.0 J	MW302B	1786H-MW302B-B4	453.85	140.0	180.0
	10.0	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	2.0 J	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
Naphthalene	19.0	MW004	1786H-MW004-B2	458.81	14.2	442.1
	2.0 J	MW006	1786H-MW006-B3	459.77	13.0	27.6
	160.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	7.0 J	MW015B	1786H-MW015B-A01	453.86	55.0	100.0
	1.0 J	MW016	1786H-MW016-A02	453.52	13.0	65.0
	1.0 J	MW107B	1786H-MW107B-B1	464.74	60.8	100.8

Table 4.6. Summary of SVOC analytical results for Round Two (January-March 1995) (continued).

Parameter	Concentration (μg/L)	Well ID	Sample ID	Ground Surface Elevation (ft MSL)	Sampling Interval (ft, BGS)	
					Top	Bottom
Naphthalene (continued)	4.0 J	MW107C	1786H-MW107C-A02	464.24	343.0	385.0
	1.0 R	MW108B	1786H-MW108B-A02	462.29	85.5	128.5
	15.0	MW109A	1786H-MW109A-B2	459.12	8.0	18.0
	10.0	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	33.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	42.0	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	20.0	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	48.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	30.0	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	29.0	MW118A	1786H-MW118A-B1	454.34	7.0	19.0
	28.0	MW118A	1786H-MW403A-B2 (duplicate of 1786H-MW118A-B1)	454.34	7.0	19.0
	12.0	MW303C	1786H-MW303C-B1	454.23	210.0	250.0
	8.0 J	MW304A	1786H-MW304A-B2	454.28	35.0	55.0
	5.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
	8.0 J	MW309A	1786H-MW309A-B2	447.90	70.0	90.0
Nitrobenzene	No Detections					
Pentachlorophenol	No Detections					
Phenanthrene	6.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	47.0	MW007	1786H-MW007-B1	458.00	16.5	48.4
	19.0	MW016B	1786H-MW16B-B1	454.31	41.7	115.0
	1.0 J	MW107C	1786H-MW107C-A02	464.24	343.0	385.0
	4.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	21.0	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	5.0 J	MW115B	1786H-MW115B-A01	458.09	84.0	126.0
	6.0 J	MW116A	1786H-MW116A-A01	458.82	7.0	17.0
	24.0	MW117A	1786H-MW117A-A02	458.69	14.0	28.0
	2.0 J	MW117B	1786H-MW117B-B1	458.81	62.0	112.0
	2.0 J	MW305C	1786H-MW305C-B4	469.73	240.0	281.0
Phenol	4.0 J	MW307A	1786H-MW307A-B1	466.49	35.0	65.0
	1.0 J	MW314A	1786H-MW314A-B1	458.11	55.0	75.0
Pyrene	1.0 J	MW004	1786H-MW004-B2	458.81	14.2	442.1
	4.0 J	MW007	1786H-MW007-B1	458.00	16.5	48.4
	2.0 J	MW110A	1786H-MW110A-B1	482.77	27.0	45.0
	2.0 J	MW113B	1786H-MW113B-A01	470.15	208.0	252.0
	2.0 J	MW117A	1786H-MW117A-A02	458.69	14.0	28.0

- 1,2-Dichloroethene (maximum = 8000 μg/L at well MW116A)
- Tetrachloroethene (maximum = 13000 μg/L at well MW115B)
- Trichloroethene (maximum = 4200 μg/L at well MW115B)

The horizontal extent of total VOCs for shallow and mid-depth wells is shown in Figures 4.5 and 4.6, respectively. Total VOC concentrations were obtained by summing the value of all VOCs detected in each sample. The total VOC levels in the shallow zone are contoured in Figure 4.5 to indicate the horizontal distribution. Mid-depth wells are not contoured due to a lack of control points. Isoconcentration lines were developed based on the Round Two data. Additionally, isoconcentration lines were adjusted based on knowledge of historical operations and the environmental setting (e.g., areas where adjacent sample locations show extreme variability as a result of aquifer heterogeneity or historical groundwater extraction effects).

The shallow VOC plume is centered on the relatively high levels detected in the Plant production area. Elevated total VOC levels also occur in offsite wells just east of the site, but these levels are one to two orders of magnitude below levels in the production area. Elevated total VOC levels in most mid-depth wells, including wells in the southern portion of the Plant, appear to be related to shallow contamination in the production area. This observation is consistent with aquifer test results (reported in separate task reports) which show that mid-depth zones in the southern portion of the Plant are hydraulically connected to shallow zones in the northern portion of the Plant. One offsite mid-depth well (RW007B) shows elevated total VOCs; however, this detection has historically been attributed to industrial operations at the facility that owned and operated that well.

All SVOCs detected in Round Two samples have been detected in previous RI samples with three minor exceptions: (1) carbazole was detected at seven wells (maximum level = 9 μg/L; (2) di-n-butylphthalate was detected at seven wells (maximum level = 5 μg/L; and (3) phenol was detected at two wells (maximum level = 4 μg/L). None of these chemicals were detected above the laboratory quantitation limit and the detections are not

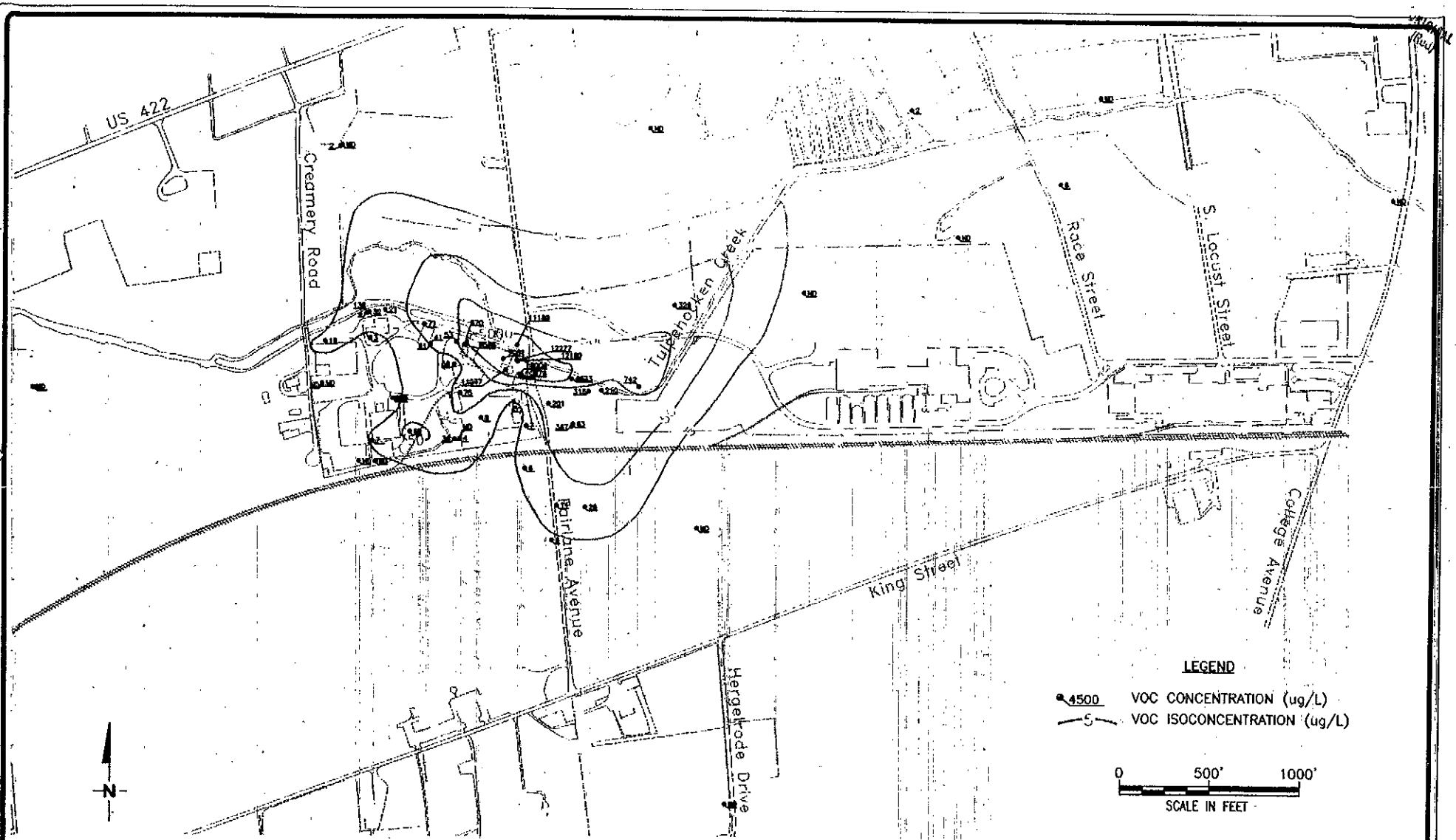
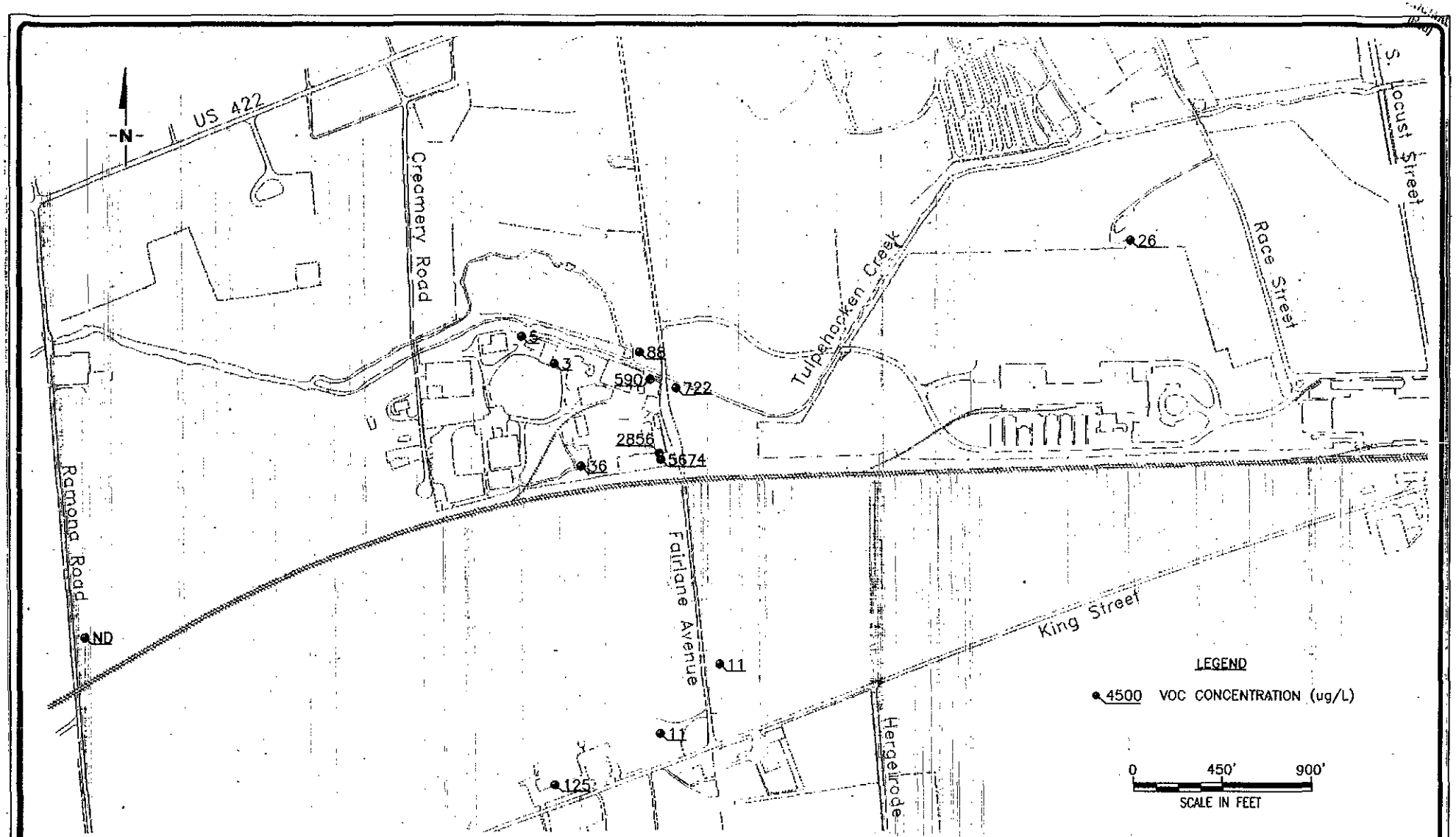


Figure 4.5 VOC concentration in shallow (<150 ft BGS).



Fig[illegible] Total VOC concentration in mid-depth (150-450 ft BGS).

considered a significant new finding. SVOC concentrations were less than the maximum concentrations detected in previous RI samples with five minor exceptions including:

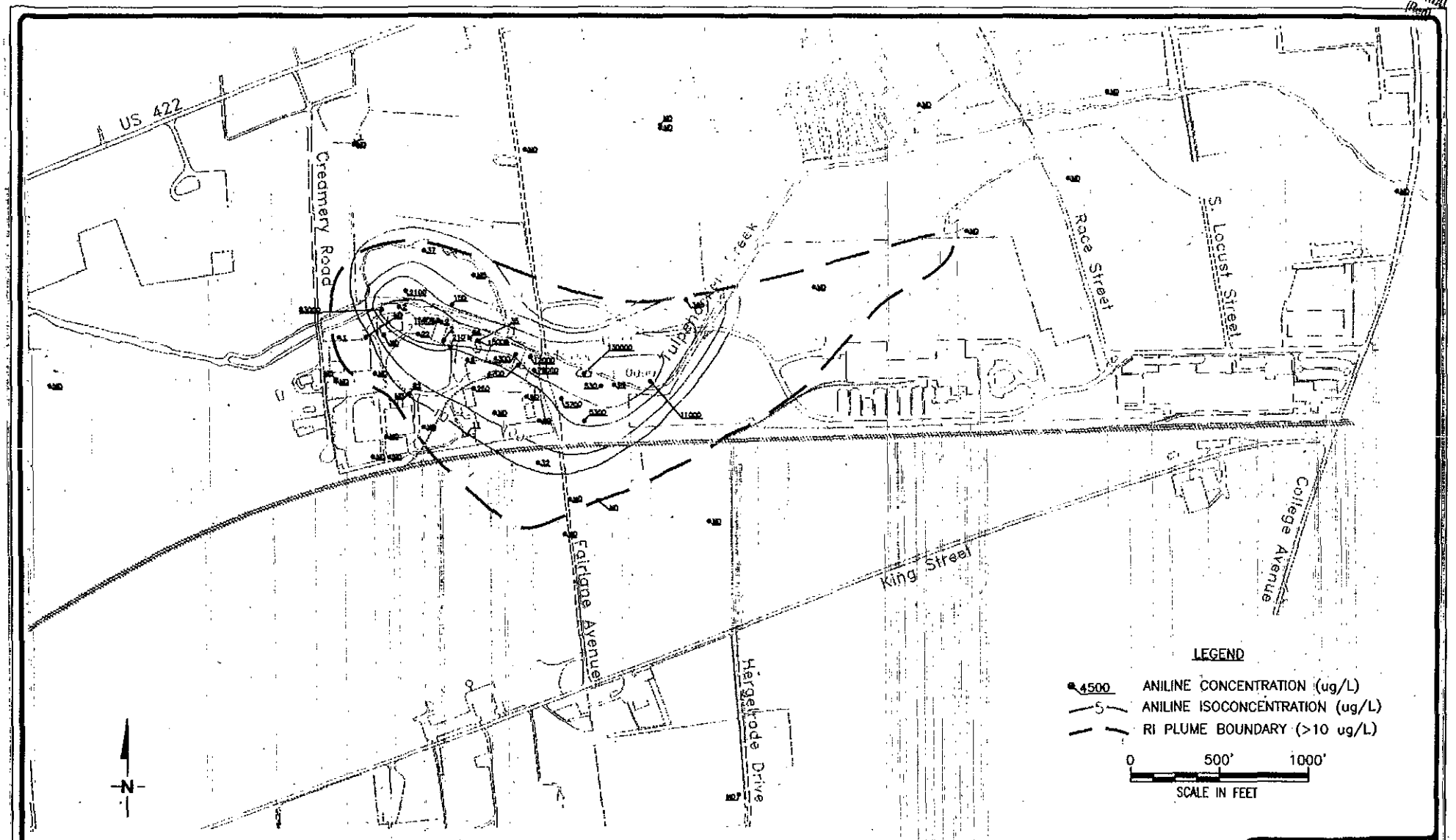
- 2,4-dimethylphenol detected at MW016B and MW116A
- 2-methylphenol detected at MW016B
- 4-methylphenol detected at MW116A and MW117A
- Anthracene detected at MW007
- Fluoranthene detected at MW007

These are all minor constituents and their maximum concentrations exceed the RI maximum levels by only 1-17 μg/L. The most significant SVOCs detected in Round Two are listed below:

- aniline (maximum = 130000 μg/L at well MW016B)
- 4-chloroaniline (maximum = 1400 μg/L at well MW112A)
- naphthalene (maximum = 160 μg/L at well MW007)

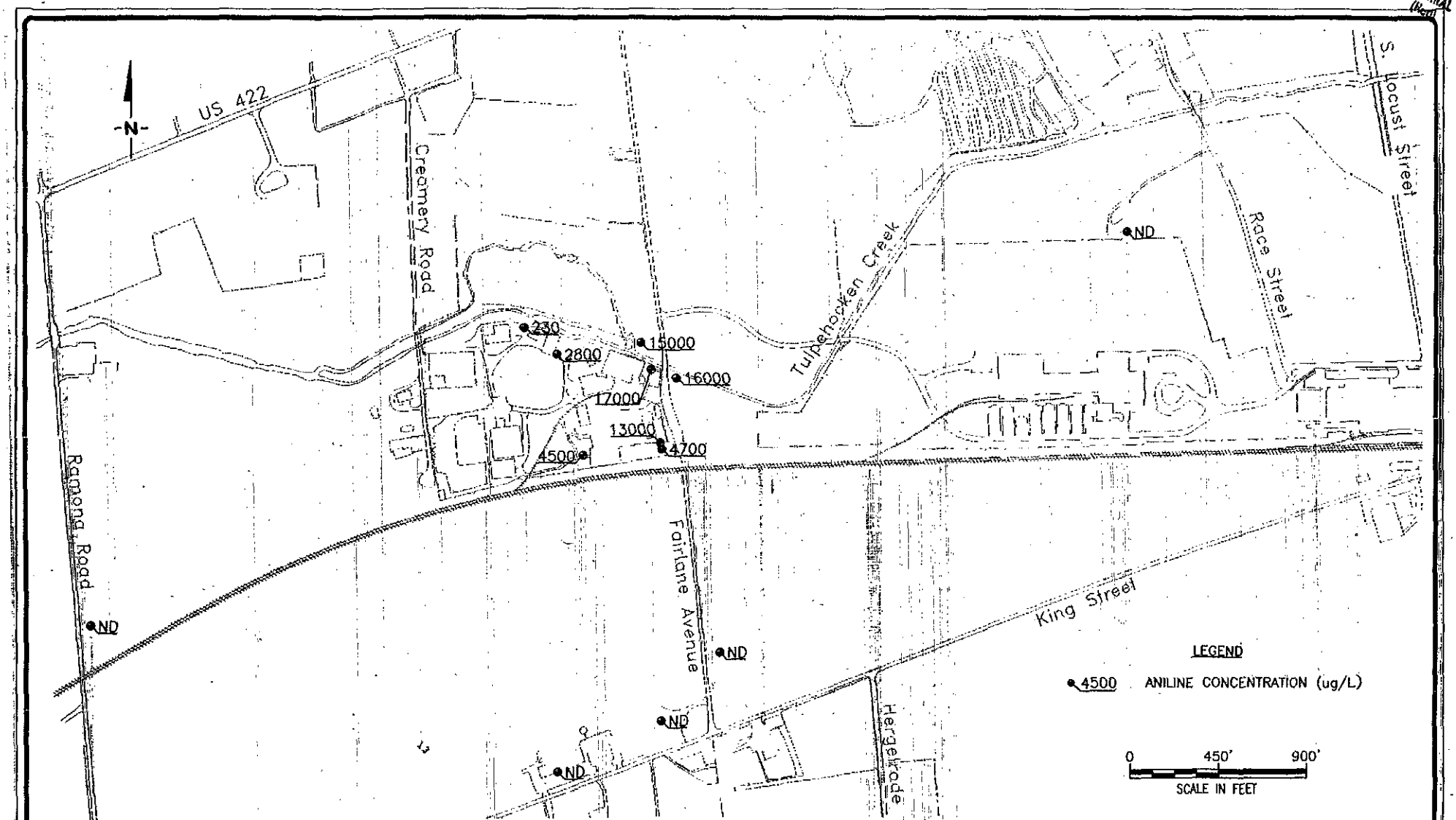
The horizontal extent of the principal SVOC, aniline, for shallow and mid-depth wells is shown in Figures 4.7 and 4.8, respectively. The aniline levels in the shallow zone are contoured in Figure 4.7 to indicate the horizontal distribution. Mid-depth wells are not contoured due to a lack of control points. Isoconcentration lines were developed based on both the Round Two data plus data from additional wells recently installed around potential source areas (MW317A–MW324A). Additionally, isoconcentration lines were adjusted based on knowledge of historical operations and the environmental setting (e.g., areas where adjacent sample locations show extreme variability as a result of aquifer heterogeneity or historical groundwater extraction effects).

The shape of the 10 μg/L plume boundary is somewhat smaller than the boundary shown in the RI report. The plume does not extend as far to the east, and the western boundary has been moved slightly eastward. The plume centers on two clusters of relatively



Fi[illegible] Aniline concentration in shallow (<150 ft BGS).

ORIGINAL (Red)



e 4.8 Aniline concentration in mid-depth (150-450 ft BGS).

ORIGINAL (Red)

high aniline levels detected around the vault and the production area. The highest level occurs offsite in MW016B, just across from the production area. These potential source areas are adjacent to Tulpehocken Creek and the plume shape suggests that shallow aniline migration follows the trend of the creek valley.

The vertical distribution of the principal SVOC, aniline, is illustrated in Plate 2. The following observations were made:

1. Aniline levels are elevated in both shallow and mid-depth zones around the production area.

2. Along the northern boundary of the site, higher aniline levels tend to cluster around the lower shallow/upper mid-depth zones.

3. Along the southern boundary of the site, aniline levels are higher in the mid-depth zone than in the shallow zone.

4. Wells located in the middle of the site show relatively low aniline levels; however, these wells are all completed in the upper shallow zone.

These observations are very similar to patterns observed for arsenic distribution, and for every occurrence of aniline, there is a corresponding occurrence of arsenic at high concentration.

5 DISCUSSION

5.1 DISTRIBUTION OF GROUNDWATER CONTAMINANTS

The results of water quality sampling conducted during the Remedial Design investigation suggest that groundwater quality in 1995 is similar in the nature and extent of contamination to groundwater quality observed in 1989 (described in RI report). There are no new chemicals of concern and the maximum levels of all significant chemicals of concern have decreased.

The data collected during the RD investigation have been used to refine the boundary of the arsenic and aniline plumes. Isoconcentration maps developed from these data indicate that the shape and extent of the plumes have changed little since the RI. The distribution of contamination appears to have reached a dynamic equilibrium in which the relationship between the rate of release from source areas, the contaminant migration rates, and the rate of dilution in the aquifer is relatively constant. Discuss release to the Creek.

5.2 CONTAMINANT LEVELS OVER TIME

Groundwater sample results reported for arsenic and aniline since 1988 (including all Remedial Investigation and Remedial Design samples) are presented in Plates 3 and 4, respectively. The results of sampling for both constituents show a significant variation over time at individual wells; however, these variations do not appear to perturb the overall balance of processes that act to maintain a stable plume size. There is no apparent trend to the magnitude or direction of the differences in concentration regardless of open interval, site location, or proximity to a potential source area. Given the apparent stability of the plumes, the variations may be attributed to the following:

- **Seasonal effects:** Portions of both RI and RD data were collected during unusual climate conditions (e.g., low water table due to drought). RI and RD samples also were collected at different times of the year.

- **Injection Effects:** During the RD, injection from the Package Treatment System may have had a short-term effect on water quality at specific locations (e.g., well MW113A shows a reduction in contaminant levels due to injection of treated water).

- **Sample Collection Effects:** As shown during packer testing, purging procedures can have significant effect on the sample result.

For the results shown in Plates 3 and 4, the variations can be greater than an order of magnitude.

To further evaluate the assertion that contaminant migration has reached a state of dynamic equilibrium that inhibits the expansion of the plume, the RI and RD findings were compared to historic studies of the site performed by the United States Geological Survey (Wood, 1973) and the Pennsylvania Geological Survey (Royer, 1983). As part of his evaluation of arsenic in Tulpehocken Creek, Wood collected groundwater samples in July 1973 from a network of wells that bounded the plume at that time. Using the Wood data set, Royer presented a delineation of the plume (based on the 50 μg/L isoconcentration contour) in her 1983 report. The plume delineation presented by Royer (1983) is compared to the RI and RD plume delineations in Figure 5.1. The wells used for each plume delineation are also shown in Figure 5.1. The shape of the three delineations varies due to a difference in monitoring networks but, overall, the extent of each plume is similar. The stability of plume size for more than 20 years supports the conclusion that hydrogeologic processes have developed a natural containment system ~~that balances source release with natural~~ attenuation.

5.3 USE OF WATER QUALITY DATA FOR REMEDIAL DESIGN

Water quality information plays a critical role in both the design and monitoring of a groundwater extraction and treatment system. Based on the findings presented in this report, WLPSG has identified several key issues to be evaluated in the design task. The most important of these include:

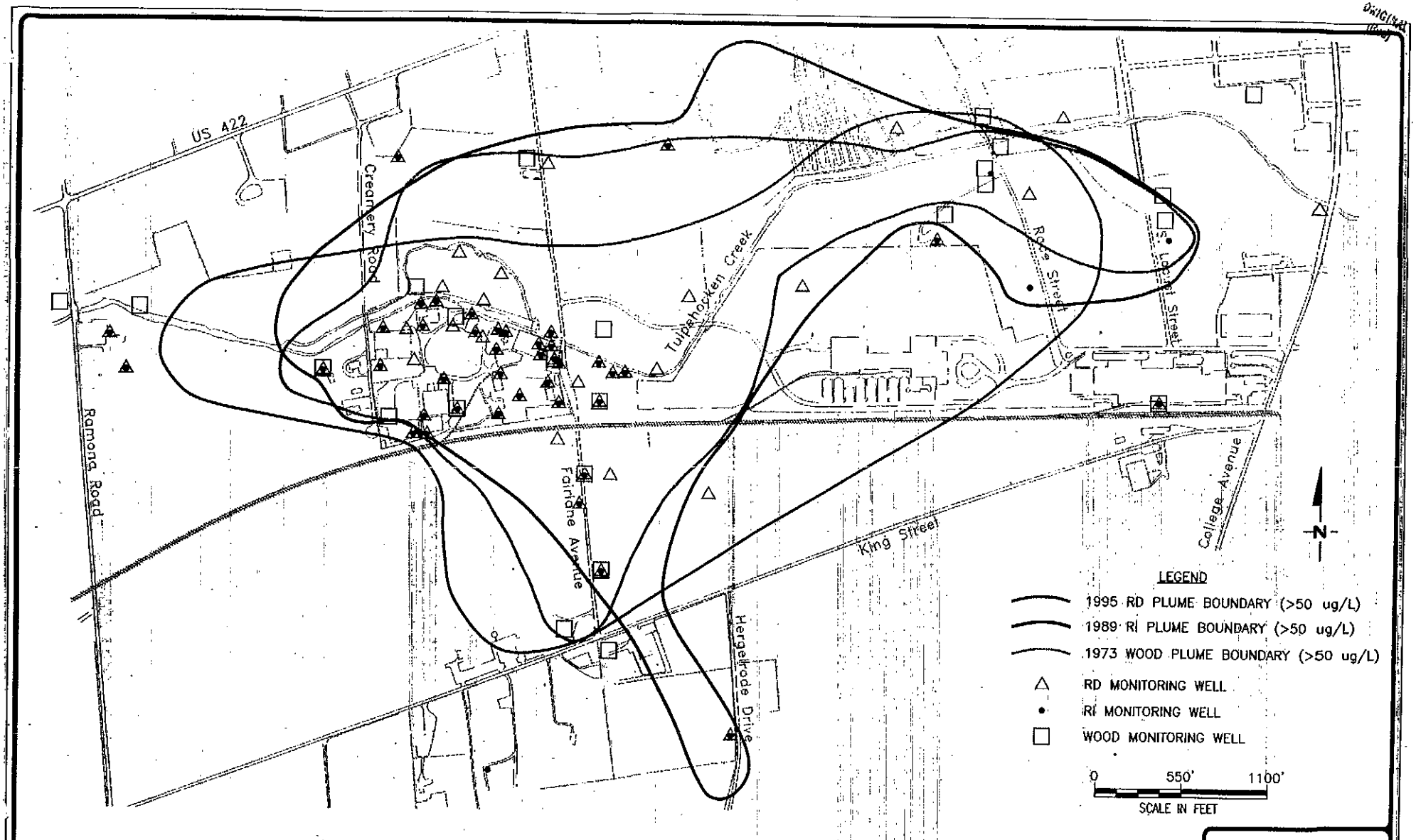


Figure 5.1 Comparison of arsenic plume interpretations from 1973, 1989, and 1995.

GeoTrans, inc.

1. Containment and remediation of contamination in the mid-depth zone without increasing vertical migration from the shallow zone.

2. Estimation and management of treatment system influent concentrations given the seasonal variability of concentrations over time.

3. Performance monitoring procedures to assess remedial action effectiveness given the variability in sampling results.

4. Identification of the appropriate number and location of containment wells given the heterogeneity of migration pathways for chemicals of concern.

5. Evaluation of the extent of the offsite containment system given the apparent stability of the contaminant plume.

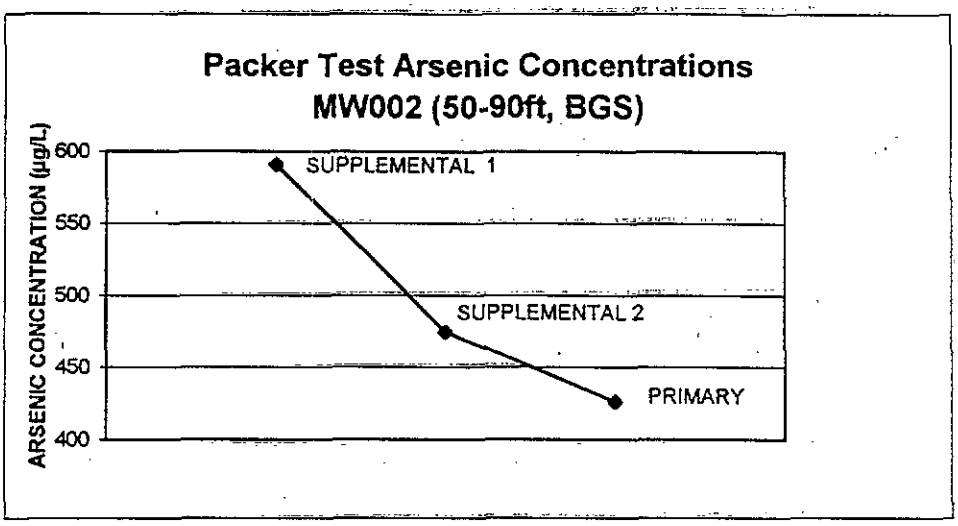
6 REFERENCES

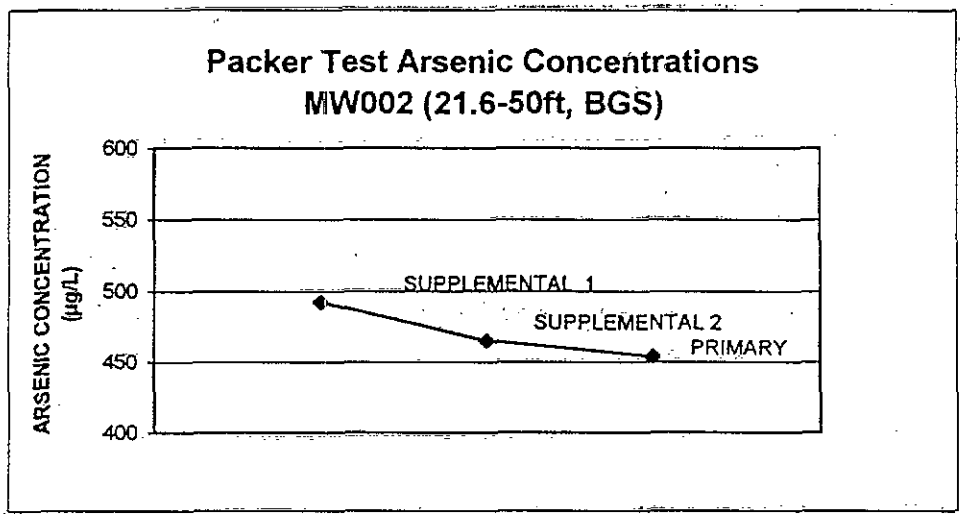
Royer, D.W., 1983. Summary Groundwater Resources of Lebanon County, Pennsylvania, Water Resource Report 55, Pennsylvania Geological Survey, Fourth Series, Harrisburg, Pennsylvania.

Wood, C.R., 1973. Evaluation of arsenic concentrations in the Tulpehocken Creek basin, Pennsylvania, U.S. Geological Survey Open-File Report, 16 p.

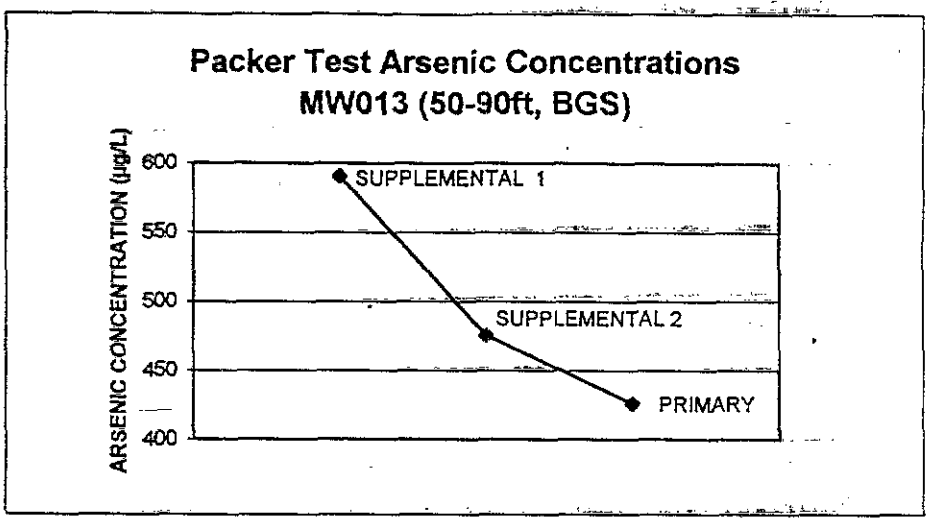
APPENDIX A

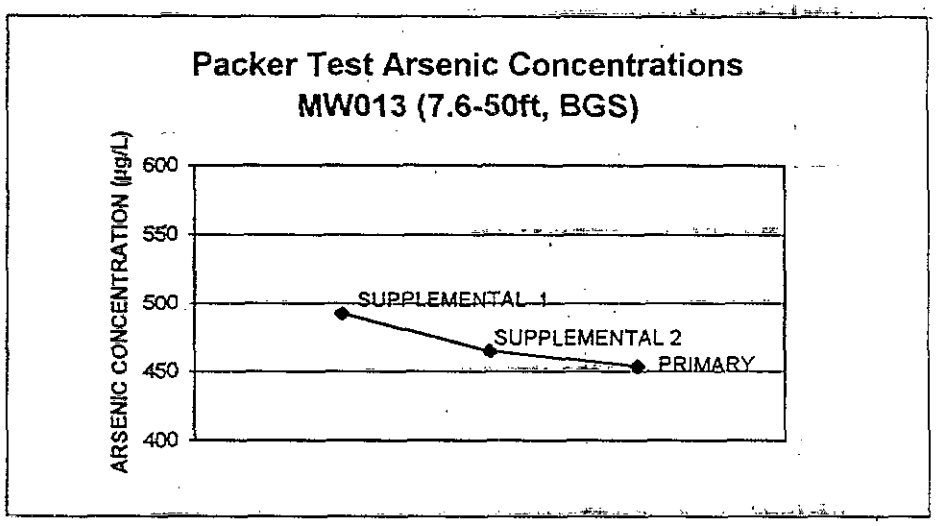
PLOTS OF ROUND ONE SUPPLEMENTAL SAMPLES

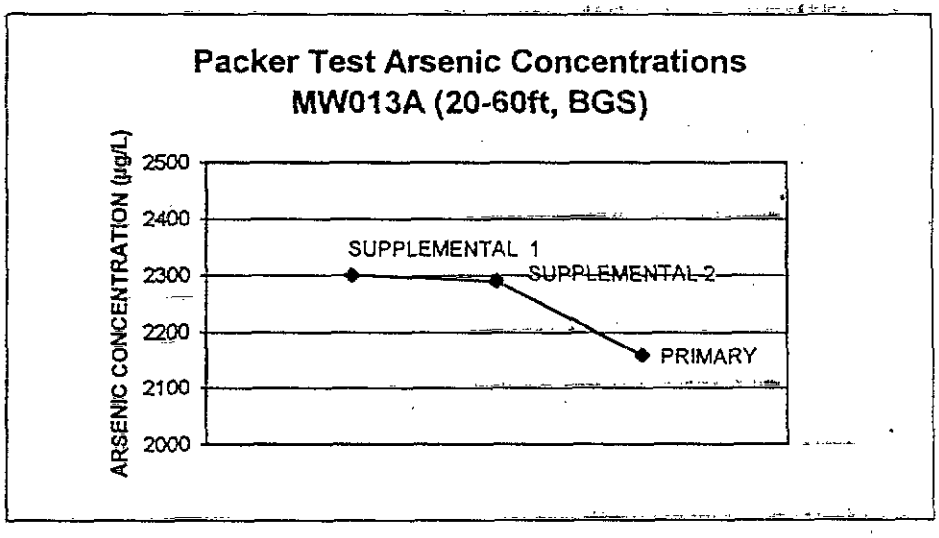

Packer Test Arsenic Concentrations
MW002 (50-90ft, BGS)
ARSENIC CONCENTRATION (µg/L)
600
550
500
450
400
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY


Packer Test Arsenic Concentrations
MW002 (21.6-50ft, BGS)
ARSENIC CONCENTRATION (µg/L)
600
550
500
450
400
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

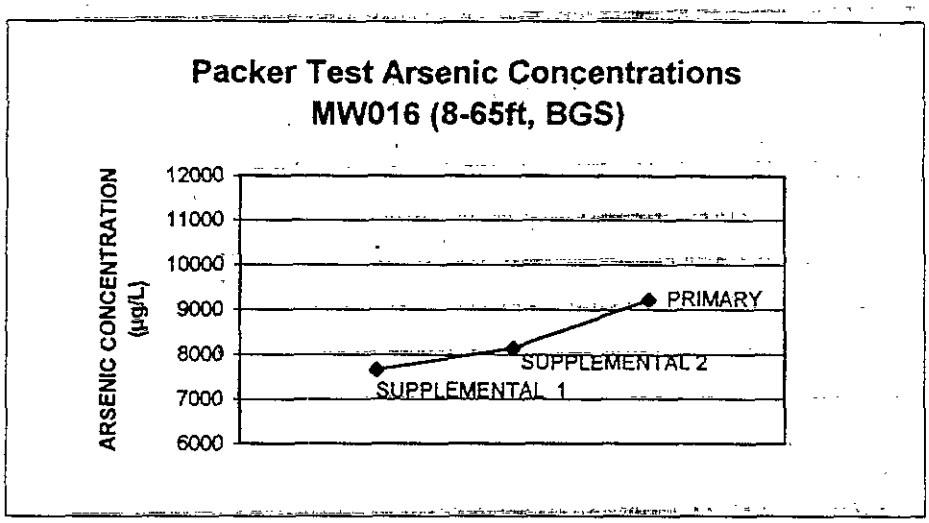
IR301102

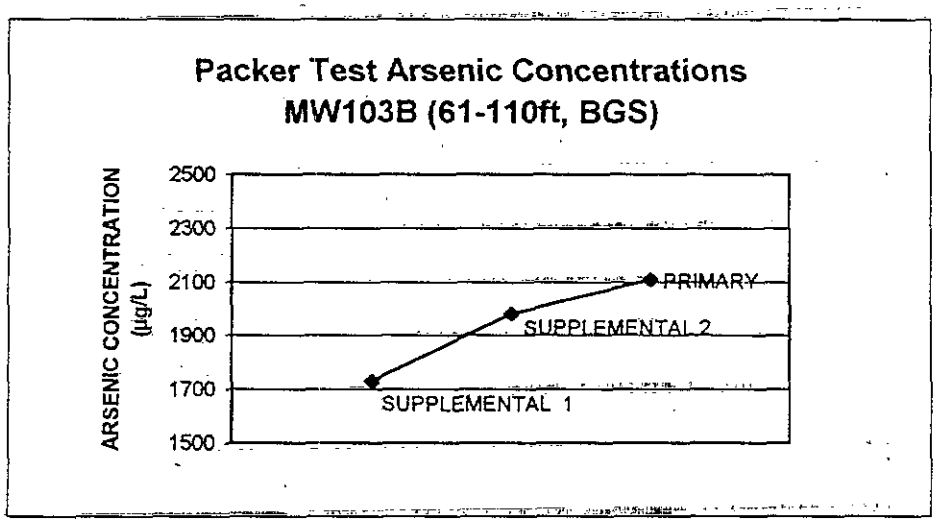

Packer Test Arsenic Concentrations
MW013 (50-90ft, BGS)
ARSENIC CONCENTRATION (µg/L)
600
550
500
450
400
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

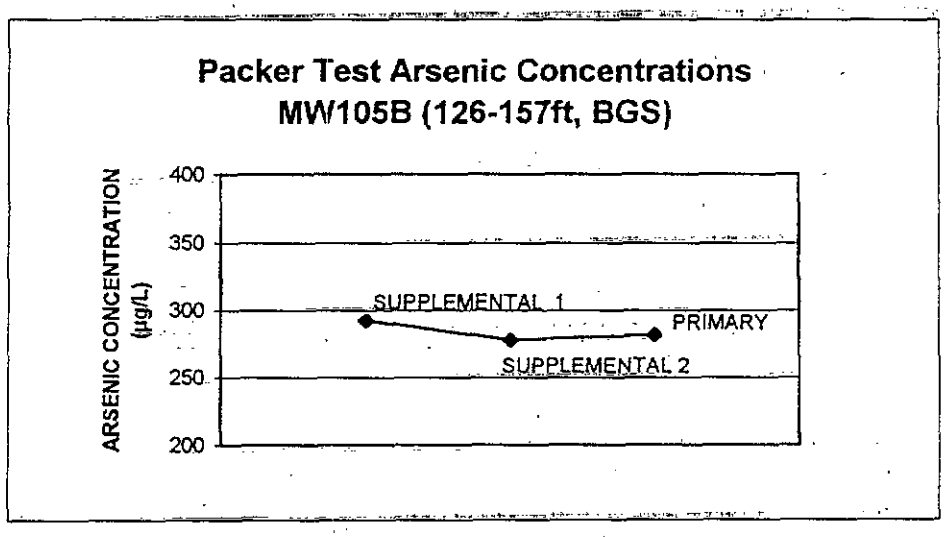

Packer Test Arsenic Concentrations
MW013 (7.6-50ft, BGS)
ARSENIC CONCENTRATION (µg/L)
600
550
500
450
400
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY


Packer Test Arsenic Concentrations
MW013A (20-60ft, BGS)
ARSENIC CONCENTRATION (µg/L)
2500
2400
2300
2200
2100
2000
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

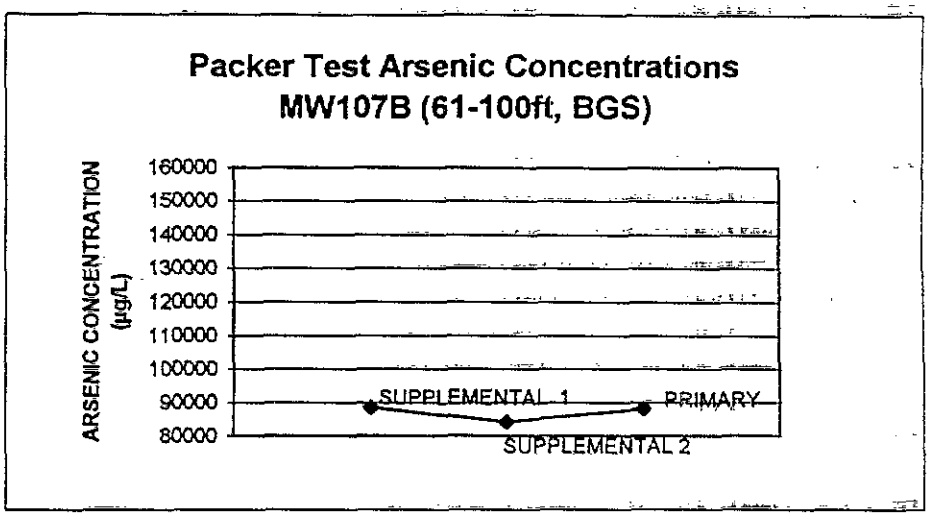
AR301103

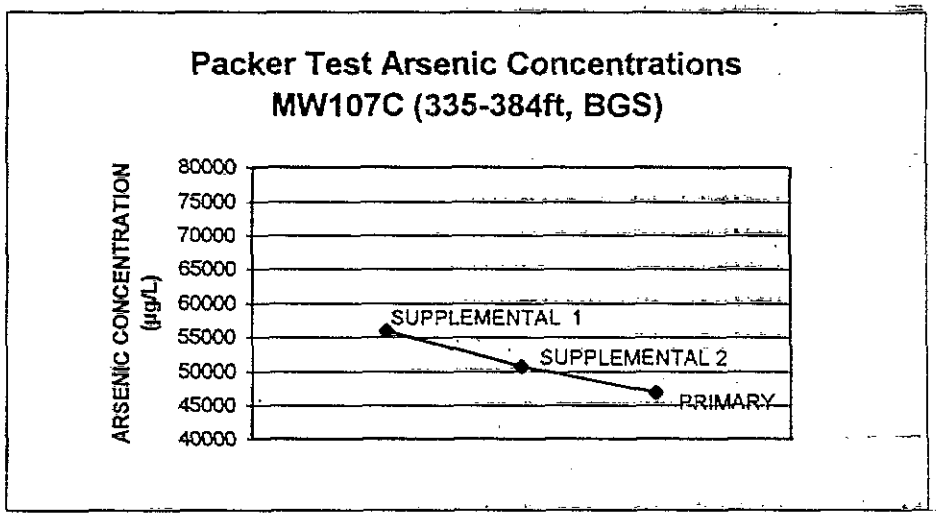

Packer Test Arsenic Concentrations
MW016 (8-65ft, BGS)
ARSENIC CONCENTRATION (µg/L)
12000
11000
10000
9000
8000
7000
6000
PRIMARY
SUPPLEMENTAL 2
SUPPLEMENTAL 1

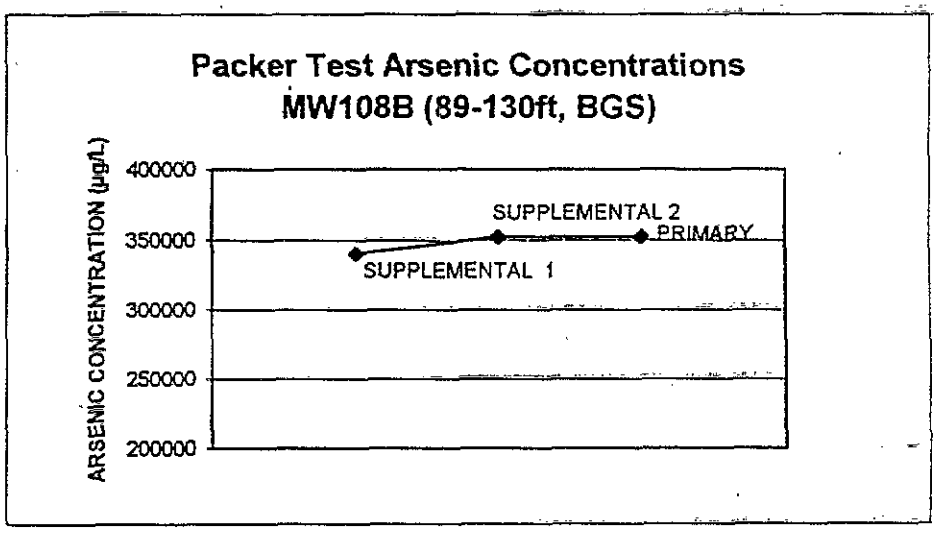

Packer Test Arsenic Concentrations
MW103B (61-110ft, BGS)
ARSENIC CONCENTRATION (µg/L)
2500
2300
2100
1900
1700
1500
PRIMARY
SUPPLEMENTAL 2
SUPPLEMENTAL 1

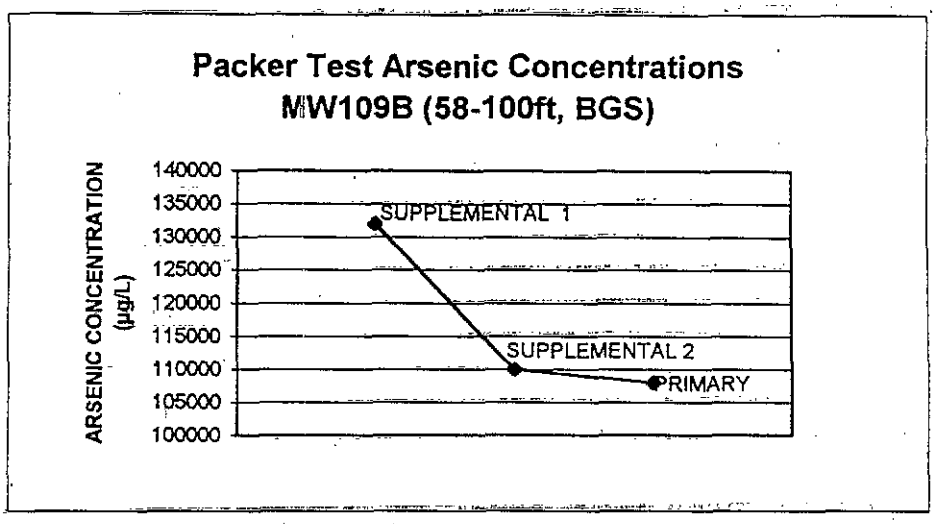

Packer Test Arsenic Concentrations
MW105B (126-157ft, BGS)
ARSENIC CONCENTRATION (µg/L)
400
350
300
250
200
SUPPLEMENTAL 1
PRIMARY
SUPPLEMENTAL 2

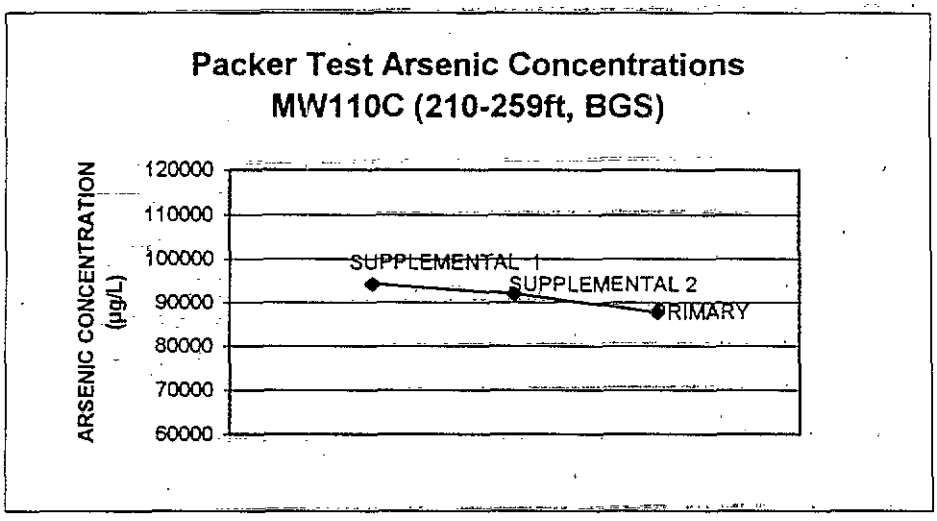
AR 301104

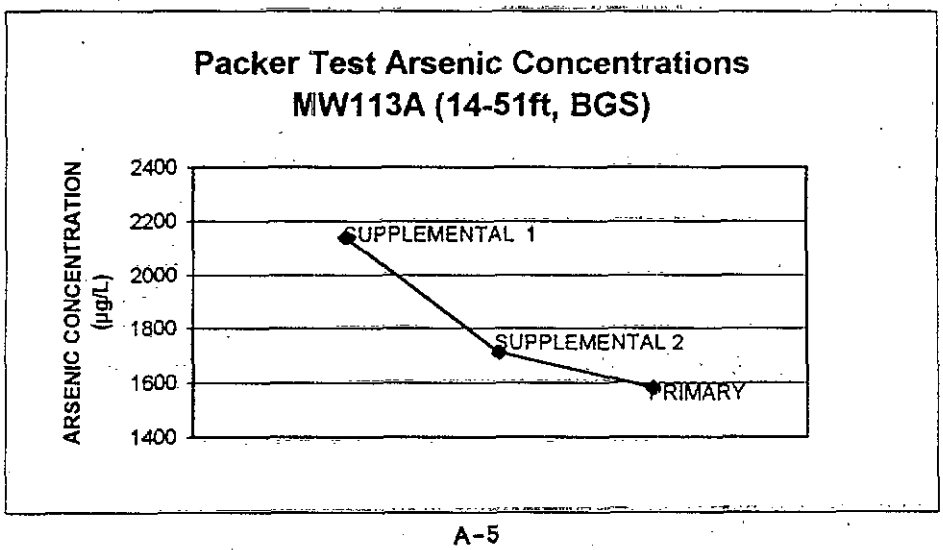

Packer Test Arsenic Concentrations
MW107B (61-100ft, BGS)
ARSENIC CONCENTRATION (µg/L)
160000
150000
140000
130000
120000
110000
100000
90000
80000
SUPPLEMENTAL 1
PRIMARY
SUPPLEMENTAL 2


Packer Test Arsenic Concentrations
MW107C (335-384ft, BGS)
ARSENIC CONCENTRATION (µg/L)
80000
75000
70000
65000
60000
55000
50000
45000
40000
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

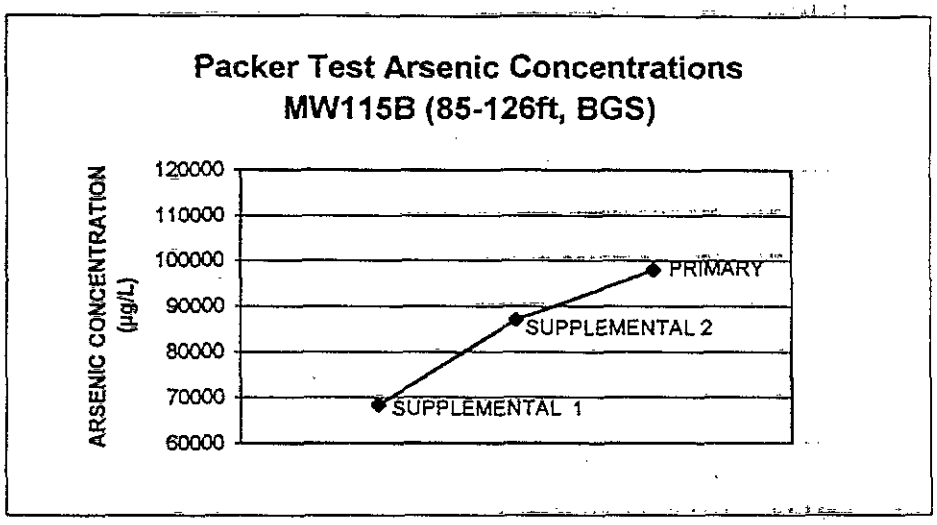

Packer Test Arsenic Concentrations
MW108B (89-130ft, BGS)
ARSENIC CONCENTRATION (µg/L)
400000
350000
300000
250000
200000
SUPPLEMENTAL 2
PRIMARY
SUPPLEMENTAL 1

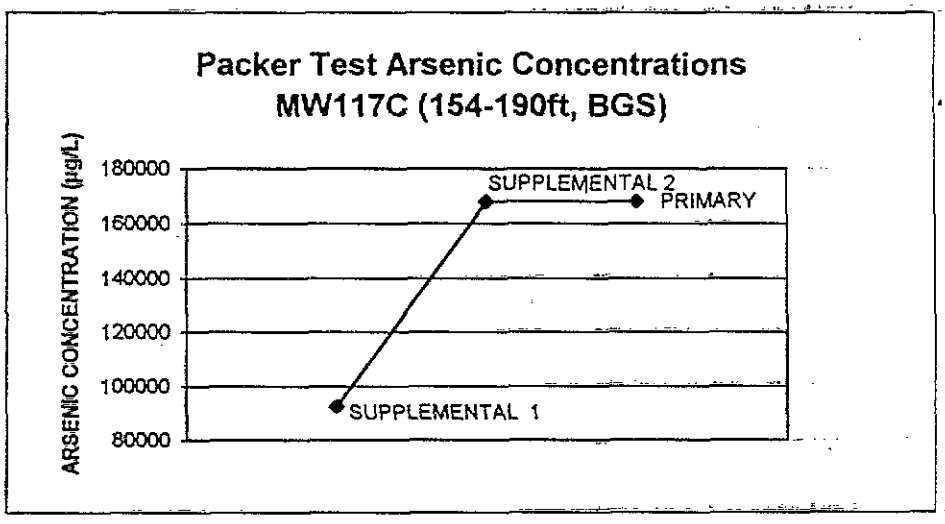

Packer Test Arsenic Concentrations
MW109B (58-100ft, BGS)
ARSENIC CONCENTRATION (µg/L)
140000
135000
130000
125000
120000
115000
110000
105000
100000
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY


Packer Test Arsenic Concentrations
MW110C (210-259ft, BGS)
ARSENIC CONCENTRATION (µg/L)
120000
110000
100000
90000
80000
70000
60000
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

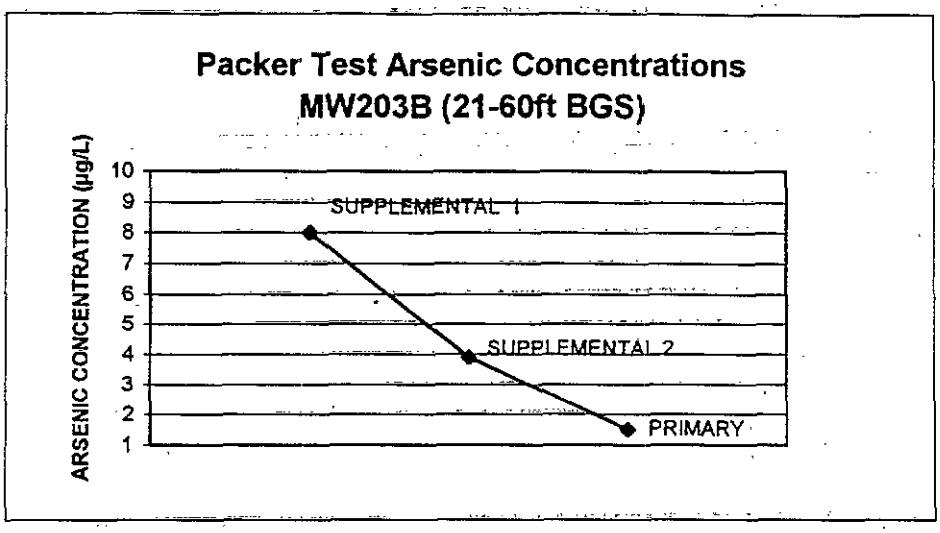

Packer Test Arsenic Concentrations
MW113A (14-51ft, BGS)
ARSENIC CONCENTRATION (µg/L)
2400
2200
2000
1800
1600
1400
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY

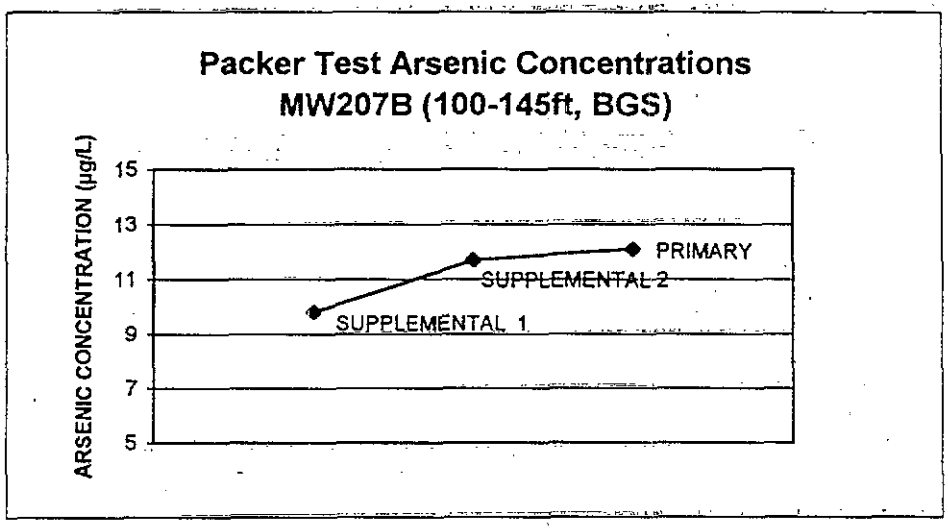
AR301106


Packer Test Arsenic Concentrations
MW115B (85-126ft, BGS)
ARSENIC CONCENTRATION (µg/L)
120000
110000
100000
90000
80000
70000
60000
PRIMARY
SUPPLEMENTAL 2
SUPPLEMENTAL 1


Packer Test Arsenic Concentrations
MW117C (154-190ft, BGS)
ARSENIC CONCENTRATION (µg/L)
180000
160000
140000
120000
100000
80000
SUPPLEMENTAL 2
PRIMARY
SUPPLEMENTAL 1

AR301107


Packer Test Arsenic Concentrations
MW203B (21-60ft BGS)
ARSENIC CONCENTRATION (µg/L)
10
9
8
7
6
5
4
3
2
1
SUPPLEMENTAL 1
SUPPLEMENTAL 2
PRIMARY


Packer Test Arsenic Concentrations
MW207B (100-145ft, BGS)
ARSENIC CONCENTRATION (µg/L)
15
13
11
9
7
5
PRIMARY
SUPPLEMENTAL 2
SUPPLEMENTAL 1

AR301108

APPENDIX B

WATER QUALITY ANALYSIS RESULTS

ORIGINAL (Red)

Appendix B1

Round 1 Inorganic Results

(Total Arsenic)

D:\WHITMOYE\SAMP-RPT.W61

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW002			MW002			MW002			MW002			MW002		
Sample ID	1786H-MW2-B1			1786H-MW2-B2			1786H-MW2-B3			1786H-MW2-B4			1786H-MW2-B5		
Sample date	6/22/94			6/22/94			6/22/94			6/23/94			6/23/94		
Sample interval top (ft, BGS)	50			50			50			21.6			21.6		
Sample interval bottom (ft, BGS)	90			90			90			50			50		
QA type	S*			S*			S			S*			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	591		100	475		100	426		100	492		100	465		100

*Supplemental samples
collected during packer testing

B1-1

1R301111

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW002			MW013			MW013			MW013			MW013		
Sample ID	1786H-MW2-B6			1786H-MW13-A1			1786H-MW13-A2			1786H-MW13-A3			1786H-MW13-A4		
Sample date	6/23/94			6/8/94			6/8/94			6/8/94			6/8/94		
Sample interval top (ft, BGS)	21.6			50			50			50			7.6		
Sample interval bottom (ft, BGS)	50			90			90			90			50		
QA type	S			S*			S*			S			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	454		100	837		100	273		100	270		100	254		100

*Supplemental samples
collected during packer testing

B1-2

1R301112

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW013			MW013			MW013A			MW013A			MW013A		
Sample ID	1786H-MW13-A5			1786H-MW13-A6			1786H-MW13A-B1			1786H-MW13A-B2			1786H-MW13A-B3		
Sample date	6/8/94			6/8/94			6/7/94			6/7/94			6/7/94		
Sample interval top (ft, BGS)	7.6			7.6			3.8			3.8			3.8		
Sample interval bottom (ft, BGS)	50			50			60			60			60		
QA type	S*			S			S*			S*			S		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	220		100	351		100	2300		100	2290		100	2160		100

*Supplemental samples
collected during packer testing

B1-3

AR301113

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW015B			MW016			MW016			MW016			MW016A		
Sample ID	1786H-MW15B-B1			1786H-MW16-B1			1786H-MW16-B2			1786H-MW16-B3			1786H-MW016A-B2		
Sample date	7/11/94			5/24/94			5/24/94			5/24/94			7/11/94		
Sample interval top (ft, BGS)	60			7.6			7.6			7.6			11		
Sample interval bottom (ft, BGS)	100			65			65			65			77		
QA type	S			S*			S*			S			S		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	3360		100	7650		2000	8140		2000	9220		2500	1670		100

*Supplemental samples
collected during packer testing

B1-4

AR301114

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW016A			MW100A			MW100A1			MW100B			MW103A		
Sample ID	1786H-MW22-B3			1786H-MW100A-A1			1786H-MW100A1-A2			1786H-MW100B-A1			1786H-MW103A-B1		
Sample date	7/11/94			6/30/94			7/1/94			6/30/94			7/5/94		
Sample interval top (ft, BGS)	11			11			30			62			16		
Sample interval bottom (ft, BGS)	77			24			40			122			29		
QA type	DP			S			S			S			S		
Total Arsenic (ug/L)	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**
Arsenic(Total)	1800		100	314000		100	151000		100	149000		100	424		100

*Supplemental samples
collected during packer testing

B1-5

AR301115

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW103B			MW103B			MW103B			MW103B			MW105B		
Sample ID	1786H-MW103B-B1			1786H-MW103B-B2			1786H-MW103B-B3			1786H-MW21-B4			1786H-MW105B-B1		
Sample date	6/16/94			6/16/94			6/16/94			6/16/94			5/26/94		
Sample interval top (ft, BGS)	61			61			61			61			126		
Sample interval bottom (ft, BGS)	110			110			110			110			156.9		
QA type	S*			S*			S			DP			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	1730		100	1980		100	2110		100	2110		100	292		100

*Supplemental samples
collected during packer testing

B1-6

AR301116

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW105B			MW105B			MW106A			MW106B			MW107A		
Sample ID	1786H-MW105B-B2			1786H-MW105B-B3			1786H-MW106A-B2			1786H-MW106B-B1			1786H-MW107A		
Sample date	5/26/94			5/26/94			6/28/94			6/28/94			6/28/94		
Sample interval top (ft, BGS)	126			126			23			62			36		
Sample interval bottom (ft, BGS)	156.9			156.9			44			75			47		
QA type	S*			S			S			S			S		
Total Arsenic (ug/L)	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**
Arsenic(Total)	278		100	282		100	655		100	4700		100	90400		100

*Supplemental samples
collected during packer testing

B1-7

1R301117

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW107B			MW107B			MW107B			MW107C			MW107C		
Sample ID	1786H-MW107B-A1			1786H-MW107B-A2			1786H-MW107B-A3			1786H-MW107C-A1			1786H-MW107C-A2		
Sample date	6/17/94			6/17/94			6/17/94			6/13/94			6/13/94		
Sample interval top (ft, BGS)	61			61			61			335			335		
Sample interval bottom (ft, BGS)	100			100			100			383.5			383.5		
QA type	S*			S*			S			S*			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	88400		100	84100		100	88200		100	55900		100	50700		100

*Supplemental samples
collected during packer testing

B1-8

1R301118

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW107C			MW108B			MW108B			MW108B			MW109B		
Sample ID	1786H-MW107C-A3			1786H-MW108B-B1			1786H-MW108B-B2			1786H-MW108B-B3			1786H-MW109B-A1		
Sample date	6/13/94			6/9/94			6/9/94			6/9/94			6/13/94		
Sample interval top (ft, BGS)	335			89			89			89			58		
Sample interval bottom (ft, BGS)	383.5			130			130			130			100		
QA type	S			S*			S*			S			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	46900		100	340000		100	352000		100	352000		100	132000		100

*Supplemental samples
collected during packer testing

B1-9

IR301119

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW109B			MW109B			MW110A			MW110B			MW110C		
Sample ID	1786H-MW109B-A2			1786H-MW109B-A3			1786H-MW110A-A2			1786H-MW110B-A1			1786H-MW110C-A1		
Sample date	6/13/94			6/13/94			7/6/94			7/6/94			6/22/94		
Sample interval top (ft, BGS)	58			58			27			60			210		
Sample interval bottom (ft, BGS)	100			100			45			196			225.78		
QA type	S*			S			S			S			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	110000		100	108000		100	813		100	1950		100	94300		100

*Supplemental samples
collected during packer testing

B1-10

1R301120

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW110C			MW110C			MW111A			MW113A			MW113A		
Sample ID	1786H-MW110C-A2			1786H-MW110C-A3			1786H-MW111A-A2			1786H-MW113A-B1			1786H-MW113A-B2		
Sample date	6/22/94			6/22/94			7/7/94			6/1/94			6/1/94		
Sample interval top (ft, BGS)	210			210			15			14			14		
Sample interval bottom (ft, BGS)	225.78			225.78			80			50.9			50.9		
QA type	S*			S			S			S*			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	91900		100	87600		100	2730		100	2140		100	1710		100

*Supplemental samples
collected during packer testing

B1-11

AR301121

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW113A			MW113B			MW115B			MW115B			MW115B		
Sample ID	1786H-MW113A-B3			1786H-MW113B-A1			1786H-MW115B-A1			1786H-MW115B-A2			1786H-MW115B-A3		
Sample date	6/1/94			7/6/94			5/25/94			5/25/94			5/25/94		
Sample interval top (ft, BGS)	14			90			85			85			85		
Sample interval bottom (ft, BGS)	50.9			252			333.9			333.9			333.9		
QA type	S			S			S*			S*			S		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	1580		100	84800		100	68400		50000	87000		50000	98000		50000

*Supplemental samples
collected during packer testing

B1-12

AR301122

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW117B			MW117C			MW117C			MW117C			MW201C		
Sample ID	1786H-MW117B-B1			1786H-MW117C-A1			1786H-MW117C-A2			1786H-MW117C-A3			1786H-MW201C-A1		
Sample date	7/12/94			6/1/94			6/1/94			6/1/94			5/16/94		
Sample interval top (ft, BGS)	60			153.7			153.7			153.7			205		
Sample interval bottom (ft, BGS)	112			190			190			190			252		
QA type	S			S*			S*			S			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	70600		100	92700		100	168000		100	168000		100	1.9	J	10

*Supplemental samples
collected during packer testing

B1-13

1R301123

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW201C			MW201C			MW202B			MW203B			MW203B		
Sample ID	1786H-MW201C-A2			1786H-MW201C-A3			1786H-MW202B-B1			1786H-MW203B-B1			1786H-MW203B-B2		
Sample date	5/16/94			5/16/94			7/13/94			5/13/94			5/13/94		
Sample interval top (ft, BGS)	205			205			71			20.9			20.9		
Sample interval bottom (ft, BGS)	252			252			128			61			61		
QA type	S*			S			S			S*			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	2.5	J	10	3.6	J	10	4.3	J	10	8	J	10	3.9	J	10

*Supplemental samples
collected during packer testing

B1-14

AR301124

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW203B			MW204A			MW204B			MW205A			MW205A		
Sample ID	1786H-MW203B-B3			1786H-MW204A-B1			1786H-MW204B-B2			1786H-MW205A-A1			1786H-MW24-A2		
Sample date	5/13/94			7/6/94			7/5/94			7/13/94			7/13/94		
Sample interval top (ft, BGS)	20.9			19			77			9			9		
Sample interval bottom (ft, BGS)	61			55			102			43			43		
QA type	S			S			S			S			DP		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	.	U	10	.	U	10	3.1	J	10	92		50	88.6		50

*Supplemental samples
collected during packer testing

B1-15

1R301125

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW205B			MW206A			MW206B			MW206B			MW207B		
Sample ID	1786H-MW205B-A3			1786H-MW206A-A1			1786H-MW206B-A2			1786H-MW23-A3			1786H-MW207B-B1		
Sample date	7/13/94			7/12/94			7/12/94			7/12/94			5/6/94		
Sample interval top (ft, BGS)	54			33			93			93			100		
Sample interval bottom (ft, BGS)	64			87			267			267			144.5		
QA type	S			S			S			DP			S*		
Total Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Total)	60.9		20	5	J	10	3.3	J	10	3.3	J	10	9.8	J	10

*Supplemental samples
collected during packer testing

B1-16

IR301126

Round 1 Inorganic Results
(Total Arsenic)

Well ID	MW207B			MW207B		
Sample ID	1786H-MW207B-B2			1786H-MW207B-B3		
Sample date	5/6/94			5/6/94		
Sample interval top (ft, BGS)	100			100		
Sample interval bottom (ft, BGS)	144.5			144.5		
QA type	S*			S		
Total Arsenic (ug/L)	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**
Arsenic(Total)	11.7		10	12.1		10

*Supplemental samples
collected during packer testing

B1-17

AR301127

Final (Red)

Appendix B2

Round 1 Organic Results
(VOCs and Aniline)

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW002			MW002			MW013		
Sample ID	1786H-MW2-B3			1786H-MW2-B6			1786H-MW13-A3		
Sample date	6/22/94			6/23/94			6/8/94		
Sample interval top (ft, BGS)	50			21.6			50		
Sample interval bottom (ft, BGS)	90			50			90		
QA type	S			S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10	.	U	10
1,2-Dichloroethene (total)	.	U	10	.	U	10	.	U	10
1,2-Dichloropropane	.	U	10	.	U	10	.	U	10
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	B	10	.	B	10	.	U	10
Benzene	.	U	10	.	U	10	.	U	10
Bromodichloromethane	.	U	10	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10	.	U	10
Chloroform	.	U	10	.	U	10	.	U	10
Chloromethane	.	U	10	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10	.	U	10
Ethyl Benzene	.	U	10	.	U	10	.	U	10
Methylene Chloride	.	U	10	.	U	10	.	U	10
Styrene	.	U	10	.	U	10	.	U	10
Tetrachloroethene	660		10	650		10	15		10
Toluene	.	U	10	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Trichloroethene	33		10	3	J	10	.	U	10
Vinyl Chloride	.	U	10	.	U	10	.	U	10
Xylenes (total)	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	30

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW013			MW013A			MW016		
Sample ID	1786H-MW13-A6			1786H-MW13A-B3			1786H-MW16-B3		
Sample date	6/8/94			6/7/94			5/24/94		
Sample interval top (ft, BGS)	7.6			3.8			7.6		
Sample interval bottom (ft, BGS)	50			60			65		
QA type	S			S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10	.	U	10
1,2-Dichloroethene (total)	.	U	10	.	U	10	330		10
1,2-Dichloropropane	.	U	10	.	U	10	.	U	10
2-Butanone	2	J	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	10	.	U	10	.	B	10
Benzene	.	U	10	.	U	10	3	J	10
Bromodichloromethane	.	U	10	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10	.	U	10
Chloroform	.	U	10	.	U	10	.	U	10
Chloromethane	.	U	10	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10	.	U	10
Ethyl Benzene	.	U	10	.	U	10	.	U	10
Methylene Chloride	.	U	10	.	U	10	.	U	10
Styrene	.	U	10	.	U	10	.	U	10
Tetrachloroethene	15		10	2	J	10	19	J	10
Toluene	.	U	10	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Trichloroethene	.	U	10	.	U	10	27		10
Vinyl Chloride	.	U	10	.	U	10	.	U	10
Xylenes (total)	.	U	10	.	U	10	.	U	10
Aniline	.	U	30	.	U	10	4600		30

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW103B			MW103B			MW105B		
Sample ID	1786H-MW103B-B3			1786H-MW21-B4			1786H-MW105B-B3		
Sample date	6/16/94			6/16/94			5/26/94		
Sample interval top (ft, BGS)	61			61			126		
Sample interval bottom (ft, BGS)	110			110			156.9		
QA type	S			DP			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10	.	U	10
1,2-Dichloroethene (total)	.	U	10	.	U	10	.	U	10
1,2-Dichloropropane	.	U	10	.	U	10	.	U	10
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	B	10	.	B	10	.	U	10
Benzene	.	U	10	.	U	10	.	U	10
Bromodichloromethane	.	U	10	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10	.	U	10
Chloroform	.	U	10	.	U	10	.	U	10
Chloromethane	.	U	10	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10	.	U	10
Ethyl Benzene	.	U	10	.	U	10	.	U	10
Methylene Chloride	.	U	10	.	U	10	.	U	10
Styrene	.	U	10	.	U	10	.	U	10
Tetrachloroethene	.	U	10	.	U	10	.	U	10
Toluene	.	U	10	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Trichloroethene	.	U	10	.	U	10	.	U	10
Vinyl Chloride	.	U	10	.	U	10	.	U	10
Xylenes (total)	.	U	10	.	U	10	.	U	10
Aniline	18		10	19		10	.	U	10

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW107B			MW107C			MW108B		
Sample ID	1786H-MW107B-A3			1786H-MW107C-A3			1786H-MW108B-B3		
Sample date	6/17/94			6/13/94			6/9/94		
Sample interval top (ft, BGS)	61			335			89		
Sample interval bottom (ft, BGS)	100			383.5			130		
QA type	S			S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10	.	U	10
1,2-Dichloroethene (total)	5	J	10	.	U	10	8	J	10
1,2-Dichloropropane	.	U	10	.	U	10	.	U	10
2-Butanone	.	U	10	.	U	10	8	J	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	B	10	4	JB	10	12		10
Benzene	12		10	.	U	10	11		10
Bromodichloromethane	.	U	10	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10	.	U	10
Chloroform	2	J	10	.	U	10	2	J	10
Chloromethane	.	U	10	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10	.	U	10
Ethyl Benzene	3	J	10	.	U	10	2	J	10
Methylene Chloride	.	U	10	.	U	10	.	U	10
Styrene	.	U	10	.	U	10	.	U	10
Tetrachloroethene	33		10	.	U	10	56		10
Toluene	1	J	10	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Trichloroethene	4	J	10	.	U	10	8	J	10
Vinyl Chloride	.	U	10	.	U	10	.	U	10
Xylenes (total)	3	J	10	.	U	10	7	J	10
Aniline	5800		30	1600		30	40000		30

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW109B			MW110C			MW113A		
Sample ID	1786H-MW109B-A3			1786H-MW110C-A3			1786H-MW113A-B3		
Sample date	6/13/94			6/22/94			6/1/94		
Sample interval top (ft, BGS)	58			210			14		
Sample interval bottom (ft, BGS)	100			225.78			50.9		
QA type	S			S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10	.	U	10
1,2-Dichloroethene (total)	.	U	10	4	J	10	.	U	10
1,2-Dichloropropane	.	U	10	.	U	10	.	U	10
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	9	JB	10	.	B	10	.	B	10
Benzene	8	J	10	5	J	10	.	U	10
Bromodichloromethane	.	U	10	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10	.	U	10
Chloroform	.	U	10	.	U	10	.	U	10
Chloromethane	.	U	10	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10	.	U	10
Ethyl Benzene	1	J	10	4	J	10	.	U	10
Methylene Chloride	.	U	10	.	U	10	.	U	10
Styrene	.	U	10	.	U	10	.	U	10
Tetrachloroethene	3	J	10	11		10	19		10
Toluene	.	U	10	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10	.	U	10
Trichloroethene	.	U	10	1	J	10	.	U	10
Vinyl Chloride	.	U	10	.	U	10	.	U	10
Xylenes (total)	1	J	10	5	J	10	.	U	10
Aniline	13000		30	4700		30	.	U	10

Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW115B			MW117C			MW201C		
Sample ID	1786H-MW115B-A3			1786H-MW117C-A3			1786H-MW201C-A3		
Sample date	5/25/94			6/1/94			5/16/94		
Sample interval top (ft, BGS)	85			153.7			205		
Sample interval bottom (ft, BGS)	333.9			190			252		
QA type	S			S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	50	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	50	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	50	.	U	10	.	U	10
1,1-Dichloroethane	.	U	50	.	U	10	.	U	10
1,1-Dichloroethene	.	U	50	3	J	10	.	U	10
1,2-Dichloroethane	.	U	50	3	J	10	.	U	10
1,2-Dichloroethene (total)	120	J	50	640		10	.	U	10
1,2-Dichloropropane	.	U	50	.	U	10	.	U	10
2-Butanone	.	U	50	.	U	10	.	U	10
2-Hexanone	.	U	50	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	50	.	U	10	.	U	10
Acetone	.	U	50	11	J	10	.	B	10
Benzene	7	J	50	4	J	10	.	U	10
Bromodichloromethane	.	U	50	.	U	10	.	U	10
Bromoform	.	U	50	.	U	10	.	U	10
Bromomethane	.	U	50	.	U	10	.	U	10
Carbon Disulfide	.	U	50	.	U	10	.	U	10
Carbon Tetrachloride	.	U	50	.	U	10	.	U	10
Chlorobenzene	.	U	50	.	U	10	.	U	10
Chloroethane	.	U	50	.	U	10	.	U	10
Chloroform	.	U	50	.	U	10	.	U	10
Chloromethane	.	U	50	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	50	.	U	10	.	U	10
Dibromochloromethane	.	U	50	.	U	10	.	U	10
Ethyl Benzene	5	J	50	.	U	10	.	U	10
Methylene Chloride	.	U	50	.	U	10	.	U	10
Styrene	.	U	50	.	U	10	.	U	10
Tetrachloroethene	4400		50	14	J	10	.	U	10
Toluene	.	U	50	12		10	.	U	10
trans-1,3-Dichloropropene	.	U	50	.	U	10	.	U	10
Trichloroethene	2700		50	10	J	10	.	U	10
Vinyl Chloride	.	U	50	.	U	10	.	U	10
Xylenes (total)	7	J	50	.	U	10	.	U	10
Aniline	15000		30	19000		30	.	U	10

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Round 1 Organic Results
(VOCs and Aniline)

Well ID	MW203B			MW207B		
Sample ID	1786H-MW203B-B3			1786H-MW207B-B3		
Sample date	5/13/94			5/6/94		
Sample interval top (ft, BGS)	20.9			100		
Sample interval bottom (ft, BGS)	61			144.5		
QA type	S			S		
Organics (ug/L)	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	10	.	U	10
1,1,2,2-Tetrachloroethane	.	U	10	.	U	10
1,1,2-Trichloroethane	.	U	10	.	U	10
1,1-Dichloroethane	.	U	10	.	U	10
1,1-Dichloroethene	.	U	10	.	U	10
1,2-Dichloroethane	.	U	10	.	U	10
1,2-Dichloroethene (total)	.	U	10	.	U	10
1,2-Dichloropropane	.	U	10	.	U	10
2-Butanone	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10
Acetone	.	U	10	.	U	10
Benzene	.	U	10	.	U	10
Bromodichloromethane	.	U	10	.	U	10
Bromoform	.	U	10	.	U	10
Bromomethane	.	U	10	.	U	10
Carbon Disulfide	.	U	10	.	U	10
Carbon Tetrachloride	.	U	10	.	U	10
Chlorobenzene	.	U	10	.	U	10
Chloroethane	.	U	10	.	U	10
Chloroform	.	U	10	.	U	10
Chloromethane	.	U	10	.	U	10
cis-1,3-Dichloropropene	.	U	10	.	U	10
Dibromochloromethane	.	U	10	.	U	10
Ethyl Benzene	.	U	10	.	U	10
Methylene Chloride	.	U	10	3	J	10
Styrene	.	U	10	.	U	10
Tetrachloroethene	.	U	10	.	U	10
Toluene	.	U	10	.	U	10
trans-1,3-Dichloropropene	.	U	10	.	U	10
Trichloroethene	.	U	10	.	U	10
Vinyl Chloride	.	U	10	.	U	10
Xylenes (total)	.	U	10	.	U	10
Aniline	.	U	10	.	U	10

ORIGINAL (Red)

Appendix B3

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

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Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW002			MW004			MW006			MW006A			MW007		
Sample ID	1786H-MW002-A01			1786H-MW004-B2			1786H-MW006-B3			1786H-MW006A-A01			1786H-MW007-B1		
Sample date	3/2/95			3/6/95			3/3/95			3/3/95			3/8/95		
Sample interval top (ft, BGS)	21.6			14.2			13			17			16.5		
Sample interval bottom (ft, BGS)	98.55			442.1			27.6			73.1			48.4		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	372		10	45400		100	51900		100	10600		10	34700		100
Arsenic(Total)	408		10	88800		100	63200		100	11400		10	39000		100

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AR301137

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW013			MW013A			MW015A			MW015B			MW016		
Sample ID	1786H-MW013-A02			1786H-MW013A-B2			1786H-MW015A-A04			1786H-MW015B-A01			1786H-MW016-A02		
Sample date	1/31/95			2/21/95			2/1/95			2/1/95			1/30/95		
Sample interval top (ft, BGS)	48			3.8			14			55			13		
Sample interval bottom (ft, BGS)	92			58.43			28			100			65		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	135		10	906		10	3980		10	4210		10	7780		10
Arsenic(Total)	158		10	898		10	5230		10	4330		10	7830		10

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Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW016A			MW016B			MW100A			MW100A1			MW100B		
Sample ID	1786H-MW16A-B3			1786H-MW16B-B1			1786H-MW100A-B1			1786H-MW100A1-A02			1786H-MW100B-B2		
Sample date	2/16/95			2/17/95			3/2/95			2/3/95			3/2/95		
Sample interval top (ft, BGS)	11.2			41.7			11			30			62.3		
Sample interval bottom (ft, BGS)	69.8			115			24			40			121.5		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	2190		10	30800		100	155000		250	208000		250	134000		250
Arsenic(Total)	2470		10	29900		100	164000		250	205000		250	145000		250

AR301139

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW101A			MW102A			MW103A			MW103B			MW104A		
Sample ID	1786H-MW101A-B3			1786H-MW102A-B2			1786H-MW103A-B2			1786H-MW103B-A01			1786H-MW104A-B3		
Sample date	3/2/95			3/2/95			2/17/95			2/3/95			2/28/95		
Sample interval top (ft, BGS)	11			11			18			67			20		
Sample interval bottom (ft, BGS)	21			52.4			30			110			31.5		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	38600		100	1650		10	232		10	682		10	299		10
Arsenic(Total)	40600		100	1800		10	261		10	1530		10	394		10

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1R301140

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW105A			MW105B			MW106A			MW106B			MW107A		
Sample ID	1786H-MW105A-B2			1786H-MW105B-A01			1786H-MW106A-B3			1786H-MW106B-B1			1786H-MW107A-B3		
Sample date	2/15/95			1/31/95			2/21/95			2/22/95			3/2/95		
Sample interval top (ft, BGS)	27.9			114.5			22.75			67			36		
Sample interval bottom (ft, BGS)	48			157			44			110.6			47.3		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	7.9	J	10	514		10	433		10	1290		10	35000		100
Arsenic(Total)	20.8		10	527		10	490		10	1360		10	35500		100

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1R301141

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW107B			MW107C			MW108A			MW108B			MW109A		
Sample ID	1786H-MW107B-B1			1786H-MW107C-A02			1786H-MW108A-A01			1786H-MW108B-A02			1786H-MW109A-B2		
Sample date	3/3/95			2/27/95			2/2/95			2/2/95			3/3/95		
Sample interval top (ft, BGS)	60.8			343			8			85.5			8		
Sample interval bottom (ft, BGS)	100.75			385			21			128.5			18		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	74000		100	45400		100	76400		100	190000		250	105000		100
Arsenic(Total)	75000		100	45900		100	82400		100	199000		250	108000		250

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AR301142

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW109B			MW110A			MW110B			MW110C			MW111A		
Sample ID	1786H-MW109B-B1			1786H-MW110A-B1			1786H-MW110B-B1			1786H-MW110C-A01			1786H-MW111A-B1		
Sample date	3/6/95			2/23/95			2/27/95			2/28/95			2/24/95		
Sample interval top (ft, BGS)	58			27			61			215			14.65		
Sample interval bottom (ft, BGS)	95.28			45			98			258			54.83		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	111000		250	995		10	654		10	80400		100	709		10
Arsenic(Total)	118000		250	1700		10	723		10	75400		100	813		10

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AR301143

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW112A			MW113A			MW113B			MW114A			MW115B		
Sample ID	1786H-MW112A-B2			1786H-MW113A-A03			1786H-MW113B-A01			1786H-MW114A-B3			1786H-MW115B-A01		
Sample date	2/27/95			3/2/95			2/27/95			2/27/95			2/13/95		
Sample interval top (ft, BGS)	20			14			208			17.3			84		
Sample interval bottom (ft, BGS)	51			50.9			252			39			126		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	670		10	1190		10	92700		100	193		10	91100		100
Arsenic(Total)	1100		10	1220		10	98000		100	725		10	91200		100

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Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW116A			MW117A			MW117B			MW117C			MW118A		
Sample ID	1786H-MW116A-A01			1786H-MW117A-A02			1786H-MW117B-B1			1786H-MW117C-A02			1786H-MW118A-B1		
Sample date	2/14/95			2/14/95			3/7/95			3/7/95			2/28/95		
Sample interval top (ft, BGS)	7			14			62			153.7			7		
Sample interval bottom (ft, BGS)	17			28			112			193.9			19		
QA type	S			S			S			S			S		
Arsenic (ug/L)	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**	**Value**	**VQ**	**SQL**
Arsenic(Dissolved)	16300		10	174000		250	53300		100	139000		250	59100		100
Arsenic(Total)	16400		10	177000		250	58000		100	162000		250	52600		100

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW118A			MW201A			MW201B			MW201C			MW202B		
Sample ID	1786H-MW403A-B2			1786H-MW201A-B3			1786H-MW201B-B1			1786H-MW201C-A01			1786H-MW202B-B4		
Sample date	2/28/95			1/25/95			1/26/95			1/26/95			2/14/95		
Sample interval top (ft, BGS)	7			19.6			59.8			210			71.4		
Sample interval bottom (ft, BGS)	19			37			88			252			128.3		
QA type	DP			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	56000		100	4.9	J	10	12.2		10	5	J	10	14.3		10
Arsenic(Total)	53300		100	12.9		10	53.4		10	5.2	J	10	17.7		10

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AR301146

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW203B			MW204A			MW204A			MW204B			MW205A		
Sample ID	1786H-MW203B-B1			1786H-MW204A-B2			1786H-MW401A-B3			1786H-MW204B-A01			1786H-MW205A-B1		
Sample date	2/21/95			2/14/95			2/14/95			1/30/95			1/31/95		
Sample interval top (ft, BGS)	20.9			21.4			21.4			80			9.3		
Sample interval bottom (ft, BGS)	62.4			56			56			103			42.9		
QA type	S			S			DP			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	4.6	J	10	6.4	J	10	5.4	J	10	3.9	J	10	54.1		10
Arsenic(Total)	34.9		10	12.4		10	10.5		10	8.1	J	10	56.5		10

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IR301147

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW205B			MW206A			MW206B			MW207A			MW207B		
Sample ID	1786H-MW205B-B2			1786H-MW206A-B2			1786H-MW206B-A01			1786H-MW207A-B1			1786H-MW207B-A01		
Sample date	1/31/95			1/30/95			2/22/95			1/30/95			1/27/95		
Sample interval top (ft, BGS)	55			33			224.66			10.3			101.5		
Sample interval bottom (ft, BGS)	64.5			87			270			53.7			145		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	158		10	.	U	10	14.2		10	.	U	10	12.8		10
Arsenic(Total)	175		10	2.7	J	10	10.7		10	3.1	J	10	15.2		10

AR301148

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW207C			MW301C			MW302B			MW303C			MW304A		
Sample ID	1786H-MW207C-B2			1786H-MW301C-B1			1786H-MW302B-B4			1786H-MW303C-B1			1786H-MW304A-B2		
Sample date	1/26/95			3/2/95			2/28/95			2/16/95			2/22/95		
Sample interval top (ft, BGS)	153			210			140			210			35		
Sample interval bottom (ft, BGS)	182			250			180			250			55		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	4.4	J	10	55600		100	169000		250	140000		250	28000		100
Arsenic(Total)	43.5		10	60300		100	167000		250	140000		250	27600		100

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1R301149

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW305C			MW306A			MW307A			MW308A			MW309A		
Sample ID	1786H-MW305C-B4			1786H-MW306A-B1			1786H-MW307A-B1			1786H-MW308A-B1			1786H-MW309A-B2		
Sample date	2/27/95			2/3/95			2/14/95			2/2/95			2/13/95		
Sample interval top (ft, BGS)	240			38			35			25			70		
Sample interval bottom (ft, BGS)	281			58			65			45			90		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	42600		100	28.3		10	33.3		10	3	J	10	1710		10
Arsenic(Total)	60300		100	37.7		10	36.2		10	3.8	J	10	1840		10

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW310A			MW311A			MW312A			MW313A			MW314A		
Sample ID	1786H-MW310A-B2			1786H-MW311A-B3			1786H-MW312A-B3			1786H-MW313A-A02			1786H-MW314A-B1		
Sample date	2/3/95			1/31/95			1/30/95			1/27/95			1/27/95		
Sample interval top (ft, BGS)	35			25			65			35.5			55		
Sample interval bottom (ft, BGS)	55			45			85			56.5			75		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	2830		10	.	U	10	4	J	10	40.6		10	12.7		10
Arsenic(Total)	5220		10	6.1	J	10	16.9		10	45.3		10	29		10

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Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	MW315A			MW316A			Peiffer			RW001			RW003		
Sample ID	1786H-MW315A-B4			1786H-MW316A-B1			1786H-PEIF-B1			1786H-RW01-B1			1786H-RW03-B1		
Sample date	1/30/95			2/13/95			2/15/95			1/25/95			2/1/95		
Sample interval top (ft, BGS)	63			60			??			??			17		
Sample interval bottom (ft, BGS)	83			80			50			100			187		
QA type	S			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	4.2	J	10	27.6		10	189		10	.	U	10	59.1		10
Arsenic(Total)	12.7		10	65.6		10	197		10	2.3	J	10	76.2		10

1R301152

Round 2 Inorganic Results
(Total and Dissolved Arsenic)

Well ID	RW003			RW004			RW007A			RW007B			RW008		
Sample ID	1786H-MW400-B2			1786H-RW004-A01			1786H-RW07A-B2			1786H-RW07B-B4			1786H-RW08-B2		
Sample date	2/1/95			3/7/95			2/2/95			1/31/95			1/25/95		
Sample interval top (ft, BGS)	17			??			??			??			??		
Sample interval bottom (ft, BGS)	187			??			470			325			208		
QA type	DP			S			S			S			S		
Arsenic (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Arsenic(Dissolved)	57.3		10	12.8		10	22		10	7.5	J	10	.	U	10
Arsenic(Total)	78.3		10	13.5		10	100		10	15.2		10	3.3	J	10

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AR301153

ORIGINAL

Appendix B4

Round 2 Organic Results

(VOCs)

Round 2 Organic Results
(VOCs)

Well ID	MW002			MW004			MW006		
Sample ID	1786H-MW002-A01			1786H-MW004-B2			1786H-MW006-B3		
Sample date	3/2/95			3/6/95			3/3/95		
Sample interval top (ft, BGS)	21.6			14.2			13		
Sample interval bottom (ft, BGS)	98.55			442.1			27.6		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	9		5	.	U	5
1,2-Dichloroethane	.	U	5	2	J	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	2800		120	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	11	J	50
Benzene	.	U	5	8		5	2	J	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	2	J	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	1	J	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	5	J	5	12		5
Methylene Chloride	.	U	5	1	J	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	62		5	3600		120	16		5
Toluene	.	U	5	2	J	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	7		5	560		120	.	U	5
Vinyl Chloride	.	U	5	8		5	.	U	5
Xylenes (total)	.	U	5	3	J	5	12		5

AR301155

Round 2 Organic Results
(VOCs)

Well ID	MW006A			MW007			MW013		
Sample ID	1786H-MW006A-A01			1786H-MW007-B1			1786H-MW013-A02		
Sample date	3/3/95			3/8/95			1/31/95		
Sample interval top (ft, BGS)	17			16.5			48		
Sample interval bottom (ft, BGS)	73.1			48.4			92		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	17		5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	7800		200	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	19		5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	5	J	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	63		5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	32		5	2400		200	.	U	5
Toluene	.	U	5	14		5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	4	J	5	290		200	.	U	5
Vinyl Chloride	.	U	5	150		5	.	U	5
Xylenes (total)	.	U	5	120		5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW013A			MW015A			MW015B		
Sample ID	1786H-MW013A-B2			1786H-MW015A-A04			1786H-MW015B-A01		
Sample date	2/21/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	3.8			14			55		
Sample interval bottom (ft, BGS)	58.43			28			100		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	45		5	320		10
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	13		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	3	J	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	6		5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	4	J	5	17		5	20		5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	1	J	5	8		5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW016			MW016A			MW016B		
Sample ID	1786H-MW016-A02			1786H-MW16A-B3			1786H-MW16B-B1		
Sample date	1/30/95			2/16/95			2/17/95		
Sample interval top (ft, BGS)	13			11.2			41.7		
Sample interval bottom (ft, BGS)	65			69.8			115		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	6		5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	290		5	190		5	2000		62.5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	1	J	5	.	U	5	32		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	10		5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	15		5	10		5	2200		62.5
Toluene	.	U	5	.	U	5	11		5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	9		5	10		5	640		62.5
Vinyl Chloride	.	U	5	.	U	5	7		5
Xylenes (total)	.	U	5	.	U	5	27		5

Round 2 Organic Results
(VOCs)

Well ID	MW100A			MW100A1			MW100B		
Sample ID	1786H-MW100A-B1			1786H-MW100A1-A02			1786H-MW100B-B2		
Sample date	3/2/95			2/3/95			3/2/95		
Sample interval top (ft, BGS)	11			30			62.3		
Sample interval bottom (ft, BGS)	24			40			121.5		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	3	J	5	2	J	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	43	J	50	.	U	50
Benzene	4	J	5	30		5	3	J	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	2	J	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	1	J	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	22		5	40		5	1	J	5
Toluene	.	U	5	1	J	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	3	J	5	10		5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	9		5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW101A			MW102A			MW103A		
Sample ID	1786H-MW101A-B3			1786H-MW102A-B2			1786H-MW103A-B2		
Sample date	3/2/95			3/2/95			2/17/95		
Sample interval top (ft, BGS)	11			11			18		
Sample interval bottom (ft, BGS)	21			52.4			30		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	1	J	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	18		5	3	J	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	2	J	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW103B			MW104A			MW105A		
Sample ID	1786H-MW103B-A01			1786H-MW104A-B3			1786H-MW105A-B2		
Sample date	2/3/95			2/28/95			2/15/95		
Sample interval top (ft, BGS)	67			20			27.9		
Sample interval bottom (ft, BGS)	110			31.5			48		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	9		5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	8		5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	2	J	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

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Round 2 Organic Results
(VOCs)

Well ID	MW105B			MW106A			MW106B		
Sample ID	1786H-MW105B-A01			1786H-MW106A-B3			1786H-MW106B-B1		
Sample date	1/31/95			2/21/95			2/22/95		
Sample interval top (ft, BGS)	114.5			22.75			67		
Sample interval bottom (ft, BGS)	157			44			110.6		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	.	U	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW107A			MW107B			MW107C		
Sample ID	1786H-MW107A-B3			1786H-MW107B-B1			1786H-MW107C-A02		
Sample date	3/2/95			3/3/95			2/27/95		
Sample interval top (ft, BGS)	36			60.8			343		
Sample interval bottom (ft, BGS)	47.3			100.75			385		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	2	J	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	10	J	50	.	U	50	.	U	50
Benzene	1	J	5	14		5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	1	J	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	1	J	5	4	J	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	29		5	22		5	3	J	5
Toluene	.	U	5	2	J	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	2	J	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	4	J	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW108A			MW108B			MW109A		
Sample ID	1786H-MW108A-A01			1786H-MW108B-A02			1786H-MW109A-B2		
Sample date	2/2/95			2/2/95			3/3/95		
Sample interval top (ft, BGS)	8			85.5			8		
Sample interval bottom (ft, BGS)	21			128.5			18		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	5		5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	33	J	50
Benzene	1	J	5	6		5	3	J	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	1	J	5	3	J	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	2	J	5	1	J	5	180		5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	30		5	49		5	78		5
Toluene	.	U	5	.	U	5	3	J	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	1	J	5	6		5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	3	J	5	270		10

Round 2 Organic Results
(VOCs)

Well ID	MW109B			MW110A			MW110B		
Sample ID	1786H-MW109B-B1			1786H-MW110A-B1			1786H-MW110B-B1		
Sample date	3/6/95			2/23/95			2/27/95		
Sample interval top (ft, BGS)	58			27			61		
Sample interval bottom (ft, BGS)	95.28			45			98		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	8		5	.	U	5	.	U	5
1,2-Dichloroethane	2	J	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	2600		120	6		5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	8		5	3	J	5	4	J	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	2	J	5	6		5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	1	J	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	4	J	5	3	J	5	.	U	5
Methylene Chloride	.	U	5	2	J	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	3400		120	5	J	5	.	U	5
Toluene	2	J	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	530		120	10		5	.	U	5
Vinyl Chloride	6		5	.	U	5	.	U	5
Xylenes (total)	3	J	5	3	J	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW110C			MW111A			MW112A		
Sample ID	1786H-MW110C-A01			1786H-MW111A-B1			1786H-MW112A-B2		
Sample date	2/28/95			2/24/95			2/27/95		
Sample interval top (ft, BGS)	215			14.65			20		
Sample interval bottom (ft, BGS)	258			54.83			51		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	1	J	5
1,2-Dichloroethene (total)	5		5	3	J	5	10		5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	5		5	.	U	5	8		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	8		5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	6		5	.	U	5	19		5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	13		5	2	J	5	.	U	5
Toluene	.	U	5	.	U	5	3	J	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	1	J	5	3	J	5	5	J	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	6		5	.	U	5	21		5

Round 2 Organic Results
(VOCs)

Well ID	MW113A			MW113B			MW114A		
Sample ID	1786H-MW113A-A03			1786H-MW113B-A01			1786H-MW114A-B3		
Sample date	3/2/95			2/27/95			2/27/95		
Sample interval top (ft, BGS)	14			208			17.3		
Sample interval bottom (ft, BGS)	50.9			252			39		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	100		5	1	J	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	63		50	.	U	50
Benzene	.	U	5	17		5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	4	J	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	7		5	2600		100	1	J	5
Toluene	.	U	5	2	J	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	62		5	3	J	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	8		5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW115B			MW116A			MW117A		
Sample ID	1786H-MW115B-A01			1786H-MW116A-A01			1786H-MW117A-A02		
Sample date	2/13/95			2/14/95			2/14/95		
Sample interval top (ft, BGS)	84			7			14		
Sample interval bottom (ft, BGS)	126			17			28		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	3	J	5	29		5	26		5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	770		500	8000		500	7700		500
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	7		5	8		5	6		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	2	J	5	2	J	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	1	J	5	4	J	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	7		5	18		5	14		5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	13000		500	860		500	3500		500
Toluene	4	J	5	7		5	5	J	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	4200		500	2300		500	890		500
Vinyl Chloride	.	U	5	1	J	5	.	U	5
Xylenes (total)	15		5	21		5	33		5

Round 2 Organic Results
(VOCs)

Well ID	MW117B			MW117C			MW118A		
Sample ID	1786H-MW117B-B1			1786H-MW117C-A02			1786H-MW118A-B1		
Sample date	3/7/95			3/7/95			2/28/95		
Sample interval top (ft, BGS)	62			153.7			7		
Sample interval bottom (ft, BGS)	112			193.9			19		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	2	J	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	20		5	.	U	5	11		5
1,2-Dichloroethane	2	J	5	2	J	5	.	U	5
1,2-Dichloroethene (total)	4900		200	490		25	3000		200
1,2-Dichloropropane	1	J	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	15	J	50	20	J	50	.	U	50
Benzene	7		5	3	J	5	34		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	1	J	5	.	U	5	2	J	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	2	J	5	.	U	5	1	J	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	9		5	.	U	5	12		5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	4600		200	54		5	6600		200
Toluene	5	J	5	2	J	5	8		5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	2700		200	19		5	1500		200
Vinyl Chloride	.	U	5	.	U	5	9		5
Xylenes (total)	13		5	.	U	5	12		5

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Round 2 Organic Results
(VOCs)

Well ID	MW118A			MW201A			MW201B		
Sample ID	1786H-MW403A-B2			1786H-MW201A-B3			1786H-MW201B-B1		
Sample date	2/28/95			1/25/95			1/26/95		
Sample interval top (ft, BGS)	7			19.6			59.8		
Sample interval bottom (ft, BGS)	19			37			88		
QA type	DP			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	10		5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	2900		250	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	35		5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	2	J	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	1	J	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	12		5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	5900		250	1	J	5	.	U	5
Toluene	9		5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	1300		250	.	U	5	.	U	5
Vinyl Chloride	8		5	.	U	5	.	U	5
Xylenes (total)	12		5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW201C			MW202B			MW203B		
Sample ID	1786H-MW201C-A01			1786H-MW202B-B4			1786H-MW203B-B1		
Sample date	1/26/95			2/14/95			2/21/95		
Sample interval top (ft, BGS)	210			71.4			20.9		
Sample interval bottom (ft, BGS)	252			128.3			62.4		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	2	J	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	2	J	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW204A			MW204A			MW204B		
Sample ID	1786H-MW204A-B2			1786H-MW401A-B3			1786H-MW204B-A01		
Sample date	2/14/95			2/14/95			1/30/95		
Sample interval top (ft, BGS)	21.4			21.4			80		
Sample interval bottom (ft, BGS)	56			56			103		
QA type	S			DP			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	2	J	5	2	J	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW205A			MW205B			MW206A		
Sample ID	1786H-MW205A-B1			1786H-MW205B-B2			1786H-MW206A-B2		
Sample date	1/31/95			1/31/95			1/30/95		
Sample interval top (ft, BGS)	9.3			55			33		
Sample interval bottom (ft, BGS)	42.9			64.5			87		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	4	J	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW206B			MW207A			MW207B		
Sample ID	1786H-MW206B-A01			1786H-MW207A-B1			1786H-MW207B-A01		
Sample date	2/22/95			1/30/95			1/27/95		
Sample interval top (ft, BGS)	224.66			10.3			101.5		
Sample interval bottom (ft, BGS)	270			53.7			145		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	23		5	.	U	5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	3	J	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW207C			MW301C			MW302B		
Sample ID	1786H-MW207C-B2			1786H-MW301C-B1			1786H-MW302B-B4		
Sample date	1/26/95			3/2/95			2/28/95		
Sample interval top (ft, BGS)	153			210			140		
Sample interval bottom (ft, BGS)	182			250			180		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	25		5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	5	J	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	2	J	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	2	J	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	5		5	40		5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	10		5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	4	J	5

Round 2 Organic Results
(VOCs)

Well ID	MW303C			MW304A			MW305C		
Sample ID	1786H-MW303C-B1			1786H-MW304A-B2			1786H-MW305C-B4		
Sample date	2/16/95			2/22/95			2/27/95		
Sample interval top (ft, BGS)	210			35			240		
Sample interval bottom (ft, BGS)	250			55			281		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	110		5	150		5	2	J	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	36		10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	10	J	50
Benzene	5	J	5	5		5	5		5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	1	J	5	1	J	5	4	J	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	450		12	32		5	5600		250
Toluene	2	J	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	150		5	12		5	12		5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	4	J	5	1	J	5	5		5

Round 2 Organic Results
(VOCs)

Well ID	MW306A			MW307A			MW308A		
Sample ID	1786H-MW306A-B1			1786H-MW307A-B1			1786H-MW308A-B1		
Sample date	2/3/95			2/14/95			2/2/95		
Sample interval top (ft, BGS)	38			35			25		
Sample interval bottom (ft, BGS)	58			65			45		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	2	J	5	17		5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	6		5	7		5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	2	J	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW309A			MW310A			MW311A		
Sample ID	1786H-MW309A-B2			1786H-MW310A-B2			1786H-MW311A-B3		
Sample date	2/13/95			2/3/95			1/31/95		
Sample interval top (ft, BGS)	70			35			25		
Sample interval bottom (ft, BGS)	90			55			45		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	720		25	280		10	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	9		5	1	J	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	6		5	30		5	.	U	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	7		5	15		5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW312A			MW313A			MW314A		
Sample ID	1786H-MW312A-B3			1786H-MW313A-A02			1786H-MW314A-B1		
Sample date	1/30/95			1/27/95			1/27/95		
Sample interval top (ft, BGS)	65			35.5			55		
Sample interval bottom (ft, BGS)	85			56.5			75		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	.	U	5	6		5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	MW315A			MW316A			Peiffer		
Sample ID	1786H-MW315A-B4			1786H-MW316A-B1			1786H-PEIF-B1		
Sample date	1/30/95			2/13/95			2/15/95		
Sample interval top (ft, BGS)	63			60			??		
Sample interval bottom (ft, BGS)	83			80			50		
QA type	S			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	4	J	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	2	J	5	.	U	5	10		5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	RW001			RW003			RW003		
Sample ID	1786H-RW01-B1			1786H-RW03-B1			1786H-MW400-B2		
Sample date	1/25/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	??			17			17		
Sample interval bottom (ft, BGS)	100			187			187		
QA type	S			S			DP		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	2	J	5	2	J	5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethene	.	U	5	.	U	5	.	U	5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	2	J	5	2	J	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	7		5	8		5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	RW004			RW007A			RW007B		
Sample ID	1786H-RW004-A01			1786H-RW07A-B2			1786H-RW07B-B4		
Sample date	3/7/95			2/2/95			1/31/95		
Sample interval top (ft, BGS)	0			??			??		
Sample interval bottom (ft, BGS)	??			470			325		
QA type	??			S			S		
VOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5	1	J	5	90		5
1,1,2,2-Tetrachloroethane	.	U	5	.	U	5	.	U	5
1,1,2-Trichloroethane	.	U	5	.	U	5	.	U	5
1,1-Dichloroethane	.	U	5	.	U	5	23		5
1,1-Dichloroethene	.	U	5	.	U	5	10		5
1,2-Dichloroethane	.	U	5	.	U	5	.	U	5
1,2-Dichloroethene (total)	.	U	5	.	U	5	.	U	5
1,2-Dichloropropane	.	U	5	.	U	5	.	U	5
2-Butanone	.	U	10	.	U	10	.	U	10
2-Hexanone	.	U	10	.	U	10	.	U	10
4-Methyl-2-pentanone	.	U	10	.	U	10	.	U	10
Acetone	.	U	50	.	U	50	.	U	50
Benzene	.	U	5	.	U	5	.	U	5
Bromodichloromethane	.	U	5	.	U	5	.	U	5
Bromoform	.	U	5	.	U	5	.	U	5
Bromomethane	.	U	5	.	U	5	.	U	5
Carbon Disulfide	.	U	5	.	U	5	.	U	5
Carbon Tetrachloride	.	U	5	.	U	5	.	U	5
Chlorobenzene	.	U	5	.	U	5	.	U	5
Chloroethane	.	U	5	.	U	5	.	U	5
Chloroform	.	U	5	.	U	5	.	U	5
Chloromethane	.	U	5	.	U	5	.	U	5
cis-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Dibromochloromethane	.	U	5	.	U	5	.	U	5
Ethyl Benzene	.	U	5	.	U	5	.	U	5
Methylene Chloride	.	U	5	.	U	5	.	U	5
Styrene	.	U	5	.	U	5	.	U	5
Tetrachloroethene	.	U	5	10		5	2	J	5
Toluene	.	U	5	.	U	5	.	U	5
trans-1,3-Dichloropropene	.	U	5	.	U	5	.	U	5
Trichloroethene	.	U	5	.	U	5	.	U	5
Vinyl Chloride	.	U	5	.	U	5	.	U	5
Xylenes (total)	.	U	5	.	U	5	.	U	5

Round 2 Organic Results
(VOCs)

Well ID	RW008		
Sample ID	1786H-RW08-B2		
Sample date	1/25/95		
Sample interval top (ft, BGS)	??		
Sample interval bottom (ft, BGS)	208		
QA type	S		
VOC (ug/L)	Value	VQ	SQL
1,1,1-Trichloroethane	.	U	5
1,1,2,2-Tetrachloroethane	.	U	5
1,1,2-Trichloroethane	.	U	5
1,1-Dichloroethane	.	U	5
1,1-Dichloroethene	.	U	5
1,2-Dichloroethane	.	U	5
1,2-Dichloroethene (total)	.	U	5
1,2-Dichloropropane	.	U	5
2-Butanone	.	U	10
2-Hexanone	.	U	10
4-Methyl-2-pentanone	.	U	10
Acetone	.	U	50
Benzene	.	U	5
Bromodichloromethane	.	U	5
Bromoform	.	U	5
Bromomethane	.	U	5
Carbon Disulfide	.	U	5
Carbon Tetrachloride	.	U	5
Chlorobenzene	.	U	5
Chloroethane	.	U	5
Chloroform	.	U	5
Chloromethane	.	U	5
cis-1,3-Dichloropropene	.	U	5
Dibromochloromethane	.	U	5
Ethyl Benzene	.	U	5
Methylene Chloride	.	U	5
Styrene	.	U	5
Tetrachloroethene	.	U	5
Toluene	.	U	5
trans-1,3-Dichloropropene	.	U	5
Trichloroethene	.	U	5
Vinyl Chloride	.	U	5
Xylenes (total)	.	U	5

1R301183

ORIGINAL (Red)

Appendix B5

Round 2 Organic Results
(SVOCs)

D:\WHITMOYE\SAMP-RPT.W61

Round 2 Organic Results
(SVOCs)

Well ID	MW002			MW004			MW006		
Sample ID	1786H-MW002-A01			1786H-MW004-B2			1786H-MW006-B3		
Sample date	3/2/95			3/6/95			3/3/95		
Sample interval top (ft, BGS)	21.6			14.2			13		
Sample interval bottom (ft, BGS)	98.55			442.1			27.6		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	3	J	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	22		10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	46		10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	12		10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	11		10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	4300		500	64		10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	26		10	3	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	2	J	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	3	J	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW002			MW004			MW006		
Sample ID	1786H-MW002-A01			1786H-MW004-B2			1786H-MW006-B3		
Sample date	3/2/95			3/6/95			3/3/95		
Sample interval top (ft, BGS)	21.6			14.2			13		
Sample interval bottom (ft, BGS)	98.55			442.1			27.6		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	6	J	10	.	U	10
Diethylphthalate	.	U	10	1	J	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	1	J	10	.	U	10
Fluorene	.	U	10	7	J	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	16		10	1	J	10
Naphthalene	.	U	10	19		10	2	J	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	6	J	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	1	J	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW006A			MW007			MW013		
Sample ID	1786H-MW006A-A01			1786H-MW007-B1			1786H-MW013-A02		
Sample date	3/3/95			3/8/95			1/31/95		
Sample interval top (ft, BGS)	17			16.5			48		
Sample interval bottom (ft, BGS)	73.1			48.4			92		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	R	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	R	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	R	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	R	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	R	10	.	U	10
2-Methylnaphthalene	.	U	10	52		10	.	U	10
2-Methylphenol	.	U	10	.	R	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	R	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	UJ	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	R	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	R	10	.	U	10
4-Chloroaniline	.	U	10	85		10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	R	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	R	25	.	U	25
Acenaphthene	.	U	10	67		10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	8	J	10	76000		6000	.	U	10
Anthracene	.	U	10	3	J	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	6	J	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	2	J	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

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Round 2 Organic Results
(SVOCs)

Well ID	MW006A			MW007			MW013		
Sample ID	1786H-MW006A-A01			1786H-MW007-B1			1786H-MW013-A02		
Sample date	3/3/95			3/8/95			1/31/95		
Sample interval top (ft, BGS)	17			16.5			48		
Sample interval bottom (ft, BGS)	73.1			48.4			92		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	37		10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	8	J	10	.	U	10
Fluorene	.	U	10	34		10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	25		10	.	U	10
Naphthalene	.	U	10	160		10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	R	25	.	U	25
Phenanthrene	.	U	10	47		10	.	U	10
Phenol	.	U	10	.	R	10	.	U	10
Pyrene	.	U	10	4	J	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW013A			MW015A			MW015B		
Sample ID	1786H-MW013A-B2			1786H-MW015A-A04			1786H-MW015B-A01		
Sample date	2/21/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	3.8			14			55		
Sample interval bottom (ft, BGS)	58.43			28			100		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	2	J	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	1	J	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	12		10	5300		500
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	2	J	10	.	U	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW013A			MW015A			MW015B		
Sample ID	1786H-MW013A-B2			1786H-MW015A-A04			1786H-MW015B-A01		
Sample date	2/21/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	3.8			14			55		
Sample interval bottom (ft, BGS)	58.43			28			100		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	2	J	10
Naphthalene	.	U	10	.	U	10	7	J	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW016			MW016A			MW016B		
Sample ID	1786H-MW016-A02			1786H-MW16A-B3			1786H-MW16B-B1		
Sample date	1/30/95			2/16/95			2/17/95		
Sample interval top (ft, BGS)	13			11.2			41.7		
Sample interval bottom (ft, BGS)	65			69.8			115		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	R	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	R	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	R	10
2,4-Dimethylphenol	.	U	10	.	U	10	6	J	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	R	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	R	10
2-Methylnaphthalene	.	U	10	.	U	10	94		10
2-Methylphenol	.	U	10	.	U	10	5	J	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	R	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	R	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	R	10
4-Chloroaniline	.	U	10	.	U	10	13		10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	4	J	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	R	25
Acenaphthene	.	U	10	.	U	10	44		10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	530		50	99		10	130000		10000
Anthracene	.	U	10	.	U	10	2	J	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	3	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	9	J	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

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Round 2 Organic Results
(SVOCs)

Well ID	MW016			MW016A			MW016B		
Sample ID	1786H-MW016-A02			1786H-MW16A-B3			1786H-MW16B-B1		
Sample date	1/30/95			2/16/95			2/17/95		
Sample interval top (ft, BGS)	13			11.2			41.7		
Sample interval bottom (ft, BGS)	65			69.8			115		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	20		10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	1	J	10
Fluorene	.	U	10	.	U	10	18		10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	7	J	10
Naphthalene	1	J	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	R	25
Phenanthrene	.	U	10	.	U	10	19		10
Phenol	.	U	10	.	U	10	.	R	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW100A			MW100A1			MW100B		
Sample ID	1786H-MW100A-B1			1786H-MW100A1-A02			1786H-MW100B-B2		
Sample date	3/2/95			2/3/95			3/2/95		
Sample interval top (ft, BGS)	11			30			62.3		
Sample interval bottom (ft, BGS)	24			40			121.5		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	R	10	.	R	10
2,4,6-Trichlorophenol	.	U	10	.	R	10	.	R	10
2,4-Dichlorophenol	.	U	10	.	R	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	R	10	.	R	10
2,4-Dinitrophenol	.	U	25	.	R	25	.	R	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	R	10	.	R	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	R	10	.	R	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	R	10	.	R	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	R	25	.	R	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	R	10	.	R	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	R	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	R	25	.	R	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	310		40	83000		10000	14000		1000
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	2	J	10	.	U	10	4	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW100A			MW100A1			MW100B		
Sample ID	1786H-MW100A-B1			1786H-MW100A1-A02			1786H-MW100B-B2		
Sample date	3/2/95			2/3/95			3/2/95		
Sample interval top (ft. BGS)	11			30			62.3		
Sample interval bottom (ft. BGS)	24			40			121.5		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	1	J	10	2	R	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	R	25	.	R	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	R	10	.	R	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW101A			MW102A			MW103A		
Sample ID	1786H-MW101A-B3			1786H-MW102A-B2			1786H-MW103A-B2		
Sample date	3/2/95			3/2/95			2/17/95		
Sample interval top (ft, BGS)	11			11			18		
Sample interval bottom (ft, BGS)	21			52.4			30		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	4	J	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	2	J	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	3	J	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW101A			MW102A			MW103A		
Sample ID	1786H-MW101A-B3			1786H-MW102A-B2			1786H-MW103A-B2		
Sample date	3/2/95			3/2/95			2/17/95		
Sample interval top (ft, BGS)	11			11			18		
Sample interval bottom (ft, BGS)	21			52.4			30		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW103B			MW104A			MW105A		
Sample ID	1786H-MW103B-A01			1786H-MW104A-B3			1786H-MW105A-B2		
Sample date	2/3/95			2/28/95			2/15/95		
Sample interval top (ft, BGS)	67			20			27.9		
Sample interval bottom (ft, BGS)	110			31.5			48		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	1	J	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	6	J	10	10	J	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW103B			MW104A			MW105A		
Sample ID	1786H-MW103B-A01			1786H-MW104A-B3			1786H-MW105A-B2		
Sample date	2/3/95			2/28/95			2/15/95		
Sample interval top (ft, BGS)	67			20			27.9		
Sample interval bottom (ft, BGS)	110			31.5			48		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	3	J	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW105B			MW106A			MW106B		
Sample ID	1786H-MW105B-A01			1786H-MW106A-B3			1786H-MW106B-B1		
Sample date	1/31/95			2/21/95			2/22/95		
Sample interval top (ft, BGS)	114.5			22.75			67		
Sample interval bottom (ft, BGS)	157			44			110.6		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	82		10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	2	J	10	2	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW105B			MW106A			MW106B		
Sample ID	1786H-MW105B-A01			1786H-MW106A-B3			1786H-MW106B-B1		
Sample date	1/31/95			2/21/95			2/22/95		
Sample interval top (ft, BGS)	114.5			22.75			67		
Sample interval bottom (ft, BGS)	157			44			110.6		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW107A			MW107B			MW107C		
Sample ID	1786H-MW107A-B3			1786H-MW107B-B1			1786H-MW107C-A02		
Sample date	3/2/95			3/3/95			2/27/95		
Sample interval top (ft, BGS)	36			60.8			343		
Sample interval bottom (ft, BGS)	47.3			100.75			385		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	2	J	10	11000		1000	2800		200
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	5	J	10	1	J	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	1	J	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW107A			MW107B			MW107C		
Sample ID	1786H-MW107A-B3			1786H-MW107B-B1			1786H-MW107C-A02		
Sample date	3/2/95			3/3/95			2/27/95		
Sample interval top (ft, BGS)	36			60.8			343		
Sample interval bottom (ft, BGS)	47.3			100.75			385		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	4	J	10	.	U	10
Naphthalene	.	U	10	1	J	10	4	J	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	1	J	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW108A			MW108B			MW109A		
Sample ID	1786H-MW108A-A01			1786H-MW108B-A02			1786H-MW109A-B2		
Sample date	2/2/95			2/2/95			3/3/95		
Sample interval top (ft, BGS)	8			85.5			8		
Sample interval bottom (ft, BGS)	21			128.5			18		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	2	J	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	8	J	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	1	J	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	2	J	10	15000		1300	35		10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	3	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW108A			MW108B			MW109A		
Sample ID	1786H-MW108A-A01			1786H-MW108B-A02			1786H-MW109A-B2		
Sample date	2/2/95			2/2/95			3/3/95		
Sample interval top (ft, BGS)	8			85.5			8		
Sample interval bottom (ft, BGS)	21			128.5			18		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	6	J	10	3	J	10	2	J	10
Naphthalene	.	U	10	1	R	10	15		10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW109B			MW110A			MW110B		
Sample ID	1786H-MW109B-B1			1786H-MW110A-B1			1786H-MW110B-B1		
Sample date	3/6/95			2/23/95			2/27/95		
Sample interval top (ft, BGS)	58			27			61		
Sample interval bottom (ft, BGS)	95.28			45			98		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	1	J	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	1	J	10	11		10	4	J	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	11		10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	13000		1000	11		10	3	J	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	3	J	10	4	J	10	8	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	2	J	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	1	J	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW109B			MW110A			MW110B		
Sample ID	1786H-MW109B-B1			1786H-MW110A-B1			1786H-MW110B-B1		
Sample date	3/6/95			2/23/95			2/27/95		
Sample interval top (ft, BGS)	58			27			61		
Sample interval bottom (ft, BGS)	95.28			45			98		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	6	J	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	3	J	10	.	U	10
Fluorene	.	U	10	8	J	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	1	J	10	.	U	10
Naphthalene	.	U	10	10		10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	4	J	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	2	J	10	.	U	10

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Round 2 Organic Results
(SVOCs)

Well ID	MW110C			MW111A			MW112A		
Sample ID	1786H-MW110C-A01			1786H-MW111A-B1			1786H-MW112A-B2		
Sample date	2/28/95			2/24/95			2/27/95		
Sample interval top (ft, BGS)	215			14.65			20		
Sample interval bottom (ft, BGS)	258			54.83			51		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	1400		100
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	4500		500	.	U	10	250		100
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	2	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW110C			MW111A			MW112A		
Sample ID	1786H-MW110C-A01			1786H-MW111A-B1			1786H-MW112A-B2		
Sample date	2/28/95			2/24/95			2/27/95		
Sample interval top (ft, BGS)	215			14.65			20		
Sample interval bottom (ft, BGS)	258			54.83			51		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	2	J	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	R	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW113A			MW113B			MW114A		
Sample ID	1786H-MW113A-A03			1786H-MW113B-A01			1786H-MW114A-B3		
Sample date	3/2/95			2/27/95			2/27/95		
Sample interval top (ft, BGS)	14			208			17.3		
Sample interval bottom (ft, BGS)	50.9			252			39		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	12		10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	2	J	10	2	J	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	11		10	1	J	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	13000		800	.	U	10
Anthracene	.	U	10	1	J	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	1	J	10	1	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	1	J	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	1	J	10	.	U	10
Di-n-octylphthalate	.	U	10	1	J	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW113A			MW113B			MW114A		
Sample ID	1786H-MW113A-A03			1786H-MW113B-A01			1786H-MW114A-B3		
Sample date	3/2/95			2/27/95			2/27/95		
Sample interval top (ft, BGS)	14			208			17.3		
Sample interval bottom (ft, BGS)	50.9			252			39		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	6	J	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	5	J	10	.	U	10
Fluorene	.	U	10	8	J	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	1	J	10	.	U	10
Naphthalene	.	U	10	33		10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	21		10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	2	J	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW115B			MW116A			MW117A		
Sample ID	1786H-MW115B-A01			1786H-MW116A-A01			1786H-MW117A-A02		
Sample date	2/13/95			2/14/95			2/14/95		
Sample interval top (ft, BGS)	84			7			14		
Sample interval bottom (ft, BGS)	126			17			28		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	1	J	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	R	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	8	J	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	28		10	2	J	10	49		10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	14		10	37		10	66		10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	3	J	10	29		10	22		10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	8	J	10	20		10	38		10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	12000		1000	4700		500	12000		1500
Anthracene	.	U	10	.	U	10	2	J	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	1	J	10	2	J	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW115B			MW116A			MW117A		
Sample ID	1786H-MW115B-A01			1786H-MW116A-A01			1786H-MW117A-A02		
Sample date	2/13/95			2/14/95			2/14/95		
Sample interval top (ft, BGS)	84			7			14		
Sample interval bottom (ft, BGS)	126			17			28		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	4	J	10	10		10	35		10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	1	J	10	1	J	10	3	J	10
Fluorene	3	J	10	9	J	10	18		10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	4	J	10	14		10	40		10
Naphthalene	42		10	20		10	48		10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	5	J	10	6	J	10	24	.	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	2	J	10

Round 2 Organic Results
(SVOCs)

Well ID	MW117B			MW117C			MW118A		
Sample ID	1786H-MW117B-B1			1786H-MW117C-A02			1786H-MW118A-B1		
Sample date	3/7/95			3/7/95			2/28/95		
Sample interval top (ft, BGS)	62			153.7			7		
Sample interval bottom (ft, BGS)	112			193.9			19		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	R	10	.	R	10	.	R	10
2,4,6-Trichlorophenol	.	R	10	.	R	10	.	R	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	R	10
2,4-Dimethylphenol	2	J	10	.	R	10	.	U	10
2,4-Dinitrophenol	.	R	25	.	R	25	.	R	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	R	10	.	R	10	.	R	10
2-Methylnaphthalene	20		10	.	U	10	13		10
2-Methylphenol	.	U	10	.	R	10	.	R	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	R	10	.	R	10	.	R	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	R	25	.	R	25	.	R	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	R	10	.	R	10	.	R	10
4-Chloroaniline	140		10	18		10	86		10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	9	J	10	1	J	10	11	J	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	R	25	.	R	25	.	R	25
Acenaphthene	10	J	10	.	U	10	3	J	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	50000		5000	17000		2000	20000		1500
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	4	J	10	3	J	10	6	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	4	J	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW117B			MW117C			MW118A		
Sample ID	1786H-MW117B-B1			1786H-MW117C-A02			1786H-MW118A-B1		
Sample date	3/7/95			3/7/95			2/28/95		
Sample interval top (ft, BGS)	62			153.7			7		
Sample interval bottom (ft, BGS)	112			193.9			19		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	2	J	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	12		10	6	J	10	18		10
Naphthalene	30		10	.	U	10	29		10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	R	25	.	R	25	.	R	25
Phenanthrene	2	J	10	.	U	10	.	U	10
Phenol	.	R	10	.	R	10	.	R	10
Pyrene	.	U	10	.	U	10	.	U	10

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Round 2 Organic Results
(SVOCs)

Well ID	MW118A			MW201A			MW201B		
Sample ID	1786H-MW403A-B2			1786H-MW201A-B3			1786H-MW201B-B1		
Sample date	2/28/95			1/25/95			1/26/95		
Sample interval top (ft, BGS)	7			19.6			59.8		
Sample interval bottom (ft, BGS)	19			37			88		
QA type	DP			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	R	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	R	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	R	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	R	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	R	10	.	U	10	.	U	10
2-Methylnaphthalene	13		10	.	U	10	.	U	10
2-Methylphenol	.	R	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	R	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	R	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	R	10	.	U	10	.	U	10
4-Chloroaniline	72		10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	11	J	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	R	25	.	U	25	.	U	25
Acenaphthene	3	J	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	20000		1500	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	5	J	10	.	U	10	.	B	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW118A			MW201A			MW201B		
Sample ID	1786H-MW403A-B2			1786H-MW201A-B3			1786H-MW201B-B1		
Sample date	2/28/95			1/25/95			1/26/95		
Sample interval top (ft, BGS)	7			19.6			59.8		
Sample interval bottom (ft, BGS)	19			37			88		
QA type	DP			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	2	J	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	17		10	.	U	10	.	U	10
Naphthalene	28		10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	R	10	.	B	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW201C			MW202B			MW203B		
Sample ID	1786H-MW201C-A01			1786H-MW202B-B4			1786H-MW203B-B1		
Sample date	1/26/95			2/14/95			2/21/95		
Sample interval top (ft, BGS)	210			71.4			20.9		
Sample interval bottom (ft, BGS)	252			128.3			62.4		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	2	J	10	11		10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW201C			MW202B			MW203B		
Sample ID	1786H-MW201C-A01			1786H-MW202B-B4			1786H-MW203B-B1		
Sample date	1/26/95			2/14/95			2/21/95		
Sample interval top (ft, BGS)	210			71.4			20.9		
Sample interval bottom (ft, BGS)	252			128.3			62.4		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW204A			MW204A			MW204B		
Sample ID	1786H-MW204A-B2			1786H-MW401A-B3			1786H-MW204B-A01		
Sample date	2/14/95			2/14/95			1/30/95		
Sample interval top (ft, BGS)	21.4			21.4			80		
Sample interval bottom (ft, BGS)	56			56			103		
QA type	S			DP			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	1	J	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	2	J	10	2	J	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW204A			MW204A			MW204B		
Sample ID	1786H-MW204A-B2			1786H-MW401A-B3			1786H-MW204B-A01		
Sample date	2/14/95			2/14/95			1/30/95		
Sample interval top (ft, BGS)	21.4			21.4			80		
Sample interval bottom (ft, BGS)	56			56			103		
QA type	S			DP			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW205A			MW205B			MW206A		
Sample ID	1786H-MW205A-B1			1786H-MW205B-B2			1786H-MW206A-B2		
Sample date	1/31/95			1/31/95			1/30/95		
Sample interval top (ft, BGS)	9.3			55			33		
Sample interval bottom (ft, BGS)	42.9			64.5			87		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	B	10	.	B	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW205A			MW205B			MW206A		
Sample ID	1786H-MW205A-B1			1786H-MW205B-B2			1786H-MW206A-B2		
Sample date	1/31/95			1/31/95			1/30/95		
Sample interval top (ft, BGS)	9.3			55			33		
Sample interval bottom (ft, BGS)	42.9			64.5			87		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW206B			MW207A			MW207B		
Sample ID	1786H-MW206B-A01			1786H-MW207A-B1			1786H-MW207B-A01		
Sample date	2/22/95			1/30/95			1/27/95		
Sample interval top (ft, BGS)	224.66			10.3			101.5		
Sample interval bottom (ft, BGS)	270			53.7			145		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	B	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW206B			MW207A			MW207B		
Sample ID	1786H-MW206B-A01			1786H-MW207A-B1			1786H-MW207B-A01		
Sample date	2/22/95			1/30/95			1/27/95		
Sample interval top (ft, BGS)	224.66			10.3			101.5		
Sample interval bottom (ft, BGS)	270			53.7			145		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW207C			MW301C			MW302B		
Sample ID	1786H-MW207C-B2			1786H-MW301C-B1			1786H-MW302B-B4		
Sample date	1/26/95			3/2/95			2/28/95		
Sample interval top (ft, BGS)	153			210			140		
Sample interval bottom (ft, BGS)	182			250			180		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	R	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	R	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	R	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	R	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	R	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	R	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	R	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	R	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	R	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	R	10
4-Chloroaniline	.	U	10	.	U	10	15		10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	R	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	R	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	230		20	15000		1500
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	B	10	9	J	10	8	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW207C			MW301C			MW302B		
Sample ID	1786H-MW207C-B2			1786H-MW301C-B1			1786H-MW302B-B4		
Sample date	1/26/95			3/2/95			2/28/95		
Sample interval top (ft, BGS)	153			210			140		
Sample interval bottom (ft, BGS)	182			250			180		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	2	J	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	R	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	R	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW303C			MW304A			MW305C		
Sample ID	1786H-MW303C-B1			1786H-MW304A-B2			1786H-MW305C-B4		
Sample date	2/16/95			2/22/95			2/27/95		
Sample interval top (ft, BGS)	210			35			240		
Sample interval bottom (ft, BGS)	250			55			281		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	2	J	10	3	J	10	2	J	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	6	J	10	5	J	10	2	J	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	2	J	10	2	J	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	16000		2000	5700		1000	4700		400
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	5	J	10	3	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW303C			MW304A			MW305C		
Sample ID	1786H-MW303C-B1			1786H-MW304A-B2			1786H-MW305C-B4		
Sample date	2/16/95			2/22/95			2/27/95		
Sample interval top (ft, BGS)	210			35			240		
Sample interval bottom (ft, BGS)	250			55			281		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	2	J	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	1	J	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	10		10	.	U	10
Naphthalene	12		10	8	J	10	5	J	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	2	J	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW306A			MW307A			MW308A		
Sample ID	1786H-MW306A-B1			1786H-MW307A-B1			1786H-MW308A-B1		
Sample date	2/3/95			2/14/95			2/2/95		
Sample interval top (ft, BGS)	38			35			25		
Sample interval bottom (ft, BGS)	58			65			45		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	32		10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	2	J	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW306A			MW307A			MW308A		
Sample ID	1786H-MW306A-B1			1786H-MW307A-B1			1786H-MW308A-B1		
Sample date	2/3/95			2/14/95			2/2/95		
Sample interval top (ft, BGS)	38			35			25		
Sample interval bottom (ft, BGS)	58			65			45		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	4	J	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW309A			MW310A			MW311A		
Sample ID	1786H-MW309A-B2			1786H-MW310A-B2			1786H-MW311A-B3		
Sample date	2/13/95			2/3/95			1/31/95		
Sample interval top (ft, BGS)	70			35			25		
Sample interval bottom (ft, BGS)	90			55			45		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	2	J	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	4	J	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	11000		1000	390		50	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	3	J	10	.	U	10	.	U	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW309A			MW310A			MW311A		
Sample ID	1786H-MW309A-B2			1786H-MW310A-B2			1786H-MW311A-B3		
Sample date	2/13/95			2/3/95			1/31/95		
Sample interval top (ft, BGS)	70			35			25		
Sample interval bottom (ft, BGS)	90			55			45		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	2	J	10	.	U	10	.	U	10
Naphthalene	8	J	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW312A			MW313A			MW314A		
Sample ID	1786H-MW312A-B3			1786H-MW313A-A02			1786H-MW314A-B1		
Sample date	1/30/95			1/27/95			1/27/95		
Sample interval top (ft, BGS)	65			35.5			55		
Sample interval bottom (ft, BGS)	85			56.5			75		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	U	10	.	B	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	5	J	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW312A			MW313A			MW314A		
Sample ID	1786H-MW312A-B3			1786H-MW313A-A02			1786H-MW314A-B1		
Sample date	1/30/95			1/27/95			1/27/95		
Sample interval top (ft, BGS)	65			35.5			55		
Sample interval bottom (ft, BGS)	85			56.5			75		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	1	J	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW315A			MW316A			Peiffer		
Sample ID	1786H-MW315A-B4			1786H-MW316A-B1			1786H-PEIF-B1		
Sample date	1/30/95			2/13/95			2/15/95		
Sample interval top (ft, BGS)	63			60			??		
Sample interval bottom (ft, BGS)	83			80			50		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	3	J	10	1	J	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	MW315A			MW316A			Peiffer		
Sample ID	1786H-MW315A-B4			1786H-MW316A-B1			1786H-PEIF-B1		
Sample date	1/30/95			2/13/95			2/15/95		
Sample interval top (ft, BGS)	63			60			??		
Sample interval bottom (ft, BGS)	83			80			50		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

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Round 2 Organic Results
(SVOCs)

Well ID	RW001			RW003			RW003		
Sample ID	1786H-RW01-B1			1786H-RW03-B1			1786H-MW400-B2		
Sample date	1/25/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	??			17			17		
Sample interval bottom (ft, BGS)	100			187			187		
QA type	S			S			DP		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	B	10	.	B	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	RW001			RW003			RW003		
Sample ID	1786H-RW01-B1			1786H-RW03-B1			1786H-MW400-B2		
Sample date	1/25/95			2/1/95			2/1/95		
Sample interval top (ft, BGS)	??			17			17		
Sample interval bottom (ft, BGS)	100			187			187		
QA type	S			S			DP		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	RW004			RW007A			RW007B		
Sample ID	1786H-RW004-A01			1786H-RW07A-B2			1786H-RW07B-B4		
Sample date	3/7/95			2/2/95			1/31/95		
Sample interval top (ft, BGS)	??			??			??		
Sample interval bottom (ft, BGS)	??			470			325		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10	.	U	10	.	U	10
1,2-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,3-Dichlorobenzene	.	U	10	.	U	10	.	U	10
1,4-Dichlorobenzene	.	U	10	.	U	10	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10	.	U	10	.	U	10
2,4,5-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4,6-Trichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dichlorophenol	.	U	10	.	U	10	.	U	10
2,4-Dimethylphenol	.	U	10	.	U	10	.	U	10
2,4-Dinitrophenol	.	U	25	.	U	25	.	U	25
2,4-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2,6,-Dinitrotoluene	.	U	10	.	U	10	.	U	10
2-Chloronaphthalene	.	U	10	.	U	10	.	U	10
2-Chlorophenol	.	U	10	.	U	10	.	U	10
2-Methylnaphthalene	.	U	10	.	U	10	.	U	10
2-Methylphenol	.	U	10	.	U	10	.	U	10
2-Nitroaniline	.	U	10	.	U	10	.	U	10
2-Nitrophenol	.	U	10	.	U	10	.	U	10
3,3'-Dichlorobenzidine	.	U	20	.	U	20	.	U	20
3-Nitroaniline	.	U	10	.	U	10	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25	.	U	25	.	U	25
4-Bromophenyl-phenylether	.	U	10	.	U	10	.	U	10
4-Chloro-3-methylphenol	.	U	10	.	U	10	.	U	10
4-Chloroaniline	.	U	10	.	U	10	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10	.	U	10	.	U	10
4-Methylphenol	.	U	10	.	U	10	.	U	10
4-Nitroaniline	.	U	10	.	U	10	.	U	10
4-Nitrophenol	.	U	25	.	U	25	.	U	25
Acenaphthene	.	U	10	.	U	10	.	U	10
Acenaphthylene	.	U	10	.	U	10	.	U	10
Aniline	.	U	10	.	U	10	.	U	10
Anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)anthracene	.	U	10	.	U	10	.	U	10
Benzo(a)pyrene	.	U	10	.	U	10	.	U	10
Benzo(b)fluoranthene	.	U	10	.	U	10	.	U	10
Benzo(g,h,i)perylene	.	U	10	.	U	10	.	U	10
Benzo(k)fluoranthene	.	U	10	.	U	10	.	U	10
bis(2-Chloroethoxy)methane	.	U	10	.	U	10	.	U	10
bis(2-Chloroethyl) ether	.	U	10	.	U	10	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10	.	B	10	.	B	10
Butlbenzylphthalate	.	U	10	.	U	10	.	U	10
Carbazole	.	U	10	.	U	10	.	U	10
Chrysene	.	U	10	.	U	10	.	U	10
Di-n-butylphthalate	.	U	10	.	U	10	.	U	10
Di-n-octylphthalate	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	RW004			RW007A			RW007B		
Sample ID	1786H-RW004-A01			1786H-RW07A-B2			1786H-RW07B-B4		
Sample date	3/7/95			2/2/95			1/31/95		
Sample interval top (ft, BGS)	??			??			??		
Sample interval bottom (ft, BGS)	??			470			325		
QA type	S			S			S		
SVOC (ug/L)	Value	VQ	SQL	Value	VQ	SQL	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10	.	U	10	.	U	10
Dibenzofuran	.	U	10	.	U	10	.	U	10
Diethylphthalate	.	U	10	.	U	10	.	U	10
Dimethylphthalene	.	U	10	.	U	10	.	U	10
Fluoranthene	.	U	10	.	U	10	.	U	10
Fluorene	.	U	10	.	U	10	.	U	10
Hexachlorobenzene	.	U	10	.	U	10	.	U	10
Hexachlorobutadiene	.	U	10	.	U	10	.	U	10
Hexachlorocyclopentadiene	.	U	10	.	U	10	.	U	10
Hexachloroethane	.	U	10	.	U	10	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10	.	U	10	.	U	10
Isophorone	.	U	10	.	U	10	.	U	10
N-Nitroso-di-n-propylamine	.	U	10	.	U	10	.	U	10
N-Nitrosodiphenylamine	.	U	10	.	U	10	.	U	10
Naphthalene	.	U	10	.	U	10	.	U	10
Nitrobenzene	.	U	10	.	U	10	.	U	10
Pentachlorophenol	.	U	25	.	U	25	.	U	25
Phenanthrene	.	U	10	.	U	10	.	U	10
Phenol	.	U	10	.	U	10	.	U	10
Pyrene	.	U	10	.	U	10	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	RW008		
Sample ID	1786H-RW08-B2		
Sample date	1/25/95		
Sample interval top (ft, BGS)	??		
Sample interval bottom (ft, BGS)	208		
QA type	S		
SVOC (ug/L)	Value	VQ	SQL
1,2,4-Trichlorobenzene	.	U	10
1,2-Dichlorobenzene	.	U	10
1,3-Dichlorobenzene	.	U	10
1,4-Dichlorobenzene	.	U	10
2,2'-oxybis(1-Chloropropane)	.	U	10
2,4,5-Trichlorophenol	.	U	10
2,4,6-Trichlorophenol	.	U	10
2,4-Dichlorophenol	.	U	10
2,4-Dimethylphenol	.	U	10
2,4-Dinitrophenol	.	U	25
2,4-Dinitrotoluene	.	U	10
2,6,-Dinitrotoluene	.	U	10
2-Chloronaphthalene	.	U	10
2-Chlorophenol	.	U	10
2-Methylnaphthalene	.	U	10
2-Methylphenol	.	U	10
2-Nitroaniline	.	U	10
2-Nitrophenol	.	U	10
3,3'-Dichlorobenzidine	.	U	20
3-Nitroaniline	.	U	10
4,6-Dinitro-2-methylphenol	.	U	25
4-Bromophenyl-phenylether	.	U	10
4-Chloro-3-methylphenol	.	U	10
4-Chloroaniline	.	U	10
4-Chlorophenyl-phenyl ether	.	U	10
4-Methylphenol	.	U	10
4-Nitroaniline	.	U	10
4-Nitrophenol	.	U	25
Acenaphthene	.	U	10
Acenaphthylene	.	U	10
Aniline	.	U	10
Anthracene	.	U	10
Benzo(a)anthracene	.	U	10
Benzo(a)pyrene	.	U	10
Benzo(b)fluoranthene	.	U	10
Benzo(g,h,i)perylene	.	U	10
Benzo(k)fluoranthene	.	U	10
bis(2-Chloroethoxy)methane	.	U	10
bis(2-Chloroethyl) ether	.	U	10
bis(2-Ethylhexyl)phthalate	.	U	10
Butlbenzylphthalate	.	U	10
Carbazole	.	U	10
Chrysene	.	U	10
Di-n-butylphthalate	.	U	10
Di-n-octylphthalate	.	U	10

Round 2 Organic Results
(SVOCs)

Well ID	RW008		
Sample ID	1786H-RW08-B2		
Sample date	1/25/95		
Sample interval top (ft, BGS)	??		
Sample interval bottom (ft, BGS)	208		
QA type	S		
SVOC (ug/L)	Value	VQ	SQL
Dibenzo(a,h)anthracene	.	U	10
Dibenzofuran	.	U	10
Diethylphthalate	.	U	10
Dimethylphthalene	.	U	10
Fluoranthene	.	U	10
Fluorene	.	U	10
Hexachlorobenzene	.	U	10
Hexachlorobutadiene	.	U	10
Hexachlorocyclopentadiene	.	U	10
Hexachloroethane	.	U	10
Indeno(1,2,3-cd)pyrene	.	U	10
Isophorone	.	U	10
N-Nitroso-di-n-propylamine	.	U	10
N-Nitrosodiphenylamine	.	U	10
Naphthalene	.	U	10
Nitrobenzene	.	U	10
Pentachlorophenol	.	U	25
Phenanthrene	.	U	10
Phenol	.	B	10
Pyrene	.	U	10

ORIGINAL

APPENDIX C

PARCCs REPORT

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PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, AND COMPLETENESS FOR WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG) OPERABLE UNIT SIX

WHITMOYER LABORATORIES

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June 1995

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1.0 INTRODUCTION

Prior to evaluating the data for precision, accuracy, representativeness, comparability, and completeness (PARCC) criteria the laboratory reviewed the data package and the data also was independently reviewed and validated using the Work Plan for Whitmoyer Remedial Design, Operable Unit Six, Whitmoyer Laboratories Private Study Group (WLPSG), and the Region III Modifications to the National Functional Guidelines for Organic and Inorganic Data Review, Multi-Media, Multi-Concentration. Before the laboratory released the chemical analytical results, both the sample and laboratory QC data were carefully reviewed in order to verify sample identity, instrument calibration, detection limits, dilution factors, numerical computations, accuracy of transcriptions, and chemical interpretations. Additionally, the QC data were reduced and spike recoveries were included in control charts, and the resulting data were reviewed to ascertain whether they were within the laboratory defined limits for accuracy and precision. The data was compiled into DQO Level III and IV data packages and any nonconforming data were discussed in the data package cover letter and case narrative.

The Level III and IV data packages were then reviewed and validated by Heartland Environmental Services, Inc., Missouri (Heartland). Data validation is the technical review of a data package using criteria established in the data quality objectives, the quality assurance project plan and guidance documents prepared by the United States Environmental Protection Agency (USEPA) for the validation of organic and inorganic analytical data (USEPA 1990a and 1990b) using Region III modifications as specified by the Work Plan for Operable Unit Six.

Samples that did not meet the acceptance limit criteria were qualified with a flag; single letter abbreviations that indicate a problem with the data. Data qualifiers used by the validators when amending the data include the following.

U — Undetected. The analyte was not detected above the contract required quantitation limit (CRQL).

B — The "B" designator is used to qualify laboratory contaminants. The "B" designator is applied to an environmental sample when the laboratory contaminant is detected in an environmental sample at a concentration less than 5 times the value of the concentration (10 times the value for common laboratory contaminants) detected in any corresponding field QC blank, method blank or preparation blanks.

J — Estimated. The analyte was present, but the reported value may not be accurate or precise. The "J" designator is used to qualify a compound/analyte that was present at a concentration between the CRQL and method detection limit (MDL) or the data "failed" some of the analytical validation criteria but not sufficient to reject the data and when combined with the U designator the quantitation limit is estimated.

L — Estimated. The analyte was present, but the reported value may not be accurate or precise. The "L" designator is used to qualify a compound/analyte that was present at a concentration above the CRQL/CRDL but the data "failed" some of the analytical validation criteria but not sufficient to reject the data and when combined with the U designator the quantitation limit is estimated. The actual value is expected to be higher, or the quantitation limit is expected to be higher.

K — Estimated. The analyte was present, but the reported value may not be accurate or precise. The "K" designator is used to qualify a compound/analyte that was present at a concentration above the CRQL/CRDL which failed some of the validation criteria

but was not sufficient to reject the data. The actual value is expected to be lower than the reported value (biased high).

R Rejected. Data was rejected by the data validator during comparison of the DQO Level III or IV data package with the analytical functional guideline criteria. The "R" designator indicates a significant variance in acceptable laboratory performance. Either re-analysis or re-sampling and analysis would be necessary to determine the presence or absence of the target analyte(s).

Once the data were reviewed and validated according to the guidance presented in the Region III Modifications to the National Functional Guidelines for Organic and Inorganic Data Review, Multi-Media, Multi-Concentration , the data were evaluated by Heartland using the PARCCs criteria included in the Data Quality Objectives (DQOs) of the Work Plan for Whitmoyer Remedial Design, Operable Unit Six, at the Whitmoyer Laboratories Private Study Group (WLPSG). The following sections present a brief description of PARCCs criteria.

Precision. Precision is a measure of the agreement or repeatability of a set of replicate results obtained from duplicate laboratory analyses of samples collected from the same location/depth interval. Precision was calculated from laboratory analytical data and cannot be measured directly. Precision is expressed as the Relative Percent Difference (RPD) between analytical values for two samples divided by the average of their analytical values. Precision is calculated using the expression:

$$RPD = (D1-D2) / (\tfrac{1}{2}(D1+D2)) \times 100$$

D1 and D2 are the reported values for the duplicate sample pair. Precision was evaluated using field duplicate samples and laboratory split samples (for example, MS/MSD samples).

Precision for environmental samples and their duplicates was assessed using a maximum RPD of 20 Percent for the groundwater matrix. Precision for MS/MSD/MD samples was assessed by using the target analyte specific RPD criteria for the spiked compounds and the sample duplicates.

Accuracy. Accuracy is a measure of the agreement between an experimental determination and the true value of the parameter being measured. Accuracy can be calculated from the analytical data and was not measured directly. Accuracy is used to identify the bias in a given measurement system (i.e. laboratory conditions, sample matrix, and sampling conditions). Accuracy is assessed by reviewing the Percent Recovery (%R) between the true value of the spike analyte and the actual analytical value. Accuracy is calculated using the equation:

$$\%R = ((A-B)/C) \times 100$$

A = Measured concentration of the spiked analyte.
B = Measured concentration of the spiked compound in the unspiked sample.
C = True concentration of the spiked analyte.

For the organic analyses, each of the samples was spiked with a surrogate compound; and for inorganic analyses, each chosen matrix spike and matrix duplicate pair was spiked with a known reference material before digestion. Each of these approaches provides a measure of the matrix effects on the analytical accuracy.

Representativeness. Representativeness is a qualitative measure of the degree to which sample data accurately and precisely represent a characteristic environmental condition.

Representativeness is a subjective parameter and is used to evaluate the efficacy of the sampling plan design. Representativeness was evaluated using the field and laboratory QC blank sample results. QC blank samples are equipment rinseate blanks, field blanks, trip blanks, laboratory method blanks for organic analysis and laboratory preparation blanks for inorganic analysis. Positive detection of target analytes in the QC blank samples identify contaminants that possibly were introduced to the associated environmental sample during sample collection, transport or laboratory analysis. Field blanks were not submitted for analysis in this project. Representativeness is also assessed utilizing the extraction and analytical holding times requirements set forth in the methodologies and/or the functional guidelines.

Comparability. Comparability is qualitative measure designed to express the confidence with which one data set may be compared to another. Factors that affect comparability are: sample collection and handling techniques, sample matrix type, and analytical method. Comparability is limited by the other PARCC parameters because only when precision and accuracy are known can data sets be compared with confidence.

Completeness. Completeness is defined as the percentage of measurements that are judged to be valid compared to the total number of measurements made. Valid usable data are values that were not qualified as rejected (R qualifier) during data validation. A goal of 85 percent usable data was established in the Work Plan for Operable Unit Six, Whitmoyer Laboratories Private Study Group (WLPSG). Completeness equals the total number of analytes for each matrix minus the total number of rejected analytes divided by the total number of analytes multiplied by 100.

2.0 PRECISION

The following section describes the evaluation of precision for volatile organic compounds, semivolatile organic compounds, aniline and arsenic. Duplicate samples are evaluated for precision only when contaminants are detected in both the environmental sample and the sample's duplicate. A ND in the RPD column of the precision table indicates that a RPD calculation was not required because one (1) concentration was non-detect and the other concentration was less than the compound/analyte CRQL/CRDL. Environmental samples and their respective duplicates may not exhibit positive results for all compounds found at or near the contract required quantitation limit (CRQL), practical quantitation limit (PQL), or contract required detection limit (CRDL) because of low levels of contamination found at a site. Duplicates with Relative Percent Differences (RPDs) within control limits indicate adequate sampling practices and/or good analytical precision. Duplicates with RPDs outside the control limits may result from inappropriate sampling procedures, matrix interferences, or non-homogeneity of the sample matrix. In addition, poor precision can be attributed to deviation(s) from the analytical methodology or to poor reproducibility of target analyte concentrations at or near the required quantitation or detection limits (CRQLs or CRDLs). The acceptance criteria for evaluating precision of field duplicate analytical results is a RPD of 20 for the groundwater matrix.

Field duplicates were not submitted for validation for all analytical fractions for all matrices. The percentage of duplicate samples collected for this project was equal to one point five percent (1.5%) to three point four (3.4%) for the fractions in this sampling event. It is recommended that five percent (5%) field duplicates are taken during a sampling event. This ensures a representative base for assessing precision.

The following Sections summarize the evaluation of analytical precision for the groundwater samples for the following analytical groups:

- GC/MS volatile organic compounds (GC/MS VOCs);
- semivolatile organic compounds (SVOCs), GC/MS aniline;
- GC aniline; and
- total and dissolved arsenic.

Duplicate precision was assessed using both environmental sample and associated duplicates and matrix spike (MS) and matrix spike duplicates (MSDs)/matrix duplicates (MDs).

Tabulation of the results of assessing duplicate precision and duplicate frequency are presented in Tables 2-1 through 2-4 for the groundwater matrix.

Tabulation of the results assessing precision based on the reproducibility between spike sample/spike duplicate/matrix duplicate sample pairs are presented in Tables 2-5 through 2-10 for the groundwater matrix.

In addition, to assess whether instrument calibration non-compliance resulted in non-compliant duplicate precision, tables were made of calibrations for each sample delivery group (SDG) which exhibited non-compliant calibrations. These are included in Appendix A. To assess potential non-compliance caused by physical and/or chemical interferences and indicated by non-compliant serial dilution results, tables were made of serial dilution results for each matrix when the serial dilutions

TABLE 2 - 1

GC/MS VOLATILE COMPOUNDS
GROUNDWATER SAMPLE AND DUPLICATE PRECISION

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
WLH24	RW03B	WATER	125	1,2-DICHLOROETHENE (TOTAL)	2	2	20%	0%
				1,1,1-TRICHLOROETHANE	2	2	20%	0%
				TETRACHLOROETHENE	7	8	20%	13%
WLH29	118B1	WATER		VINYL CHLORIDE	9	8	20%	12%
				1,1-DICHLOROETHENE	11	10	20%	10%
				1,2-DICHLOROETHENE (TOTAL)	3000	2900	20%	3%
				CHLOROFORM	1	1	20%	0%
				BENZENE	34	35	20%	3%
				TRICHLOROETHENE	1500	1300	20%	14%
				TOLUENE	8	9	20%	12%
				TETRACHLOROETHENE	6600	5900	20%	11%
				CHLOROBENZENE	2	2	20%	0%
				ETHYLBENZENE	12	12	20%	0%
				XYLENE (TOTAL)	12	12	20%	0%
WLH27	04AB2	WATER		TETRACHLOROETHENE	2	2	20%	0%
	TOTAL SAMPLES		125					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
2.4%	15	0	100.0%

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TABLE 2 - 2

GC/MS SEMIVOLATILE COMPOUNDS
GROUNDWATER SAMPLE AND DUPLICATE PRECISION

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
WLH24	RW03B	WATER	97	BIS(2-ETHYLHEXYL)PHTHALATE	1	2	20%	67%
				1,1,1-TRICHLOROETHANE	2	2	20%	0%
				TETRACHLOROETHENE	7	8	20%	13%
WLH29	118B1	WATER		4-METHYLPHENOL	11	11	20%	0%
				ANILINE	20000	20000	20%	0%
				NAPHTHALENE	29	28	20%	4%
				4-CHLOROANILINE	86	72	20%	18%
				2-METHYLNAPHTHALENE	13	13	20%	0%
				ACENAPHTHENE	3	3	20%	0%
				DIBENXOFURAN	2	2	20%	0%
				N-NITROSODIPHENYLAMINE	18	17	20%	6%
				BIS(2-ETHYLHEXYL)PHTHALATE	6	5	20%	18%
WLH27	04AB2	WATER		BIS(2-ETHYLHEXYL)PHTHALATE	2	2	20%	0%
	TOTAL SAMPLES		97					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
3.1%	12	1	92.3%

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TABLE 2 - 3

TOTAL ARSENIC
GROUNDWATER SAMPLE AND DUPLICATE PRECISION

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
WLH24	RW03B	WATER	202	ARSENIC	76.2	78.3	20%	3%
WLH29	118B1	WATER		ARSENIC	52600	53300	20%	1%
WLH27	04AB2	WATER		ARSENIC	12.4	10.5	20%	17%
	TOTAL SAMPLES		202					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
1.5%	3	0	100.0%

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TABLE 2 - 4

DISSOLVED ARSENIC
GROUNDWATER SAMPLE AND DUPLICATE PRECISION

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

SDG	SAMPLE ID	MATRIX	NO. ASSC. SAMPLES	COMPOUND	SAMPLE CONC.	DUP CONC	MAX RPD	RPD
WLH25	FRW03	WATER	87	ARSENIC	59.1	57.3	20%	3%
WLH30	F118A	WATER		ARSENIC	59100	56000	20%	5%
WLH28	D4AB2	WATER		ARSENIC	6.4	5.4	20%	17%
TOTAL SAMPLES			87					

% OF DUPLICATES COLLECTED	RPD IN	RPD OUT	% WITHIN RPD LIMIT
3.4%	3	0	100.0%

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TABLE 2 - 5
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 178B3*		SDG WGW01		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	93	96	3
TRICHLOROETHENE	ug/L	99	99	0
BENZENE	ug/L	95	92	3
TOLUENE	ug/L	93	94	1
CHLOROBENZENE	ug/L	94	95	1

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW01: 178B3,178TB, 203B3, TB002, WH1A3, TB003

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	61%-145%		14
TRICHLOROETHENE	71%-120%		14
BENZENE	76%-127%		11
TOLUENE	76%-125%		13
CHLOROBENZENE	75%-130%		13

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 109A3*		SDG WGW04		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	126	132	5
BENZENE	ug/L	102	107	5
TRICHLOROETHENE	ug/L	102	107	5
TOLUENE	ug/L	107	114	6
CHLOROBENZENE	ug/L	99	104	5

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW04: 109A3, 107C3, TB013

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	61%-145%		14
BENZENE	76%-127%		11
TRICHLOROETHENE	71%-120%		14
TOLUENE	76%-125%		13
CHLOROBENZENE	75%-130%		13

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 103B3*		SDG WGW05		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	139	135	3
BENZENE	ug/L	117	116	1
TRICHLOROETHENE	ug/L	118	113	4
TOLUENE	ug/L	117	113	3
CHLOROBENZENE	ug/L	110	107	3

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW05: 103B3, 21-B4, TB015, 107A3, EB002, MW2B3, MW2B3DL, B6----, B6----DL, A33--, T33--

COMPOUND	ADVISORY LIMITS	RPD
	%R WATER	WATER
1,1-DICHLOROETHENE	61%-145%	14
BENZENE	76%-127%	11
TRICHLOROETHENE	71%-120%	14
TOLUENE	76%-125%	13
CHLOROBENZENE	75%-130%	13

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 13AB3*		SDG WGW03		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	114	116	2
BENZENE	ug/L	96	96	0
TRICHLOROETHENE	ug/L	97	99	2
TOLUENE	ug/L	97	97	0
CHLOROBENZENE	ug/L	100	102	2

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW03: 13AB3, TB009, MW-A3, MW-A6, MWTBB, 108B3, TB012, TB011, EB001, TTTTT

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	61%-145%		14
BENZENE	76%-127%		11
TRICHLOROETHENE	71%-120%		14
TOLUENE	76%-125%		13
CHLOROBENZENE	75%-130%		13

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE C-II1*		SDG WLH16		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	90	106	-16
BENZENE	ug/L	86	102	-17
TRICHLOROETHENE	ug/L	97	120	-21
TOLUENE	ug/L	82	100	-20
CHLOROBENZENE	ug/L	85	109	-25

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH16: C-I-1, C-I-2, C-II1, C-II2, TBLK, TBLK1

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	1%-234%		NR
BENZENE	37%-151%		NR
TRICHLOROETHENE	71%-157%		NR
TOLUENE	47%-150%		NR
CHLOROBENZENE	37%-160%		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE PG186*		SDG WLH15		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	116	130	-11
BENZENE	ug/L	126	112	12
TRICHLOROETHENE	ug/L	129	113	13
TOLUENE	ug/L	122	110	10
CHLOROBENZENE	ug/L	106	116	-9

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH15: IN186, PG186

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	1%-234%		NR
BENZENE	37%-151%		NR
TRICHLOROETHENE	71%-157%		NR
TOLUENE	47%-150%		NR
CHLOROBENZENE	36%-160%		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE W015B*		SDG WLH20		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	107	104	3
BENZENE	ug/L	96	96	0
TRICHLOROETHENE	ug/L	114	110	4
TOLUENE	ug/L	97	95	2
CHLOROBENZENE	ug/L	103	101	2

*** DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS**

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH20: RW01B, RW08B, W201A, RN2TB, 201BB, 207CB, W201C, 94351, W314A, W313A, W207B, 94320, MW016, MW24B, MW207, MW206, MW312 MW315, TB943, W015B

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	30-200		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 110-C*		SDG WLH29		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	101	98	3
BENZENE	ug/L	100	98	2
TRICHLOROETHENE	ug/L	108	107	1
TOLUENE	ug/L	112	106	6
CHLOROBENZENE	ug/L	104	99	5

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH29: 16AB3, 03CB1, QUSB2, TB216, 16BB1, 103B2, TB-32, 03BB1, 13AB2, 06AB3, TB232, 206A1, 106B1, 304B2, TB329, 110B1, TB223, 111B1, TB224 110-C, 118B1, 403B2, 302B4, 104B3, 223TB

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	30-200		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 17AA0*		SDG WLH27		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	116	113	3
BENZENE	ug/L	98	97	1
TRICHLOROETHENE	ug/L	109	111	-2
TOLUENE	ug/L	97	98	-1
CHLOROBENZENE	ug/L	98	100	-2

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH27: 306A1, 310A2, 103B1, TB032, 100A2, 316B1, 309B2, 115A1, TB-22, 07AB1, 04AB2, 01AB3, 02BB4, 17AA0, 16AA0, 95032, 1F-B1, 5A-B2, T-B32

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	30-200		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 301-C*		SDG WLH31		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	88	87	1
BENZENE	ug/L	94	94	0
TRICHLOROETHENE	ug/L	110	107	3
TOLUENE	ug/L	99	100	-1
CHLOROBENZENE	ug/L	98	99	-1

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH31: 110BB, 112AB, 114AB, 113BA, 107CA, 305CB, TB757, W100A, W100B, W101A, TBWHT, EQG2, 301-C, -002-, 102-A, 113-A, 113-AD, 107-A, 032TB

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	30-200		NR

TABLE 2 - 5, CONTINUED
GC/MS VOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 340IN*		SDG WLH36		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
VOA COMPOUNDS	UNITS			
1,1-DICHLOROETHENE	ug/L	88	95	-8
BENZENE	ug/L	97	105	-8
TRICHLOROETHENE	ug/L	100	104	-4
TOLUENE	ug/L	96	104	-8
CHLOROBENZENE	ug/L	94	96	-2

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH36: 340IN, 340PR

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
1,1-DICHLOROETHENE	1%-234%		NR
BENZENE	37%-151%		NR
TRICHLOROETHENE	71%-157%		NR
TOLUENE	47%-150%		NR
CHLOROBENZENE	37%-160%		NR

TABLE 2 - 6
SEMIVOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE W015B*		SDG WLH20		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
PHENOL	ug/L	52	51	2.0
2-CHLOROPHENOL	ug/L	82	82	0.0
1,4-DICHLOROBENZENE	ug/L	99	96	2.0
N-NITROSO-DI-N-PROPYLAMINE	ug/L	101	97	5.0
1,2,4-TRICHLOROBENZENE	ug/L	107	106	1.0
4-CHLORO-3-METHYLPHENOL	ug/L	83	84	-1.0
ACENAPHTHENE	ug/L	92	90	2.0
4-NITROPHENOL	ug/L	34	36	-4.0
2,4-DINITROTOLUENE	ug/L	107	107	-1.0
PENTACHLOROPHENOL	ug/L	92	91	1.0
PYRENE	ug/L	100	100	0.0

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH20: RW01B, RW08B, W201A, 201BB, 207CB, W201C, W314A, W313A, W207B, MW016, MW24B, MW207, MW206, MW312, MW315, W015B

COMPOUND	ADVISORY LIMITS	RPD
	% R WATER	WATER
PHENOL	5%-112%	NR
2-CHLOROPHENOL	23%-134%	NR
1,4-DICHLOROBENZENE	20%-124%	NR
N-NITROSO-DI-N-PROPYLAMINE	1%-230%	NR
1,2,4-TRICHLOROBENZENE	44%-142%	NR
4-CHLORO-3-METHYLPHENOL	22%-147%	NR
ACENAPHTHENE	47%-145%	NR
4-NITROPHENOL	1%-132%	NR
2,4-DINITROTOLUENE	39%-139%	NR
PENTACHLOROPHENOL	14%-176%	NR
PYRENE	52%-115%	NR

TABLE 2 - 6, CONTINUED
SEMIVOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE MSD = MATRIX SPIKE DUPLICATE RPD = RELATIVE PERCENT DIFFERENCE	*SAMPLE 110-C*	SDG WLH29		
		MS	MSD	
		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
PHENOL	ug/L	*0	*0	NC
2-CHLOROPHENOL	ug/L	92	90	1.0
1,4-DICHLOROBENZENE	ug/L	90	85	6.0
N-NITROSO-DI-N-PROPYLAMINE	ug/L	100	99	1.0
1,2,4-TRICHLOROBENZENE	ug/L	93	86	8.0
4-CHLORO-3-METHYLPHENOL	ug/L	97	92	5.0
ACENAPHTHENE	ug/L	96	91	6.0
4-NITROPHENOL	ug/L	53	53	0.0
2,4-DINITROTOLUENE	ug/L	94	92	2.0
PENTACHLOROPHENOL	ug/L	92	102	-9.0
PYRENE	ug/L	102	95	7.0

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH29: 16AB3, 03CB1, 0USB2, 16BB1, 103B2, 03BB1, 13AB2, 06AB3, 206A1, 106B1, 304B2, 110B1, 111B1, 110-C, 118B1, 403B2, 302B4, 104B3

COMPOUND	ADVISORY LIMITS	RPD
	% R WATER	WATER
PHENOL	5%-112%	NR
2-CHLOROPHENOL	23%-134%	NR
1,4-DICHLOROBENZENE	20%-124%	NR
N-NITROSO-DI-N-PROPYLAMINE	1%-230%	NR
1,2,4-TRICHLOROBENZENE	44%-142%	NR
4-CHLORO-3-METHYLPHENOL	22%-147%	NR
ACENAPHTHENE	47%-145%	NR
4-NITROPHENOL	1%-132%	NR
2,4-DINITROTOLUENE	39%-139%	NR
PENTACHLOROPHENOL	14%-176%	NR
PYRENE	52%-115%	NR

TABLE 2 - 6, CONTINUED
SEMIVOLATILE ORGANICS COMPOUNDS
WATER SAMPLE MATRIX SPIKE/MATRIX SPIKE DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 17AA0*		SDG WLH27		
MSD = MATRIX SPIKE DUPLICATE		MS	MSD	
RPD = RELATIVE PERCENT DIFFERENCE		%R	%R	%RPD
SVOA COMPOUNDS	UNITS			
PHENOL	ug/L	*0	*0	0.0
2-CHLOROPHENOL	ug/L	74	80	-7.0
1,4-DICHLOROBENZENE	ug/L	78	83	-6.0
N-NITROSO-DI-N-PROPYLAMINE	ug/L	89	96	-8.0
1,2,4-TRICHLOROBENZENE	ug/L	81	79	2.0
4-CHLORO-3-METHYLPHENOL	ug/L	77	76	2.0
ACENAPHTHENE	ug/L	76	72	6.0
4-NITROPHENOL	ug/L	43	44	-2.0
2,4-DINITROTOLUENE	ug/L	53	64	-19.0
PENTACHLOROPHENOL	ug/L	73	79	-7.0
PYRENE	ug/L	86	84	2.0

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH27: 306A1, 310A2, 103B1, 100A2, 316B1, 309B2, 115A1, 07AB1, 04AB2, 01AB3, 028B4, 17AA0, 16AA0, 1F-B1, 5A-B2,

COMPOUND	ADVISORY LIMITS	RPD
	% R WATER	WATER
PHENOL	5%-112%	NR
2-CHLOROPHENOL	23%-134%	NR
1,4-DICHLOROBENZENE	20%-124%	NR
N-NITROSO-DI-N-PROPYLAMINE	1%-230%	NR
1,2,4-TRICHLOROBENZENE	44%-142%	NR
4-CHLORO-3-METHYLPHENOL	22%-147%	NR
ACENAPHTHENE	47%-145%	NR
4-NITROPHENOL	1%-132%	NR
2,4-DINITROTOLUENE	39%-139%	NR
PENTACHLOROPHENOL	14%-176%	NR
PYRENE	52%-115%	NR

TABLE 2 - 7
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 178B3*		SDG WGW01	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	107.2	0.2

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW01: 178B3,178B1, 178B2, 203B1, 203B2, 203B3, WH1A3, WHIA1, WHIA2

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE W16B1*		SDG WGW02	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	85.0	0.1

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW02: W16B1, W16BB, W16B3, 6HBA1, 6HBA2, 6HBA3, 105B1, 105B2, 105B3, MW113, MWB2-, MWB3, 117A1, 117A2, 117A3

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 117A3*		SDG WGW02	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	54.5	0.4

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW02: W16B1, W16BB, W16B3, 6HBA1, 6HBA2, 6HBA3, 105B1, 105B2, 105B3, MW113, MWB2-, MWB3, 117A1, 117A2, 117A3

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 109A1*		SDG WGW04	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	-142.4	0.5

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW04: 109A1, 109A2, 109A3, 107C1, 107C2, 107C3

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 107A1*		SDG WGW05	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	60.8	1.4

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW05: 103B1, 103B2, 103B3, 21-B4, 107A1, 107A2, 107A3, EB002, MW2B1, MW2B2, MW2B3, B4---, B5---, B6----, A1---, A22--, A33--

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 1786H-MW106B*		SDG WGW06	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	97.0	0.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW06: 1786H-MW110A-A2, 1786H-MW110B-A1, 1786H-MW100A1-A2
1786H-MW103A-B1, 1786H-MW113B-A1, 1786H-MW111A-A2, 1786H-MW204A-B1
1786H-MW204B-B2, 1786H-MW100A-A1, 1786H-MW100B-A1, 1786H-MW106A
1786H-MW106B, 1786H-MW107A

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE MW-A5*		SDG WGW03	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	96.4	0.1

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW03: 13AB1, 13AB2, 13AB3, MW-A1, MW-A2, MW-A3, MW-A4, MW-A5, MW-A6, 108B1, 108B2, 108B3, EB001

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 16AB2*		SDG WGW07	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	95.0	1.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW07: 117B1, 15BB1, 16AB2, 202BB, 205AA, 205BA, 206A1, 206B1, 24-A2, EB003, W22B3, W23A3

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

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TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 206B1*		SDG WGW07	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	91.8	27.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW07:- 117B1, 15BB1, 16AB2, 202BB, 205AA, 205BA, 206A1, 206B1, 24-A2, EB003, W22B3, W23A3

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 1786H*		SDG WGW04	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	527.7	2.7

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW04: 1786H

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 31-A2*		SDG WLH08	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	99.9	NC

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW08: 31-A2, 32-A2, 7B-A3, 03CA1, A33B1, RW3B1

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 302BC*		SDG WLH10	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	418.0	2.9

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH10: 302BC

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 1786H-PEIFFER-1*		SDG WLH09	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	103.0	0.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH09: 1786H-PEIFFER-1, 1786H-TANK-G45, 1786H-MW308A-B1, 1786H-302B-A1, 1786H-302B-C1

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE W015B*		SDG WLH20	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	88.1	4.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH20: RW01B, RW08B, W201A, 201BB, 207CB, W201C, W314A, W313A, W207B, MW016, MW24B, MW207, MW206, MW312 MW315, W015B, W015BD

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 110-C*		SDG WLH29	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	86.3	2.8

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH29: 16AB3, 03CB1, QUSB2, 16BB1, 103B2, 03BB1, 13AB2, 06AB3, 206A1, 106B1, 304B2, 110B1, 111B1, 110-C, 110-CD, 118B1, 403B2, 302B4, 104B3,

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 7, CONTINUED
TOTAL ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE 17AA0*		SDG WLH27	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	934.4	17.3

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH27: 306A1, 310A2, 103B1, 100A2, 316B1, 309B2, 115A1,
07AB1, 04AB2, 01AB3, 02BB4, 17AA0, 17AA0D, 16AA0, 1F-B1, 5A-B2,

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 8
DISSOLVED ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE F015B*		SDG WLH21	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	89.0	1.0

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH21: 204FL, 206FL, 207FL, 312FL, 315FL, A01FL, F015B, F015BD, F201A, F201C, F207B, F313A, F314A, F01BB, F07CB, FRW01, FRW08

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 8, CONTINUED
DISSOLVED ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE D7AA0*		SDG WLH28	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	1203.5	14.9

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED.
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH281: F306A, F310A, F103B, F100A, F316A, F309A, F115B, D7AB1, D4AB2, D1AB3, D2BB4, D7AA0, D7AA0D, D6AA0, D1FB1, D5AB2

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

TABLE 2 - 8, CONTINUED
DISSOLVED ARSENIC
WATER SAMPLE MATRIX SPIKE/ MATRIX DUPLICATES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

MS = MATRIX SPIKE *SAMPLE F07B1*		SDG WLH34	
MD = MATRIX DUPLICATE		MS	MD
RPD = RELATIVE PERCENT DIFFERENCE		%R	RPD
METALS COMPOUND	UNITS		
ARSENIC	ug/L	79.8	0.9

* DENOTES VALUE NOT WITHIN QA/QC ADVISORY LIMITS

NC DENOTES THAT BOTH SAMPLES ARE NON-DETECT AND A RPD CANNOT BE CALCULATED
NR DENOTES THAT A MATRIX SPIKE RECOVERY CALCULATION IS NOT REQUIRED.

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH34: F004-, F006-, F006A, F07B1, F107B, F109A, F109B, F117B, F117C, FRW4A, F07B1L

COMPOUND	ADVISORY LIMITS		RPD
	%R WATER		WATER
ALL COMPOUNDS	75%-125%		10.0

+/- CRDL = RPD Limits applicable only on values 5 times the Contract Required Detection Limit (CRDL)

were performed on field samples from the site of concern. Serial dilution results are presented in Appendix B.

2.1 Groundwater Matrix

The assessment of groundwater matrix environmental samples and associated duplicates for precision is provided in Tables 2-1 through 2-4. Field duplicate samples were not submitted for the GC/MS aniline, aniline, or arsenic speciation fractions. The field duplicate pairs submitted for the GC/MS volatile fraction, the total arsenic fraction, and the dissolved arsenic fraction exhibited acceptable RPDs for all detected compound/analytes (Tables 2-1, 2-3, and 2-4, respectively. Therefore, no further discussion of these fractions was required.

The semivolatile analysis of the field duplicate pairs of samples 118B1 and 04AB2 exhibited acceptable precision for all compounds detected (Table 2-2). The semivolatile analysis of the field duplicate pair of sample RW03B exhibited a non-compliant RPD for one (1) of the two (2) compounds detected (Table 2-2). The non-compliant compound was bis(2-ethylhexyl)phthalate. The compound was detected at concentrations below the CRQL in both samples. The non-compliance for bis(2-ethylhexyl)phthalate can be attributed to the low concentrations detected.

The assessment of precision based on the reproducibility of results between matrix spike and matrix spike duplicate (organic fractions), or matrix duplicate (metals fractions) pairs are provided in Tables 2-5 through 2-8 for the groundwater matrix. MS/MSD pairs were not analyzed for the GC/MS aniline fraction, the GC aniline fraction, or the arsenic speciation fraction.

The reproducibility for MS/MSD/MD pairs was acceptable for the GC/MS volatiles, semivolatiles, total arsenic and dissolved arsenic fractions (Table 2-5, 2-6, 2-7, and 2-8). Therefore, no further discussion was required.

Based on assessment of duplicate precision evaluation criteria, the groundwater matrix analytical data was acceptable for all fractions for each SDG. Arsenic speciation results for Set 1, Set 2, Set 3, Set 4, and Set 5 were qualified as estimated, L/UL, because an MS sample was not performed.

3.0 ACCURACY

The assessment of accuracy is evaluated by comparison of the percent recoveries (%R) computed from the known concentration of analyte spikes and their recovered concentration versus the analytical method acceptance criteria. Spike recoveries provide an indication of bias, where the reported data may either overestimate or underestimate the actual concentration of detected compounds and/or the detection limits. Recoveries outside acceptable criteria may be caused by factors such as matrix interference, poor analytical precision, or instrument calibration.

The following Sections summarize the evaluation of analytical accuracy for the groundwater matrix.

- GC/MS volatile organic compounds (GC/MS VOCs);
- semivolatile organic compounds (SVOCs), GC/MS aniline; and
- GC aniline.

Accuracy was assessed using MS and MSD samples for organic analyses and MS samples for inorganic analyses, as well as surrogate compound recoveries for those analytical fractions which utilize them. The results of the evaluation of accuracy for the MS/MSD samples are provided in Tables 2-5 through 2-8 for the groundwater matrix.

The results of the evaluation of accuracy for the surrogates in the samples are provided in Tables 3-1 through 3-4 for the groundwater matrix.

3.1 Groundwater and QC Water Matrix

The MS/MSD pairs analyzed for GC/MS volatiles (Table 2-5), total arsenic (Table 2-7), and dissolved arsenic (Table 2-8) exhibited acceptable recovery results. Some of the arsenic recoveries were above or below the QC limits. However, the spike levels were negligible compared to the native concentrations in the unspiked samples so criteria does not apply.

The volatiles (Table 3-1), the GC/MS aniline (Table 3-3), and the GC aniline exhibited acceptable surrogate recoveries for all samples.

The semivolatile MS/MSD of samples 110-C and 17AA0 exhibited 0% recoveries for the compound phenol (Table 2-6). This indicates that reported non-detect results for phenol in the unspiked samples 110-C and 17AA0 are unreliable. The reported non-detect values for phenol in the samples 110-C and 17AA0 were rejected, R. This constituted the rejection of two (2) field sample data points. The completion goal was met.

The semivolatile surrogate compound phenol was recovered in fifteen (15) samples at less than 10% and fluorophenol was recovered in one (1) sample at less than 10%. This indicates that positive results reported in the samples are underestimated, and that non-detect results are unreliable. The samples were re-extracted and analyzed exhibiting similar results with the exception of one (1) sample, 107-B, which exhibited a phenol recovery above 10%. Positive results were qualified as estimated, J, and non-detect results were rejected, R, in the fifteen (15) samples M303C, 30922, 08BA2, 16BB1, 118B1, 403B2, 302B4, 100A2, 117B1, 117A2, 007B1, 305CB, and W100B. This constituted the rejection of one-hundred and thirty-three (133) field sample data points and twelve (12) QC sample data points. The completion goal for the fraction was met. Eighty-six point seven percent (86.7%) of the pesticide/PCB surrogate recoveries were acceptable.

TABLE 3 - 1
SURROGATE % RECOVERIES
GC/MS VOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	SMC1	SMC2	SMC3	TOTAL OUT
WGW01	178B3	98	99	95	0
	178B3MS	95	100	92	0
	178B3MSD	96	97	92	0
	178TB	102	100	95	0
	203B3	99	97	97	0
	TB002	101	96	98	0
	WHIA3	101	99	103	0
	TB003	96	94	99	0
WGW02	W16B3	106	107	103	0
	W16B3DL	102	104	98	0
	6HBA3	99	105	88	0
	6HBA3DL	98	101	98	0
	6HB05	99	101	101	0
	TB-B4	106	104	103	0
	105B3	94	107	110	0
	TB006	101	96	98	0
	MWB3-	101	102	104	0
	TB007	101	99	107	0
	117A3	100	102	100	0
	117A3DL	99	96	96	0
WGW04	109A3	100	97	96	0
	109A3MS	100	98	96	0
	109A3MSD	99	95	96	0
	107C3	100	96	96	0
	TB013	98	95	94	0
WGW05	103B3	103	95	101	0
	103B3MS	101	97	99	0
	103B3MSD	100	99	100	0
	21-B4	101	96	98	0
	TB015	101	95	97	0
	107A3	100	98	98	0
	EB002	99	94	94	0
	MW2B3	99	96	93	0
	B6----	99	93	97	0
	B6----DL	99	90	96	0
	A33--	103	94	97	0
	T33--	101	94	95	0
WGW03	13AB3	99	98	98	0
	13AB3MS	101	111	105	0
	13AB3MD	101	113	111	0
	TB009	96	101	101	0
	MW-A3	98	98	99	0
	MW-A6	96	108	114	0
	MWTBB	99	97	99	0
	108B3	98	106	113	0
	TB012	102	98	106	0
	TB011	94	100	112	0
	EB001	94	94	103	0
	TTTTT	97	95	107	0

TABLE 3 - 1, CONTINUED
SURROGATE % RECOVERIES
GC/MS VOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	SMC1	SMC2	SMC3	TOTAL OUT
WGW08	TRE-1	92	97	90	0
WLH02-I	EQ--1	95	95	97	0
	M303C	94	96	97	0
	-TB-1	96	95	99	0
	BECAR	93	97	92	0
	AFCAR	94	97	91	0
	EFFCP	93	94	97	0
	30922	93	93	98	0
	309TB	102	99	103	0
	TRIPP	94	95	97	0
WLH08	TBKWH	103	102	100	0
WLH16	C-I-1	106	94	104	0
	C-I-2	104	92	103	0
	C-II1	108	96	113	0
	C-II1MS	100	89	97	0
	C-II1MSD	107	96	108	0
	C-II2	106	89	99	0
	TBLK	103	89	100	0
	TBLK1	106	86	95	0
WLH15	IN186	98	88	90	0
	PG186	98	94	94	0
	PG186MS	102	106	100	0
	PG186MSD	100	101	97	0
WLH22	EQG1A	96	93	102#	0
	EQS1B	95	92	101#	0
	TB025	97	95	102#	0
WLH20	RW01B	95	93	99#	0
	RW08B	95	95	104#	0
	W201A	99	95	113#	0
	RN2TB	98	96	102#	0
	201BB	95	92	103#	0
	207CB	94	93	99#	0
	W201C	97	96	100#	0
	94351	94	93	100#	0
	W314A	93	91	102#	0
	W313A	96	93	106#	0
	W207B	96	94	103#	0
	94320	94	92	104#	0
	MW016	98	96	106#	0
	MW24B	98	96	104#	0
	MW207	97	94	102#	0
	MW206	97	95	102#	0
	MW312	96	94	105#	0
	MW315	100	97	107#	0
	TB943	96	94	103#	0
	W015B	95	94	103#	0
	W015BMS	99	103	102#	0
	W015BMSD	98	105	100#	0

TABLE 3 - 1, CONTINUED
SURROGATE % RECOVERIES
GC/MS VOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	SMC1	SMC2	SMC3	TOTAL OUT
WLH24	05AB1	96	94	102	0
	05BB2	98	96	105	0
	5BA01	96	95	100	0
	13A02	97	94	101	0
	11AB3	99	98	105	0
	07BB4	100	96	103	0
	RW03B	97	95	100	0
	400B2	100	98	104	0
	015AA	98	96	104	0
	025TB	97	97	105	0
	08AB1	99	98	105	0
	8AA01	97	101	95	0
	8BA02	99	99	102	0
	07AB2	95	94	102	0
	95025	96	94	102	0
WLH29	16AB3	91	89	97	0
	03CB1	89	88	99	0
	QUSB2	90	90	97	0
	TB216	94	93	100	0
	16BB1	91	91	97	0
	103B2	88	87	99	0
	TB-32	88	87	101	0
	03BB1	93	91	94	0
	13AB2	91	88	91	0
	06AB3	90	89	93	0
	TB232	91	89	96	0
	206A1	91	87	98	0
	106B1	91	89	96	0
	304B2	90	89	93	0
	TB329	92	90	94	0
	110B1	91	88	96	0
	TB223	94	92	98	0
	111B1	94	90	96	0
	TB224	92	89	94	0
	110-C	92	90	93	0
	110-CMS	90	95	91	0
	110-CMSD	90	88	93	0
	118B1	92	88	93	0
	403B2	93	91	92	0
	302B4	90	90	95	0
	104B3	89	90	96	0
	223TB	91	88	95	0
WLH33	107-B	92	89	95#	0
	109-A	98	96	89#	0
	TB303	91	87	93#	0
	006-A	92	89	95#	0
	006--	91	88	94#	0
	109B1	99	98	106#	0
	004B2	104	104	113#	0
	306TB	102	100	108#	0
	117B1	94	90	95#	0
	RW4A1	92	89	96#	0
	117A2	100	101	105#	0
	TB307	97	96	107#	0
	007B1	105	106	105#	0
	308TB	100	97	113#	0

TABLE 3 - 1, CONTINUED
SURROGATE % RECOVERIES
GC/MS VOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	SMC1	SMC2	SMC3	TOTAL OUT
WLH27	306A1	97	96	104#	0
	310A2	96	95	102#	0
	103B1	95	96	104#	0
	TB032	96	97	100#	0
	100A2	97	98	100#	0
	316B1	95	96	107#	0
	309B2	96	99	102#	0
	115A1	105	105	93#	0
	TB-22	95	97	101#	0
	07AB1	94	96	101#	0
	04AB2	92	95	102#	0
	01AB3	96	96	101#	0
	02BB4	97	99	104#	0
	17AA0	97	101	95#	0
	17AA0MS	98	96	102#	0
	17AA0MSD	101	100	103#	0
	16AA0	99	100	105#	0
	95032	96	98	107#	0
	1F-B1	96	95	109#	0
	5A-B2	96	96	107#	0
	T-B32	96	95	102#	0
WLH31	110BB	91	88	96#	0
	112AB	92	92	94#	0
	114AB	91	93	93#	0
	113BA	92	92	95#	0
	107CA	97	95	97#	0
	305CB	92	90	95#	0
	TB757	92	91	94#	0
	W100A	91	89	94#	0
	W100B	90	88	95#	0
	W101A	91	89	96#	0
	TBWHT	93	89	96#	0
	EQG2	92	89	96#	0
	301-C	92	90	96#	0
	301-CMS	93	96	95#	0
	301-CMSD	91	96	95#	0
	-002-	91	89	95#	0
	102-A	90	88	94#	0
	113-A	93	90	98#	0
	107-A	91	91	97#	0
	032TB	92	91	101#	0
WLH36	340IN	100	95	96	0
	340INMS	97	96	92	0
	340INMSD	98	104	91	0
	340PR	93	96	92	0

SMC1 - TOLUENE-d8 QC LIMITS 88% - 110%
SMC2 - BROMOFLUOROBENZENE QC LIMITS 86% - 115%
SMC3 - 1,2-DICHLOROETHANE d-4 QC LIMITS 76% - 114%

# INDICATES SMC3 IS DIBROMOFLUOROMETHANE WITH QC LIMITS 86%-

# SAMPLES	% REC IN	%REC OUT	% TOTA IN
179	537	0	100.0%

TABLE 3 - 2
SURROGATE % RECOVERIES
SEMIVOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	S1	S2	S3	S4	S5	S6	S7	S8	TOTAL OUT
WGW08	TRE-1	81	82	95	63	67	97	76	77	0
WLH02	EQ--1	88	84	98	40	58	93			0
	M303C	86	79	72	0*	57	80			1
	BECAR	99	82	98	34	44	67			0
	AFCAR	90	89	103	32	53	97			0
	EFFCP	90	84	101	34	56	93			0
	30922	80	81	67	3*	29	77			1
WLH16	C-I-1	80	90	80	NA	NA	NA			0
	C-I-2	67	78	73	NA	NA	NA			0
	C-II1	72	69	91	NA	NA	NA			0
	C-II2	81	92	89	NA	NA	NA			0
	TBLK	84	92	97	NA	NA	NA			0
WLH15	IN186	109	105	78	15	71	58			0
	PG186	103	98	65	13	65	54			0
WLH22	EQG1A	92	90	99	43	68	102			0
	EQS1B	94	90	94	45	70	108			0
WLH20	RW01B	70	77	84	34	53	62			0
	RW08B	76	81	88	37	58	66			0
	W201A	78	79	84	38	57	67			0
	201BB	64	70	76	32	49	71			0
	207CB	73	82	83	34	51	84			0
	W201C	73	80	87	33	51	75			0
	W314A	68	62	73	31	47	55			0
	W313A	80	75	83	33	51	62			0
	W207B	71	73	80	31	49	60			0
	MW016	67	70	79	31	48	77			0
	MW24B	70	73	81	32	51	79			0
	MW207	68	75	81	32	52	82			0
	MW206	65	68	80	29	46	80			0
	MW312	69	77	84	32	50	89			0
	MW315	73	78	85	32	50	84			0
	W015B	78	91	106	32	54	102			0
	W015BMS	81	94	103	34	56	104			0
	W015BMSD	80	88	103	33	59	108			0

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TABLE 3 - 2
SURROGATE % RECOVERIES
SEMIVOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	S1	S2	S3	S4	S5	S6	S7	S8	TOTAL OUT
WLH24	05AB1	83	79	90	40	65	102			0
	05BB2	62	53	87	34	57	89			0
	5BA01	75	78	95	36	56	97			0
	13A02	74	75	96	36	58	99			0
	11AB3	84	84	96	40	66	104			0
	07BB4	76	75	91	37	59	107			0
	RW03B	75	86	96	34	54	94			0
	400B2	74	81	102	33	50	103			0
	015AA	74	88	95	33	52	97			0
	08AB1	75	86	90	32	52	84			0
	8AA01	69	70	85	31	43	77			0
	8BA02	79	86	94	0*	26	100			1
	07AB2	76	86	90	32	49	91			0
WLH29	16AB3	83	77	80	36	57	110			0
	03CB1	84	76	82	12	32	116			0
	QUSB2	55	51	63	25	38	64			0
	16BB1	87	96	97	1*	52	67			1
	103B2	70	84	98	24	42	69			0
	03BB1	82	76	78	38	60	101			0
	13AB2	86	85	81	39	58	110			0
	06AB3	93	87	86	41	64	103			0
	206A1	81	86	98	38	64	74			0
	106B1	83	84	100	39	62	70			0
	304B2	82	86	97	19	65	78			0
	110B1	75	82	98	37	58	73			0
	111B1	78	79	93	41	60	94			0
	110-C	88	89	93	21	70	113			0
	110-CMS	93	92	106	21	74	109			0
	110-CMSD	88	90	101	20	72	109			0
	118B1	88	86	93	7*	30	111			1
	403B2	87	89	94	7*	33	116			1
	302B4	86	87	92	9*	40	113			1
	104B3	81	83	89	43	64	107			0
WLH27	306A1	72	69	88	30	48	63			0
	310A2	78	79	85	31	51	71			0
	103B1	82	84	86	34	53	79			0
	100A2	81	77	85	0*	9*	77			2
	316B1	80	89	84	36	56	78			0
	309B2	82	74	91	13	30	96			0
	115A1	90	82	95	12	59	119			0
	07AB1	67	56	82	26	42	59			0
	04AB2	62	63	88	31	52	73			0
	01AB3	72	71	91	36	57	80			0
	02BB4	82	76	96	40	66	75			0
	17AA0	73	75	87	16	28	76			0
	17AA0MS	74	76	89	14	32	74			0
	17AA0MSD	74	76	87	13	36	76			0
	16AA0	63	64	78	23	39	73			0
	1F-B1	77	79	76	38	56	92			0
	5A-B2	81	84	78	40	59	88			0

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TABLE 3 - 2
SURROGATE % RECOVERIES
SEMIVOLATILE WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	S1	S2	S3	S4	S5	S6	S7	S8	TOTAL OUT
WLH33	107-B	76	80	70	8*	40	81			1
	107-BRE	86	85	95	10	48	106			0
	109-A	76	79	67	35	52	73			0
	006-A	70	76	71	34	54	81			0
	006--	81	82	71	36	58	77			0
	109B1	72	81	99	10	54	80			0
	004B2	72	77	97	38	57	76			0
	117B1	89	87	97	4*	66	121			1
	RW4A1	80	79	92	38	58	83			0
	117A2	88	82	90	8*	40	94			1
	007B1	87	84	82	1*	55	106			1
WLH31	110BB	75	70	75	37	58	72			0
	112AB	76	68	78	36	55	72			0
	114AB	76	65	75	38	60	74			0
	113BA	85	73	80	6*	52	78			1
	107CA	85	72	80	23	64	78			0
	305CB	81	68	76	8*	60	81			1
	W100A	71	64	69	31	47	66			0
	W100B	81	74	79	5*	32	94			1
	W101A	78	71	84	23	30	53			0
	EQG2	77	70	84	35	56	80			0
	301-C	71	62	71	31	48	78			0
	-002-	68	68	80	31	50	66			0
	102-A	61	59	72	31	51	65			0
	113-A	74	74	83	34	55	74			0
	107-A	69	72	90	32	49	85			0
WLH36	340IN	83	80	91	38	60	86			0
	340PR	80	74	95	35	59	86			0

S1 - NITROBENZENE-d5 QC LIMITS 35% - 114%
S2 - 2-FLUOROBIPHENYL QC LIMITS 43% - 116%
S3 - TERPHENYL-d14 QC LIMITS 33%-141%
S4 - PHENOL-d5 QC LIMITS 10% - 110%
S5 - 2-FLUOROPHENOL QC LIMITS 21% - 110%
S6 - 2,4,6-TRIBROMOPHENOL QC LIMITS 10% - 123%
S7 - 2-CHLOROPHENOL-d4 QC LIMITS 33% - 110% ADVISORY
S8 - 1,2-DICHLOROBENZENE-d4 QC LIMITS 16% - 110% ADVISORY

# SAMPLES	% REC IN	%REC OUT	% TOTA IN
112	658	16	97.6%

TABLE 3 - 3
SURROGATE % RECOVERIES
ANILINE ONLY WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	S1	S2	S3	TOTAL OUT
WGW01	178B3	85	79	81	0
	203B3	82	69	79	0
	WHIA3	67	59	61	0
WGW05	103B3	74	53	38	0
	21-B4	84	67	51	0
	EB002	81	80	111	0
	MW2B3	81	79	89	0
	B6----	81	82	77	0
WGW03	13AB3	78	73	86	0
	MW-A3	76	70	99	0
	MW-A6	85	75	86	0
	EB001	86	83	78	0

S1 - NITROBENZENE-D5 QC LIMITS 35% - 114%
S2- 2-FLUOROBIPHENYL QC LIMITS 43% - 116%
S3- TERPHENYL-D14 QC LIMITS 33% - 141%

# SAMPLES	% REC IN	%REC OUT	% TOTA IN
12	36	0	100.0%

TABLE 3 - 4
SURROGATE % RECOVERIES
ANILINE BY GC WATER SAMPLES

WHITMOYER LABORATORIES SUPERFUND SITE
OPERABLE UNIT SIX

SDG	SAMPLE ID	S1	TOTAL OUT
WGW01	178B3	74	0
	203B3	80	0
	WHIA3	83	0
WGW02	W16B3	65	0
	6HBA3	74	0
	105B3	92	0
	MWB3-	69	0
	117A3	68	0
WGW05	103B3	95	0
	21-B4	83	0
	EB002	77	0
	MW2B3	70	0
	B6----	76	0
	A33--	72	0
WGW03	13AB3	75	0
	MW-A3	71	0
	MW-A6	95	0
	108B3	73	0
	EB001	115	0
WGW08	TRE-1		0
WGW04	109A3	90	0
	107C3	100	0

S1 - N-NITROSO-DI-N-PROPYLAMIN QC LIMITS 60% - 140%

# SAMPLES	% REC IN	%REC OUT	% TOTAL IN
22	21	0	100.0%

AR301301

For the volatiles, aniline, and arsenic analytical fractions, none of the compounds or analytes were rejected. Therefore, based on an overall assessment of MS/MSD and surrogate sample accuracy evaluation criteria, the groundwater matrix analytical data was acceptable for each SDG for these fractions. For the semivolatile fraction, one hundred and forty-seven (147) data points were rejected because of surrogate or MS/MSD recoveries which were below 10%. The completeness goal for the fraction was still met.

4.0 REPRESENTATIVENESS

Representativeness of the environmental sample analytical data was assessed using trip blanks, equipment rinseate blanks, and laboratory method blanks. The environmental samples and associated blanks were analyzed for the following target analyte groups:

- GC/MS volatile organic compounds (GC/MS VOCs);
- GC/MS semivolatile organic compounds (SVOCs);,
- GC/MS aniline; GC aniline, and
- arsenic.

The trip blank samples were analyzed for only volatile organic target analytes. The trip blanks results are presented in Table 4-1. The rinseate blank samples were analyzed for the volatile, semivolatile and arsenic fractions. The rinseate blank results are presented in Tables 4-2 and 4-3. The method blank samples were analyzed for all fractions. Method blanks results are presented in Tables 4-2 through 4-5. Blank tables were prepared only for those fractions and blanks which exhibited blank contamination.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation by Heartland. The corrective action consisted of amending the laboratory reported results for organic and inorganic target analytes by the criteria. The following describes the Validation Qualifier code in the blank summary tables.

Organic Target Analytes

- B Validation Qualifier. If a sample result for the blank contaminant was greater than the sample CRQL and less than 5 time (10 times for common laboratory contaminants) the blank value, the sample result for the blank contaminant was qualified as B.

- No Action (NA). If a sample result for the blank contaminant was greater than the CRQL and 10 times the blank value, the result was not amended.

Inorganic Target Analytes

- B Validation Qualifier. If a sample result for the blank contaminant was less than the IDL and less than 5 times the blank value, the sample result was qualified as B.

- UL Validation Qualifier. If a sample result for the blank contaminant was less than the sample IDL when the absolute value of the negative blank value was greater than the IDL, the sample result for the blank contaminant was amended as estimated non-detected.

- L Validation Qualifier. If a sample result for the blank contaminant was greater than the IDL and less than 10 times the blank value, when the absolute of the negative blank value is greater than the IDL the result was amended as estimated at the laboratory value.

4.1 Trip Blanks

Trip blanks contained organic free deionized water from the laboratory and consisted of sample bottles which were from the same lot as the containers used for the field sampling. The trip blanks

TABLE 4 - 1

GC/MS VOLATILE COMPOUNDS DETECTED IN TRIP BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	TB CONC.	UNITS	VALIDATION QUALIFIER
WGW01	TB002	178B3, 203B3, WHIA3	ACETONE	6	ug/L	
			METHYLENE CHLORIDE	2	ug/L	
	TB003	178B3, 203B3, WHIA3	ACETONE	5	ug/L	
WGW02	TB-B4	W16B3, 6HBA3	ACETONE	12	ug/L	
			METHYLENE CHLORIDE	1	ug/L	
	TB006	105B3	METHYLENE CHLORIDE	1	ug/L	
	TB007	MW83	ACETONE	2	ug/L	8
	TB008	117A3, 117A3-DL	ACETONE	4	ug/L	8
WGW03	TB012	13AB3, MW-A3, MW-A6, 108B	METHYLENE CHLORIDE	2	ug/L	
	TB011	13AB3, MW-A3, MW-A6, 108B	METHYLENE CHLORIDE	2	ug/L	
	TTTTT	13AB3, MW-A3, MW-A6, 108B	METHYLENE CHLORIDE	1	ug/L	
WGW04	TB013	109A3, 107C3	ACETONE	5	ug/L	
WGW05	T33--	103B3, 21-B4, 107A3, MW2B3, B6---, A33---	ACETONE	2	ug/L	
			METHYLENE CHLORIDE	2	ug/L	
	TB015	103B3, 21-B4, 107A3, MW2B3, B6---, A33---	ACETONE	2	ug/L	
			METHYLENE CHLORIDE	2	ug/L	
WLH02	-TB-1	M303C, BECAR, AFCAR EFFCP	METHYLENE CHLORIDE	1	ug/L	
	30922	M303C, BECAR, AFCAR EFFCP	METHYLENE CHLORIDE	1	ug/L	
WLH33	TB307	107-B, 109-A, 109-ADL, 006-A, 006--, 109B1, 109B1DL, 004B2, 004B2DL, 117B1, 117B1DL, RW4A1, 117A2, 117A2DL, 007B1, 007B1DL	METHYLENE CHLORIDE	1	ug/L	

TABLE 4 - 2

GC/MS VOLATILE COMPOUNDS DETECTED IN RINSEATE BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	RB CONC.	UNITS	VALIDATION QUALIFIER
WLH02	EQ--1	M303C, M303CDL	BENZENE	1	ug/L	NA

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TABLE 4 - 3

GC/MS SEMIVOLATILE COMPOUNDS DETECTED IN RINSEATE BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	RB CONC.	UNITS	VALIDATION QUALIFIER
WLH02	EQ--1	M303C, M303CDL	BIS(2-ETHYLHEXYL)PHTHALATE	4	ug/L	B
WLH24	EQS1B	05AB1, 05BB2, 07BB4, 400B2, 07AB2, 201BB, 207CB, W314A, MW207	BIS(2-ETHYLHEXYL)PHTHALATE	1	ug/L	B
WLH31	EQG2-	110BB, 112AB, 114AB, 113BA, 107CA, 305CB, W100A, W100B W101A, 301-C, -002-, 102-A, 113-A, 107-A	DI-N-BUTYLPHTHALATE	2	ug/L	

TABLE 4 - 4

ARSENIC DETECTED IN RINSEATE BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	RB CONC.	UNITS	VALIDATION QUALIFIER
WGW03	EB001	13AB1, 13AB2, 13AB3, MW-A1, MW-A2, MW-A3, MW-A4, MW-W-A6, 108B1, 108B2, 108B3	ARSENIC	16.1	ug/L	
WGW05	EB002	103B1, 103B2, 103B3, 21-B4, 107A1, 107A2, 107A3, MW2B1 MW2B2, MW2B3, B4---, B5---, B6---, A1---, A22---, A33--	ARSENIC	11.3	ug/L	
WGW07	EB003	117B1, 15BB1, 16AB2, 202BB, 205AA, 205BA, 206A1, 206B1, 24-A2, W22B3, W23A3	ARSENIC	24.1	ug/L	

TABLE 4 - 5

GC/MS VOLATILES DETECTED IN METHOD BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	MB CONC.	UNITS	VALIDATION QUALIFIER
WGW01	VBLKK97	TB002, WH1A3, TB003	ACETONE	5	ug/L	B
WGW02	VBLK06	TB-B4, W16B3, W16B3DL	ACETONE	2	ug/L	B
WGW04	VBLKK24	TB013, 107C3, 109A3	ACETONE	6	ug/L	B
WGW05	VBLKK26	TB015, 107A3	ACETONE	2	ug/L	B
		TB015	METHYLENE CHLORIDE	1	ug/L	B
	VBLKK32	EB002, MW2B3	ACETONE	5	ug/L	B
	VBLKK33	MW2B3DL	ACETONE	6	ug/L	B
	VBLKK36	86--, 86--DL, T33--, A33--	ACETONE	7	ug/L	B
		T33--	METHYLENE CHLORIDE	2	ug/L	B
WLH33	VBLKJ85	TB307, 117A2, 117A2DL	METHYLENE CHLORIDE	1	ug/L	B

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TABLE 4 - 6
GC/MS SEMIVOLATILES DETECTED IN METHOD BLANKS

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SDG NUMBER	BLANK ID	RELATED ENVIRONMENTAL SAMPLES	CONTAMINANT	MB CONC.	UNITS	VALIDATION QUALIFIER
WLH20	SBLKWA026	RW088, W201A	PHENOL	2	ug/L	B

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were prepared and packaged at the laboratory prior to the sampling event and traveled with the sample bottles to the site. The trip blank bottles were not opened at the site or anytime prior to laboratory analysis.

The organic compounds which were detected in one (1) or more of the trip blank samples are listed below:

- GC/MS Volatiles (Table 4-1)

  methylene chloride
  acetone

The compounds are common laboratory contaminants. The acetone and methylene chloride can be attributed to laboratory contamination. Some of the field sample analytical results required qualification due to acetone trip blank contamination. Based on the assessment of the trip blanks for representativeness, the analytical data was acceptable for each SDG.

4.2 Rinseate Blanks

Rinseate blanks contained organic free deionized water from the laboratory and consisted of sample bottles which were from the same lot as the containers used for the field sampling. The rinseate blanks were prepared and packaged at the laboratory prior to the sampling event and traveled with the sample bottles to the site.

The organic compounds which were detected in one (1) or more of the rinseate blank samples are listed below:

- GC/MS Volatiles (Table 4-2)

  Benzene

- GC/MS Semivolatiles (Table 4-3)

  bis(2-ethylhexyl)phthalate
  di-n-butylphthalate

- Arsenic (Table 4-4)

The volatile compound benzene may be due to contaminated glassware or instrument carryover from a standard injection. The bis(2-ethylhexyl)phthalate and di-n-butylphthalate can be attributed to laboratory contamination. The compounds are common laboratory contaminants. Some of the field sample analytical results required qualification due to rinseate blank contamination. The arsenic samples were not qualified for rinseate blank contamination due to the relative high concentrations of arsenic in the field sample. Based on the assessment of the rinseate blanks for representativeness, the analytical data was acceptable for each SDG.

4.3 Method Blanks

The method blanks were a sample of deionized water prepared by the laboratory at the time of analysis. Method blanks undergo the same analytical process as the corresponding environmental samples. The purpose of the method blank is to assess the potential for target analytes to "contaminate" the sample during analysis. Aniline was not detected in method blank samples.

Arsenic was detected in some of the method blanks, but the contamination did not result in data qualification. Target compounds/analytes which were detected in the method blanks are listed below:

- GC/MS Volatiles (Table 4-5)

  acetone
  methylene chloride

- Semivolatile Organics (Table 4-6)

  Phenol

The detectable acetone and methylene chloride results are attributed to laboratory contamination. The volatile compound benzene may be due to contaminated glassware or instrument carryover from a standard injection. Because target analytes and compounds were detected in some of the method blanks, some of the analytical results were qualified. However, based on assessment of method blanks for representativeness the analytical data was acceptable for each SDG for all analytical fractions and matrices.

4.5 Holding Times

Holding times requirements are utilized in an effort to minimize the degradation or concentration of constituents in a particular matrix over time. The stability of the constituents is determined to the best extent and then a reasonable time limit is imposed under which the samples must be extracted or prepared and then analyzed. The holding times regulations assume that the samples have been properly preserved according to the guidelines, either at the laboratory or in the field. Analytical results from samples with holding time violations are qualified as estimated, J/UJ, or rejected, R, due to the potential for compromising the integrity of the samples, and based on the extent of the holding time violation.

All holding times requirements, extraction and analytical, were met for all fractions.

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5.0 COMPARABILITY

Comparability is a qualitative measure designed to express the confidence with which one data set may be compared to another. The analytical samples were collected and transported to the chemical analytical laboratory in accordance with standard procedures and were analyzed in conformance with acceptable USEPA procedures (Refer to Table 5-1 below). The analytical data are reported in standard units (micrograms per liter, micrograms per kilogram, etc.).

The methods used to collect the environmental samples and the methods used to analyze the samples should assure comparability of the analytical data.

TABLE 5-1

USEPA Procedures (CLP/SW-846/EPA Methodologies)

U.S. EPA Method	Description
CLP SOW OLM01.8	CLP TCL Volatile Organics
CLP SOW OLM01.8	CLP TCL Semivolatile Organics + Aniline
SW-846, 8000/8015	Aniline
SW-846, 8240	Volatiles
SW-846, 8270	Semivolatiles
SW-846, 6000 Series	Arsenic by Inductively Coupled Plasma
SW-846, 7060	Arsenic by Atomic Absorption

6.0 COMPLETENESS

Completeness is the quantitative measure of the amount of data obtained from a measurement process compared with the amount expected to be obtained under the conditions of measurement. The completeness goal for laboratory analysis for this project was 85 percent useable data. Unusable analytical data are those results reported by the laboratory but rejected during the data validation process. A summary of the completeness goal for Whitmoyer Laboratories Private Study Group, Operable Unit Six is provided in Table 6-1. For more detailed completeness goal tables, please refer to Appendix C.

TABLE 6-1
COMPLETION GOAL (>85%)

	QC	GW	Overall
V	99.8	99.9	99.8
SV	97.7	97.9	97.8
ANI	100.0	100.0	100.0
GcANI	100.0	100.0	100.0
TAs	100.0	100.0	100.0
DAs	100.0	100.0	100.0
As-S	100.0	100.0	100.0

MATRIX KEY
QC = QC Samples
GW = Groundwater

METHOD KEY
V = GC/MS Volatiles
SV = GC/MSSemivolatiles
ANI = GC/MS Aniline
GcAni = GC Aniline
TAs = Total Arsenic.
Das = Dissolved Arsenic
As-S = Arsenic Speciation

Overall the analytical data met the 85 percent completeness goal for every fraction. Several matrices with some fractions fell below the completeness goal. Most of the circumstances upon which the data were rejected were discussed in the body of the narrative. The narrative following describes any extenuating factors involved in the data resolution.

GC/MS Volatiles, Non-Compliant RRFs One (1) volatile compounds; vinyl acetate, did not always meet the continuing calibration criteria of >0.05 for RRF (Relative Response Factor). The RRF values fell below 0.05 in analyses affecting the SDG associated with this project. All non-detect sample results associated with the continuing calibrations that exhibited vinyl acetate with the non-compliant RRF are rejected, R, (Table A-1). All positive sample results associated with the continuing calibrations that exhibited vinyl acetate with the non-compliant RRF are qualified as estimated, J, (Table A-1). The non-compliant calibrations resulted in the rejection of eight (8) data points. The completeness goal for the fraction was still met.

Non-detect results that were rejected for the compounds may be evaluated by adjusting the CRQL to the concentration of the continuing calibration standard and qualifying the results as not detected at an estimated concentration, UJ. The non-detect qualification at the concentration of the continuing calibration standard insures that the instrumentation is capable of detecting the compound at a known concentration.

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Organics Some sample data points were qualified for initial and/or continuing calibration deficiencies. All results qualified for calibration % RSD and % D deficiencies (J/UJ) are considered to be useable. For the compounds in the volatile and semivolatile analyses that did not meet calibration criteria, all positive results are qualified as estimated (J) (%Ds >25%) and all non detect results are qualified as estimated (UJ) (>50% D <90%) due to calibration deficiencies. All data qualified for calibration deficiencies is considered usable. All data qualified for calibration deficiencies is considered usable.

Volatiles and Semivolatiles Several samples in each fraction required analysis at dilution factors to quantitate target compounds which were present in the samples at concentrations which were above the calibration range undiluted. Those compounds which required dilution analysis were reported from the dilution analysis and all other compounds from the dilution analysis were rejected. These actions do not constitute true rejections since viable results were obtained from the dilution analyses or the reanalysis. Therefore, the "rejections" were not counted in the rejection tables and did not affect the completeness results.

Metals MSAs The target analyte potassium was qualified as estimated, J/UJ, due to unacceptable graphite furnace MSA results in samples from SDG one of the SDGs. All results qualified for non-compliant MSA recoveries are considered to be useable. If the recovery was above the QC limits, only the positive results for the analyte were qualified. If the recovery was below the QC limits, or the correlation coefficient of an MSA curve was below the QC limits, positive and non-detect results were qualified as estimated, J/UJ.

Metals CRDL Standard Positive and non-detect results for arsenic were qualified as biased low, L/UL, due to non-compliant CRDL standard recoveries in samples from two (2) of the SDGs. The affected SDGs were WLH06/WLH07 and WLH08. All results qualified for non-compliant serial dilution results are considered to be useable.

7.0 PARCC SUMMARY

The purpose of evaluating the quality of the analytical data using the PARCC criteria was to address the qualification of the data in regards to evaluation of the presence, magnitude and characteristics of hazardous substances at Whitmoyer Laboratories Private Study Group (WLPSG). Overall, the chemical analytical data are acceptable and exceeded the completion goal of 85 percent for all analytical fractions. Tables 7-1 through 7-2 provides a tabulation of the assessment of PARCC criteria for each SDG for groundwater and quality control samples.

7.1 Groundwater Samples

One hundred and thirty-three (133) semivolatile data points were rejected because an acid fraction surrogate compound was recovered at less than 10%. The completion goal was met. Two (2) Semivolatiles data points were rejected because the recovery of phenol in the MS/MSD samples was below 10%. The completion goal was met. Five (5) volatile data points were rejected because the RRF for vinyl acetate in the associated continuing calibration standards was below 0.05. The completion goal was met.

7.2 QC Samples

Twelve (12) semivolatile data points were rejected because an acid fraction surrogate compound was recovered at less than 10%. The completion goal was met. The completion goal was met. Three (3) volatile data points were rejected because the RRF for vinyl acetate in the associated continuing calibration standards was below 0.05. The completion goal was met.

TABLE 7-1
GROUNDWATER SUMMARY

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDGs	PRECISION	ACCURACY	REPRESENT-ATIVENESS	COMPARABILITY	COMPLETENESS
WGW01	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW02	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW03	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW04	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW05	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW06	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW07	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW08	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH02	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS	ACCEPTABLE (3) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE (1) (3) WITH REJECTIONS
WLH04	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH06/07	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH08	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH10	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH09	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH15	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH16	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH17	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE

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TABLE 7-1, CONTINUED
GROUNDWATER SUMMARY

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDGs	PRECISION	ACCURACY	REPRESENT-ATIVENESS	COMPARABILITY	COMPLETENESS
ATF29	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH20/21	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH24/25	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH22/23	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH27/28	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS
WLH29/30	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS
WLH31/32	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS
WLH33/34	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS
WLH36	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
140M03	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
SET 1 & 2	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
SET 3,4, & 5	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE

(1) One hundred and thirty-three (133) semivolatile data points were rejected because an acid fraction surrogate compound was recovered at less than 10%. The completion goal for the fraction was met.
(2) Two (2) semivolatile data points were rejected because the recovery of phenol in the MS/MSD samples was below 10%. The completion goal for the fraction was met.
(3) Five (5) volatile data points were rejected because the RRF for vinyl acetate in the associated continuing calibration standard was below 0.05. The completion goal for the fraction was met.

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TABLE 7-2
QUALITY CONTROL SUMMARY

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDGs	PRECISION	ACCURACY	REPRESENT-ATIVENESS	COMPARABILITY	COMPLETENESS
WGW01	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW02	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW03	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW04	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW05	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW06	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WGW07	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH02	ACCEPTABLE	ACCEPTABLE (1) WITH REJECTIONS	ACCEPTABLE (2) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS
WLH16	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE

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TABLE 7-2, CONTINUED
QUALITY CONTROL SUMMARY

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDGs	PRECISION	ACCURACY	REPRESENT-ATIVENESS	COMPARABILITY	COMPLETENESS
WLH20	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH24/25	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH22/23	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH27/28	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH29/30	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE (1) (2) WITH REJECTIONS
WLH31	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE
WLH33	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE

(1) Twelve (12) semivolatile data points were rejected because an acid fraction surrogate compound was recovered at less than 10%. The completion goal for the fraction was met.

(2) Three (3) volatile data points were rejected because the RRF for vinyl acetate in the associated continuing calibration standard was below 0.05. The completion goal for the fraction was met.

AR301319

REFERENCES

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USEPA, 1991a., USEPA Contract Laboratory Program, Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration. Document Numbers ILMO2.1.

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USEPA, 1992, Guidance for Data Usability in Risk Assessment (Part A) Final, Washington, D.C., April, 1992.

APPENDIX A

CALIBRATION SUMMARY

AR301321

TABLE A-1

INITIAL AND CONTINUING CALIBRATION
VOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WGW01		DG WGW02			
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL1	CCAL2	CCAL3	CCAL4
DATE	051294	05/13/94	052594	060494	060694	060794
INSTRUMENT ID	FINN8238	FINN8238	HP03973	HP03974	HP03974	HP03974
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D
ACETONE	26.3	35.7	47.0			33.5
CHLOROMETHANE		31.5	33.8		31.6	
CARBON DISULFIDE		30.8				
1,1-DICHLOROETHENE		27.3			32.6	
1,1-DICHLOROETHANE		25.7				
2-BUTANONE			28.6			
4-METHYL-2-PENTANONE			32.8	34.4		34.0
2-HEXANONE			25.7			32.2
1,2-DICHLOROPROPANE					28.9	
BROMOFORM						29.2

SDGS, STANDARDS, AND ASSOCIATED SAMPLES

WGW01
CCAL1: 178B3, 178B3MW, 178B3MSD
CCAL2: 178TB
WGW02
CCAL1: TB-B4, W16B3, W16B3DL
CCAL2: TB006, 6HB05, 6HBA3DL, 6HBA3
CCAL3: TB008, 117A3
CCAL4: 117A3DL

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TABLE A-1, CONTINUED

INITIAL AND CONTINUING CALIBRATION
VOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WGW04	SDG WGW05		SDG WGW03	SDG WGW08
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL1	CCAL2	CCAL1	CCAL1
DATE	062094	02/05/2071	062794	061394	091294
INSTRUMENT ID	HP03973	HP03973	HP03973	HP03974	HP03974
CALIBRATION CRITERIA	%D	%D	%D	%D	%D
ACETONE	26.1				
CARBON DISULFIDE			29.3		
1,1-DICHLOROETHENE				33.9	
CHLOROETHANE		32.9			26.7
BROMOFORM					34.4

SDGS, STANDARDS, AND ASSOCIATED SAMPLES

WGW04
CCAL1: 109A3, 109A3MS, 109A3MSD, 107C3
WGW05
CCAL1: EB002, MW2B3
CCAL2: MW2B3DL
WGW03
CCAL1: TTTTT, EB001
WGW08
CCAL1: TRE-1, TRE-1DL

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TABLE A-1, CONTINUED

INITIAL AND CONTINUING CALIBRATION
VOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH02			SDG WLH22	SDG WLH24		
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL1	CCAL1	CCAL2	CCAL3
DATE	092094	091494	092394	020195	020195	020695	020695
INSTRUMENT ID	HP03974	HP03974	HP03974	HP03047	HP03047	HP03047	HP03047
CALIBRATION CRITERIA	RRF/%D	%D	%D	%D	%D	%D	%D
CARBON DISULFIDE	36.5		35.3	27.1	27.1		29.5
VINYL ACETATE	0.023	0.046	0.027				
1,1,2,2-TETRACHLOROETHANE						26.8	

SDGS, STANDARDS, AND ASSOCIATED SAMPLES

WLH02
CCAL1: BECAR, AFCAR, EFFCP
CCAL2: -TB-1, MW303C, MW303CDL, EQ--1
CCAL3: 309TB, 30922, 30922DL
WLH22
CCAL1: EQG1A, EQS1B, TB025
WLH24
CCAL1: 05AB1, 05BB1, 5BA01, 13A02, 11AB3, 07BB4
CCAL2: 025TB, RB03B, 400B2, 015AA, 08AB1
CCAL3: 8AA01, 8BA02, 07AB2, 95025

IR301324

TABLE A-1, CONTINUED

INITIAL AND CONTINUING CALIBRATION
VOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH33			SDG WLH27		
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL1	CCAL2	CCAL3
DATE	031495	031595	031795	020995	021595	021695
INSTRUMENT ID	HP03047	HP03047	HP03047	HP03047	HP03047	HP03047
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D
METHYLENE CHLORIDE	25.8	32.9	37.6			
1,1,1-TETRACHLOROETHANE			26.3			
CARBON TETRACHLORIDE			30.2			
CARBON DISULFIDE				36.0	34.1	31.8
TETRACHLOROETHENE			29.4			

SDGS, STANDARDS, AND ASSOCIATED SAMPLES

WLH33
CCAL1: TB307, 117A2, 117A2DL
CCAL2: 308TB, 109B1, 306TB, 109B1DL, 004B2, 004B2DL, 007B1
CCAL3: 007B1DL
WLH27
CCAL1: 306A1, 310A2, 310A2DL, 103B1, TB032, 100A2
CCAL2: 95032, 07AB1, 04AB2, 01AB3, 02BB4, 17AA0, 17AA0DL
CCAL3: 17AA0DLMW, 17AA0DLMSD, 16AA0, 16AA0DL, 1F-B1, 5A-B2, T-B32

AR301325

TABLE A-1, CONTINUED

INITIAL AND CONTINUING CALIBRATION
VOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH20			SDG WLH36
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL1
DATE	013095	020195	020695	041395
INSTRUMENT ID	HP03047	HP03047	HP03047	HP03409
CALIBRATION CRITERIA	%D	%D	%D	%D
CARBON DISULFIDE	47.9	27.1		33.5
CHLOROETHANE				29.5
1,1,2,2-TETRACHLOROETHANE			26.8	

SDGS, STANDARDS, AND ASSOCIATED SAMPLES

WLH20
CCAL1: RN2TB, RW01B, W201A, RW08B, 201BB, 207CB, W201C, 94351, W314A, W313A, W207B, 94320
CCAL2: MW016, MW24B, MW207, MW016DL, MW206
CCAL3: W015B, W015BDL, W015BMS, W015BMSD
WLH36
CCAL1: 340IN, 340INMS, 340INMSD, 340PR

AR301326

TABLE A - 2

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WGW08		SDG WLH02			
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL1	CCAL2	CCAL3	CCAL4
DATE	091194	091294	091594	092094	092294	092194
INSTRUMENT ID	HP03841	HP03841	HP01598	HP01598	HP01598	HP02550
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D
HEXACHLOROCYCLOPENTADIENE	31.6					
3-NITROANILINE	34.4					
2,4-DINITROPHENOL	28.2	37.6			36.8	
4-NITROPHENOL	34.7	26.5				
4-NITROANILINE	32.8	28.1				
CHRYSENE		30.6				
DI-N-OCTYLPHTHALATE			25.9			28.6
4,6-DINITRO-2-METHYLPHENOL				34.2	43.7	
PENTACHLOROPHENOL						28.8

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WGW08
CCAL1: TRE-1
CCAL2: TRE-1DL
SDG WGW02
CCAL1: M303C, M303CRE, M303CDL, EQ--1
CCAL2: AFCAR, EFFCP
CCAL3: 30922, 30922RE, 30922DL
CCAL4: BECAR

AR301327

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH16	SDG WLH15	SDG WLH24			
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL1	CCAL1	CCAL2	CCAL3	CCAL4
DATE	011295	010695	020695	020695	020795	020895
INSTRUMENT ID	HP01598	HP02550	HP02861	HP02861	HP02861	HP02861
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D
HEXACHLOROCYCLOPENTADIENE	37.8	32.0				
2,4-DINITROPHENOL		29.0				
DI-N-OCTYLPHTHALATE	26.7					
4,6-DINITRO-2-METHYLPHENOL		56.9				
2,4-DINITROTOLUENE		32.6				
2,2-OXYBIS-1-CHLOROPROPANE			37.9		29.4	
INDENO(1,2,3-CD)PYRENE				35.9		
DIBENZO(A,H)ANTHRACENE				36.2		
BENZO(G,H,I)PERYLENE				38.5		
4-CHLOROANILINE						100.0

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH16
CCAL1: C-I-1
SDG WLH15
CCAL1: IN186DL, PG186DL, IN186, PG186
SDG WLH24
CCAL1: RW03B, 400B2, 015AA
CCAL2: 08AB1, 8AA01, 8BA02, 07AB2
CCAL3: 08BA02DL
CCAL4: SBLKWA0382

AR301328

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH36	SDG WLH29						
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL1	CCAL2	CCAL3	CCAL4	CCAL5	CCAL6	CCAL7
DATE	041495	030195	030195	030795	022195	022195	022295	022195
INSTRUMENT ID	HP03189	HP01597	HP01597	HP01597	HP02550	HP02550	HP02550	HP02550
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D	%D	%D
2,4-DINITROPHENOL		29.3						
4,6-DINITRO-2-METHYLPHENOL		32.0						
PENTACHLOROPHENOL		25.8						
4-NITROANILINE			27.1	27.1				
4-METHYLPHENOL					32.1	30.6	36.6	
4-NITROPHENOL							37.8	
PYRENE	28.2							
3,3'-DICHLOROBENZIDINE								32.8

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH36
CCAL1: 340IN, 340PR
SDG WLH29
CCAL1: 206A1, 106B1, 304B2, 110B1
CCAL2: 304B2DL
CCAL3: 118B1RE, 403B2RE, 302B4RE
CCAL4: 03CB1
CCAL5: 03CB1DL
CCAL6: 03BB1, 13AB2, 06AB3
CCAL7: 110-C, 110-CMS, 110-CMSD, 118B1, 403B2, 302B4, 104B3

AR301329

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH31				
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL4	CCAL5
DATE	030195	030295	030295	030395	030695
INSTRUMENT ID	HP02861	HP02861	HP02861	HP02861	HP02861
CALIBRATION CRITERIA	%D	%D	%D	%D	%D
2,4-DINITROPHENOL		26.1	29.4		
PENTACHLOROPHENOL					25.6
2-NITROANILINE		29.8	26.1		30.5
2,2'-OXYBIS(1-CHLOROPROPANE		31.7	34.7	26.9	40.2
BIS(2-ETHYLHEXYL)PHTHALATE				25.6	31.4
BENZO(G,H,I)PERYLENE	26.8				

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH31
CCAL1: 112ABDL, 113BADL, 107CADL
CCAL2: 305CBDL
CCAL3: 113BARE
CCAL4: 305CBRE, W100A, W100B, W101A, EQG2-, 301-C
CCAL5: -002-, 102-A, 113-A, 107-A, W100ADL, W100BDL, 301-CDL

AR301330

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH33					
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL4	CCAL5	CCAL6
DATE	031095	030795	031095	030895	031195	031395
INSTRUMENT ID	HP02861	HP01597	HP01598	HP01597	HP01598	HP02550
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D
2,4-DINITROPHENOL					27.7	
PYRENE						27.2
4-NITROANILINE		27.1		33.4		
4-CHLOROANILINE				32.5	41.9	
INDENO(1,2,3-CD);YRENE					33.2	
BENZO(G,H,I)PERYLENE					39.6	
BIS(2-ETHYLHEXYL)PHTHALATE	28.8					
3,3'-DICHLOROBENZIDINE			59.6	45.1	80.2	

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH33
CCAL1: 117A2, 117A2DL, 117B1DL
CCAL2: 107-B, 109-A, 006-A, 006--
CCAL3: 007B1
CCAL4: 107-BDL
CCAL5: 007B1DL
CCAL6: 004B2DL

AR301331

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH27						
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL4	CCAL5	CCAL6	CCAL7
DATE	022895	021095	021395	021795	022095	022195	022295
INSTRUMENT ID	HP01598	HP01598	HP01598	HP01598	HP02550	HP02550	HP02550
CALIBRATION CRITERIA	%D	%D	%D	%D	%D	%D	%D
2,4-DINITROPHENOL	39.9						
4,6-DINITRO-2-METHYLPHENOL	42.2						
2-FLUOROPHENOL				27.8			
PENTACHLOROPHENOL		26.9		28.3			
4-METHYLPHENOL					34.0	30.6	28.6
4-NITROANILINE		25.8					
HEXACHLOROCYCLOPENTADIENE				26.8			
DI-N-OCTYLPHTHALATE			28.5				
2,4,6-TRIBROMOPHENOL		27.5				26.4	

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH27
CCAL1: 17AA0DL, 16AA0DL
CCAL2: 310A2DL
CCAL3: 100A2DL, 100A2RE
CCAL4: 17AA0, 17AA0MS, 17AA0MSD, 16AA0, 07AB1
CCAL5: SBLKWA0483
CCAL6: 309B2, 115A1
CCAL7: 309B2DL, 115A1DL

IR301332

TABLE A - 2, CONTINUED

INITIAL AND CONTINUING CALIBRATION
SEMIVOLATILE ORGANIC COMPOUNDS

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP (WLPSG)
OPERABLE UNIT SIX

ICAL = INITIAL CALIBRATION = %RSD	SDG WLH20				
CCAL = CONTINUING CALIBRATION = %D	CCAL1	CCAL2	CCAL3	CCAL4	CCAL5
DATE	012795	020695	020795	013095	013095
INSTRUMENT ID	HP03189	HP02861	HP02861	HP03189	HP01598
CALIBRATION CRITERIA	%D	%D	%D	%D	%D
2,4-DINITROPHENOL	35.6				
HEXACHLOROCYCLOPENTADIENE				27.7	27.3
2,4,6-TRIBROMOPHENOL					26.4
INDENO(1,2,3-CD)PYRENE					27.3
DIBENZO(A,H)ANTHRACENE					33.9
BENZO(G,H,I)PERYLENE					42.3
2,2-OXYBIS(1-CHLOROPROPANE		37.9	29.4		

SDGS, CALIBRATIONS AND ASSOCIATED SAMPLES:

SDG WLH20
CCAL1: RW01B, RW08B
CCAL2: W015B, W015BMS, W015BMSD
CCAL3: W015BDL
CCAL4: W314A, W313A, W207B
CCAL5: 201BB, 207CB, W201C

AR301333

APPENDIX B

SERIAL DILUTION SUMMARY

AR301334

TABLE B - 1

WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE 107A1		SDG WGW05
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	3.0

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW05: 103B3, 21-B4, 107A3, MW2B3, B6---, A33--, 103B1, 103B2, 103B3, 21-B4, 107A1, 107A2, 107A3, MW2B3, MW2B1, MW2B2, B4---, B5---, B6---, A1---, A22---, A33---

SAMPLE W106B		SDG WGW06
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.5

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW06: W106B, W106A, W107A, W100A, W100B, 100A1, 103A, 204B, 113B, 204A-, 0B-A1, 1A-A2, 0A-A2

SAMPLE 109A1		SDG WGW04
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	2.3

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW04: 109A3, 107C3, 109A1, 109A2, 109A3, 107C1, 107C2, 107C3

SAMPLE 117A3		SDG WGW02
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.4

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW02: W16B3, 6HAB3, 6HB05, 105B3, MWB3, 117A3, W16B1, W16BB, 6HBA1, 6HBA2, 105B1, 105B2, MW113, MWB2-, 117A1, 117A2

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL
(SOME VALUES ROUNDED TO LIMIT %Ds TO THREE (3) SIGNIFICANT FIGURES)

AR301335

TABLE B - 1, CONTINUED
WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE MW-A5		SDG WGW03
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	25.6

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW03: 13AB1, 13AB2, 13AB3, MW-A1, MW-A2, MW-A3, 108B1, 108B2, 108B3, MW-A4, MW-A5, MW-A6, EB001

SAMPLE 16AB2		SDG WGW07
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	1.1

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WGW07: EB003, 15BB1, 16AB2, W22B3, W23A3, 117B1, 206A1, 206B1, 202BB, 205AA, 24-A2, 205BA

SAMPLE 1786H		SDG WLH04
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.8

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH04: 1786H

SAMPLE 31-A2		SDG WLH08
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	NC

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH08: 03CA1, 31-A2, 32-A2, 7B-A3, A33B1, RW3B1,

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL
(SOME VALUES ROUNDED TO LIMIT %Ds TO THREE (3) SIGNIFICANT FIGURES).

AR301336

TABLE B - 1, CONTINUED
WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE 86HP1		SDG WLH09
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	3.8

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH09: 302A1, 302C1, 308A-, 86HP1, TKG45

SAMPLE 302BC		SDG WLH10
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	3.7

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH10: 302BC

SAMPLE F015B		SDG WLH21
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	4.6

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH21: 204FL, 206FL, 207FL, 312FL, 315FL, A01FL, F015B, F201A, F201C, F207B F313A, F314A, F01BB, F07CB, FRW01, FRW08

SAMPLE FEQS1		SDG WLH23
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	NC

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH23: FEQG1, FEQS1

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL
(SOME VALUES ROUNDED TO LIMIT %Ds TO THREE (3) SIGNIFICANT FIGURES)

R301337

TABLE B - 1, CONTINUED
WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE F110C		SDG WLH30
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	1.6

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH30: D3CB1, D6AB3, DQSB2, F-6B1, F103A, F104A, F110A, F110C, F111A, F118A, F16B1, F302B, F3AB2, F3BB1, F403A, F4AB2, F6AB3, F6BA1

SAMPLE F07B1		SDG WLH34
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.0

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH34: F004-, F006-F006A, F07B1, F107B, F109A, F109B, F117B, F117C, 202BB, 205AA, 24-A2, 205BA

SAMPLE 104B3		SDG WLH29
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	3.3

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH29: 03CB1, 06AB3, 103B2104B3, 106B1, 110-C, 110B1, 111B1, 118B1, 13AB2, 16AB3, 16BB1, 206A1, 302B4, 304B2, 403B2, 03BB1, QUSB2

SAMPLE 113-A		SDG WLH31
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.9

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH31: -002-, 102-A, 107-A, 107CA, 110BB, 112AB, 113-A, 114AB, 113BA, 301-C, 305CB, EQG2-, W100A, W100B, W101A

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL
(SOME VALUES ROUNDED TO LIMIT %Ds TO THREE (3) SIGNIFICANT FIGURES)

AR301338

TABLE B - 1, CONTINUED
WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE RW4A1		SDG WLH33
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	30.8

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH33: 004B2, 006--, 006-A, 007B1, 107-B, 109-A, 109B1, 117A2, 117B1, RW4A1

SAMPLE 17AA0		SDG WLH27
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	0.1

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH27: 01AB3, 02BB4, 04AB2, 07AB1, 100A2, 103B1, 115A1, 16AA0, 17AA0, 1F-B1, 306A1, 309B2, 310A2, 316B1, 5A-B2

SAMPLE D7AA0		SDG WLH28I
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	1.8

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH28I: D1AB3, D1FB1, D2BB4, D4AB2, D5AB2, D6AA0, D7AA0, D7AB1, F100A, F103B, F115B, F306A, F309A, F310A, F316A

SAMPLE W015B		SDG WLH20
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	3.1

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH20: 201BB, 207CB, MW016, MW206, MW207, MW24B, MW312, MW315, RW01B, RW08B, W015B, W201A, W201C, W207B, W313A, W314A

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL
(SOME VALUES ROUNDED TO LIMIT %Ds TO THREE (3) SIGNIFICANT FIGURES)

AR301339

TABLE B - 1, CONTINUED

WATER SAMPLE SERIAL DILUTION
METALS SUMMARY TABLE

WHITMOYER LABORATORIES PRIVATE STUDY GROUP (WLPSG)
OPERABLE UNIT SIX

SAMPLE 340PR		SDG WLH36
%D = PERCENT DIFFERENCE		%D
METALS ANALYTES	UNITS	
ARSENIC	ug/L	5.3
IRON	ug/L	0.6

CORRESPONDING SDG'S AND ASSOCIATED SAMPLES

WLH36: 340IN, 340PR

ANALYTE	RPD
	WATER
ALL ICP ANALYTES	+/-10%

+/-10% RULE ONLY APPLIES TO RESULTS GREATER THAN 50 TIMES THE IDL

APPENDIX C

REJECTED DATA SUMMARY

AR301341

TABLE C-1

GC/MS VOLATILES - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX		# OF COMPOUNDS REJECTED PER MATRIX	
	QC	GW	QC	GW
WGW01	2	4	0	0
WGW02	3	6	0	0
WGW03	6	4	0	0
WGW04	1	2	0	0
WGW05	2	7	0	0
WGW08	0	1	0	0
WLH02	3	8	3	5
WLH08	1	0	0	0
WLH15	0	2	0	0
WLH16	2	4	0	0
WLH20	2	18	0	0
WLH24	2	13	0	0
WLH22	3	0	0	0
WLH27	4	15	0	0
WLH29	8	17	0	0
WLH31	4	14	0	0
WLH33	4	10	0	0
WLH36	0	2	0	0
GRAND TOTAL	47	125	3	5
COMPLETION GOAL (>85%)			99.8%	99.9%

OVERALL COMPLETENESS
99.8%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 33 TARGET COMPOUNDS PER SAMPLE FOR CLP.

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TABLE C-2

GC/MS SEMIVOLATILES - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX				# OF COMPOUNDS REJECTED PER MATRIX			
	QC		GW		QC		GW	
WLH02	0		6		0		26	
WLH08	1		0		0		0	
WLH15	0		2		0		0	
WLH16	1		4		0		0	
WLH20	0		16		0		0	
WLH24	1		12		0		0	
WLH22	2		0		0		0	
WLH27	1		14		0		15	
WLH29	1		17		12		38	
WLH31	1		14		0		14	
WLH33	0		10		0		42	
WLH36	0		2		0		0	
GRAND TOTAL	8		97		12		135	
COMPLETION GOAL (>85%)					97.7%		97.9%	

OVERALL COMPLETENESS
97.8%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 65 TARGET COMPOUNDS PER SAMPLE

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TABLE C-3

GC/MS ANILINE - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX				# OF COMPOUNDS REJECTED PER MATRIX			
	QC		GW		QC		GW	
WGW01	0		3		0		0	
WGW02	0		5		0		0	
WGW03	1		3		0		0	
WGW04	0		2		0		0	
WGW05	1		4		0		0	
WGW08	0		1		0		0	
GRAND TOTAL	2		18		0		0	
COMPLETION GOAL (>85%)					100.0%		100.0%	

OVERALL COMPLETENESS
100.0%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 1 TARGET COMPOUND PER SAMPLE

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TABLE C-4

GC ANILINE - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX				# OF COMPOUNDS REJECTED PER MATRIX			
	QC		GW		QC		GW	
WGW01	0		3		0		0	
WGW03	1		4		0		0	
WGW05	1		6		0		0	
WLH02	0		6		0		0	
WGW08	0		1		0		0	
GRAND TOTAL	2		20		0		0	
COMPLETION GOAL (>85%)					100.0%		100.0%	

OVERALL COMPLETENESS
100.0%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 1 TARGET COMPOUND PER SAMPLE

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TABLE C - 5

TOTAL ARSENIC - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX		# OF COMPOUNDS REJECTED PER MATRIX	
	QC	GW	QC	GW
WGW01	0	9	0	0
WGW02	0	15	0	0
WGW03	1	12	0	0
WGW04	0	6	0	0
WGW05	1	16	0	0
WGW06	1	12	0	0
WGW07	1	11	0	0
WGW08	0	1	0	0
WLH04	0	1	0	0
WLH06/07	0	5	0	0
WLH08	0	6	0	0
WLH10	0	1	0	0
WLH09	0	5	0	0
WLH15	0	2	0	0
WLH17	0	5	0	0
ATF29	0	5	0	0
WLH20	0	17	0	0
WLH24	1	12	0	0
WLH22	2	0	0	0
WLH27	1	15	0	0
WLH29	1	18	0	0
WLH31	1	15	0	0
WLH33	0	11	0	0
WLH36	0	2	0	0
GRAND TOTAL	10	202	0	0
COMPLETION GOAL (>85%)			100.0%	100.0%

OVERALL COMPLETENESS
100.0%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 1 TARGET ANALYTE PER SAMPLE

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TABLE C - 6

DISSOLVED ARSENIC - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX		# OF COMPOUNDS REJECTED PER MATRIX	
	QC	GW	QC	GW
WLH21	0	17	0	0
WLH23	2	0	0	0
WLH25	1	12	0	0
WLH28	2	14	0	0
WLH30	1	18	0	0
WLH32	0	15	0	0
WLH34	0	11	0	0
GRAND TOTAL	6	87	0	0
COMPLETION GOAL (>85%)			100.0%	100.0%

OVERALL COMPLETENESS
100.0%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 1 TARGET ANALYTE PER SAMPLE

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TABLE C - 7

ARSENIC SPECIATION - REJECTED DATA

WHITMOYER LABORATORIES PRIVATE STUDIES GROUP
OPERABLE UNIT SIX

SDG	# SAMPLES/MATRIX				# OF COMPOUNDS REJECTED PER MATRIX			
	QC		GW		QC		GW	
SET 1 & 2	0		11		0		0	
SET 3, 4, & 5	0		11		0		0	
140M03 A	0		7		0		0	
140M03 B	0		6		0		0	
140M03 C	0		8		0		0	
GRAND TOTAL	0		43		0		0	
COMPLETION GOAL (>85%)					100.0%		100.0%	

OVERALL COMPLETENESS
100.0%

QC = QC SAMPLES
GW = GROUNDWATER SAMPLES

* 1 TARGET ANALYTE PER SAMPLE

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