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RESULTS OF THE
VERIFICATION MONITORING PROGRAM
SOUTH TANK FARM PLUME, RMA

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**RESULTS OF THE
VERIFICATION MONITORING PROGRAM
SOUTH TANK FARM PLUME, RMA**

**Prepared by
MK-Environmental Services
Denver, Colorado**

**Prepared for
Shell Oil Company
Denver, Colorado**

NOV 08 1990
S E D

December 1990

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<p>13. ABSTRACT (Maximum 200 words)</p> <p>THE PURPOSE OF THIS REPORT IS TO PRESENT THE RESULTS OF THE VERIFICATION MONITORING PROGRAM WHICH WAS CONDUCTED DURING LATE OCTOBER AND EARLY NOVEMBER, 1990, TO EVALUATE CONTAMINANT DISTRIBUTION IN THE SOUTH TANK FARM PLUME (STFP). THE OBJECTIVES OF THE PROGRAM ARE TO:</p> <ol style="list-style-type: none"> 1. DETERMINE THE PRESENT POSITION OF THE LEADING EDGE OF THE PLUME 2. DETERMINE THE CONCENTRATION AND DISTRIBUTION OF THE TARGET ANALYTES 3. MONITOR CHANGES IN THE WATER TABLE WHICH MAY AFFECT PLUME MIGRATION 4. MONITOR THE CONCENTRATION OF DISSOLVED OXYGEN 5. VERIFY THE SPRING 1990 GROUND WATER QUALITY DATA, THE BASIS FOR THE SELECTION OF THE STFP IRA. <p>THE REPORT IS DIVIDED INTO THE FOLLOWING SECTIONS:</p> <ol style="list-style-type: none"> 1. GROUND WATER SAMPLING AND ANALYSIS - PROCEDURES AND PARAMETERS 2. RESULTS AND INTERPRETATION - HYDROLOGY, GROUND WATER QUALITY, DISTRIBUTION OF STFP COMPOUNDS 			
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1.0 INTRODUCTION

The purpose of this report is to present the results of the Verification Monitoring Program which was conducted during late October and early November 1990 (Fall 1990). This monitoring program was conducted to collect groundwater quality data for further evaluation of contaminant distribution in the South Tank Farm Plume (STFP). This task was completed in accordance with discussions between the Organizations and State (OAS) during the October 12, 1990 meeting.

The STFP is located in the southern half of Sections 1 and 2 on the RMA (Figure 1). The STFP is a composite of benzene, toluene, xylene (collectively referred to as BTX), dicyclopentadiene (DCPD), and bicycloheptadiene (BCHPD) dissolved in groundwater. The STFP migrates from the South Tank Farm towards Lake Ladora and Lower Derby Lake. The dissolved plume originates from a plume of light non-aqueous phase liquid (LNAPL) near Tank 464A (Figure 2). The LNAPL plume is primarily comprised of DCPD, BCHPD and BTX. Reports on previous investigations and documents for the STFP Interim Response Action (IRA) provide a detailed description of the site history, geologic characteristics, and hydrologic conditions (Shell 1989, 1990a, 1990b, and 1990c).

The Verification Monitoring Program network, as proposed in the STFP IRA Documents, consists of 50 wells located throughout the STFP area. Recent construction activities for the Lower Derby Lake Spillway and Embankment Rehabilitation affected several wells, four of which were subsequently abandoned (Wells 01560, 01587, 02561, and 02584). The wells which were abandoned were not replaced for this investigation resulting in 46 wells available for sampling.

The specific objectives of the Fall 1990 Verification Monitoring Program are to: 1) determine the present position of the leading

edge of the dissolved plume; 2) determine the concentration and distribution of the five target analytes; 3) monitor potential changes in the water table which may affect the plume migration rate or pathway; 4) monitor the concentration of dissolved oxygen (DO); and 5) verify the Spring 1990 groundwater quality data, which is the basis for the selection of the STFP IRA.

Legend

- +--- Railroad
- - - - - Stream/Drainage
- ▭ Study Area
- ▨ Plume
- ▧ Lakes

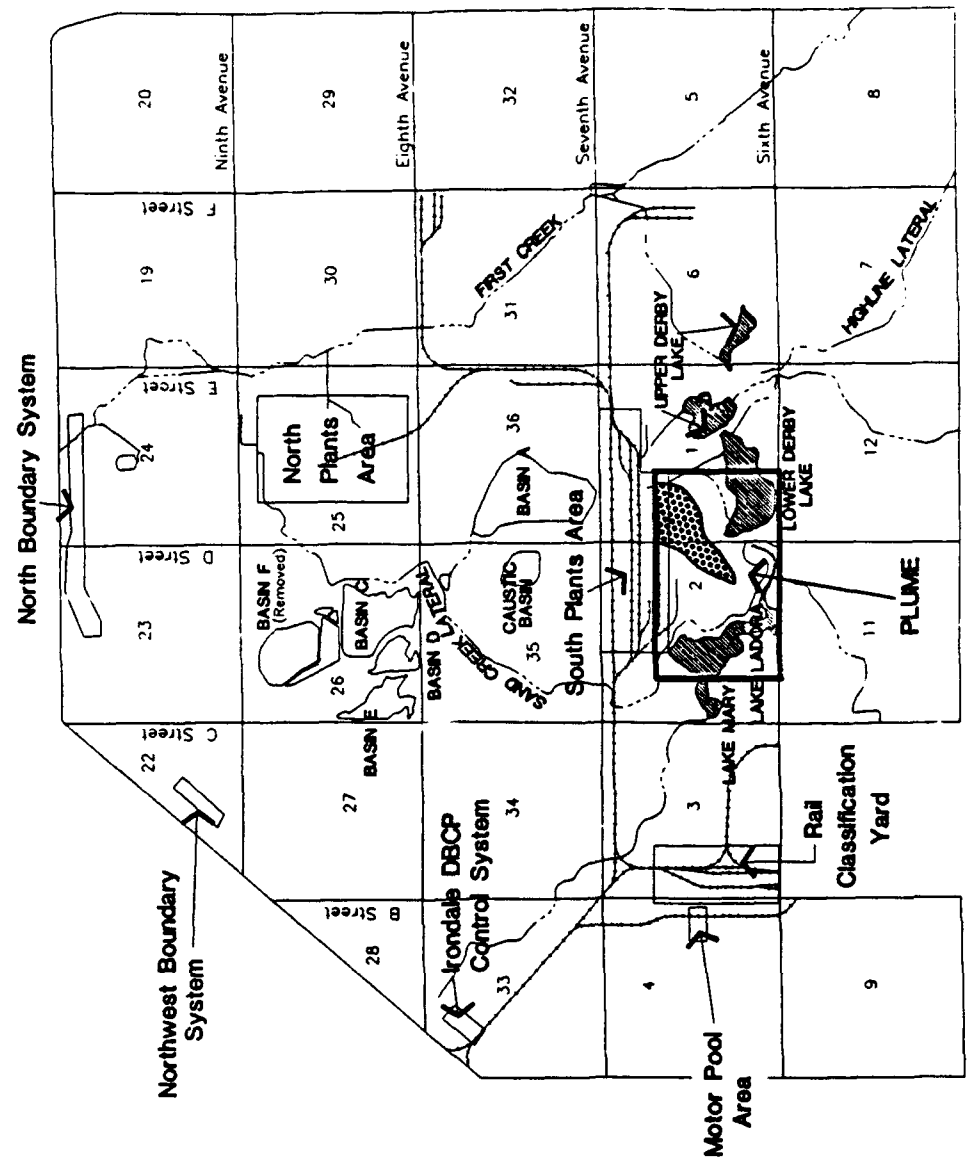


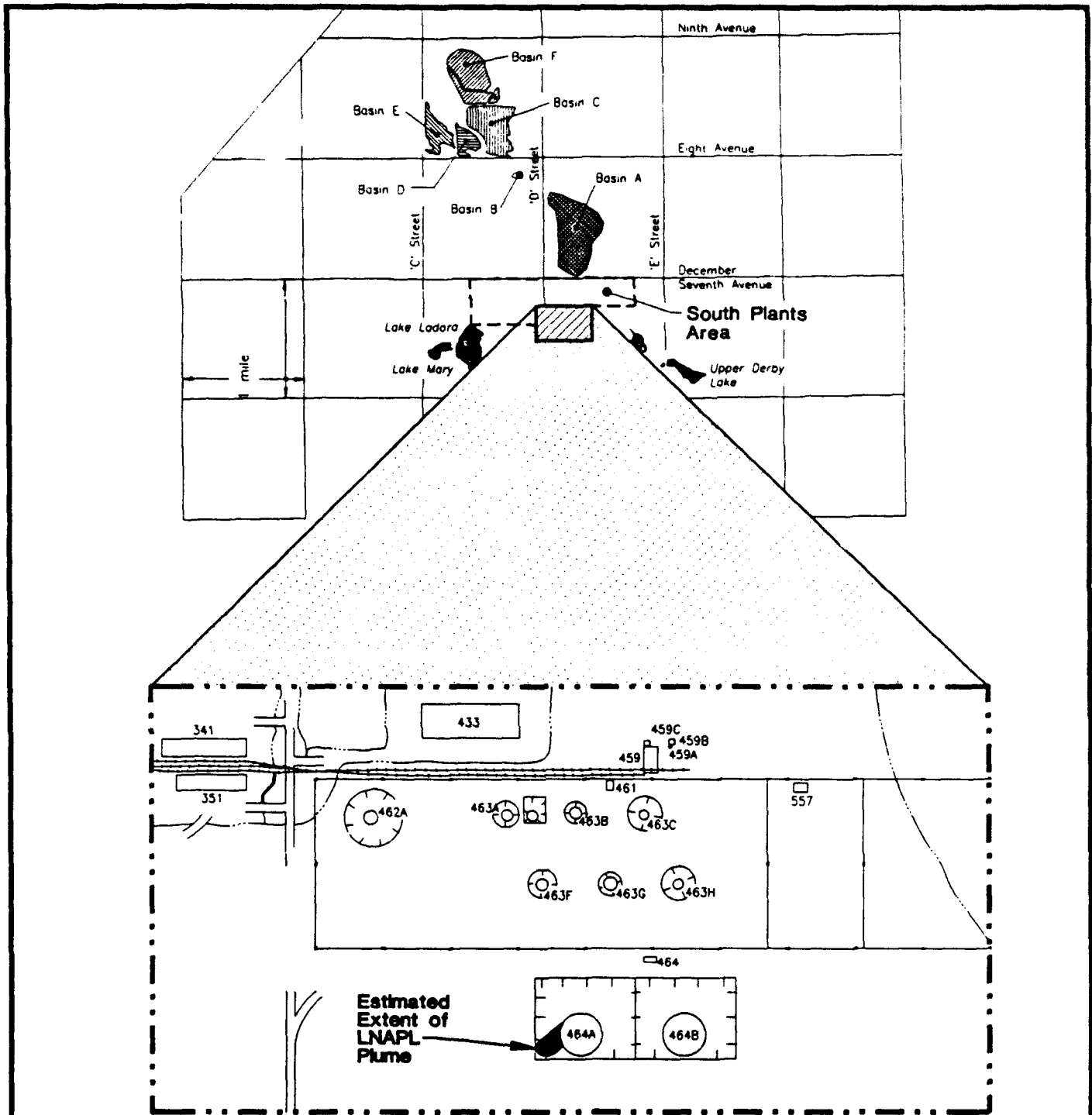
**ROCKY MOUNTAIN ARSENAL
South Tank Farm Study Area**

Figure 1

STTP Area Location

Map





north

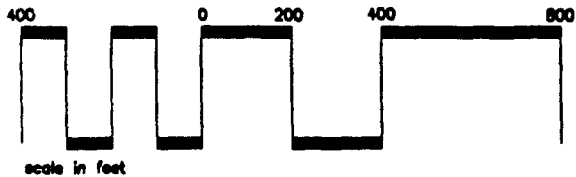


Figure 2

LNAPL Plume Location Map

Prepared by:



MORRISON KNUDSEN CORPORATION
ENVIRONMENTAL SERVICES GROUP

2.0 GROUNDWATER SAMPLING AND ANALYSIS

Groundwater samples were collected from 46 monitoring wells in the STFP area (Figure 3). Samples were collected according to EPA guidelines and sampling procedures. Groundwater samples were analyzed for the five target compounds of the STFP (benzene, toluene, xylene, DCPD, and BCHPD).

The sampling order was governed by well location and historical contaminant levels. Wells were sampled sequentially, beginning with wells of lowest historical contaminant concentrations, progressing to wells with higher levels, and ending with wells having the highest concentrations located within the South Tank Farm area. This sampling sequence (Table 1) and standard sampling equipment decontamination procedures were followed to minimize cross-contamination between samples. In addition, dedicated equipment was used for sampling wells with historically high concentrations, further minimizing the possibility for sample cross-contamination.

Static water levels were measured prior to sampling each well. Based on observed water levels, well casing volumes were calculated. If wells did not dewater, three casing volumes of water were purged from each well prior to sampling. To minimize the loss of volatile compounds, either a stainless steel pump with a teflon bladder or stainless steel submersible pump was used to purge the wells and collect groundwater samples. For wells yielding only a small volume of water, a bottom-filling stainless steel or teflon bailer was used to purge the well and collect groundwater samples. As wells were purged, the groundwater pH, temperature, electrical conductivity, and DO levels were measured.

DO concentrations were measured using a YSI Model 51B DO meter with a temperature compensated electrode. To isolate the sample

from the atmosphere until the analysis was complete, a sampling bucket was continuously filled from the bottom using the pump discharge hose. DO measurements were taken by placing the electrode at the bottom of the sampling bucket. In addition, a spectrophotometer was used to collect duplicate DO measurements for several wells.

Water samples were collected in three 40-ml vials. Samples were stored and shipped in coolers packed with styrofoam and blue ice to maintain sample temperature at approximately 4°C. Analyte concentrations were measured by an off-post contract laboratory using USATHAMA Method UU-8 for volatile compounds.

The number of field QA/QC samples was approximately 25% of the total number of routine groundwater samples collected. These samples included 4 duplicate samples, 5 duplicate samples preserved with HCl, 1 matrix spike, 1 field blank, and 3 rinse blanks. In addition, a trip blank accompanied each set of samples sent to the laboratory. Field and laboratory QC data were reviewed by MK-Environmental Services to verify the quality of the data. Laboratory QC data have not yet been reviewed by RMA-PMO, due to time constraints for issuing this report. The laboratory QC data will be reviewed by the RMA-PMO.

Upon the completion of the well sampling program, static water level measurements were collected to establish the current hydrogeologic conditions.

Table 1


Groundwater Monitoring Well Sampling Sequence

<u>Well Number</u>	<u>Concentration Level</u>	<u>Recent Concentrations of C₆H₆ and DCPD (ug/l)</u>
01049	low	bcrl, bcrl
01581	low	bcrl, bcrl
01580	low	bcrl, bcrl
01586	low	bcrl, bcrl
02508	low	bcrl, bcrl
02512	low	bcrl, bcrl
02511	low	bcrl, bcrl
02596	low	bcrl, bcrl
02509	low	bcrl, bcrl
02510	low	bcrl, bcrl
02598	low	bcrl, bcrl
02507	low	bcrl, bcrl
02581	low	bcrl, bcrl
02579	low	bcrl, bcrl
02578	low	13, bcrl
02505	low	10, bcrl
02506	low	13, bcrl
02577	low	38, bcrl
02574	low	bcrl, 5.5
02582	low	bcrl, 6.6
02572	low	bcrl, 20
02580	low	21, 8.7
01547	low	65, bcrl
02575	medium	300, bcrl
02504	medium	500, bcrl
01578	medium	200, 14
01579	medium	160, 28
01537	medium	5.9, 800
02585	medium	1000, bcrl
02576	medium	9000, bcrl
02503	medium	9000, bcrl
02502	high	30,000, bcrl
02501	high	40,000, bcrl
02583	high	20,000, 19
01535	high	60,000, 110
01588	high	40,000, 160
01559	high	80,000, 160
02562	high	200,000, 88
01552	high	400,000, 160
01554	high	800,000, 29
01534	high	800,000, 54
01533	high	800,000, 160
01540	very high	2,000,000, 18
01541	very high	2,000,000, 38
01539	very high	2,000,000, 110
01565	very high	2,000,000, 70,000

bcrl = Below Certified Reporting Limit

Legend

- Well Location
- Sampled Well Location
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- - - Drainage
- - - Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- ⊕ Berm
- Well Identification


north


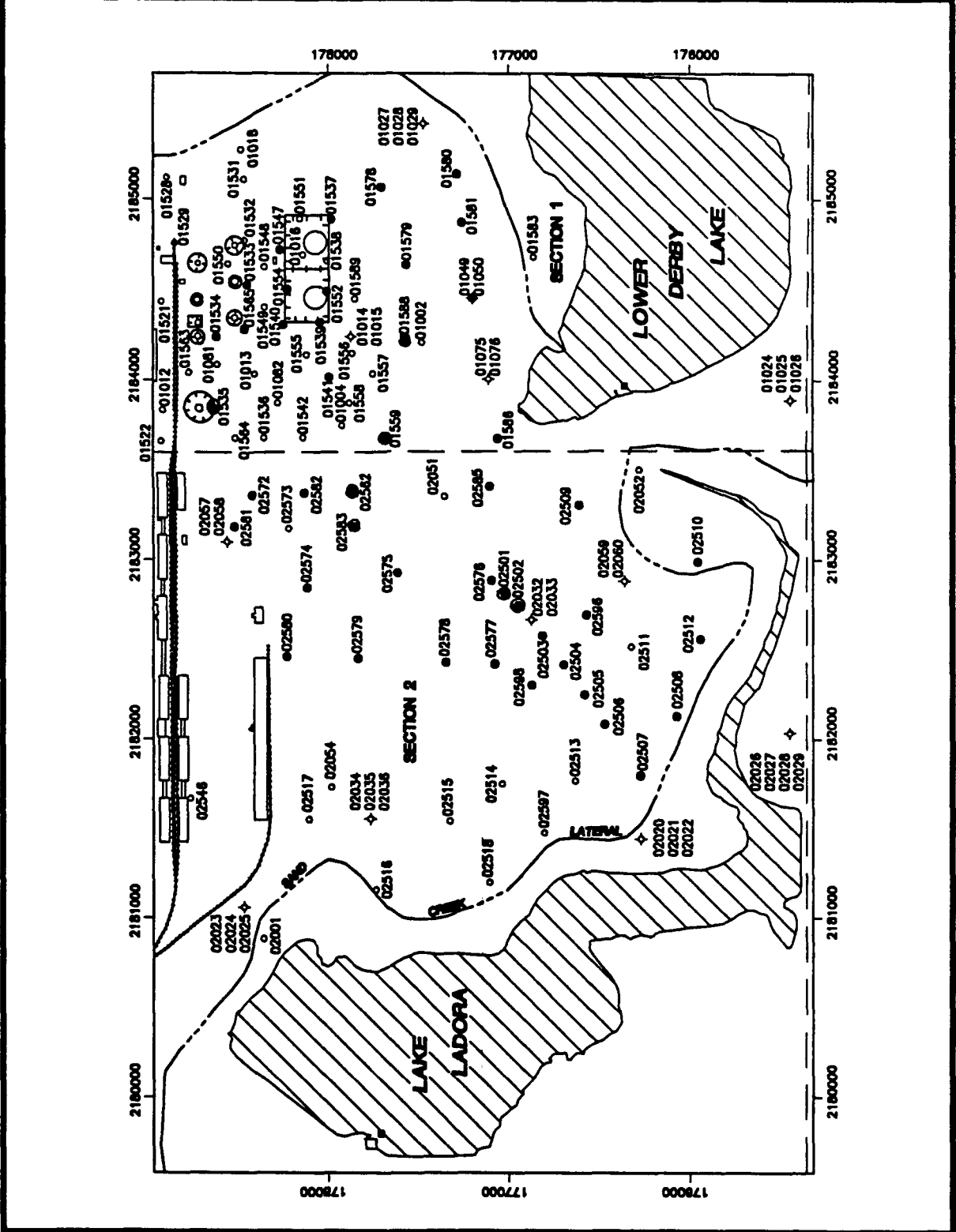
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ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area

Figure 3

MONITORING WELLS SAMPLED
 Fall 1990

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3.0 RESULTS AND INTERPRETATION

3.1 HYDROLOGY

The STFP is located in the unconfined flow system in the South Plants area. This aquifer, consisting of an upper alluvial unit which is underlain by the Denver Formation, has been defined as the uppermost water-bearing zone (WBZ1) (Ebasco 1989). The uppermost portion of the Denver Formation (ranging from 4 to 20 feet) is weathered. The base of the aquifer is defined by the transition between weathered and unweathered sediments in the Denver Formation.

The water table within the South Plants area exists in either the alluvial unit or the weathered portion of the Denver Formation. Between the South Tank Farm and Well 02507, the water table is located in the weathered Denver Formation and the alluvial unit is unsaturated. The saturated thickness of the aquifer in this area ranges from 10 to 25 feet.

The water table occurs in the alluvium in the northwestern and southeastern portions of the study area, and along the edge of Lake Ladora and Lower Derby Lake (Figures 4 and 5). The saturated thickness of WBZ1 along Lake Ladora ranges from 20 to 40 feet.

Water levels have not changed significantly since Spring 1990 (Figures 4 through 7). Near the South Plants, the water table elevation has decreased between 0.5 to 1.5 feet (Figure 8). Water levels in wells northwest of Lower Derby Lake have increased (Figure 9), while those in wells directly north of the lake have decreased slightly (Figure 10). The changes in water level near Lower Derby Lake may have been caused by the spillway and embankment construction activities (e.g., lowering of Lower Derby Lake during construction). However, it does not appear as

if the new spillway has affected the overall hydrogeology in the South Tank Farm area. This is indicated by water levels in wells near Lake Ladora, which have not changed (Figure 11).

There are two components of groundwater flow influencing the STFP. The primary flow direction is from the South Tank Farm heading southwest toward Lake Ladora (Figure 12). The second component is from the South Tank Farm to the south-southeast in the direction of Lower Derby Lake. The groundwater flow within the southwest component north of the Lower Derby Lake dam is sharply deflected to the southwest. The observed flowpaths are due to Lower Derby Lake recharging the aquifer, and deflecting flow away from the lake.

The hydraulic gradient within the weathered Denver Formation from the South Tank Farm area toward Lake Ladora varies along the southwest flow component. The hydraulic gradient ranges from approximately 0.013 ft/ft within the tank farm to less than 0.005 ft/ft near Well 02507. On average, the hydraulic gradient northeast of Well 02576 is approximately 0.015 ft/ft, and southwest of the well it is approximately 0.005 ft/ft.

The hydraulic gradient within the saturated alluvium along the southwest component of groundwater flow, near Lake Ladora, is approximately 0.002 ft/ft.

3.2 GROUNDWATER QUALITY

The results of groundwater analyses are presented in the Appendix. The following sections discuss the analytical and field water quality measurement results in detail.

3.2.1 Results of Laboratory and Field QA/QC

The field QC sample analyses indicate the laboratory provided reproducible data, but that sample collection procedures resulted in potential sample cross-contamination. However, due to the sampling sequence cross-contamination has not affected the final results.

Analytical results of the trip blanks indicate low benzene concentrations (2.6 to 21 ug/l) associated with samples obtained within the South Tank Farm. Groundwater samples near the tanks generally had concentrations of benzene exceeding 100,000 ug/l, therefore, the amount of contamination in the trip blanks is considered insignificant. For samples collected in other areas, target analytes were not detected in the trip blanks.

No contaminants were detected in the field blank.

Eight of the nine duplicate samples collected indicate the laboratory generally provided reproducible data (Table 2). The duplicate sample for Well 02585 had a benzene concentration of 9,000 ug/l as opposed to no detection in the original sample. Spring 1990 results for Well 02585 also show no detection of benzene. This most likely indicates laboratory cross-contamination during sample analysis, however, analysis of the data indicates this is an isolated case.

Rinse blanks were collected after decontaminating equipment used to sample Wells 01554, 02577 and 02585. Wells 02577 and 02585 are located in an area where target analyte detections have not occurred. Target analytes were not detected in the rinse blank from Well 02577. Benzene was detected (9.4 ug/l) in the rinse blank from Well 02585. Well 02585 was sampled after Well 01537, neither of which had a benzene detection, and the rinse blank was analyzed after the duplicate sample for Well 02585. The

combination of both the duplicate and rinse blank samples yielding benzene concentrations indicate the detection of benzene is due to laboratory cross-contamination.

The rinse blank from Well 01554 had a significant concentration of benzene (<20,000 ug/l). The concentration of benzene in the groundwater sample for this well was 400,000 ug/l. The benzene detection in the rinse blank is most likely due to incomplete decontamination of the sampling equipment. At high concentrations, decontamination of sampling equipment is difficult. For this reason, dedicated equipment was used to collect samples from wells with historically high concentrations. However, because the sampling sequence was adhered to, cross-contamination of groundwater samples caused by incomplete decontamination did not affect the analytical results. For example, benzene concentrations in wells sampled after Well 01554 were one to two orders of magnitude greater than the concentration detected in the rinse blank and several times greater than the concentration in the sample, therefore, cross-contamination is mitigated by the higher sample concentrations.

3.2.2 Groundwater Quality Field Measurements

Groundwater pH in the STFP area ranges from 6.6 to 8.4 and averages 7.4. Groundwater temperatures range from 49 to 64°F and average 57°F. The pH range is consistent with the observed range during Spring 1990 sampling. In general, temperatures were slightly higher than during Spring 1990 sampling. Conductivity measurements range from 490 to 4000 umhos/cm. The range of measured conductivities and the areal distribution are consistent with those observed during Spring 1990 (Table 3).

DO concentrations ranged from 1.3 to 6.2 mg/l. DO concentrations are slightly lower than those measured in the Spring of 1990, but indicate consistent distribution when compared with previous results. This decrease may be due to the lack of infiltration and recharge of oxygenated water during Lower Derby Lake spillway construction. The water temperature was slightly higher than in the spring and this also may contribute to the observed decrease in DO levels. In addition, the technique used for measuring DO levels may introduce variability into the results.

Low levels of DO occur where total STFP compound concentrations are high (Figures 13 and 14). Where STFP compound concentrations are lower, the DO levels increase. The correlation between total BTX concentrations and DO levels is shown in Figure 15. The profile of DO and BTX concentrations along the axis of the STFP, and parallel to the primary groundwater flow direction is shown in Figures 16 and 17. These figures show the inverse correlation between DO levels and BTX concentrations as they relate to the STFP. These results indicate biodegradation may be occurring along the perimeter of the STFP, where DO levels exceed 1-3 mg/l.

3.2.3 Distribution of STFP Compounds

The areal distribution of the STFP compounds in Spring 1990 are displayed on Figures 18 through 22, and the distributions for Fall 1990 are shown on Figures 23 through 27. The characteristics and details of the STFP compound distributions, and comparisons between the spring and fall data are discussed below.

Groundwater flow direction is influenced by major hydrologic features in the area, such as the lakes and the groundwater mound in the South Plants. The influence of Lower Derby Lake on groundwater flow direction and contaminant distribution is

evident from the sharply deflected area of the benzene plume northwest of the lake. Groundwater flow direction influences the distribution of toluene, xylene and DCPD towards the southeast, in the direction of Well 01578 and cluster Well 01027, and shows the radial flow of groundwater water away from the South Tank Farm.

A spill of benzene was reported to have occurred within the South Tank Farm in 1948, several years before BChPD/DCPD leaks or spills occurred (Shell 1990a). The distribution of benzene within the STFP is evidence that it has been present longer than the other STFP compounds. Benzene also has a higher aqueous solubility and mobility in groundwater than the other STFP constituent compounds (Ebasco 1988 and Stuber 1988). This is evident from the areal distribution of the STFP compounds, where benzene exhibits the highest concentrations and greatest areal extent. Due to its larger areal distribution, as compared to the other STFP compounds, benzene defines the leading edge of the STFP extending southwest from the South Tank Farm in the direction of Lake Ladora. The leading edge of the benzene plume toward Lake Ladora is located slightly downgradient of Well 02504, between Wells 02504 and 02505. The benzene concentration in Well 02504 has decreased since last sampled (from 500 to 3.9 ug/l). This indicates either cross-contamination during Spring 1990 sampling of Well 02504, or biodegradation is controlling the advancement of the STFP along the leading edge of the plume. Benzene was not detected at levels exceeding reporting limits in wells located between 600 and 1100 feet upgradient from Lake Ladora, and along the primary groundwater flow direction. In addition, wells within 500 feet of Lake Ladora (02507 through 02510, and 02512) did not have benzene detections.

The south-southeastern component of the STFP migrates from the South Tank Farm in the direction of Lower Derby Lake. DCPD is the most widely distributed of the five target compounds within

the south-southeastern component. The leading edge of the STFP migrating in the direction of Lower Derby Lake is defined by the DCPD plume. The leading edge of this portion of the plume is located upgradient of Wells 01049, 01580 and 01581. These wells are approximately 350 feet upgradient of Lower Derby Lake. Because Lower Derby Lake is an aquifer recharge source, the STFP is diverted away from the lake.

In general, the highest concentrations of the target compounds were found in wells near the South Tank Farm. In particular, the wells which are adjacent to Tanks 462B, 463F, 463G, and 464A have historically shown high concentrations, and this trend continues to be consistent. Overall, the highest concentrations have been measured in the wells near Tank 464A.

Samples with high concentrations, such as those from wells within the South Tank Farm, need to be diluted for analytical measurements to be performed. When samples are diluted the reporting accuracy of Class 1A Methods decreases from two to one significant figures (Army 1989). Concentrations reported for Spring 1990 were above the solubility of benzene (1800 mg/l or 1,800,000 ug/l) for Wells 01539, 01540, 01541, and 01565. Fall 1990 results only show Well 01565 with a benzene concentration exceeding the solubility limit. The concentrations which appear to exceed benzene solubility may actually be due to rounding errors in reporting, as opposed to the presence of free product.

Table 2
Results of Duplicate Sample Analysis

<u>Well Number</u>	<u>Sample Concentration (ug/l)</u>	<u>Duplicate Concentration (ug/l)</u>
01552	80,000 (Benzene)	80,000 (Benzene)
	9,000 (Toluene)	9,000 (Toluene)
02503	9,000 (Benzene)	10,000 (Benzene)
02504	3.9 (Benzene)	4.0 (Benzene) ¹
02505	<2.7 (Benzene)	<2.7 (Benzene) ¹
02572	<2.7 (Benzene)	<2.7 (Benzene) ¹
02576	50,000 (Benzene)	20,000 (Benzene) ¹
02580	<2.7 (Benzene)	<2.7 (Benzene)
02585	<2.7 (Benzene)	9,000 (Benzene) ¹
02598	<2.7 (Benzene)	<2.7 (Benzene)

1) - Duplicate samples preserved with HCl.

Table 3

Electrical Conductivity Measurements - 1990

<u>Well Number</u>	<u>Ec (umhos/cm)</u>	
	<u>Spring 1990</u>	<u>Fall 1990</u>
01049	490	620
01533	770	700
01534	1220	1320
01535	830	980
01537	350	500
01539	1000	1020
01540	1000	1120
01541	1190	1250
01547	680	810
01552	600	620
01554	990	1000
01559	1800	1790
01565	1725	1840
01578	910	1020
01579	890	950
01580	800	830
01581	700	780
01586	540	640
01588	860	900
02501	1200	1310
02502	1125	1380
02503	2550	3290
02504	3910	3990
02505	3730	3480
02506	3240	3380
02507	3450	3890
02508	560	600
02509	460	550
02510	600	600
02511	590	645
02512	700	720
02562	1740	1500
02572	990	1010
02574	1180	1260
02575	3100	3180
02576	1020	1280
02577	2370	2500
02578	2180	2000
02579	1500	1590
02580	760	900
02581	780	890
02582	1180	1280
02583	1700	1700
02585	525	690
02596	520	610
02598	2680	2680

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- ⊕ Berm

5243 Elevation (ft above MSL)

10' Water Table Contour Line

north

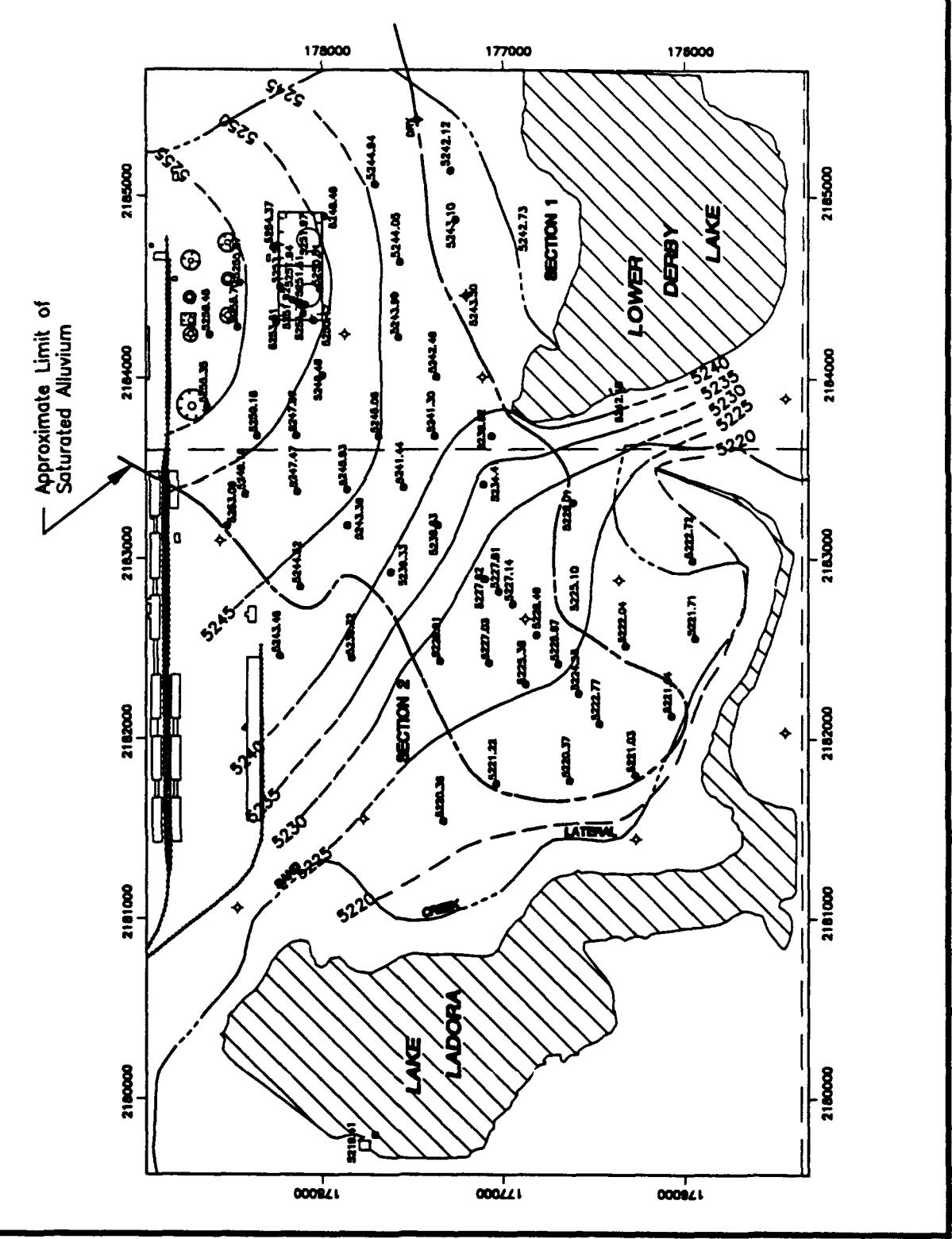
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ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 4


WATER TABLE CONTOUR MAP
Spring 1980

MORRISON-KALDEN CORPORATION
Environmental Services, Inc.
CGN 1174011 Rev. 286 12/17/83



Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- ⊕ Berm
- Water Level Elevation (Ft above MSL)
- - - Contour Interval Dashed where Inferred
- - - Approximate Contours, 1 Foot Interval


north


0 250 500 1000
 FEET

ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area

Figure 5

WATER TABLE CONTOUR MAP
 Fall 1980

 MORRISON KNUDSEN CORPORATION
 ENVIRONMENTAL SERVICES GROUP
 ©ENR 7/17/80 (REV. 12/13/80)

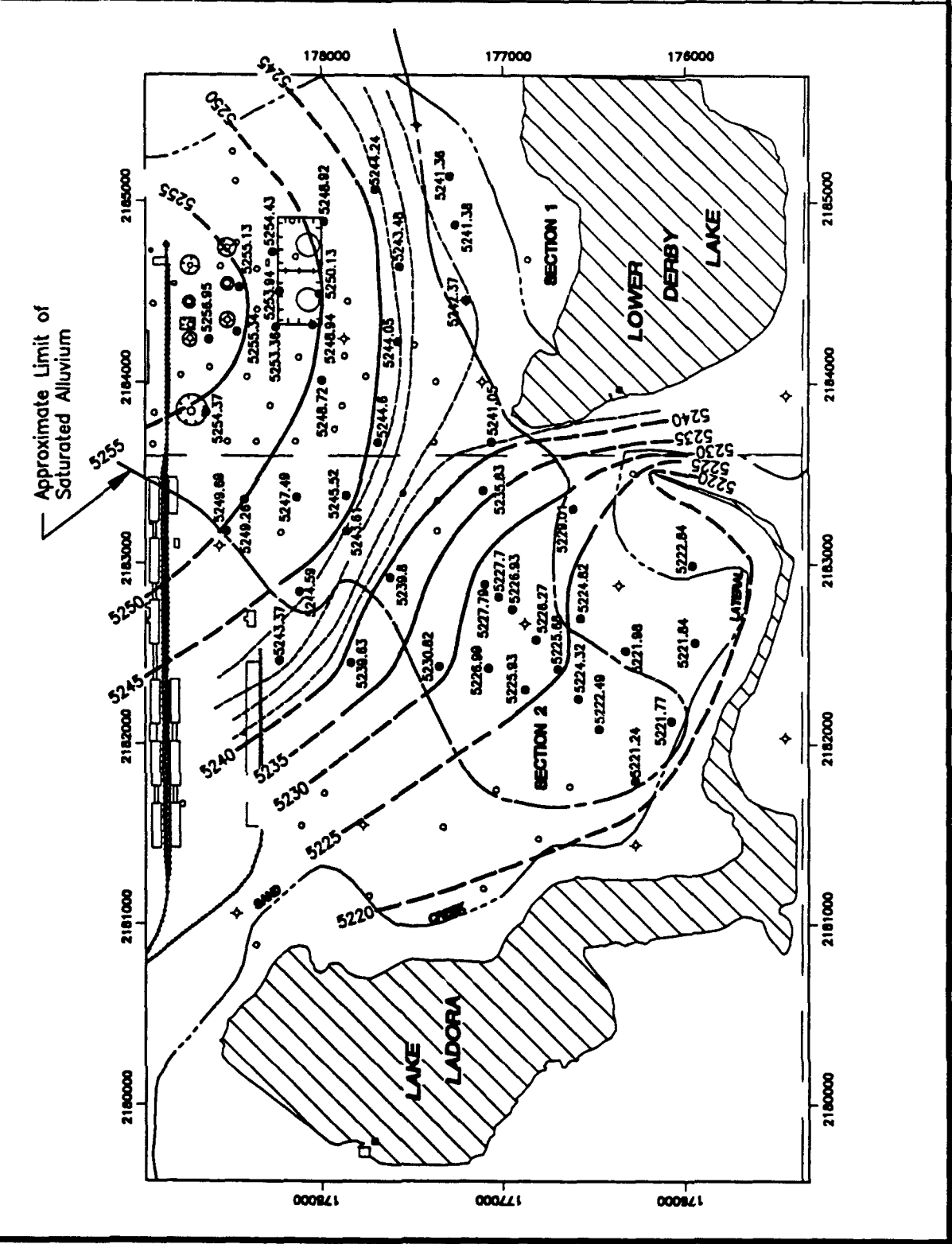
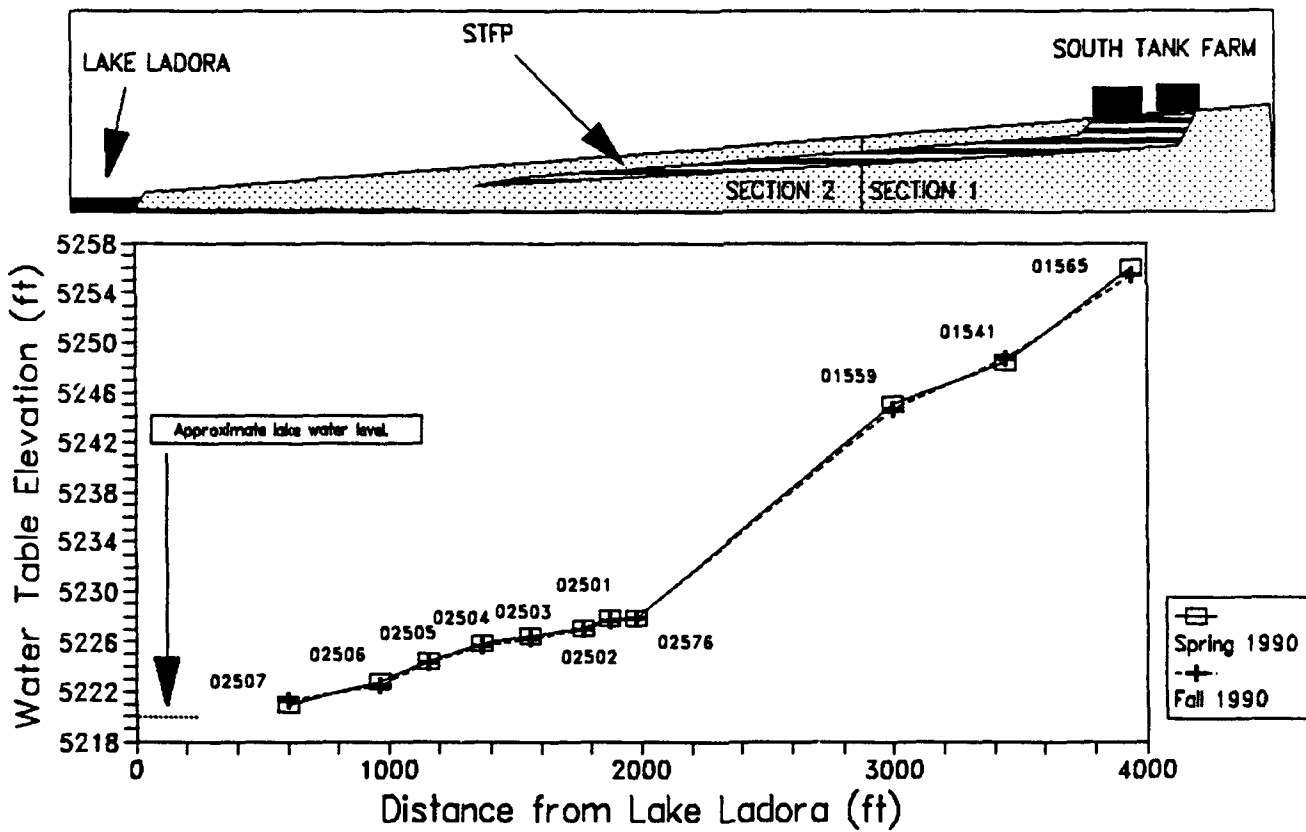


FIGURE 6
 WATER TABLE ELEVATION PROFILE IN THE
 SOUTH PLANTS AREA - 1990



Legend

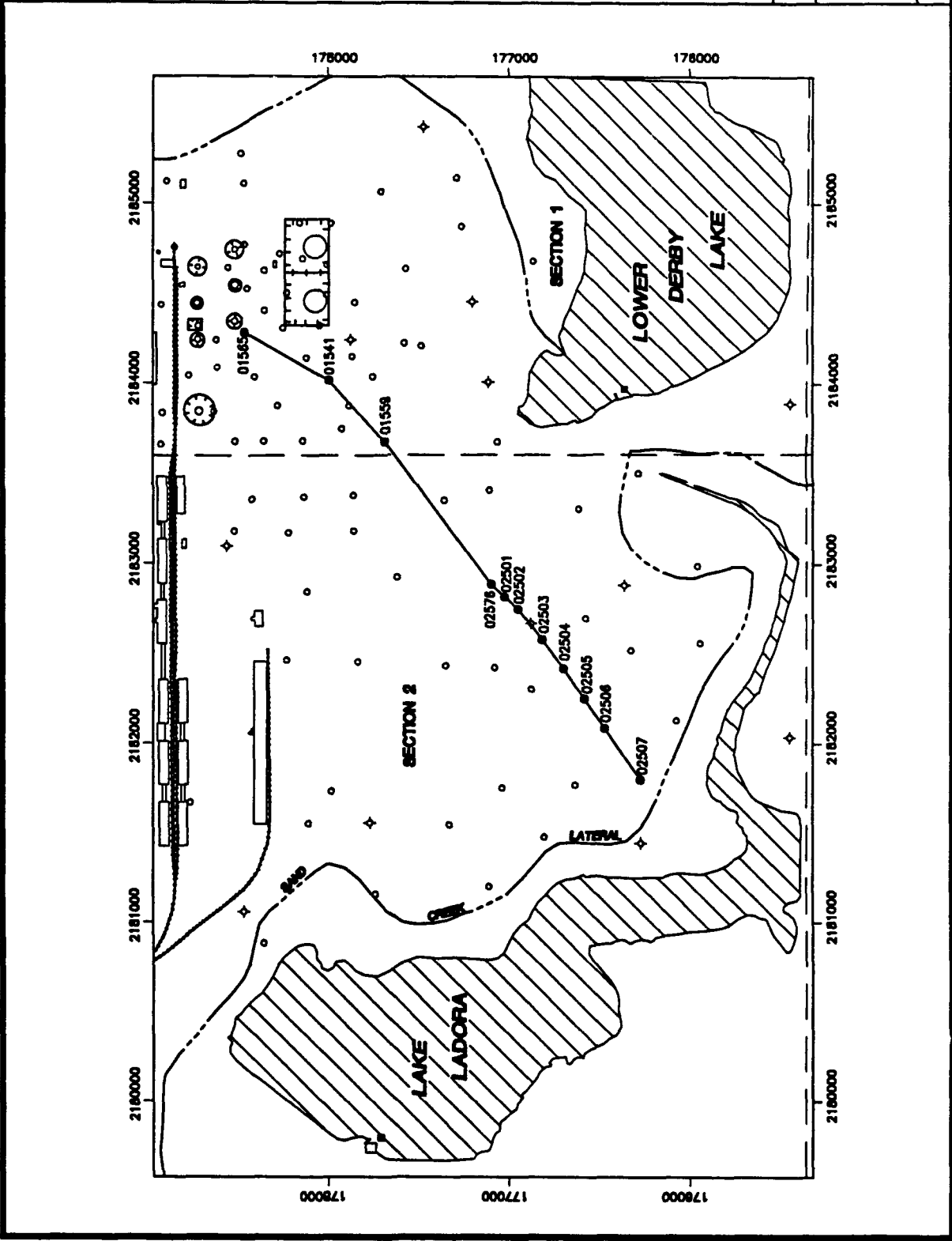
- Well Location
- Sampled Well Location
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- ⊕ Berm
- Well Identification



ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 7

WELLS USED FOR
PROFILE



Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- ⊕ Berm
- Contour Interval Dashed where Inferred
- Approximate Contours, 1 Foot Interval

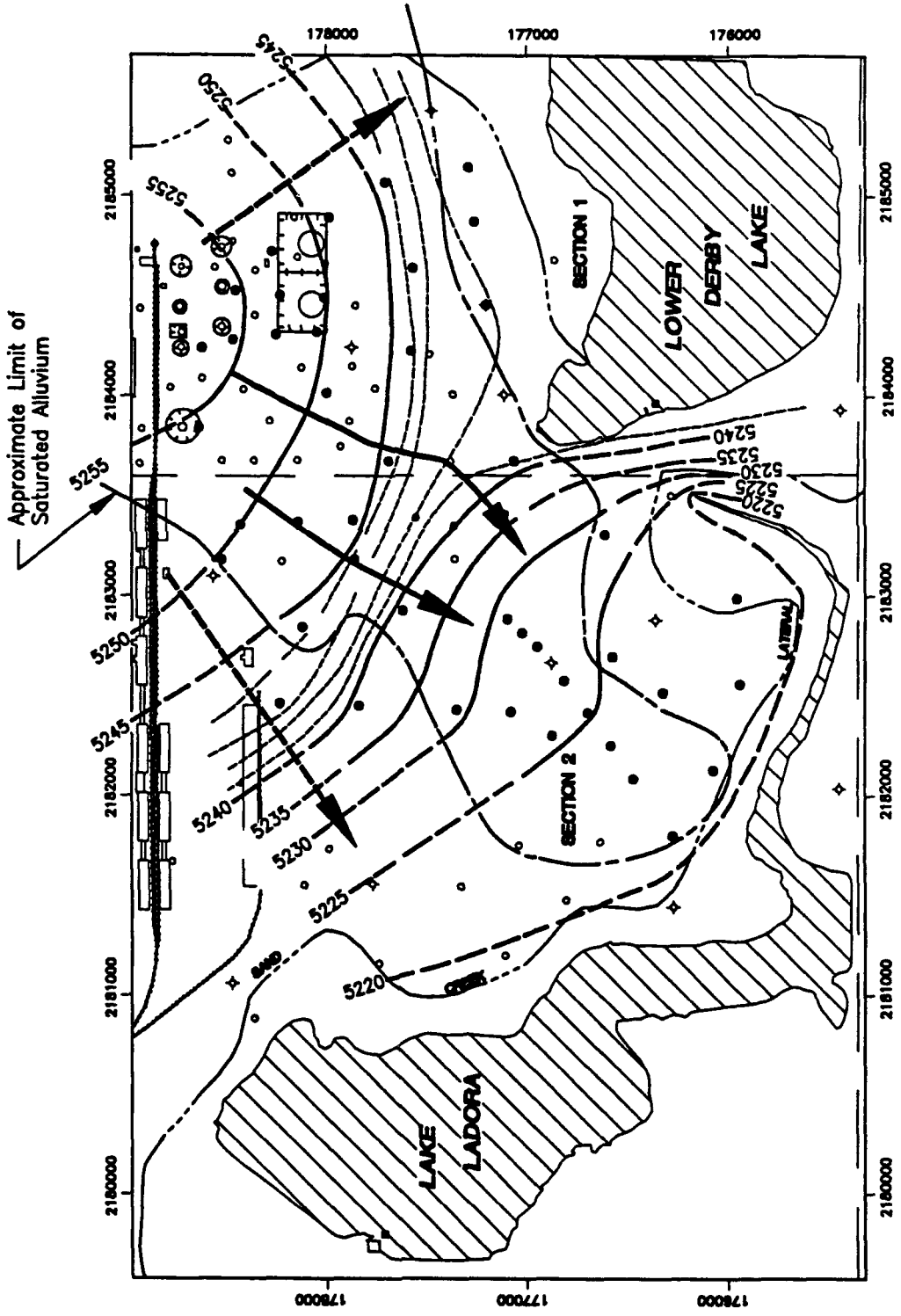


ROCKY MOUNTAIN ARSENAL
South Tark Farm Area

Figure 12

GROUNDWATER
FLOW COMPONENTS
OF THE STPP

MOOREHEAD ENGINEERING CORPORATION
12100 W. 10th Ave., Denver, CO 80231



Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- ⊙ Berm
- Concentration in mg/l
- Isoconcentration Contour
- - - Isoconcentration Contour Dashed where inferred



ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 14

DISSOLVED OXYGEN
CONCENTRATIONS
Fall 1990

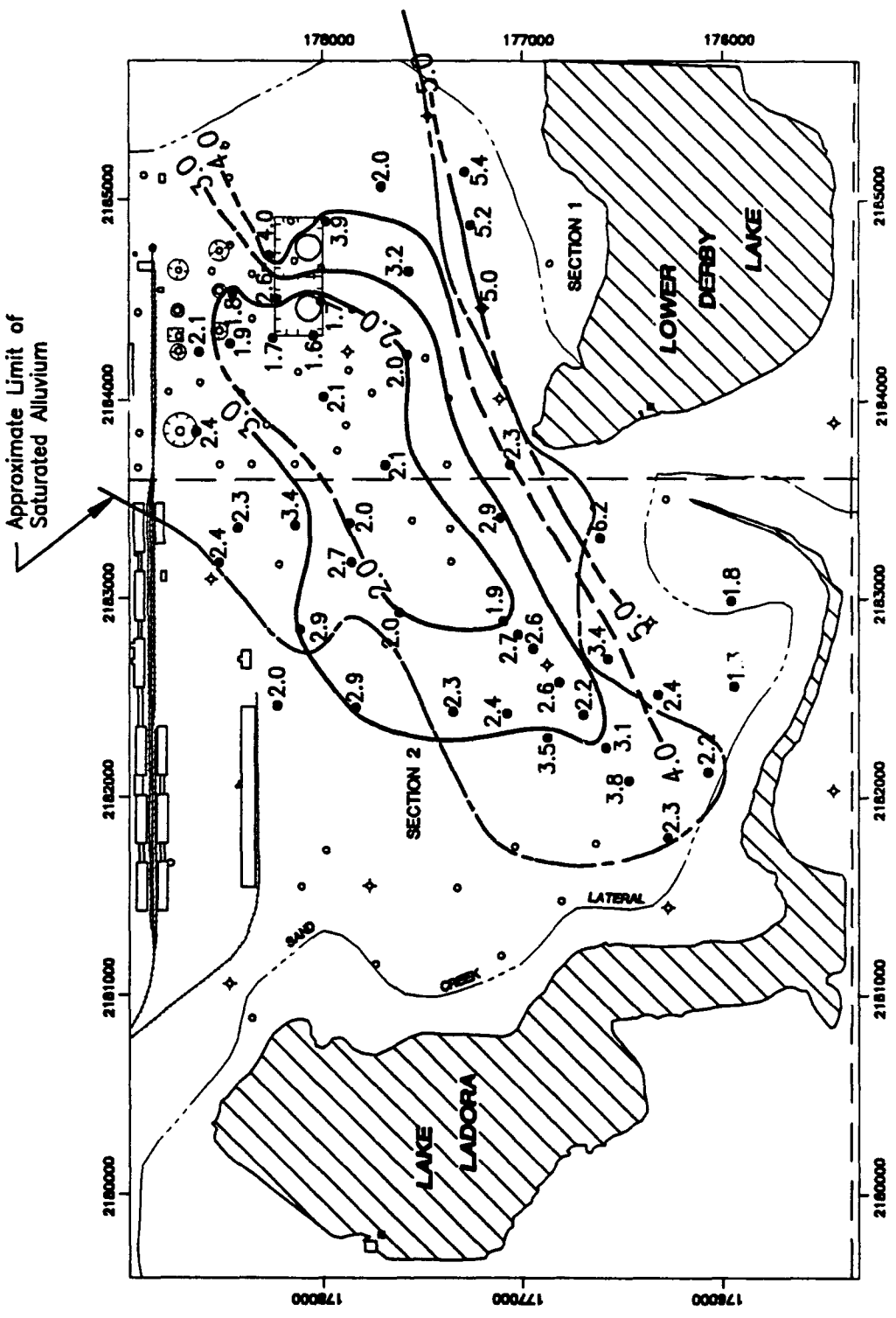


FIGURE 15
COMPARISON OF DISSOLVED OXYGEN AND BENZENE
CONCENTRATIONS IN GROUNDWATER

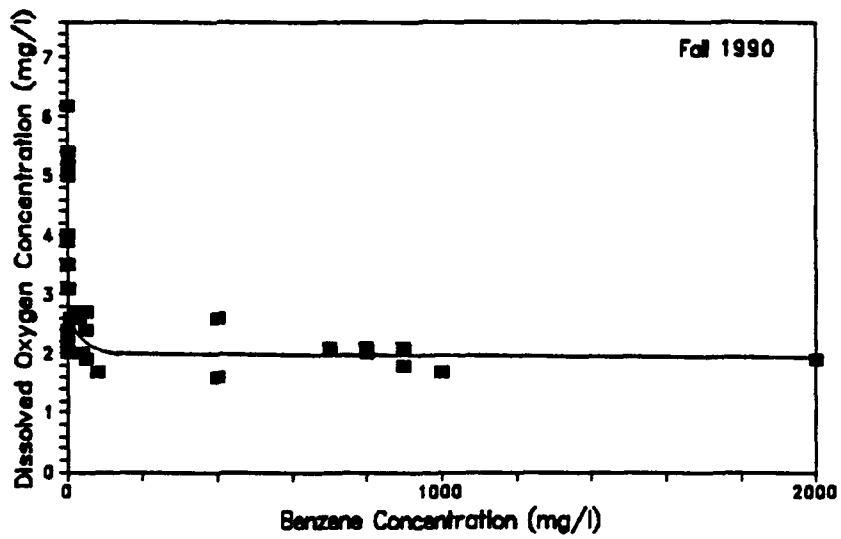
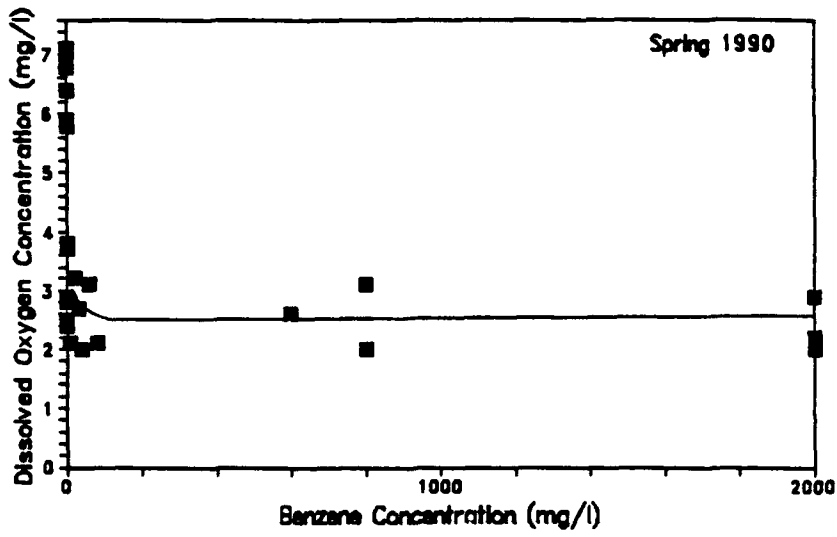


FIGURE 16
 PROFILE OF DISSOLVED OXYGEN AND BENZENE
 CONCENTRATIONS ALONG THE STFP - SPRING 1990

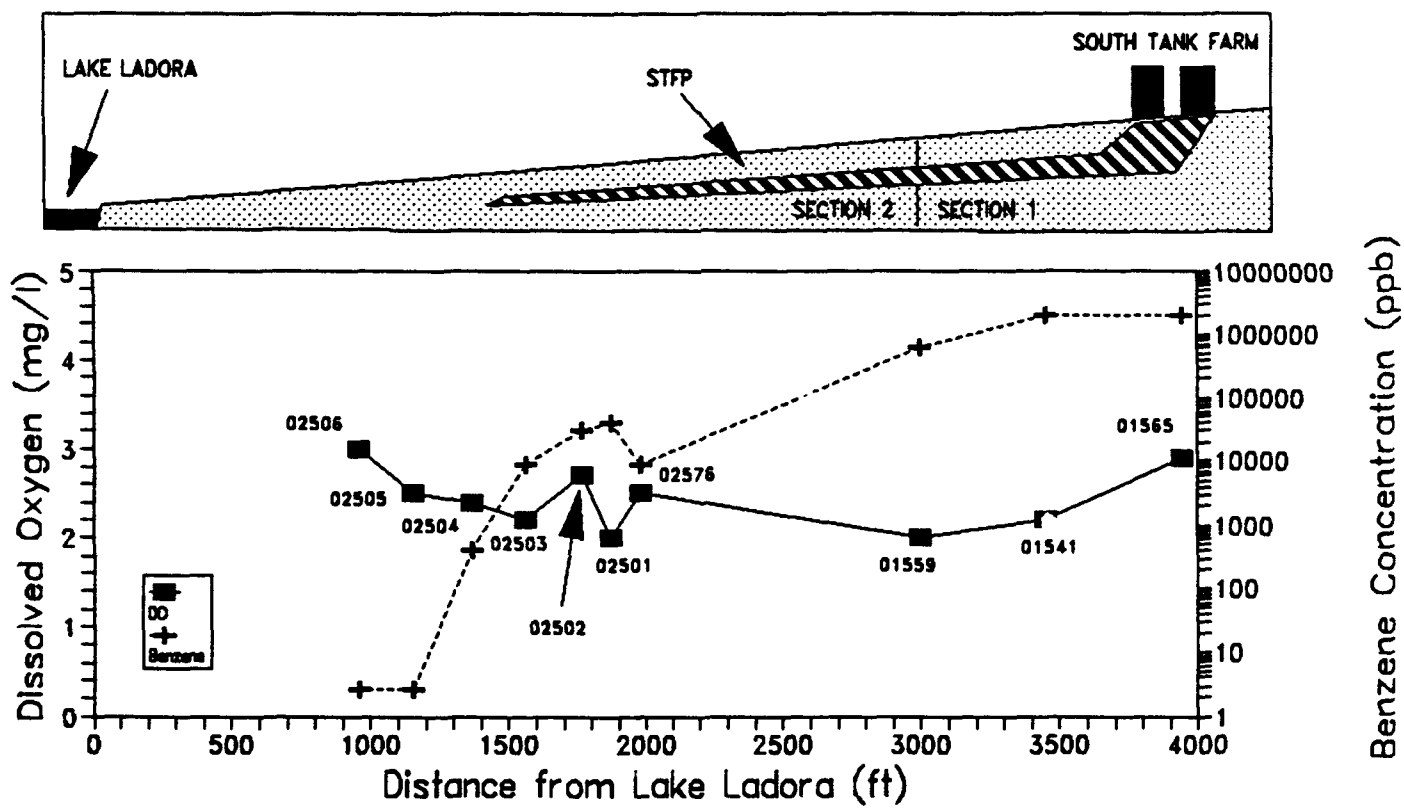
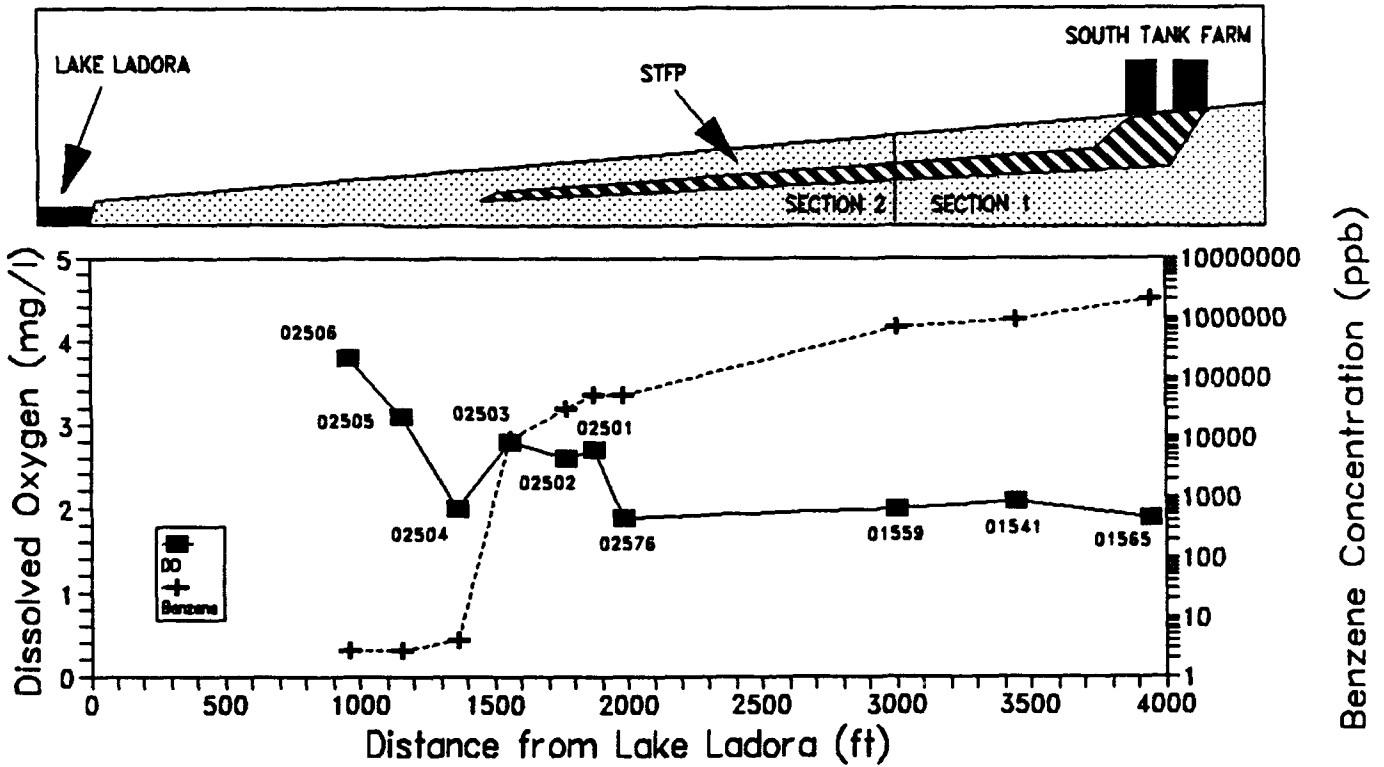
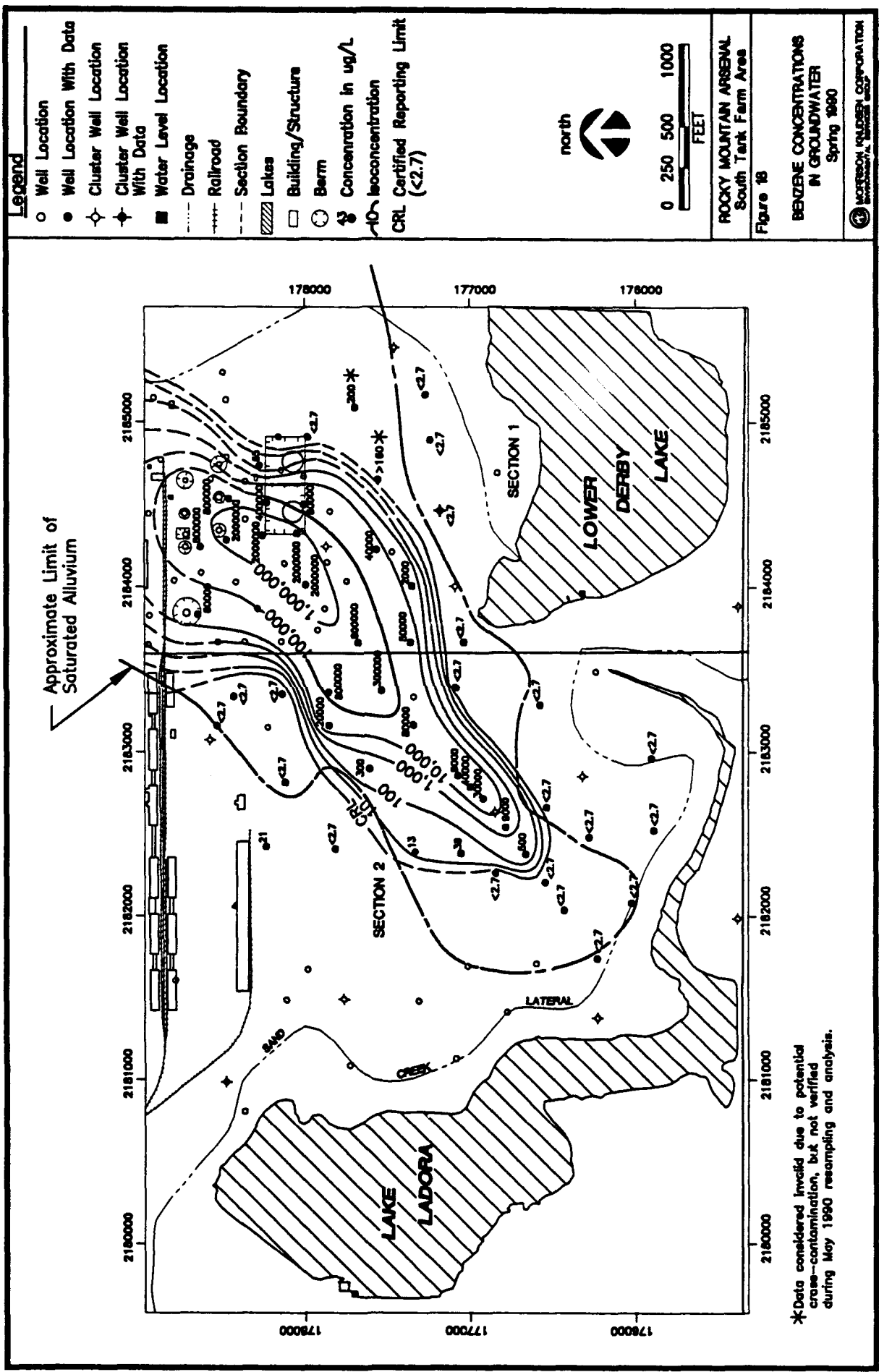


FIGURE 17

PROFILE OF DISSOLVED OXYGEN AND BENZENE
CONCENTRATIONS ALONG THE STFP - FALL 1990





Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- - - Drainage
- - - Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- ⊕ Concentration in ug/L
- ⊕ Concentration
- - - CRL Certified Reporting Limit (<2.7)

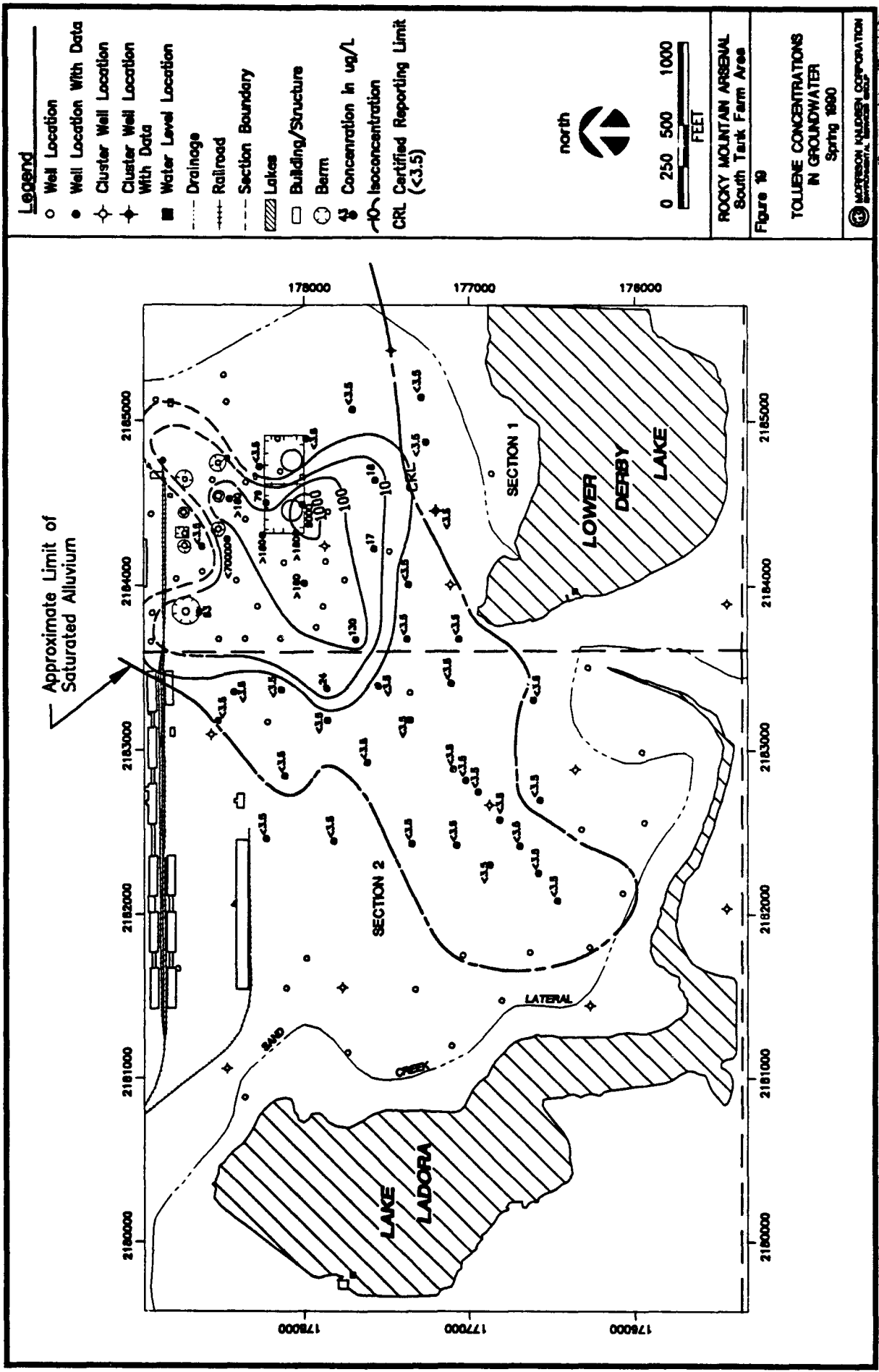


ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 18

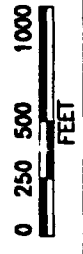
BENZENE CONCENTRATIONS
IN GROUNDWATER
Spring 1990

*Data considered invalid due to potential
cross-contamination, but not verified
during May 1990 resampling and analysis.



Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- ⋯ Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- ⊕ Concentration in $\mu\text{g/L}$
- ⊕ Isocentration
- - - CRL Certified Reporting Limit (<3.5)




ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 10

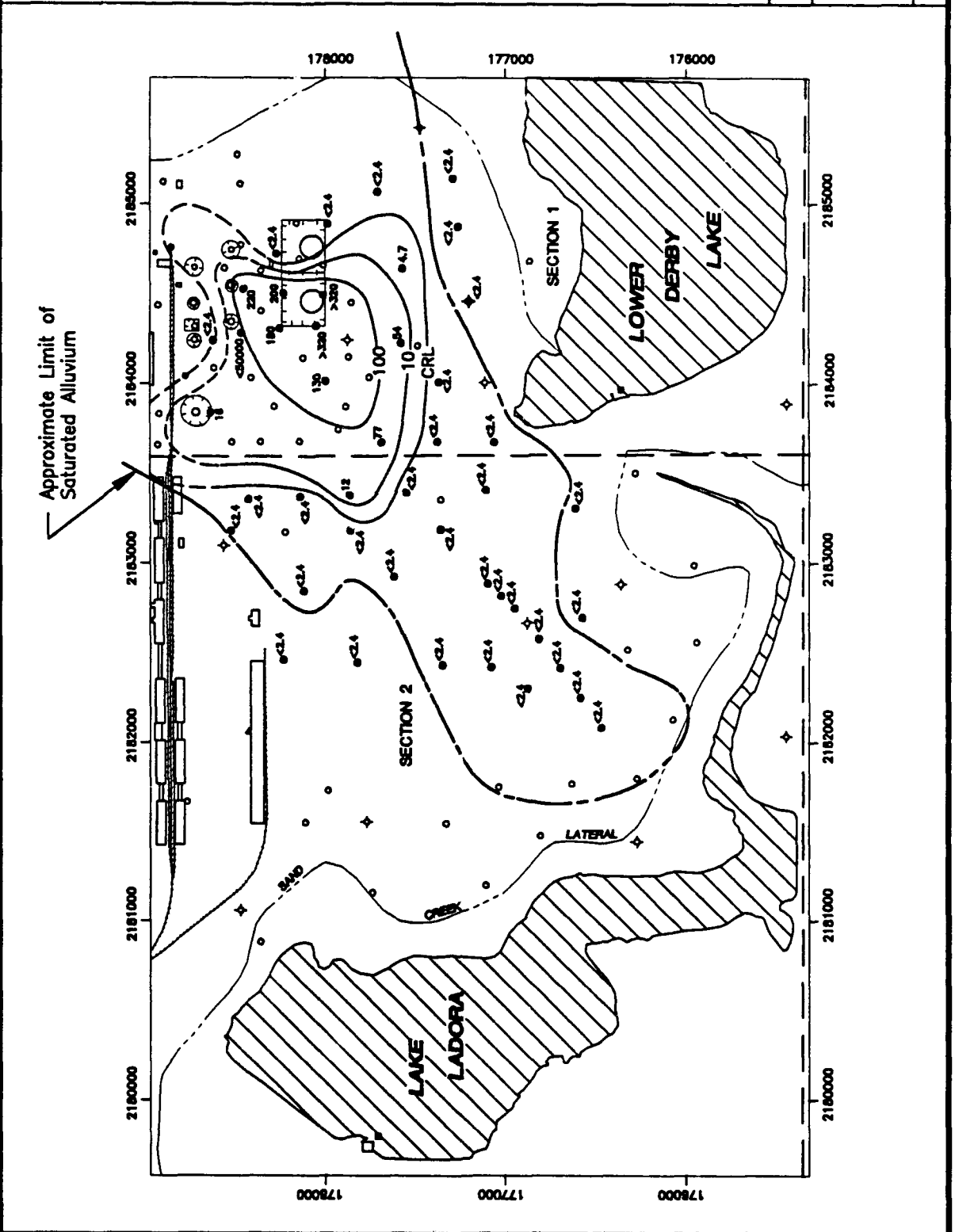
TOLUENE CONCENTRATIONS
IN GROUNDWATER
Spring 1980

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- - - Drainage
- - - Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- ⊕ Concentration in ug/L
- ⊕ Isoconcentration
- ⊕ CRL Certified Reporting Limit (<2.4)

north


0 250 500 1000
 FEET




ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area

Figure 20

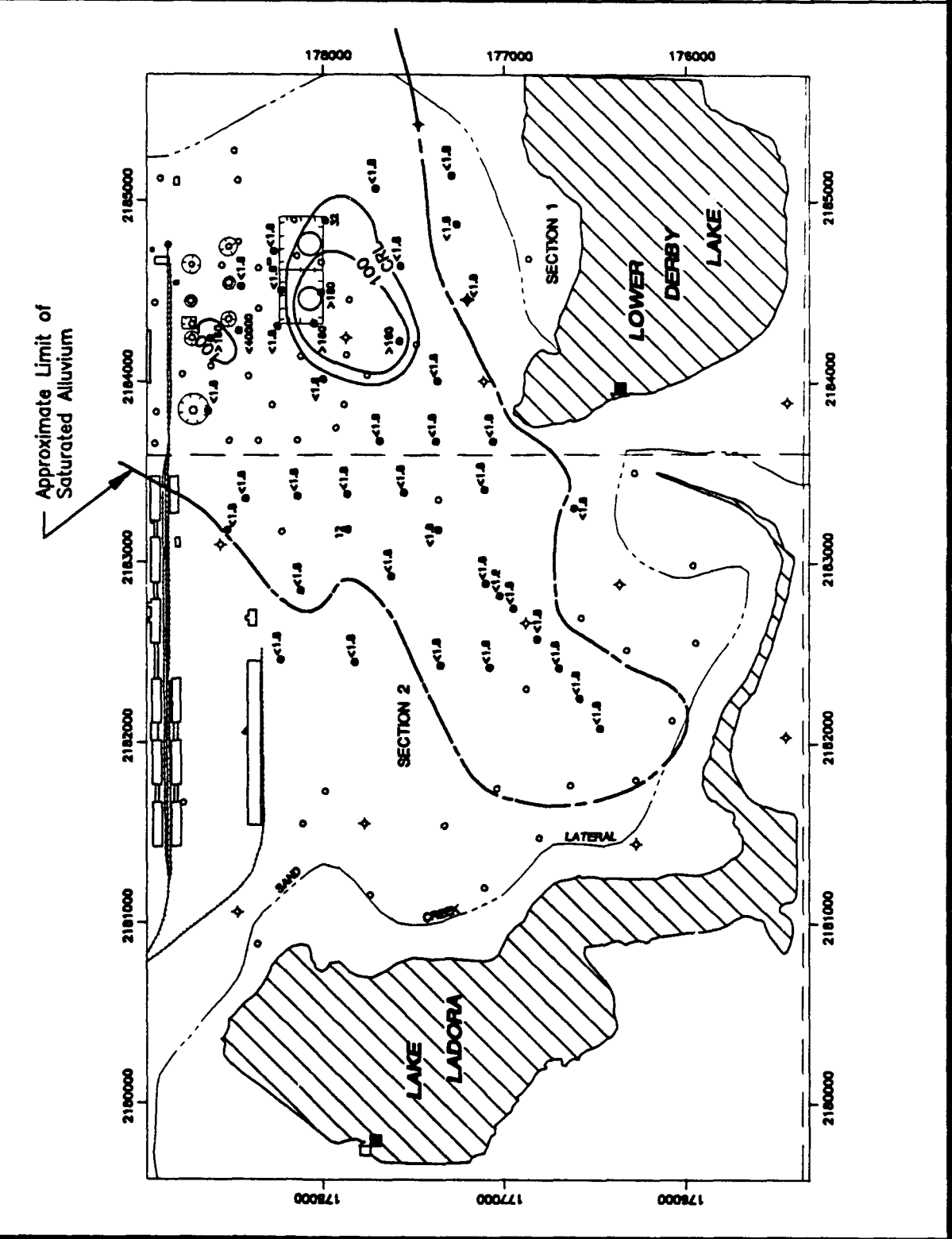
XYLENE CONCENTRATIONS
 IN GROUNDWATER
 Spring 1990

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- ⊕ Concentration in ug/L
- ⊕ Concentration
- ⊕ CRL Certified Reporting Limit (<1.8)

north


0 250 500 1000
 FEET



ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area


Figure 21

BCHD CONCENTRATIONS
 IN GROUNDWATER
 Spring 1990

MOOREHEAD ENGINEERING CORPORATION
 10000 W. 10th Avenue, Suite 100
 Golden, Colorado 80401
 (303) 440-1200

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- 10 Concentration ug/l
- ⤴ Isoconcentration Line
- CRL Certical Reporting Limit (<2.7)

north


0 250 500 1000
 FEET

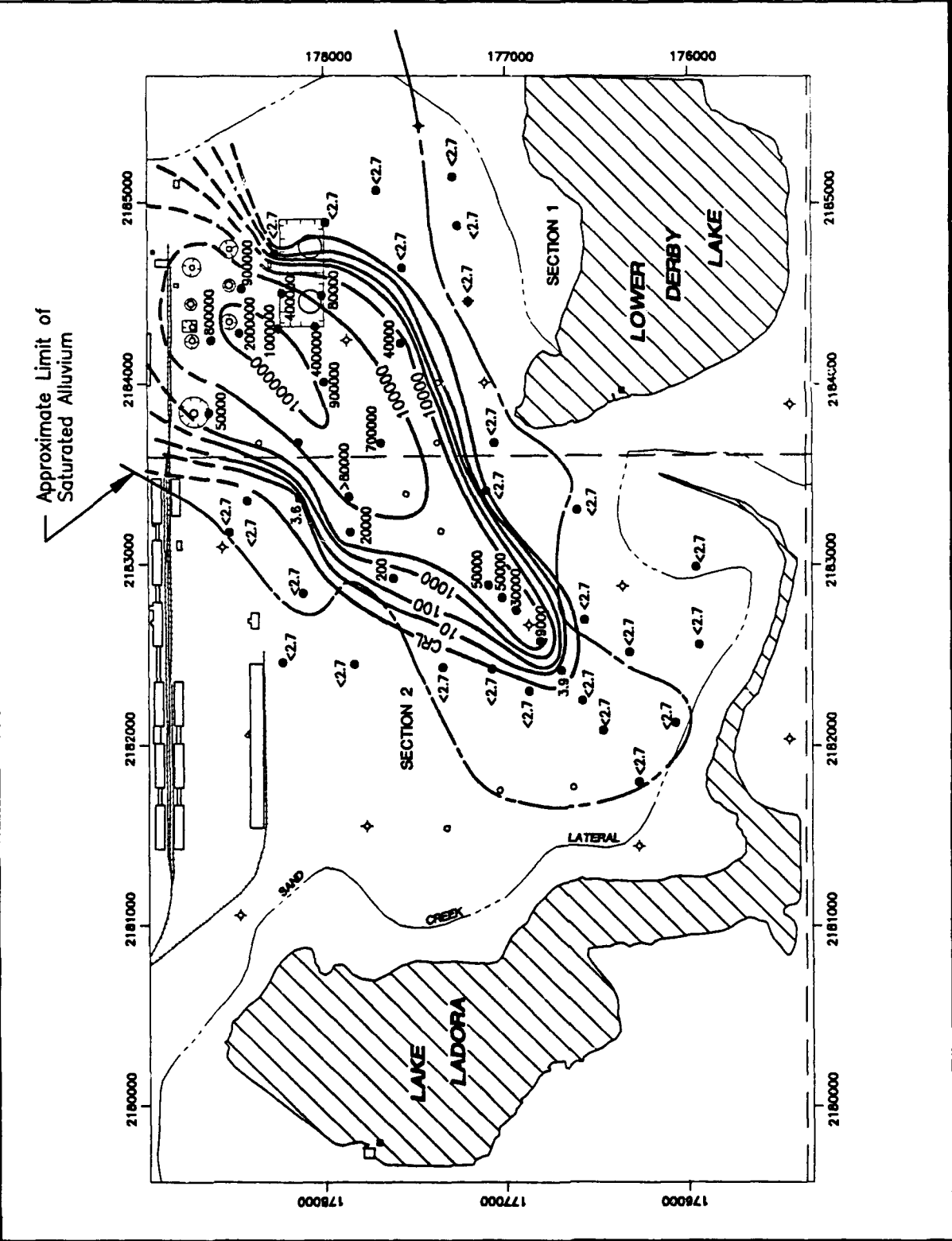



Figure 23

ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area

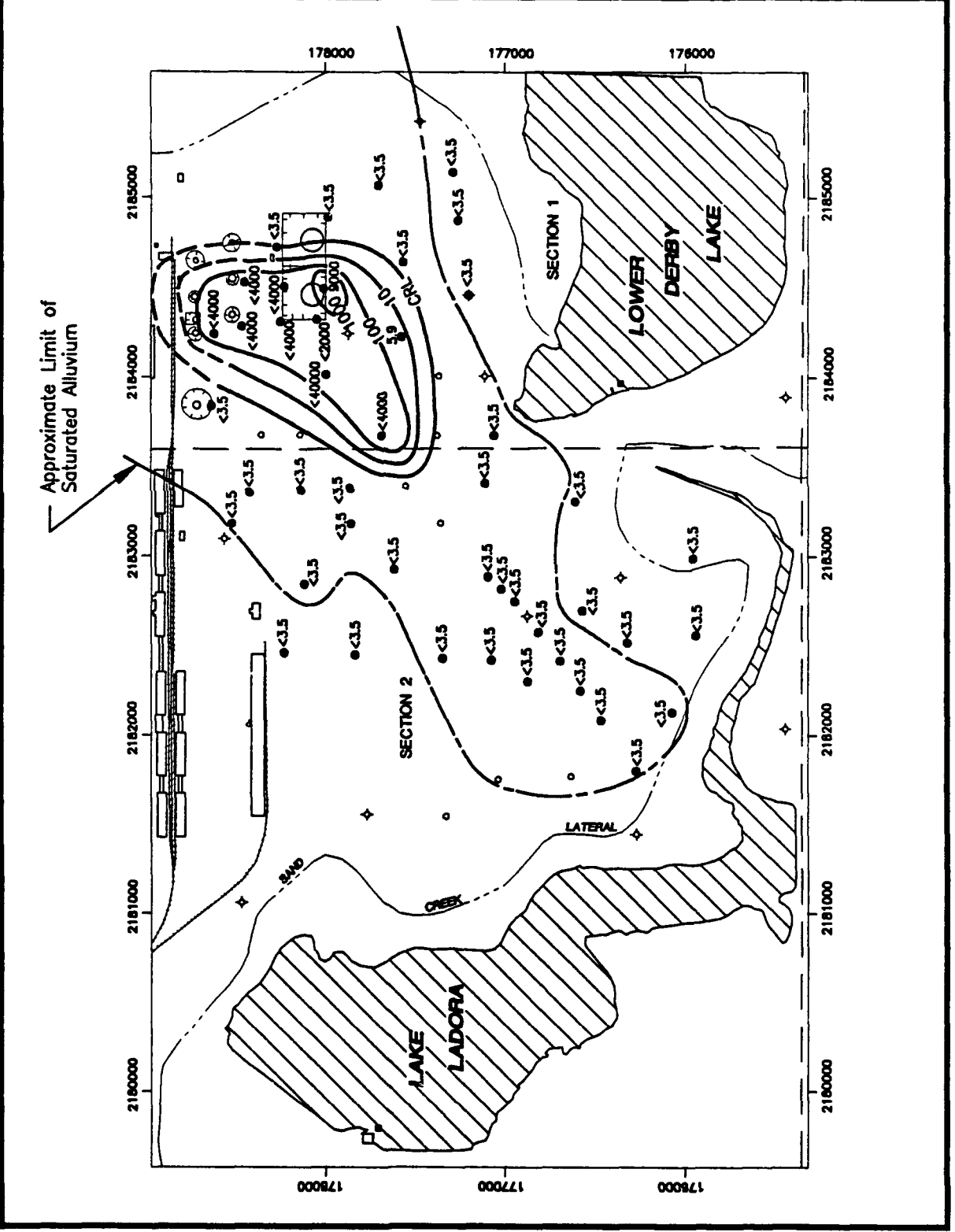
BENZENE CONCENTRATIONS
 IN GROUNDWATER
 Fall 1980

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- 10 Concentration ug/l
- Isoconcentration Line
- CRL Ceritfical Reporting Limit (<3.5)

north


0 250 500 1000
 FEET



ROCKY MOUNTAIN ARSENAL
 South Tank Farm Area

Figure 24

TOLUENE CONCENTRATIONS
 IN GROUNDWATER
 Fall 1990

Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- - - Drainage
- - - Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- Berm
- 10 ● Concentration ug/l
- Isoconcentration Line
- CRL Certical Reporting Limit (<2.4)

north
↑

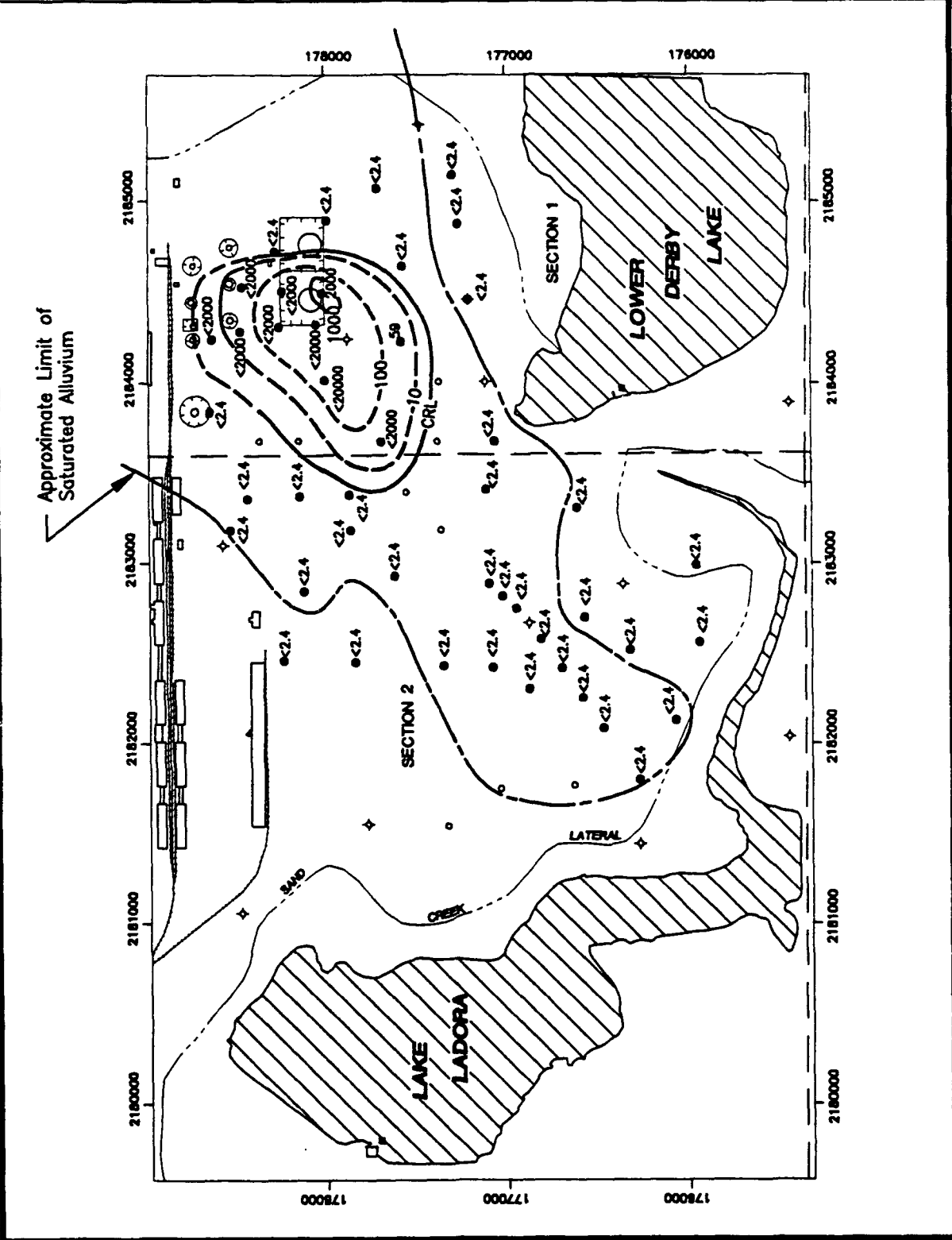
0 250 500 1000
FEET

ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 25

XYLENE CONCENTRATIONS
IN GROUNDWATER
Fall 1990

McCREON INDUSTRIES CORPORATION
ENVIRONMENTAL SERVICES GROUP
CEN 2172037 REV. 05-12/17/90



Legend

- Well Location
- Well Location With Data
- ⊕ Cluster Well Location
- ⊕ Cluster Well Location With Data
- Water Level Location
- - - Drainage
- - - Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- ⊙ Berm
- 10 ● Concentration ug/l
- ⤵ Isoconcentration Line

CRL Certified Reporting Limit (<1.8)



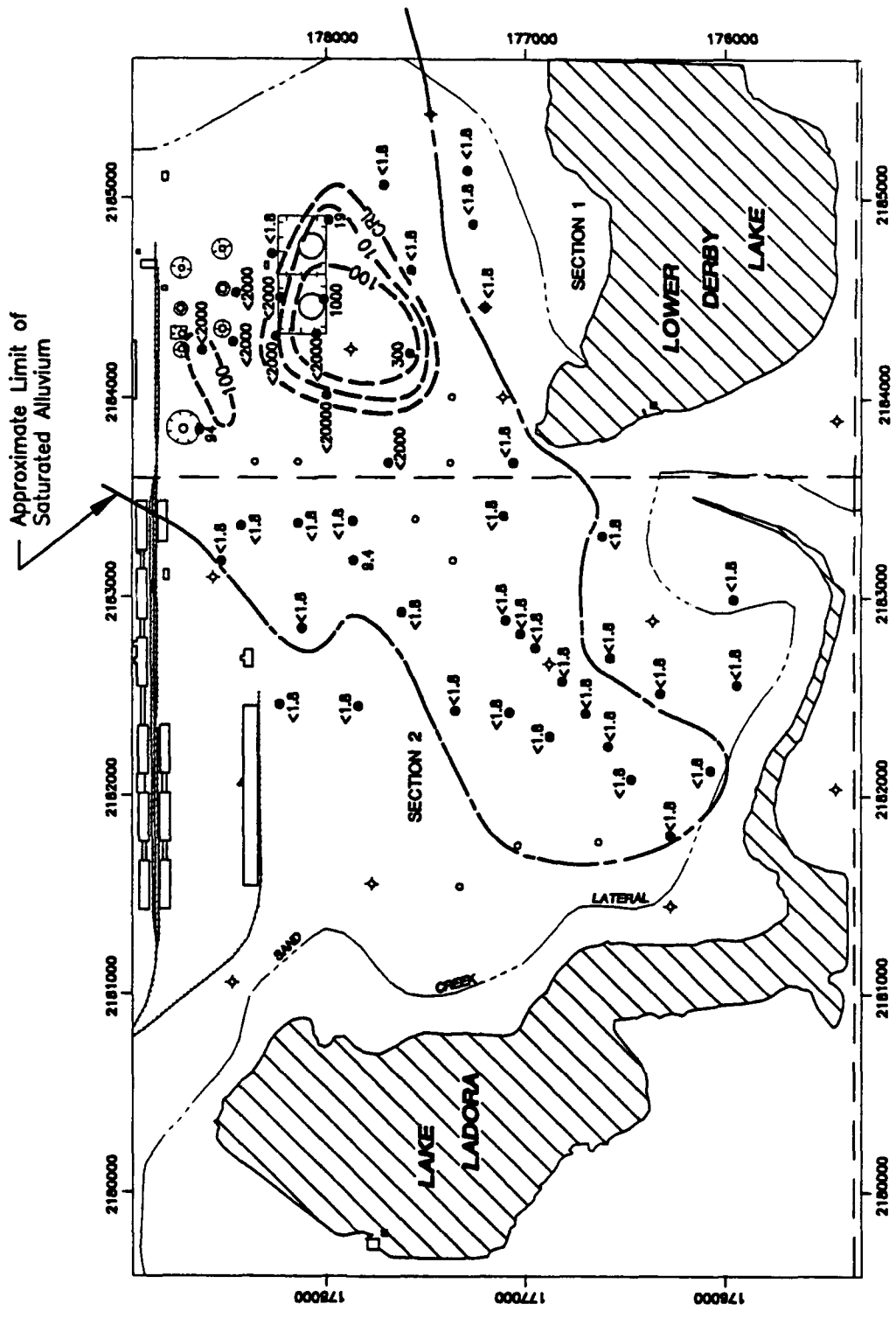
ROCKY MOUNTAIN ARSENAL
South Tank Farm Area

Figure 27

BCFD CONCENTRATIONS
IN GROUNDWATER
Fall 1980



GW 2126021 BMS- 208 12/17/80



4.0 CONCLUSIONS

The areal distribution of STFP constituent compounds is consistent with the Spring 1990 results. The leading edge of the STFP in the direction of Lake Ladora is presently located slightly downgradient of Well 02504, and it has not advanced since Spring 1990. The STFP compounds are not expected to migrate into either lake prior to implementation of the final response action. This interpretation is based upon the present distribution of the five STFP compounds, the location of the plume with respect to the lakes, and both the historically observed migration rate (approximately 33 ft/yr) and current retardation of the plume's leading edge. In addition, construction of the Lower Derby Lake spillway does not appear to have affected the overall hydrogeology in the STFP area.

Field groundwater quality measurements indicate favorable environmental conditions for biodegradation to occur. These data suggest that biodegradation continues to occur when the DO levels are above 1-3 mg/l. Retardation of the migration of the leading edge of the plume may indicate biodegradation is controlling the advancement of the STFP.

REFERENCES

- Ebasco, Services Inc. (Ebasco) 1988. Notes Discussing Contaminant Fate and Transport at RMA.
- Ebasco 1989. Final Remedial Investigation, South Plants Study Area Report.
- Shell Oil Company, 1989. Report of the Investigation of the LNAPL Plume Near Tank 464A, Section 1, RMA.
- Shell Oil Company, 1990a. Hydrogeologic and Water Quality Conditions South Tank Farm Plume.
- Shell Oil Company, 1990b. Final Alternatives Assessment, Other Contamination Sources Interim Response Action, South Tank Farm Plume.
- Shell Oil Company, 1990c. Proposed Decision Document, Other Contamination Sources Interim Response Action, South Tank Farm Plume.
- Stuber, H. 1988. Properties Controlling the Fate and Transport of Chemical Species in Groundwater.
- U.S. Army, 1989. Rocky Mountain Arsenal, Chemical Quality Assurance Plan. Version 1.0.

APPENDIX
Groundwater Quality Data - Fall 1990

17-dec-1990

Final Data Report for MKE Sampling Programs

The data presented herein has been forwarded to PMRMA for review, approval, and upload into the RMA Database. The concentration values presented herein are correct for moisture, dilution, accuracy, and number of significant figures. Please note, however, that this data has not been formally approved by PMRMA and is subject to change.

Flagging Code Descriptions:

FC field: (D) duplicate (C) confirmed (R) analyte not certified
(U) unconfirmed (G) quantitation questionable

QC field: (F) field blank (M) method blank (N) natural matrix spike
(R) rinse blank (S) standard spike (T) trip blank

Pertinent Installation Restoration Data Management System Information:

INSTALLATION: RK LABORATORY: ED FILE: CGW PROGRAM: LMK

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01049Sample Date: 10/23/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL002 Lab Number: 101023#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.8	UGL	N	10.000	
CD2CL2		8.9	UGL	N	10.000	
ETBD10		10.	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01533Sample Date: 11/07/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGU906 Lab Number: 01023#67

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL		
112TCE	LT	2000.	UGL		
11DCLE	LT	1000.	UGL		
12DCE	LT	3000.	UGL		
12DCLE	LT	700.	UGL		
13DMB	LT	3000.	UGL		
BCHPD	LT	2000.	UGL		
C6H6		900000.	UGL		
CCL4	LT	5000.	UGL		
CH2CL2	ND	5000.	UGL	R	
CHCL3	LT	2000.	UGL		
CLC6H5	LT	2000.	UGL		
DBCP	LT	6000.	UGL		
DCPD	LT	4000.	UGL		
DMS	LT	4000.	UGL		
ETC6H5	LT	2000.	UGL		
MEC6H5	LT	4000.	UGL		
MIBK	LT	1000.	UGL		
TCLEE	LT	3000.	UGL		
TRCLE	LT	2000.	UGL		
XYLEN	LT	2000.	UGL		
12DCD4		8.7	UGL	N	10.000
CD2CL2		8.6	UGL	N	10.000
ETBD10		8.6	UGL	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01534Sample Date: 11/05/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGT003 Lab Number: 01023#60

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		800000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		11.	UGL		N	10.000
CD2CL2		9.3	UGL		N	10.000
ETBD10		9.4	UGL		N	10.000

Method: UU8Analysis Number: QGU003 Lab Number: 01023#61

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.6	UGL		N	10.000
CD2CL2		8.4	UGL		N	10.000
ETBD10		8.8	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01534

Sample Date: 11/05/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGU003 Lab Number: 01023#61

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6		21.	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2		11.	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01535Sample Date: 11/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGQ006 Lab Number: 01023#51

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		94.	UGL			
C6H6		50000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		200.	UGL			
CLC6H5		400.	UGL			
DBCP	LT	5.6	UGL			
DCPD		61.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		25.	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4	LT	2.6	UGL		N	10.000
CD2CL2		8.3	UGL		N	10.000
ETBD10		9.8	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01537Sample Date: 10/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGO003 Lab Number: 01023#35

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.3	UGL		N	10.000
CD2CL2		8.5	UGL		N	10.000
ETBD10		7.4	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Sample Date: 10/31/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGO009 Lab Number: 01023#41

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		19.	UGL			
C6H6	LT	2.7	UGL			

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01537

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: B

Method: UU8

Analysis Number: QGO009 Lab Number: 01023#41

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		600.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		8.6	UGL		N	10.000
ETBD10		9.2	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01539Sample Date: 11/07/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGV003 Lab Number: 01023#68

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		400000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		12.	UGL	N	10.000	
CD2CL2		10.	UGL	N	10.000	
ETBD10		11.	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01540

Sample Date: 11/07/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGV004 Lab Number: 01023#69

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		1000000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		11.	UGL	N	10.000	
CD2CL2		10.	UGL	N	10.000	
ETBD10		12.	UGL	N	10.000	

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01541

Sample Date: 11/05/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGT004 Lab Number: 01023#62

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	20000.	UGL			
112TCE	LT	20000.	UGL			
11DCLE	LT	10000.	UGL			
12DCE	LT	30000.	UGL			
12DCLE	LT	7000.	UGL			
13DMB	LT	30000.	UGL			
BCHPD	LT	20000.	UGL			
C6H6		900000.	UGL			
CCL4	LT	50000.	UGL			
CH2CL2	ND	50000.	UGL	R		
CHCL3	LT	20000.	UGL			
CLC6H5	LT	20000.	UGL			
DBCP	LT	60000.	UGL			
DCPD	LT	40000.	UGL			
DMDS	LT	40000.	UGL			
ETC6H5	LT	20000.	UGL			
MEC6H5	LT	40000.	UGL			
MIBK	LT	10000.	UGL			
TCLEE	LT	30000.	UGL			
TRCLE	LT	20000.	UGL			
XYLEN	LT	20000.	UGL			
12DCD4		12.	UGL		N	10.000
CD2CL2		9.6	UGL		N	10.000
ETBD10		9.6	UGL		N	10.000

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01547

Sample Date: 10/30/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGO004 Lab Number: 01023#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT 2.4	UGL			
112TCE	LT 1.6	UGL			
11DCLE	LT 1.4	UGL			
12DCE	LT 3.2	UGL			
12DCLE	LT 0.72	UGL			
13DMB	LT 2.9	UGL			
BCHPD	LT 1.8	UGL			
C6H6	LT 2.7	UGL			
CCL4	LT 4.9	UGL			
CH2CL2	ND 5.0	UGL	R		
CHCL3	LT 1.7	UGL			
CLC6H5	LT 1.8	UGL			
DBCP	LT 5.6	UGL			
DCPD	LT 3.7	UGL			
DMS	LT 3.7	UGL			
ETC6H5	LT 2.4	UGL			
MEC6H5	LT 3.5	UGL			
MIBK	LT 1.2	UGL			
TCLEE	LT 2.9	UGL			
TRCLE	LT 2.0	UGL			
XYLEN	LT 2.4	UGL			
12DCD4	10.	UGL		N	10.000
CD2CL2	8.9	UGL		N	10.000
ETBD10	9.5	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01552Sample Date: 11/05/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGT005 Lab Number: 01023#63

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	600.	UGL				
112TCE	LT	400.	UGL				
11DCLE	LT	400.	UGL				
12DCE	LT	800.	UGL				
12DCLE	LT	200.	UGL				
13DMB	LT	700.	UGL				
BCHPD		1000.	UGL				
C6H6		80000.	UGL				
CCL4	LT	1000.	UGL				
CH2CL2	ND	1000.	UGL	R			
CHCL3	LT	400.	UGL				
CLC6H5	LT	500.	UGL				
DBCP	LT	1000.	UGL				
DCPD		1000.	UGL				
DMDS	LT	900.	UGL				
ETC6H5		500.	UGL				
MEC6H5		9000.	UGL				
MIBK	LT	300.	UGL				
TCLEE	LT	700.	UGL				
TRCLE	LT	500.	UGL				
XYLEN		2000.	UGL				
12DCD4		9.5	UGL		N	10.000	
CD2CL2		8.9	UGL		N	10.000	
ETBD10		9.9	UGL		N	10.000	

Method: UU8Analysis Number: QGU005 Lab Number: 01023#64

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2000.	UGL	D			
112TCE	LT	2000.	UGL	D			
11DCLE	LT	1000.	UGL	D			
12DCE	LT	3000.	UGL	D			
12DCLE	LT	700.	UGL	D			
13DMB	LT	3000.	UGL	D			
BCHPD	LT	2000.	UGL	D			
C6H6		80000.	UGL	D			
CCL4	LT	5000.	UGL	D			
CH2CL2	ND	5000.	UGL	R			

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01552

Sample Date: 11/05/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGU005 Lab Number: 01023#64

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	LT	2000.	UGL	D		
CLC6H5	LT	2000.	UGL	D		
DBCP	LT	6000.	UGL	D		
DCPD	LT	4000.	UGL	D		
DMDS	LT	4000.	UGL	D		
ETC6H5	LT	2000.	UGL	D		
MEC6H5		9000.	UGL	D		
MIBK	LT	1000.	UGL	D		
TCLEE	LT	3000.	UGL	D		
TRCLE	LT	2000.	UGL	D		
XYLEN	LT	2000.	UGL	D		
12DCD4		10.	UGL	D	N	10.000
CD2CL2		10.	UGL	D	N	10.000
ETBD10		9.8	UGL	D	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01554Sample Date: 11/05/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGU004 Lab Number: 01023#65

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		400000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		9.4	UGL		N	10.000
CD2CL2		9.9	UGL		N	10.000
ETBD10		8.8	UGL		N	10.000

Method: UU8Analysis Number: QGV002 Lab Number: 01023#66

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		11.	UGL		N	10.000
CD2CL2		5.4	UGL		N	10.000
ETBD10		12.	UGL		N	10.000
111TCE	LT	200.	UGL		R	
112TCE	LT	200.	UGL		R	
11DCLE	LT	100.	UGL		R	
12DCE	LT	300.	UGL		R	
12DCLE	LT	70.	UGL		R	
13DMB	LT	300.	UGL		R	
BCHPD	LT	200.	UGL		R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01554

Sample Date: 11/05/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGV002 Lab Number: 01023#66

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6		10000.	UGL		R	
CCL4	LT	500.	UGL		R	
CH2CL2	ND	500.	UGL	R	R	
CHCL3	LT	200.	UGL		R	
CLC6H5	LT	200.	UGL		R	
DBCP	LT	600.	UGL		R	
DCPD	LT	400.	UGL		R	
DMDS	LT	400.	UGL		R	
ETC6H5	LT	200.	UGL		R	
MEC6H5	LT	400.	UGL		R	
MIBK	LT	100.	UGL		R	
TCLEE	LT	300.	UGL		R	
TRCLE	LT	200.	UGL		R	
XYLEN	LT	200.	UGL		R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01559

Sample Date: 11/02/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGS004 Lab Number: 01023#57

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		700000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		6.8	UGL	N	10.000	
CD2CL2		8.6	UGL	N	10.000	
ETBD10		9.7	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01565Sample Date: 11/07/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGU002 Lab Number: 01023#71

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.3	UGL		N	10.000
CD2CL2		8.2	UGL		N	10.000
ETBD10		8.5	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6		3.6	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2		5.1	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Method: UU8Analysis Number: QGV005 Lab Number: 01023#70

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2000.	UGL			
112TCE	LT	2000.	UGL			
11DCLE	LT	1000.	UGL			
12DCE	LT	3000.	UGL			
12DCLE	LT	700.	UGL			
13DMB	LT	3000.	UGL			
BCHPD	LT	2000.	UGL			
C6H6		2000000.	UGL			
CCL4	LT	5000.	UGL			
CH2CL2	ND	5000.	UGL	R		

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01565

Sample Date: 11/07/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGV005 Lab Number: 01023#70

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	LT	2000.	UGL			
CLC6H5	LT	2000.	UGL			
DBCP	LT	6000.	UGL			
DCPD	LT	4000.	UGL			
DMDS	LT	4000.	UGL			
ETC6H5	LT	2000.	UGL			
MEC6H5	LT	4000.	UGL			
MIBK	LT	1000.	UGL			
TCLEE	LT	3000.	UGL			
TRCLE	LT	2000.	UGL			
XYLEN	LT	2000.	UGL			
12DCD4		9.4	UGL	N	10.000	
CD2CL2		8.8	UGL	N	10.000	
ETBD10		11.	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01578

Sample Date: 10/30/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGO005 Lab Number: 01023#37

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2		6.4	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		13.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
KYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N	10.000	
CD2CL2		9.1	UGL	N	10.000	
ETBD10		9.4	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01579

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: B

Method: UU8

Analysis Number: QGP003 Lab Number: 01023#42

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD		16.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.7	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		9.7	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 10/23/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGL003 Lab Number: 101023#2

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		10.	UGL	N	10.000
CD2CL2		10.	UGL	N	10.000
ETBD10		8.9	UGL	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 10/23/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGL004 Lab Number: 101023#3

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		9.9	UGL	N	10.000
CD2CL2		10.	UGL	N	10.000
ETBD10		9.1	UGL	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 10/23/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL005 Lab Number: 101023#4

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT 2.4	UGL			
112TCE	LT 1.6	UGL			
11DCLE	LT 1.4	UGL			
12DCE	LT 3.2	UGL			
12DCLE	LT 0.72	UGL			
13DMB	LT 2.9	UGL			
BCHPD	LT 1.8	UGL			
C6H6	LT 2.7	UGL			
CCL4	LT 4.9	UGL			
CH2CL2	ND 5.0	UGL	R		
CHCL3	LT 1.7	UGL			
CLC6H5	LT 1.8	UGL			
DBCP	LT 5.6	UGL			
DCPD	LT 3.7	UGL			
DMDS	LT 3.7	UGL			
ETC6H5	LT 2.4	UGL			
MEC6H5	LT 3.5	UGL			
MIBK	LT 1.2	UGL			
TCLEE	LT 2.9	UGL			
TRCLE	LT 2.0	UGL			
XYLEN	LT 2.4	UGL			
12DCD4	8.5	UGL		N	10.000
CD2CL2	10.	UGL		N	10.000
ETBD10	8.5	UGL		N	10.000

Method: UU8Analysis Number: QGL006 Lab Number: 101023#5

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	11.	UGL		N	10.000
CD2CL2	11.	UGL		N	10.000
ETBD10	11.	UGL		N	10.000
111TCE	LT 2.4	UGL		T	
112TCE	LT 1.6	UGL		T	
11DCLE	LT 1.4	UGL		T	
12DCE	LT 3.2	UGL		T	
12DCLE	LT 0.72	UGL		T	
13DMB	LT 2.9	UGL		T	
BCHPD	LT 1.8	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 10/23/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL006 Lab Number: 101023#5

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 11/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGQ007 Lab Number: 01023#52

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB		29.	UGL				
BCHPD		300.	UGL				
C6H6		40000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD		400.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5		5.9	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		59.	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		13.	UGL		N	10.000	
ETBD10		9.5	UGL		N	10.000	

Method: UU8Analysis Number: QGT002 Lab Number: 01023#53

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
12DCD4		13.	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	
111TCE	LT	2.4	UGL		T		
112TCE	LT	1.6	UGL		T		
11DCLE	LT	1.4	UGL		T		
12DCE	LT	3.2	UGL		T		
12DCLE	LT	0.72	UGL		T		
13DMB	LT	2.9	UGL		T		
BCHPD	LT	1.8	UGL		T		

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01588

Sample Date: 11/01/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGT002 Lab Number: 01023#53

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6		2.6	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02501

Sample Date: 11/01/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGS002 Lab Number: 01023#54

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		4.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		50000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		11.	UGL				
CLC6H5		29.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		6.7	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02502

Sample Date: 11/01/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGR004 Lab Number: 01023#55

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		9.0	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		30000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		20.	UGL			
CLC6H5		33.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4	LT	2.6	UGL		N	10.000
CD2CL2		8.9	UGL		N	10.000
ETBD10		11.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02503Sample Date: 10/31/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGO010 Lab Number: 01023#43

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE		58.	UGL		
12DCE		13.	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6		9000.	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3		4.3	UGL		
CLC6H5		54.	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMSD	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE		3.4	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		7.9	UGL	N	10.000
CD2CL2		7.6	UGL	N	10.000
ETBD10		9.0	UGL	N	10.000

Method: UU8Analysis Number: QGO011 Lab Number: 01023#44

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D	
112TCE	LT	1.6	UGL	D	
11DCLE		57.	UGL	D	
12DCE		12.	UGL	D	
12DCLE	LT	0.72	UGL	D	
13DMB	LT	2.9	UGL	D	
BCHPD	LT	1.8	UGL	D	
C6H6		10000.	UGL	D	
CCL4	LT	4.9	UGL	D	
CH2CL2	ND	5.0	UGL	R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02503

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QG0011 Lab Number: 01023#44

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	4.4	UGL	D		
CLC6H5	53.	UGL	D		
DBCP	LT 5.6	UGL	D		
DCPD	LT 3.7	UGL	D		
DMDS	LT 3.7	UGL	D		
ETC6H5	LT 2.4	UGL	D		
MEC6H5	LT 3.5	UGL	D		
MIBK	LT 1.2	UGL	D		
TCLLE	LT 2.9	UGL	D		
TRCLE	3.4	UGL	D		
XYLEN	LT 2.4	UGL	D		
12DCD4	LT 2.6	UGL	D	N	10.000
CD2CL2	7.9	UGL	D	N	10.000
ETBD10	8.9	UGL	D	N	10.000

Method: UU8

Analysis Number: QGR002 Lab Number: 01023#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	11.	UGL		N	10.000
CD2CL2	9.9	UGL		N	10.000
ETBD10	11.	UGL		N	10.000
111TCE	LT 2.4	UGL		T	
112TCE	LT 1.6	UGL		T	
11DCLE	LT 1.4	UGL		T	
12DCE	LT 3.2	UGL		T	
12DCLE	LT 0.72	UGL		T	
13DMB	LT 2.9	UGL		T	
BCHPD	LT 1.8	UGL		T	
C6H6	LT 2.7	UGL		T	
CCL4	LT 4.9	UGL		T	
CH2CL2	ND 5.0	UGL	R	T	
CHCL3	LT 1.7	UGL		T	
CLC6H5	LT 1.8	UGL		T	
DBCP	LT 5.6	UGL		T	
DCPD	LT 3.7	UGL		T	
DMDS	LT 3.7	UGL		T	
ETC6H5	LT 2.4	UGL		T	
MEC6H5	LT 3.5	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02503

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGR002 Lab Number: 01023#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
MIBK	LT 1.2	UGL		T	
TCLEE	LT 2.9	UGL		T	
TRCLE	LT 2.0	UGL		T	
XYLEN	LT 2.4	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02504

Sample Date: 10/30/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGO006 Lab Number: 01023#38

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		62.	UGL			
12DCE		16.	UGL			
12DCLE		1.5	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		3.9	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		14.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.5	UGL		N	10.000
CD2CL2		8.9	UGL		N	10.000
ETBD10		8.8	UGL		N	10.000

Method: UU8

Analysis Number: QGO007 Lab Number: 01023#39

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		63.	UGL	D		
12DCE		16.	UGL	D		
12DCLE		3.5	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6		4.0	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2	ND	5.0	UGL	R		

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02504

Sample Date: 10/30/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGO007 Lab Number: 01023#39

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	LT 1.7	UGL	D		
CLC6H5	14.	UGL	D		
DBCP	LT 5.6	UGL	D		
DCPD	LT 3.7	UGL	D		
DMDS	LT 3.7	UGL	D		
ETC6H5	LT 2.4	UGL	D		
MEC6H5	LT 3.5	UGL	D		
MIBK	LT 1.2	UGL	D		
TCLEE	LT 2.9	UGL	D		
TRCLE	3.1	UGL	D		
XYLEN	LT 2.4	UGL	D		
12DCD4	9.6	UGL	D	N	10.000
CD2CL2	8.9	UGL	D	N	10.000
ETBD10	8.9	UGL	D	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 10/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM009 Lab Number: 01023#21

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D	
112TCE	LT	1.6	UGL	D	
11DCLE		54.	UGL	D	
12DCE		12.	UGL	D	
12DCLE		2.3	UGL	D	
13DMB	LT	2.9	UGL	D	
BCHPD	LT	1.8	UGL	D	
C6H6	LT	2.7	UGL	D	
CCL4	LT	4.9	UGL	D	
CH2CL2	ND	5.0	UGL	R	
CHCL3		46.	UGL	D	
CLC6H5	LT	1.8	UGL	D	
DBCP	LT	5.6	UGL	D	
DCPD	LT	3.7	UGL	D	
DMDS	LT	3.7	UGL	D	
ETC6H5	LT	2.4	UGL	D	
MEC6H5	LT	3.5	UGL	D	
MIBK	LT	1.2	UGL	D	
TCLEE	LT	2.9	UGL	D	
TRCLE		3.6	UGL	D	
XYLEN	LT	2.4	UGL	D	
12DCD4		7.4	UGL	D	N 10.000
CD2CL2		6.7	UGL	D	N 10.000
ETBD10		8.3	UGL	D	N 10.000

Method: UU8Analysis Number: QG0002 Lab Number: 01023#20

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE		68.	UGL		
12DCE		19.	UGL		
12DCLE		1.3	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02505

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGO002 Lab Number: 01023#20

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3		55.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		4.2	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.8	UGL	N	10.000	
CD2CL2		9.9	UGL	N	10.000	
ETBD10		9.8	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02506

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGM010 Lab Number: 01023#22

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		52.	UGL			
12DCE		12.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		130.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.5	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		7.7	UGL	N	10.000	
CD2CL2		7.4	UGL	N	10.000	
ETBD10		8.4	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02507Sample Date: 10/25/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM003 Lab Number: 01023#13

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		20.	UGL			
12DCE		5.6	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		85.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N	10.000	
CD2CL2		9.4	UGL	N	10.000	
ETBD10		9.7	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02508Sample Date: 10/24/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL007 Lab Number: 101023#6

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		11.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 10/24/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL008 Lab Number: 101023#7

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N	10.000	
CD2CL2		9.1	UGL	N	10.000	
ETBD10		10.	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02510

Sample Date: 10/25/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGM004 Lab Number: 01023#14

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.3	UGL	N	10.000	
CD2CL2		9.0	UGL	N	10.000	
ETBD10		9.1	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02511Sample Date: 10/24/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGL009 Lab Number: 101023#8

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		9.9	UGL	N	10.000
CD2CL2		11.	UGL	N	10.000
ETBD10		9.6	UGL	N	10.000

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02512

Sample Date: 10/24/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGL010 Lab Number: 101023#9

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		11.	UGL		N	10.000
ETBD10		9.6	UGL		N	10.000

Method: UU8

Analysis Number: QGL011 Lab Number: 01023#10

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		F	
112TCE	LT	1.6	UGL		F	
11DCLE	LT	1.4	UGL		F	
12DCE	LT	3.2	UGL		F	
12DCLE	LT	0.72	UGL		F	
13DMB	LT	2.9	UGL		F	
BCHPD	LT	1.8	UGL		F	
C6H6	LT	2.7	UGL		F	
CCL4	LT	4.9	UGL		F	
CH2CL2	ND	5.0	UGL	R	F	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02512

Sample Date: 10/24/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGL011 Lab Number: 01023#10

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	LT	1.7	UGL		F	
CLC6H5	LT	1.8	UGL		F	
DBCP	LT	5.6	UGL		F	
DCPD	LT	3.7	UGL		F	
DMDS	LT	3.7	UGL		F	
ETC6H5	LT	2.4	UGL		F	
MEC6H5	LT	3.5	UGL		F	
MIBK	LT	1.2	UGL		F	
TCLEE	LT	2.9	UGL		F	
TRCLE	LT	2.0	UGL		F	
XYLEN	LT	2.4	UGL		F	
12DCD4		8.8	UGL		N	10.000
CD2CL2		11.	UGL		N	10.000
ETBD10		9.1	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02562Sample Date: 11/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGR003 Lab Number: 01023#59

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		12.	UGL		N	10.000
CD2CL2		9.5	UGL		N	10.000
ETBD10		10.	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6		7.8	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Method: UU8Analysis Number: QGS003 Lab Number: 01023#58

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		70000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2		41.	UGL	R		

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02562

Sample Date: 11/02/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGS003 Lab Number: 01023#58

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CHCL3	13.	UGL				
CLC6H5	77.	UGL				
DBCP	LT	UGL				
DCPD	LT	UGL				
DMDS	LT	UGL				
ETC6H5	LT	UGL				
MEC6H5	LT	UGL				
MIBK	LT	UGL				
TCLEE	LT	UGL				
TRCLE	LT	UGL				
XYLEN	LT	UGL				
12DCD4	LT	UGL		N	10.000	
CD2CL2		UGL		N	10.000	
ETBD10		UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02572Sample Date: 10/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGN010 Lab Number: 01023#30

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		11.	UGL			
12DCE		3.4	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		38.	UGL			
DBCP	LT	5.6	UGL			
DCPD		19.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		2.7	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		9.3	UGL		N	10.000
ETBD10		9.8	UGL		N	10.000

Method: UU8Analysis Number: QGN011 Lab Number: 01023#31

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		9.6	UGL	D		
12DCE		3.3	UGL	D		
12DCLE		5.6	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6	LT	2.7	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2	ND	5.0	UGL	R		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02572Sample Date: 10/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGN011 Lab Number: 01023#31

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CHCL3	LT	1.7	UGL	D		
CLC6H5		37.	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD		6.3	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE		2.5	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		10.	UGL	D	N	10.000
CD2CL2		9.1	UGL	D	N	10.000
ETBD10		9.6	UGL	D	N	10.000

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02574

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN004 Lab Number: 01023#23

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		16.	UGL			
12DCE		3.6	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		85.	UGL			
DBCP	LT	5.6	UGL			
DCPD		6.3	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		2.9	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.6	UGL		N	10.000
CD2CL2		8.8	UGL		N	10.000
ETBD10		9.5	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02575Sample Date: 10/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGO008 Lab Number: 01023#40

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		49.	UGL				
12DCE		9.7	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		200.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		20.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		5.9	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.9	UGL		N	10.000	
CD2CL2		8.7	UGL		N	10.000	
ETBD10		9.3	UGL		N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02576

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGP004 Lab Number: 01023#46

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		50000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		9.5	UGL				
CLC6H5		17.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK		1.4	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		8.0	UGL		N	10.000	
ETBD10		9.6	UGL		N	10.000	

Method: UU8

Analysis Number: QGQ002 Lab Number: 01023#47

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL	D			
112TCE	LT	1.6	UGL	D			
11DCLE	LT	1.4	UGL	D			
12DCE	LT	3.2	UGL	D			
12DCLE	LT	0.72	UGL	D			
13DMB	LT	2.9	UGL	D			
BCHPD	LT	1.8	UGL	D			
C6H6		20000.	UGL	D			
CCL4	LT	4.9	UGL	D			
CH2CL2		23.	UGL	R			

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02576

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGQ002 Lab Number: 01023#47

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CHCL3	5.7	UGL	D			
CLC6H5	3.9	UGL	D			
DBCP	LT	5.6	UGL	D		
DCPD	LT	3.7	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK		4.4	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE	LT	2.0	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4	LT	2.6	UGL	D	N	10.000
CD2CL2		9.6	UGL	D	N	10.000
ETBD10		10.	UGL	D	N	10.000

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02577

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN005 Lab Number: 01023#24

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		48.	UGL			
12DCE		11.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		54.	UGL			
CLC6H5		8.4	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.4	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.6	UGL	N	10.000	
CD2CL2		8.6	UGL	N	10.000	
ETBD10		9.1	UGL	N	10.000	

Method: UU8

Analysis Number: QGN006 Lab Number: 01023#25

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		10.	UGL	N	10.000	
CD2CL2		8.0	UGL	N	10.000	
ETBD10		9.5	UGL	N	10.000	
111TCE	LT	2.4	UGL	R		
112TCE	LT	1.6	UGL	R		
11DCLE	LT	1.4	UGL	R		
12DCE	LT	3.2	UGL	R		
12DCLE	LT	0.72	UGL	R		
13DMB	LT	2.9	UGL	R		
BCHPD	LT	1.8	UGL	R		

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02577

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN006 Lab Number: 01023#25

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
C6H6	LT	2.7	UGL			R	
CCL4	LT	4.9	UGL			R	
CH2CL2	ND	5.0	UGL	R		R	
CHCL3	LT	1.7	UGL			R	
CLC6H5	LT	1.8	UGL			R	
DBCP	LT	5.6	UGL			R	
DCPD	LT	3.7	UGL			R	
DMDS	LT	3.7	UGL			R	
ETC6H5	LT	2.4	UGL			R	
MEC6H5	LT	3.5	UGL			R	
MIBK	LT	1.2	UGL			R	
TCLEE	LT	2.9	UGL			R	
TRCLE	LT	2.0	UGL			R	
XYLEN	LT	2.4	UGL			R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02578

Sample Date: 10/25/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN001 Lab Number: 01023#27

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	35.	UGL		N	40.000
112TCE	40.	UGL		N	40.000
11DCLE	38.	UGL		N	40.000
12DCD4	39.	UGL		N	40.000
12DCE	34.	UGL		N	40.000
12DCLE	40.	UGL		N	40.000
13DMB	38.	UGL		N	40.000
BCHPD	38.	UGL		N	40.000
C6H6	39.	UGL		N	40.000
CCL4	37.	UGL		N	40.000
CD2CL2	31.	UGL		N	40.000
CH2CL2	35.	UGL	R	N	40.000
CHCL3	38.	UGL		N	40.000
CLC6H5	33.	UGL		N	40.000
DBCP	42.	UGL		N	40.000
DCPD	37.	UGL		N	40.000
DMDS	38.	UGL		N	40.000
ETBD10	38.	UGL		N	40.000
ETC6H5	39.	UGL		N	40.000
MEC6H5	39.	UGL		N	40.000
MIBK	41.	UGL		N	40.000
TCLEE	39.	UGL		N	40.000
TRCLE	39.	UGL		N	40.000
XYLEN	76.	UGL		N	80.000

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN007 Lab Number: 01023#26

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		31.	UGL			
12DCE		6.1	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02578

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN007 Lab Number: 01023#26

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		3.2	UGL			
CLC6H5		60.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		2.3	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.8	UGL	N	10.000	
CD2CL2		7.7	UGL	N	10.000	
ETBD10		9.3	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02579Sample Date: 10/25/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM005 Lab Number: 01023#15

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		30.	UGL			
12DCE		7.4	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		700.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		4.1	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		8.1	UGL	N	10.000	
CD2CL2		8.9	UGL	N	10.000	
ETBD10		9.4	UGL	N	10.000	

Method: UU8Analysis Number: QGN003 Lab Number: 01023#16

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.8	UGL		N	10.000
CD2CL2		9.2	UGL		N	10.000
ETBD10		9.6	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02579

Sample Date: 10/25/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN003 Lab Number: 01023#16

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02580

Sample Date: 10/29/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN012 Lab Number: 01023#32

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		3.0	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		9.6	UGL				
DBCP	LT	5.6	UGL				
DCPD		9.6	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE		4.4	UGL				
TRCLE		2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		10.	UGL		N	10.000	
CD2CL2		9.3	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	

Method: UU8

Analysis Number: QGN013 Lab Number: 01023#33

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL	D			
112TCE	LT	1.6	UGL	D			
11DCLE		2.8	UGL	D			
12DCE	LT	3.2	UGL	D			
12DCLE	LT	0.72	UGL	D			
13DMB	LT	2.9	UGL	D			
BCHPD	LT	1.8	UGL	D			
C6H6	LT	2.7	UGL	D			
CCL4	LT	4.9	UGL	D			
CH2CL2	ND	5.0	UGL	R			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02580Sample Date: 10/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGN013 Lab Number: 01023#33

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	LT	1.7	UGL	D	
CLC6H5		9.2	UGL	D	
DBCP	LT	5.6	UGL	D	
DCPD		8.8	UGL	D	
DMDS	LT	3.7	UGL	D	
ETC6H5	LT	2.4	UGL	D	
MEC6H5	LT	3.5	UGL	D	
MIBK	LT	1.2	UGL	D	
TCLEE		4.1	UGL	D	
TRCLE		1.9	UGL	D	
XYLEN	LT	2.4	UGL	D	
12DCD4		9.9	UGL	D	N 10.000
CD2CL2		8.8	UGL	D	N 10.000
ETBD10		8.9	UGL	D	N 10.000

Method: UU8Analysis Number: QGN014 Lab Number: 01023#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.8	UGL	N	10.000
CD2CL2		9.3	UGL	N	10.000
ETBD10		9.1	UGL	N	10.000
111TCE	LT	2.4	UGL	T	
112TCE	LT	1.6	UGL	T	
11DCLE	LT	1.4	UGL	T	
12DCE	LT	3.2	UGL	T	
12DCLE	LT	0.72	UGL	T	
13DMB	LT	2.9	UGL	T	
BCHPD	LT	1.8	UGL	T	
C6H6	LT	2.7	UGL	T	
CCL4	LT	4.9	UGL	T	
CH2CL2		26.	UGL	R	T
CHCL3	LT	1.7	UGL	T	
CLC6H5	LT	1.9	UGL	T	
DBCP	LT	5.6	UGL	T	
DCPD	LT	3.7	UGL	T	
DMDS	LT	3.7	UGL	T	
ETC6H5	LT	2.4	UGL	T	
MEC6H5	LT	3.5	UGL	T	

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Final Data Report for MKE_Sampling_Programs

Site Identification: WELL 02580

Sample Date: 10/29/90

Depth(ft): 0.0 Sampling Technique: P

Method: U8

Analysis Number: QGN014 Lab Number: 01023#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
MIBK	LT	1.2	UGL	T		
TCLEE	LT	2.9	UGL	T		
TRCLE	LT	2.0	UGL	T		
XYLEN	LT	2.4	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02581Sample Date: 10/25/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM006 Lab Number: 01023#17

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		9.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		7.0	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		2.8	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		8.0	UGL	N	10.000	
CD2CL2		8.3	UGL	N	10.000	
ETBD10		9.2	UGL	N	10.000	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02582

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN008 Lab Number: 01023#28

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		12.	UGL			
12DCE		3.8	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		1.5	UGL			
C6H6		3.6	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		70.	UGL			
DBCP	LT	5.6	UGL			
DCPD		19.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		4.1	UGL			
TRCLE		2.1	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.6	UGL		N	10.000
CD2CL2		7.9	UGL		N	10.000
ETBD10		9.1	UGL		N	10.000

Method: UU8

Analysis Number: QGN009 Lab Number: 01023#29

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		9.8	UGL		N	10.000
CD2CL2		7.6	UGL		N	10.000
ETBD10		9.9	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02582

Sample Date: 10/26/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGN009 Lab Number: 01023#29

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6	LT 2.7	UGL		T	
CCL4	LT 4.9	UGL		T	
CH2CL2	ND 5.0	UGL	R	T	
CHCL3	LT 1.7	UGL		T	
CLC6H5	LT 1.8	UGL		T	
DBCP	LT 5.6	UGL		T	
DCPD	LT 3.7	UGL		T	
DMDS	LT 3.7	UGL		T	
ETC6H5	LT 2.4	UGL		T	
MEC6H5	LT 3.5	UGL		T	
MIBK	LT 1.2	UGL		T	
TCLEE	LT 2.9	UGL		T	
TRCLE	LT 2.0	UGL		T	
XYLEN	LT 2.4	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02583

Sample Date: 11/01/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGR005 Lab Number: 01023#56

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		13.	UGL			
12DCE		3.3	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		9.4	UGL			
C6H6		20000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		18.	UGL			
CLC6H5		200.	UGL			
DBCP	LT	5.6	UGL			
DCPD		21.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		5.0	UGL			
TRCLE		2.1	UGL			
XYLEN	LT	2.4	UGL			
12DCD4	LT	2.6	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		11.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 10/31/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGQ003 Lab Number: 01023#48

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLLE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		11.	UGL	N	10.000
CD2CL2		9.7	UGL	N	10.000
ETBD10		9.5	UGL	N	10.000

Method: UU8Analysis Number: QGQ004 Lab Number: 01023#49

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D	
112TCE	LT	1.6	UGL	D	
11DCLE		1.8	UGL	D	
12DCE	LT	3.2	UGL	D	
12DCLE	LT	0.72	UGL	D	
13DMB	LT	2.9	UGL	D	
BCHPD	LT	1.8	UGL	D	
C6H6		9000.	UGL	D	
CCL4	LT	4.9	UGL	D	
CH2CL2	ND	5.0	UGL	R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02585

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGQ004 Lab Number: 01023#49

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3	11.	UGL	D		
CLC6H5	18.	UGL	D		
DBCP	LT	5.6	UGL	D	
DCPD	LT	3.7	UGL	D	
DMDS	LT	3.7	UGL	D	
ETC6H5	LT	2.4	UGL	D	
MEC6H5	LT	3.5	UGL	D	
MIBK	LT	1.2	UGL	D	
TCLEE	LT	2.9	UGL	D	
TRCLE	LT	2.0	UGL	D	
XYLEN	LT	2.4	UGL	D	
12DCD4	LT	2.6	UGL	D	N 10.000
CD2CL2		8.7	UGL	D	N 10.000
ETBD10		10.	UGL	D	N 10.000

Method: UU8

Analysis Number: QGQ005 Lab Number: 01023#50

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	10.	UGL		N	10.000
CD2CL2	8.8	UGL		N	10.000
ETBD10	10.	UGL		N	10.000
111TCE	LT	2.4	UGL	R	
112TCE	LT	1.6	UGL	R	
11DCLE	LT	1.4	UGL	R	
12DCE	LT	3.2	UGL	R	
12DCLE	LT	0.72	UGL	R	
13DMB	LT	2.9	UGL	R	
BCHPD	LT	1.8	UGL	R	
C6H6		9.4	UGL	R	
CCL4	LT	4.9	UGL	R	
CH2CL2	ND	5.0	UGL	R	R
CHCL3		6.6	UGL	R	
CLC6H5	LT	1.8	UGL	R	
DBCP	LT	5.6	UGL	R	
DCPD	LT	3.7	UGL	R	
DMDS	LT	3.7	UGL	R	
ETC6H5	LT	2.4	UGL	R	
MEC6H5	LT	3.5	UGL	R	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02585

Sample Date: 10/31/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGQ005 Lab Number: 01023#50

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
MIBK	LT 1.2	UGL		R	
TCLEE	LT 2.9	UGL		R	
TRCLE	LT 2.0	UGL		R	
XYLEN	LT 2.4	UGL		R	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 10/24/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGL012 Lab Number: 01023#11

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		8.5	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		8.9	UGL		N	10.000	

Method: UU8Analysis Number: QGM002 Lab Number: 01023#12

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
12DCD4		8.9	UGL		N	10.000	
CD2CL2		10.	UGL		N	10.000	
ETBD10		11.	UGL		N	10.000	
111TCE	LT	2.4	UGL		T		
112TCE	LT	1.6	UGL		T		
11DCLE	LT	1.4	UGL		T		
12DCE	LT	3.2	UGL		T		
12DCLE	LT	0.72	UGL		T		
13DMB	LT	2.9	UGL		T		
BCHPD	LT	1.8	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 10/24/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM002 Lab Number: 01023#12

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
C6H6	LT	2.7	UGL		T
CCL4	LT	4.9	UGL		T
CH2CL2	ND	5.0	UGL	R	T
CHCL3	LT	1.7	UGL		T
CLC6H5	LT	1.8	UGL		T
DBCP	LT	5.6	UGL		T
DCPD	LT	3.7	UGL		T
DMDS	LT	3.7	UGL		T
ETC6H5	LT	2.4	UGL		T
MEC6H5	LT	3.5	UGL		T
MIBK	LT	1.2	UGL		T
TCLEE	LT	2.9	UGL		T
TRCLE	LT	2.0	UGL		T
XYLEN	LT	2.4	UGL		T

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 10/25/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGM007 Lab Number: 01023#18

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		52.	UGL			
12DCE		11.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		110.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.7	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		7.6	UGL		N 10.000	
CD2CL2		7.5	UGL		N 10.000	
ETBD10		8.8	UGL		N 10.000	

Method: UU8Analysis Number: QGM008 Lab Number: 01023#19

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		53.	UGL	D		
12DCE		12.	UGL	D		
12DCLE	LT	0.72	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6	LT	2.7	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2	ND	5.0	UGL	R		

17-dec-1990

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02598

Sample Date: 10/25/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGM008 Lab Number: 01023#19

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CHCL3		120.	UGL	D		
CLC6H5	LT	1.8	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD	LT	3.7	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE		3.8	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		7.8	UGL	D	N	10.000
CD2CL2		8.2	UGL	D	N	10.000
ETBD10		8.7	UGL	D	N	10.000