780108 - 0810210002

DOE–LM/1595–2008

Office of Legacy Management

Mound Site

Phase I Groundwater Monitoring Report Calendar Year 2007

March 2008

U.S. Department of Energy

Office of Legacy Management

Work Performed Under DOE Contract No. DE–AM01–07LM00060
for the U.S. Department of Energy Office of Legacy Management.
Approved for public release; distribution is unlimited.

780108-0810210002

Stoller

established 1959

Task Order LM00-721
Control Number: 08-0054

March 25, 2007

U.S. Department of Energy
Office of Legacy Management
ATTN: Arthur W. Kleinrath
Site Manager
955 Mound Road
Miamisburg, OH 45342

Subject: Contract No. DE-AM01-07LM00060, Stoller
Phase I Groundwater Monitoring Report – Calendar Year 2007

Reference: LM712-06-508, Mound OH Support, Monitoring

Dear Mr. Kleinrath:

Enclosed are 12 copies of the subject document for issue to the regulators and other interested parties. This report is due to the regulators by March 31, 2008. The *Phase I Groundwater Monitoring Report - Calendar Year 2007* was prepared in support of the selected remedy for Phase I as outlined in the *Record of Decision*. This report represents the fourth submittal of an annual report documenting the progress of the MNA remedy for Phase I. All sampling and data analyses were performed in accordance with the *Phase I Remedy (Monitored Natural Attenuation) Groundwater Monitoring Plan*, unless noted.

The report includes data collected during the four quarterly groundwater sampling events performed during 2007. In addition to data collected in support of MNA, additional data are presented in support of the confirmatory monitoring for radium, barium, nickel, and chromium in selected wells located within Phase I. Data are presented in both time series plots and map view plots. Trend analysis was performed this year on selected wells using the non-parametric Mann-Kendal test in order to confirm trends in contaminant concentrations over time. The time series plots are also used to evaluate changes in data over time and interpret the effectiveness of the MNA remedy. The report also documents any operational changes and maintenance or repair activities that were performed during 2007.

In general, the MNA data for TCE in groundwater indicate that concentrations have decreased or remained stable at the source area wells (0411 and 0443) and seep 0617, locations where the highest contamination is present. Also, data show that TCE from the 0411/0443 area in Phase I has not impacted the downgradient BVA. On the basis of the stable TCE concentrations in this area, it is recommended to reduce the sampling frequency to semiannually.

Confirmatory sampling for radium, barium, sodium, and chloride supports the theory that the source of elevated radium and barium in well 0445 is the shale bedrock and that dissolved salt is the mechanism that has resulted in elevated levels at this location. It is recommended to reduce the sampling frequency for radium and barium to semiannually and to limit sampling to wells 04445 and P033, as data from these two locations have indicated a hydraulic connection.

Data from nickel and chromium confirmatory sampling support the theory that corrosion of stainless steel well casing has resulted in elevated concentrations of these metals in four wells in the Phase I area. None of the wells had chromium or nickel concentrations that exceeded the 100 µg/L during 2007. It is recommended that confirmatory sampling for chromium and nickel be discontinued at three of the locations. However, because of recent changes in chromium and nickel concentrations in well 0443, monitoring will continue into 2008.

If you have any questions or comments, please contact Rebecca Cato at (636) 926-7038.

Sincerely,

R.C. Hanslotten for Glenn Griffiths

Glenn Griffiths
Stoller Site Manager

GG:jp

Enclosures

cc: Paul Lucas, DOE EM
Tim Fisher, USEPA
Brian Nickel, OEPA
Ken Armstrong, CH2M Hill
Rebecca Cato, Stoller
Charles Friedman, Stoller
Kathy Gunckle, Source One
rc.mound@lm.doe.gov

w/o encl: Correspondence Control File (thru C. Weston/D. Crawford)

DOE–LM/1595-2008

Mound Site

Phase I Groundwater Monitoring Report
Calendar Year 2007

March 2008

Work Performed by S.M. Stoller Corporation under DOE Contract No. DE–AM01–07LM00060
for the U.S. Department of Energy Office of Legacy Management, Grand Junction, Colorado

This page intentionally left blank

Contents

Acronyms and Abbreviations v
1.0 Introduction 1–1
1.1 Purpose 1–1
1.2 Summary of 2006 Annual Report 1–1
2.0 Monitoring Program 2–1
2.1 Monitored Natural Attenuation of TCE 2–1
2.2 Confirmatory Sampling for Radium, Barium, Chromium, and Nickel 2–3
2.3 Triggers 2–3
2.4 Deviations from the Sampling Plan 2–4
3.0 Phase I MNA Remedy 3–1
3.1 Monitoring Results 3–1
3.2 Trend Analysis 3–3
3.3 Recommendations 3–4
4.0 Phase I Confirmatory Sampling 4–1
4.1 Barium and Radium Results 4–1
4.2 Chromium and Nickel 4–6
5.0 Inspection of the Monitoring System 5–1
6.0 Data Validation 6–1
7.0 Summary 7–1
7.1 MNA Remedy 7–1
7.2 Radium and Barium 7–1
7.3 Chromium and Nickel 7–2
7.4 Modified Monitoring Program 7–2
8.0 References 8–1

Figures

Figure 2–1. Phase I MNA Remedy Monitoring Locations 2–2
Figure 3–1. TCE Concentrations over Time—1999 through 2007 3–2
Figure 3–2. DCE Concentrations over Time—1999 through 2007 3–3
Figure 4–1. Barium Concentrations over Time—2000 through 2007 4–2
Figure 4–2. Ra-226/228 Levels over Time—2002 through 2007 4–3
Figure 4–3. Sodium Concentrations over Time—2000 through 2007 4–4
Figure 4–4. Chloride Concentrations over Time—2000 through 2007 4–5
Figure 4–5. Chromium Concentrations over Time—2002 through 2007 4–8
Figure 4–6. Nickel Concentrations over Time—2002 through 2007 4–9

Tables

Table 2–1. Remedy (MNA) Monitoring for Phase I 2–3
Table 2–2. Confirmatory Monitoring for Phase I 2–3
Table 2–3. Trigger Levels for Phase I MNA Remedy 2–4
Table 3–1. Summary of VOC Monitoring Results in Phase I for 2007 3–1

Table 3–2. Summary of Trend Analysis Results for TCE in Phase I for 2007 3–4
Table 4–1. Summary of 2007 Confirmatory Monitoring Results for Barium and Radium 4–1
Table 4–2. Summary of 2007 Confirmatory Monitoring Results for Sodium and Chloride 4–4
Table 4–3. Summary of Trend Analysis Results for Barium, Sodium, and Chloride in Phase I for 2007 4–6
Table 4–4. Summary of Confirmatory Monitoring Results for Chromium and Nickel for 2007 4–7
Table 7–1. Monitoring Program Modifications for 2008 7–3

Appendixes

Appendix A Contaminant Distribution Maps
Appendix B Data Validation Reports
Appendix C 2007 Phase I MNA and Confirmatory Sampling Data

Acronyms and Abbreviations

BVA	Buried Valley Aquifer
DCE	dichloroethylene (dichloroethene)
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
LOC	level of concern
µg/L	micrograms per liter
mg/L	milligrams per liter
MNA	Monitored Natural Attenuation
MCL	maximum contaminant level
mL	milliliters
OEPA	Ohio Environmental Protection Agency
OU	Operable Unit
pCi/L	picocuries per liter
Ra-226	radium-226
Ra-228	radium-228
TCE	trichloroethylene (trichloroethene)
VC	vinyl chloride

End of current text

1.0 Introduction

Phase I is an approximately 52-acre area and lies on the southern border of the plant and is made up of three distinct sections of the site property. This area contains monitoring wells that are screened in both the Buried Valley Aquifer (BVA) and the bedrock aquifer system. Monitored Natural Attenuation (MNA) is being used as a remedy for a small, discrete section of the bedrock groundwater system contaminated with trichloroethylene (TCE) to ensure that concentrations of TCE within the bedrock groundwater are decreasing to levels below the Safe Drinking Water Act maximum contaminant level (MCL) and do not impact the downgradient BVA.

Several wells in this area also have levels of barium, radium, chromium, and nickel that exceed MCLs established in the Safe Drinking Water Act. The elevated levels of barium and radium were evaluated and determined to be naturally occurring within the local bedrock matrix serving as the mineral source. The elevated chromium and nickel were determined to be the result of corrosion of the stainless steel well casings. The U.S. Department of Energy (DOE) has committed to monitor selected wells to confirm the results of previous investigations that led to these conclusions.

1.1 Purpose

This Groundwater Monitoring Report was prepared in support of the selected remedy for Phase I as outlined in the Record of Decision (DOE 2003). This report represents the fourth submittal of an annual report documenting the progress of the MNA remedy for Phase I. All sampling and data analyses were performed in accordance with the *Phase I Remedy (Monitored Natural Attenuation) Groundwater Monitoring Plan* (DOE 2004), unless noted.

The report includes data collected during the four quarterly groundwater sampling events performed during 2007. In addition to data collected in support of MNA, additional data are presented in support of the confirmatory monitoring for radium, barium, nickel, and chromium in selected wells located within Phase I. Data are presented in both time series plots and map view plots (Appendix A). Trend analysis was performed on selected wells using the non-parametric Mann-Kendall test. This type of long-term trend analysis can be used to confirm downward trends in contaminant concentrations over time. The time series plots will also be used to evaluate changes in data over time and to interpret the effectiveness of the MNA remedy.

The report also documents any operational changes that occurred during the reporting period and identifies any maintenance or repair activities associated with the monitoring wells being sampled.

1.2 Summary of 2006 Annual Report

The conclusions and recommendations from the 2006 Annual report (DOE 2007) were:

- Volatile organic compound (VOC) data collected in support of the MNA remedy demonstrated that the BVA was not being impacted by the localized low-level TCE contamination in the bedrock groundwater system. TCE concentrations in well 0411 have decreased since monitoring began in 1999; however, concentrations appear to have leveled

off over the past few years. There were no strong trends evident in the VOC data from well 0443 and seep 0617 during 2006.

- Confirmatory sampling for barium and radium continue to show elevated combined Ra-226/228 and barium in well 0445. Combined Ra-226/228 and barium levels remained low in the downgradient BVA wells during 2006. Sampling was to continue since the data did not indicate a decreasing trend toward the MCLs.
- Confirmatory monitoring for nickel and chromium showed that well 0319 had concentrations of nickel above the level of concern (LOC) during 2006. Nickel and chromium concentrations in low-flow samples are consistently higher than samples collected using high-flow methods. It was concluded that the low-flow values do not represent the actual groundwater quality of the aquifer in this area. Monitoring was to continue to obtain additional data to evaluate the trends in chromium and nickel in high-flow samples.

2.0 Monitoring Program

Groundwater in Phase I is monitored for TCE and its degradation products to verify that the concentration of TCE is decreasing by natural attenuation to concentrations less than the MCL and is not impacting the BVA. A groundwater monitoring program was established to ensure that the BVA is not negatively affected by TCE-contaminated groundwater within the Phase I bedrock aquifer system. The objective of this monitoring is to protect the BVA by verifying that the concentration of TCE in the vicinity of well 0411, well 0443, and seep 0617 is decreasing and that TCE is not affecting the BVA. This program may be decreased or terminated when TCE concentrations in well 0411, well 0443, and in seep 0617 meet conditions outlined in the monitoring plan, such as reaching the MCL for four consecutive sampling events.

Although not part of the selected remedy, monitoring is performed to evaluate barium, radium, chromium, and nickel impact in the Phase I groundwater. On the basis of on investigations, none of these parameters were considered to be contaminants of concern in Phase I.

Monitoring of groundwater for barium, radium-226 (Ra-226), and radium-228 (Ra-228) is performed to provide assurance that the understanding of the barium and radium in groundwater is correct. If monitoring indicates that the concentrations are not decreasing below the MCL within a reasonable time frame, the need for an active remediation for these contaminants or additional characterization will be considered. It was concluded from investigations in this area that an upgradient salt source located on the surface had been leaching into the bedrock formation and dissolving naturally occurring barium and radium in a low-flow area of the bedrock aquifer. The salt storage shed was taken out of use in 2003.

Nickel and chromium concentrations in BVA wells 0319 and 0400 and bedrock wells 0399 and 0411 are likely the result of corrosion of the stainless steel well casings and not the result of plant operations (DOE 2002). Monitoring is performed to obtain a more comprehensive set of data to support this conclusion. When nickel and chromium concentrations are steady or decreasing for four consecutive quarters, monitoring for nickel and chromium can be discontinued.

2.1 Monitored Natural Attenuation of TCE

Under the Phase I MNA monitoring program, samples are collected quarterly for selected wells and seeps (Figure 2–1) and analyzed as outlined in Section 4.3 of the Phase I Groundwater Monitoring Plan (DOE 2004) and in Table 2–1. Sampling was performed in February, May, August, and November of 2007.

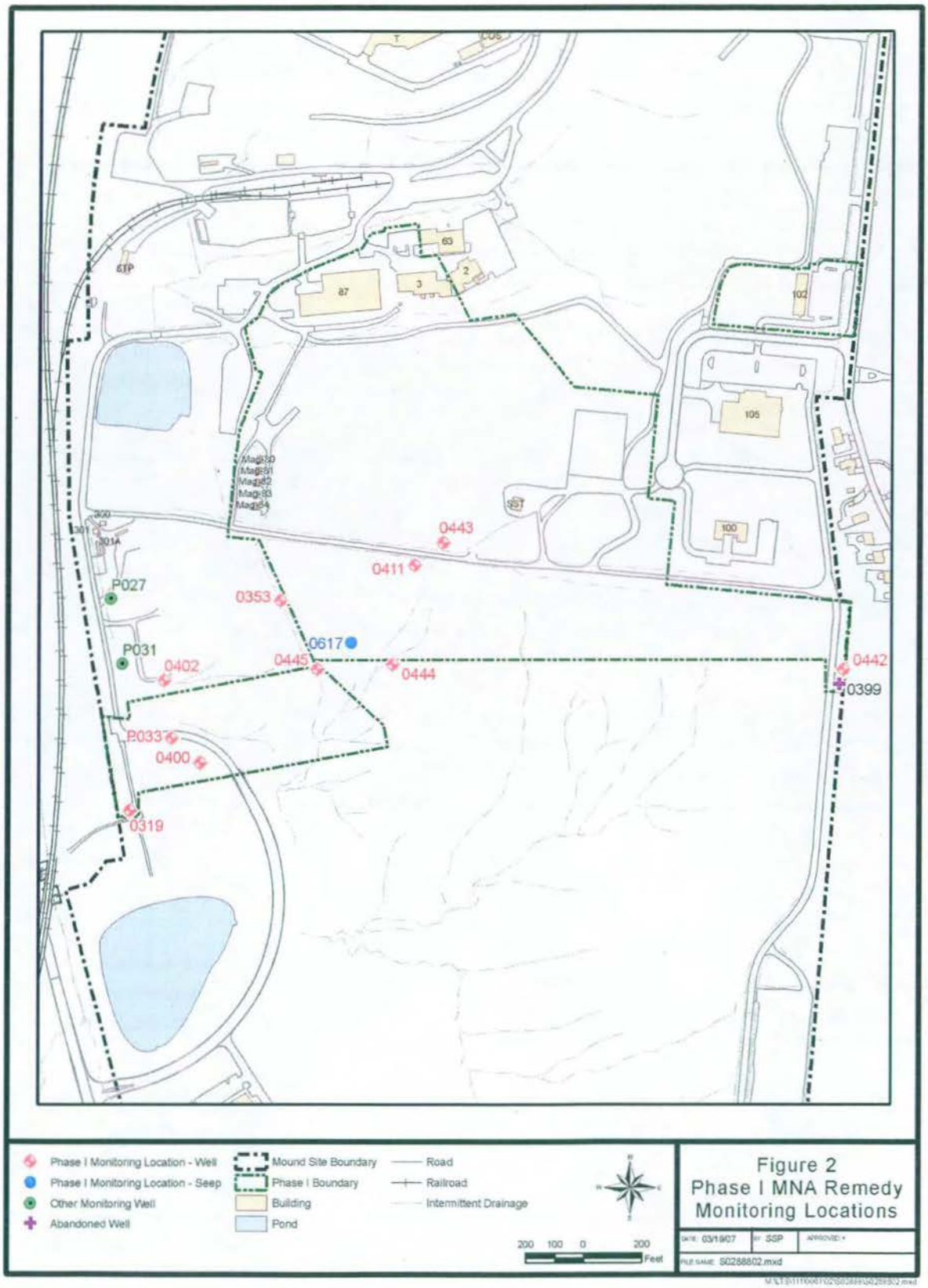


Figure 2–1. Phase I MNA Remedy Monitoring Locations

Table 2–1. Remedy (MNA) Monitoring for Phase I

Monitoring Location	Area	Parameters
Well 0411	Well 0411 area	Trichloroethylene (TCE) Dichloroethylene (DCE) Vinyl chloride (VC)
Well 0443		
Well 0353	Downgradient bedrock monitoring	
Well 0444		
Well 0445		
Seep 0617		
Well 0400	Downgradient BVA monitoring	
Well 0402		
Well P033		

2.2 Confirmatory Sampling for Radium, Barium, Chromium, and Nickel

Confirmatory sampling to support the barium, Ra-226, Ra-228, nickel, and chromium impact are collected quarterly for selected wells as outlined in Table 2–2. Sodium and chloride are also analyzed, as salt is considered the mechanism that has mobilized naturally occurring radium and barium in the bedrock groundwater.

Table 2–2. Confirmatory Monitoring for Phase I

Monitoring Location	Parameters
0319	Chromium, nickel
0400	Barium, Ra-226, Ra-228, chromium, nickel, sodium, chloride
0402	Barium, Ra-226, Ra-228, sodium, chloride
0442	Chromium, nickel
0443	Chromium, nickel
0445	Barium, Ra-226, Ra-228, sodium, chloride
P033	Barium, Ra-226, Ra-228, sodium, chloride

2.3 Triggers

The contaminant data are evaluated against previous data collected at each location to determine if MNA is adequately addressing groundwater impact and to monitor the geochemical conditions in the aquifer. Trigger levels and response actions have been established for each contaminant as presented in the *Phase I Remedy (Monitored Natural Attenuation) Groundwater Monitoring Plan* (DOE 2004). The triggers are summarized in Table 2–3.

Table 2–3. Trigger Levels for Phase I MNA Remedy

Location	TCE (µg/L)	DCE (µg/L)	VC (µg/L)	Ra-226/228 (pCi/L)	Barium (mg/L)	Chromium (µg/L)	Nickel (µg/L)
0319	–	–	–	–	–	100	100
0353	5	70	2	–	–		
0400	5	70	2	5	1	100	100
0402	5	70	2	5	1	–	–
0411	30	70	2	–	–	–	–
0442	–	–	–	–	–	100	100
0443	30	70	2	–	–	100	100
0444	5	70	2	–	–	–	–
0445	5	70	2	75	15	–	–
P033	5	70	2	5	1	–	–
0617 (seep)	16	70	2	–	–	–	–

µg/L = micrograms per liter
pCi/L = picocuries per liter
mg/L = milligrams per liter

Exceeding these trigger levels requires notification to the Ohio Environmental Protection Agency (OEPA) and the U.S. Environmental Protection Agency (EPA). After notification, the Core Team (OEPA, EPA, and DOE) will determine an appropriate course of action.

2.4 Deviations from the Sampling Plan

The analytical method (8260B) used during 2007 resulted in a higher method detection limit (MDL) (5 micrograms per liter [µg/L]) than had previously been used in the Phase I area. Previous samples had been analyzed using method 8021B or 8260B with a lower specified detection limit. This has resulted in non-detect data points appearing to be higher than typical when graphed or used in calculations. Values measured between the instrument detection limit and MDL are reported as estimated values and given a "J" qualifier, meaning that the compound was detected, but the lab is not as confident in determining the low-level concentration. These J-flagged data are reported and used in the database and reports. The data where no detectable concentrations were reported are consistent with previous data. Estimated data are also consistent with previous data. The use of higher detection limits will be rectified in 2008, and the lower detection limit of 1 µg/L will be used.

3.0 Phase I MNA Remedy

3.1 Monitoring Results

Monitoring results for 2007 (Table 3–1) show continued low-level TCE and *cis*-1,2-dichloroethylene (DCE) detections in wells 0411 and 0443 and in seep 0617. All VOC concentrations were below the applicable trigger levels (Table 2–3). Concentrations of TCE in wells 0411 and 0443 and seep 0617 exceed the MCL of 5 µg/L. No detectable concentrations of vinyl chloride were reported for any of the Phase I locations. Low levels of TCE (estimated values) were reported at one location in the BVA. No detectable concentrations of other VOCs were reported in the BVA.

Table 3–1. Summary of VOC Monitoring Results in Phase I for 2007

Well ID	Location	Parameter	Q1	Q2	Q3	Q4
0353	Bedrock	TCE (µg/L)	< 5	< 5	< 5	< 5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0400	BVA	TCE (µg/L)	< 5	< 5	< 5	< 5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0402	BVA	TCE (µg/L)	0.29 (J)	< 5	0.86 (J)	1.1 (J)
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0411	0411 Area	TCE (µg/L)	12.7	12.1	15.2	12.3
		cis-1,2-DCE (µg/L)	1.7 (J)	1.6 (J)	2.7 (J)	0.92 (J)
		VC (µg/L)	< 5	< 5	< 5	< 5
0443	0411 Area	TCE (µg/L)	12.3	3.1	11.7	12.1
		cis-1,2-DCE (µg/L)	< 5	0.71 (J)	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0444	Bedrock	TCE (µg/L)	< 5	< 5	< 5	< 5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0445	Bedrock	TCE (µg/L)	< 5	< 5	< 5	< 5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
P033	BVA	TCE (µg/L)	< 5	< 5	< 5	< 5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5
0617	Seep/Bedrock	TCE (µg/L)	3.6 (J)	10.4	5.0 (J)	8.5
		cis-1,2-DCE (µg/L)	< 5	< 5	< 5	< 5
		VC (µg/L)	< 5	< 5	< 5	< 5

J = Estimated value less than the reporting limit

TCE concentrations in well 0411 (Figure 3–1) have decreased over time since monitoring began in 1999; however concentrations appear to have leveled off near 12 µg/L over the past few years. The time-concentration plots for well 0443 and seep 0617 indicate that concentrations are

variable and typically less than those in well 0411. TCE levels in these two wells and the seep continue to exceed the MCL of 5 µg/L.

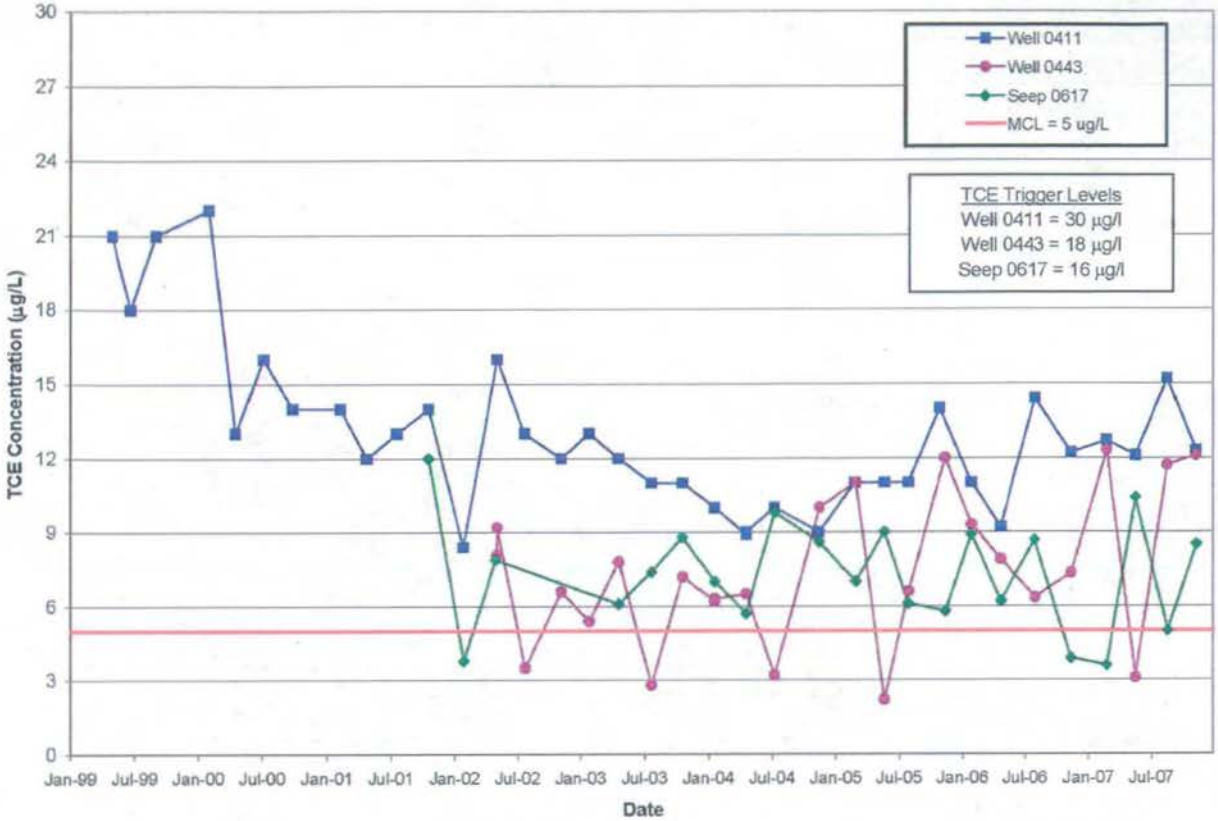


Figure 3–1. TCE Concentrations over Time—1999 through 2007

Low-level detects (values estimated below the detection limit) of TCE in 2007 were reported in well 0402 and were less than the MCL. It is suspected that the TCE reported for this location is not the result of TCE migration from the 0411/0443 area. No detectable concentrations were reported for wells 0353 and 0445, which are located between 0402 and the TCE source area wells. The source of TCE in well 0402 is likely groundwater from the neighboring and upgradient Operable Unit (OU)-1 area. Nearby OU-1 wells P027 and P031 had TCE concentrations ranging from 0.2 µg/L to 4 µg/L during 2007.

DCE in groundwater (Figure 3–2) does not show the same trends as TCE. Concentrations in well 0411 and seep 0617 have been variable and within the same range of concentrations. An estimated detect was reported during the second quarter in well 0443. Low levels of DCE were consistently detected in well 0443 previously.

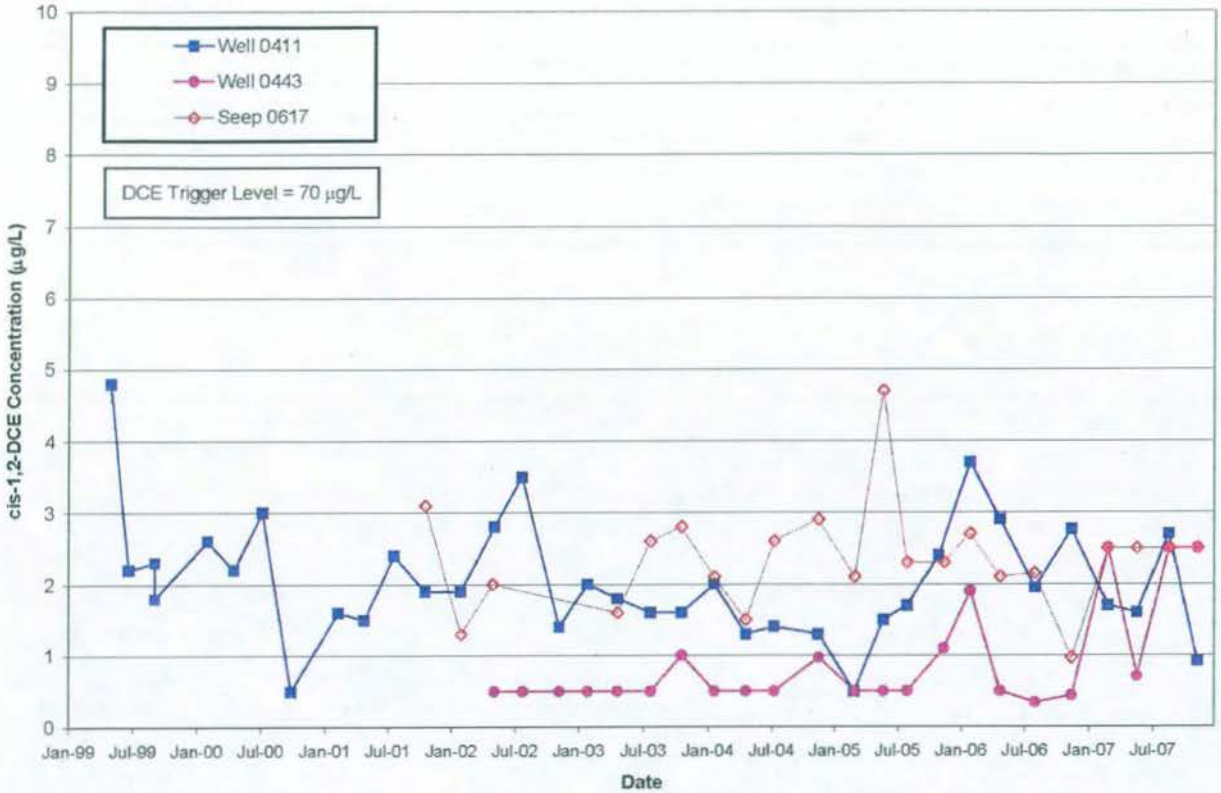


Figure 3–2. DCE Concentrations over Time—1999 through 2007

The distributions of TCE and DCE in groundwater (Appendix A, Figure A–1) indicate that impact is localized near wells 0411 and 0443. Downgradient seep 0617 also has elevated levels of TCE. Downgradient bedrock wells do not have detectable concentrations of TCE or DCE. Low levels of TCE were present in well 0402, but the distribution of TCE does not support that the source is the 0411/0443 area. TCE and DCE remain undetected in the remainder of the downgradient BVA wells. Figure A–1 depicts the annual averages of TCE and DCE in the monitoring network.

3.2 Trend Analysis

Trend analysis was performed on TCE data using the non-parametric Mann-Kendall test. This test is used for temporal trend identification because it does not require the data to conform to a particular distribution (such as a normal or log-normal distribution). This type of long-term trend analysis can be used to confirm downward trends in contaminant concentrations over time.

Trend analysis for TCE data collected since 1999 indicates a downward trend in well 0411. Data collected for the past 5 years (2003–2007) indicate stable concentrations. No trend was determined for well 0443 or seep 0617. Trend analysis did not indicate any trends in DCE concentrations over time at the wells or seep. A summary of the trend results for TCE is presented in Table 3–2.

Table 3–2. Summary of Trend Analysis Results for TCE in Phase I for 2007

Location	No. of Samples	Trend	Slope (µg/L/year)	Confidence Interval (µg/L/year)	
				Lower	Upper
0411	35	Down	−0.62	−1.06	−0.13
0443	23	None	–	–	–
0617	23	None	–	–	–

3.3 Recommendations

The quarterly monitoring frequency was established on the basis of concentration trends previously observed in the monitoring network. It was considered during development of the MNA sampling program that VOC concentrations were not expected to fluctuate rapidly and that quarterly monitoring was sufficient to capture changes in the groundwater quality.

Trend analysis has shown that TCE concentrations have decreased over time in well 0411 since sampling was started in 1999. Over the last 5 years, concentrations have remained stable at the two TCE source wells (0411 and 0443) and seep 0617. On the basis of stable groundwater quality in this area, it is recommended that the monitoring frequency be reduced to semiannual starting in 2008. Sampling will be performed during the first and third quarters of the year in an effort to bracket possible seasonal variations.

4.0 Phase I Confirmatory Sampling

4.1 Barium and Radium Results

Data collected from well 0445 have shown elevated barium concentrations and total combined radium levels in excess of the MCLs. The groundwater chemistry in this well is not observed in any other bedrock or BVA well located in this area and is likely due to the interaction of surface salt and the underlying bedrock. Data are being collected to monitor for changes in the groundwater quality and to better understand the mechanisms for the increased mobility of barium and radium in this discrete portion of the bedrock aquifer.

4.1.1 Monitoring Results

Monitoring results for 2007 (Table 4–1) show elevated combined Ra-226/228 and barium concentrations in well 0445. Radium levels reported for well 0445 exceeded the 75 picocuries per liter (pCi/L) LOC during the third and fourth sampling events in 2007. Radium levels at this location have exceeded the LOC on previous sampling events. Combined Ra-226/228 and barium levels remain low in the downgradient BVA wells. Barium results did not exceed the applicable LOC in any of the wells; however, the MCL of 2,000 µg/L continues to be exceeded in well 0445.

Table 4–1. Summary of 2007 Confirmatory Monitoring Results for Barium and Radium

Well ID	Location	Parameter	Q1	Q2	Q3	Q4
0400	BVA	Combined Ra-226/228 (pCi/L)	2.78	1.11	1.23	1.06
		Barium (µg/L)	50.1 (J)	78.0 (J)	86.8 (J)	90.9 (J)
0402	BVA	Combined Ra-226/228 (pCi/L)	1.29	1.16	0.74	1.31
		Barium (µg/L)	53.3 (J)	51.4 (J)	69.8 (J)	65.1 (J)
0445	0445 Area	Combined Ra-226/228 (pCi/L)	3.17	12.5	**75.2**	**111.4**
		Barium (µg/L)	98.0 (J)	543	4,570	7,560
P033	BVA	Combined Ra-226/228 (pCi/L)	1.65	1.19	1.60	1.09
		Barium (µg/L)	100	92.0 (J)	77.7 (J)	85.7 (J)

J = Estimated value less than the reporting limit.
Concentrations in bold exceeded the applicable LOC.
Ra-226/228 LOC = 75 pCi/L for well 0445 and 5 pCi/L for the remainder of the wells.
Barium LOC = 15,000 µg/L for well 0445 and 1,000 µg/L for the remainder of the wells.

Figure 4–1 shows that barium concentrations vary over time in wells 0445 and P033, and that the higher concentrations and greater variability are in well 0445. Concentrations in these two wells show some similar changes over time. The concentrations of barium over time in both of these wells indicate a slight decrease starting in 2004. This decrease coincides with the removal of the salt from the storage area (SST building) in 2003. The concentrations in 0445 have not approached the MCL of 2,000 µg/L. Barium concentrations in P033 have fallen within the background range in 2007.

Barium levels have been relatively stable over time in wells 0400 and 0402; both are BVA wells located downgradient of well 0445. These wells do not indicate similar fluctuations in concentrations as compared to wells 0445 and P033. The levels of barium in wells 0400 and

0402 are similar to background (193.3 µg/L). Background values were obtained from the *OU9 Hydrogeologic Investigation—Groundwater Sweeps Report, Mound Plant*, Revision 1 (DOE 1996).

During the first and second quarters of 2007, substantially decreased concentrations of barium were reported for well 0445. Similar decreases were observed in levels of radium, as well as concentrations of sodium and chloride, at this location. The coincident decreases in radium, barium, sodium, and chloride in well 0445 provide supporting evidence that salt is the release mechanism for the radium and barium in the bedrock (shale).

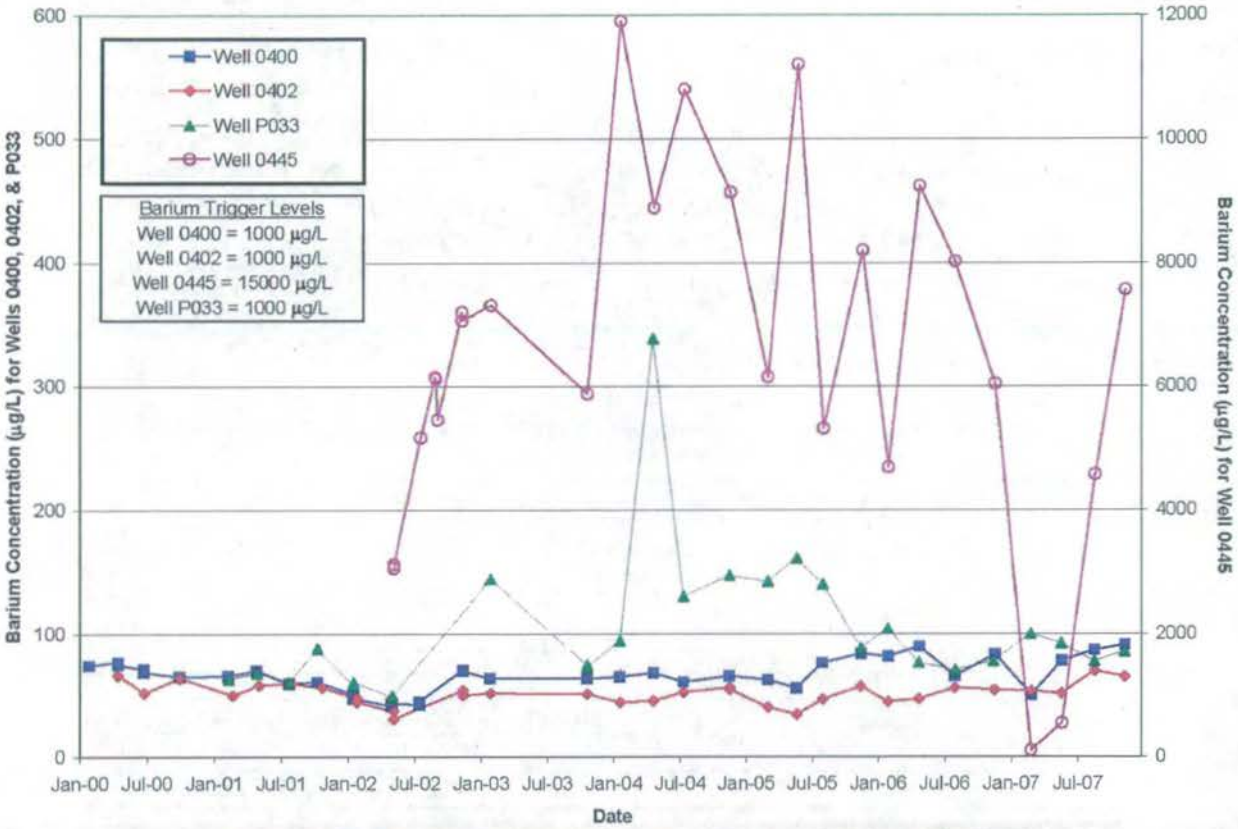


Figure 4–1. Barium Concentrations over Time—2000 through 2007

Figure 4–2 shows that radium levels vary over time in well 0445. The levels of combined Ra 226/228 typically exceed the 75 pCi/L LOC. Radium levels have been relatively stable over time in wells 0400, 0402 and P033, which are BVA wells located downgradient of well 0445. These wells do not indicate similar fluctuations in concentrations as compared to well 0445.

The levels of radium in the BVA wells (0400, 0402, and P033) are similar to background (0.47 pCi/L for Ra-226). Background values were obtained from the *OU9 Hydrogeologic Investigation—Groundwater Sweeps Report, Mound Plant,* Revision 1 (DOE 1996).

During the first and second quarters of 2007, substantially decreased levels of combined Ra-226/228 were reported for well 0445. Values were less than the 75 pCi/L LOC. Similar decreases were observed for barium, sodium, and chloride at this location. The behaviors of barium and

radium in groundwater in this area are similar. This similarity is not unexpected, as both metals have similar properties (alkali earth metals).

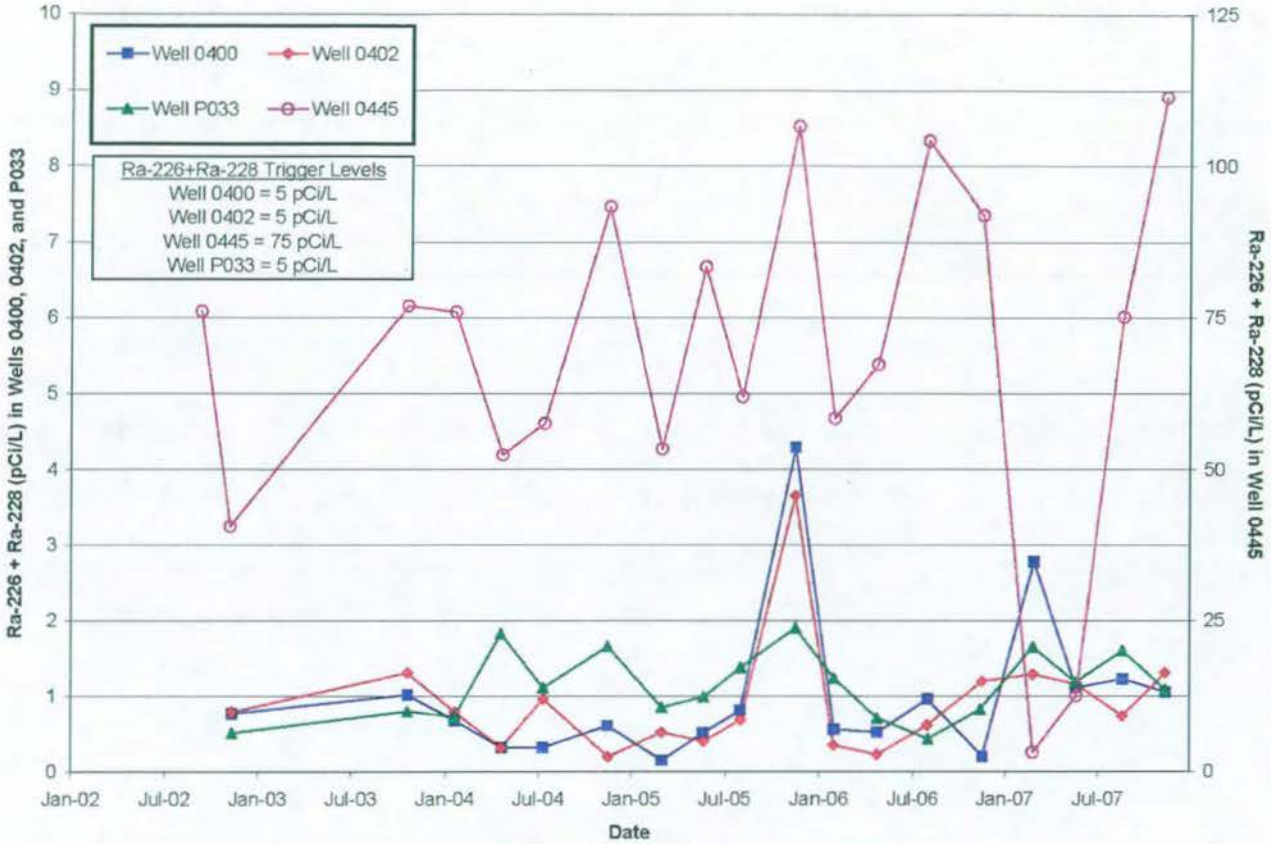


Figure 4–2. Ra-226/228 Levels over Time—2002 through 2007

The distribution of barium and radium in groundwater (Appendix A, Figure A–2) indicates that impact is primarily associated with well 0445. Barium and radium levels remain similar to background in the downgradient BVA wells. Figure A–2 depicts the annual averages of barium and radium in the monitoring network.

Sodium and chloride are monitored in conjunction with radium and barium because the salt is considered the mechanism that has resulted in elevated radium and barium in the bedrock groundwater system. Salt was no longer stored in the SST building after 2003. Sodium and chloride monitoring results (Table 4–2) indicate that the highest concentrations occur in well 0445, which is the location where elevated radium and barium levels are detected.

Table 4–2. Summary of 2007 Confirmatory Monitoring Results for Sodium and Chloride

Well ID	Location	Parameter	Q1	Q2	Q3	Q4
0400	BVA	Chloride (mg/L)	35.6	65.4	70.8	92.3
		Sodium (mg/L)	16.5	41.2	49.5	58.3
0402	BVA	Chloride (mg/L)	68.8	80.8	85.5	95.7
		Sodium (mg/L)	51.2	41.1	63.0	64.9
0445	0445 Area	Chloride (mg/L)	145	1,460	9,320	11,900
		Sodium (mg/L)	107	893	3,590	4,900
P033	BVA	Chloride (mg/L)	201	232	92.4	124
		Sodium (mg/L)	117	137	68.1	0.95 (J)

mg/L – milligrams per liter
J – estimated value less than the detection limit

Sodium and chloride concentrations over time (Figure 4–3 and Figure 4–4) have been stable in BVA wells 0400 and 0402. The concentrations of sodium and chloride are elevated in wells 0445 and P033 and show substantial variation over time. Elevated concentrations of sodium have been reported in BVA well P033, which also has had increased radium and barium levels; however, levels deceased significantly in 2007. Substantial decreases in sodium and chloride concentrations were reported in well 0445 and are similar to the changes observed in barium and radium levels at this location.

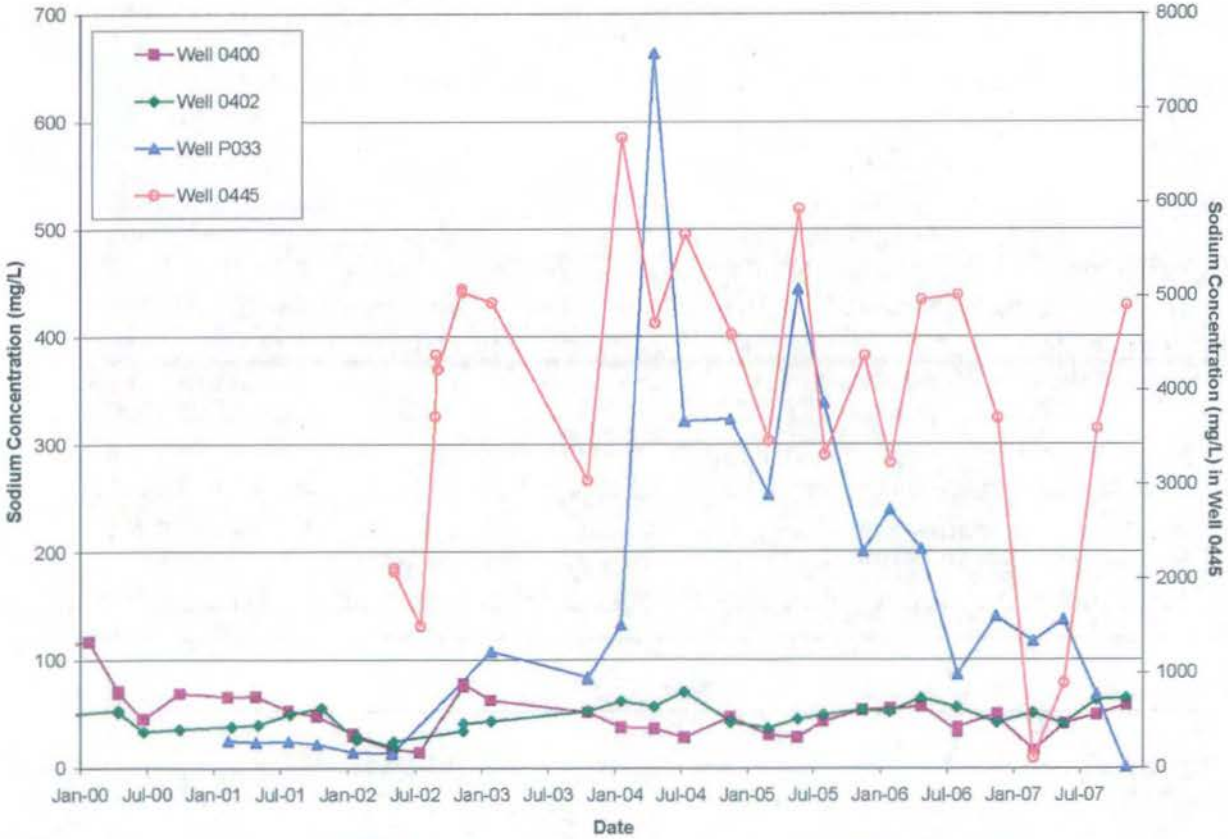


Figure 4–3. Sodium Concentrations over Time—2000 through 2007

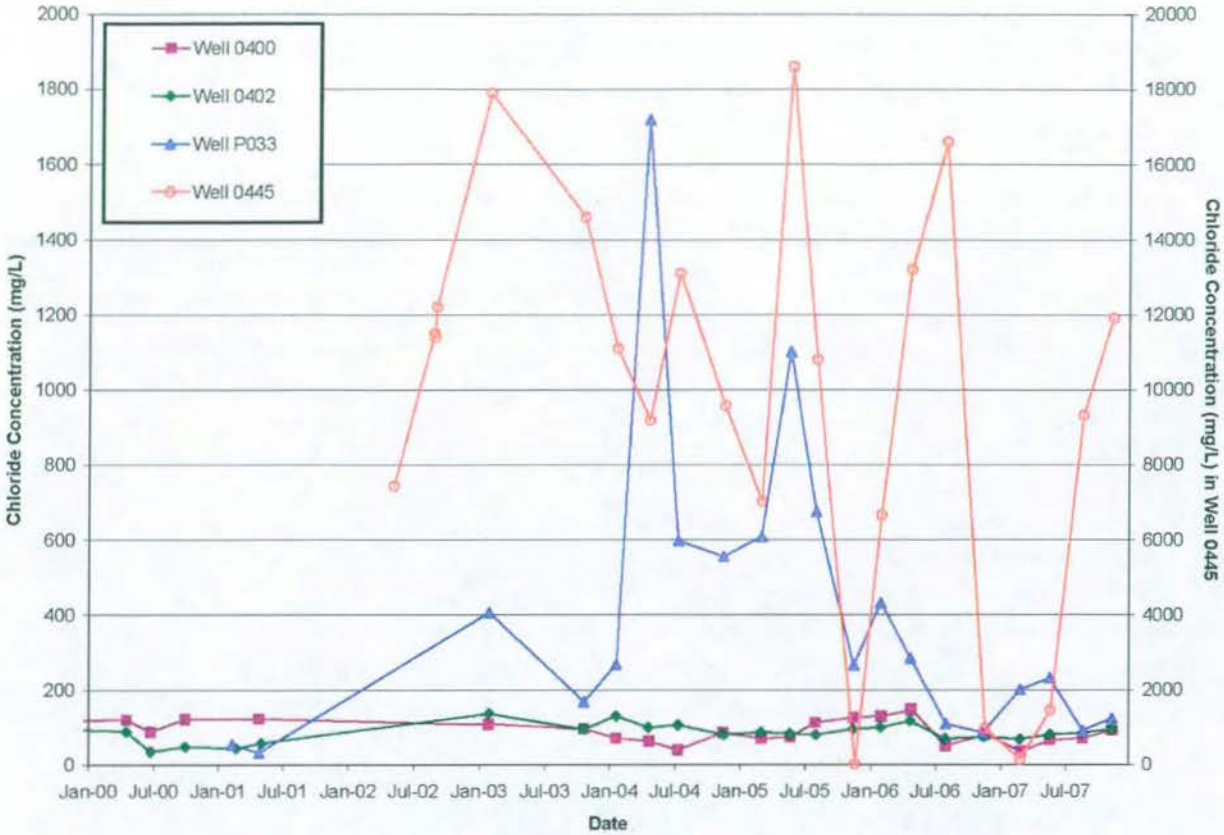


Figure 4–4. Chloride Concentrations over Time—2000 through 2007

Review of the sodium and chloride data indicates that well P033 shows a delayed and lower concentration response to the elevated levels observed in well 0445. This observation is illustrated in both the sodium and chloride data. The response between well 0445 and P033 indicates connectivity and suggests that well P033 is a good downgradient monitoring point for impact in well 0445. It is apparent that groundwater affected by salt is stored in the lower permeable bedrock near well 0445, resulting in greater contact time with the shale that likely is the source of barium and radium. This well cannot sustain low-flow sampling methods (purge rates on the order of 500 mL/minute) and requires more than 24 hours to recharge after purging. Naturally occurring barium and radium are leached from the bedrock and put into solution in this discrete portion of the saturated bedrock.

4.1.2 Trend Analysis

Trend analysis was performed on barium, radium, sodium, and chloride data using the non-parametric Mann-Kendall test. This test is used for temporal trend identification because it does not require the data to conform to a particular distribution (such as a normal or log-normal distribution). This type of long-term trend analysis can be used to confirm downward trends in contaminant concentrations over time.

Trending was performed on data from 2004 through 2007, as this set of data reflects possible influence from the removal of salt from the SST building. Trend analysis for barium indicates a downward trend in wells 0445 and P033. No trend in barium concentrations was determined for

wells 0400 and well 0402. Trend analysis did not indicate any trends in radium concentrations over time at the wells. Only BVA well P033 indicated a presence of trends (downward) in sodium and/or chloride. A summary of the trend results for barium, sodium, and chloride is presented in Table 4–3.

Table 4–3. Summary of Trend Analysis Results for Barium, Sodium, and Chloride in Phase I for 2007

Location	Parameter	No. of Samples	Trend	Slope (mg/L/year)	Confidence Interval (mg/L/year)	
					Lower	Upper
0445	Barium	16	Down	–1.98	–3.33	–0.46
P033	Barium	16	Down	–0.02	–0.04	–0.005
	Sodium	16	Down	–177	–304	–66
	Chloride	16	Down	–95	–152	–64

4.1.3 Recommendations

The quarterly sampling frequency was selected during development of the monitoring program to provide sufficient data to determine changes in the quality of the bedrock groundwater and downgradient BVA. Barium has remained below the LOC since monitoring was started and concentrations are trending downward in wells 0445 and P033. Total combined radium has been less than the LOC in wells 0400, 0402, and P033 since the start of monitoring. The levels of radium in 0445 have been variable over time and have consistently been greater than the LOC, but have not shown an increasing trend over time. The levels of salt (as indicated by sodium and chloride concentrations) have been low in wells 0400 and 0402, likely indicating no impact. Well P033 has shown connection with well 0445 on the basis of similar or lagged changes in sodium and chloride data over time. Trends in sodium and chloride concentrations over time have been determined to be downward in well P033.

Because of the stable groundwater quality in the area and decreasing trends in some constituents, it is recommended that the sampling frequency be reduced to semiannually. Also, on the basis of the evidence of a connection between wells 0445 and P033, it is recommended that sampling be discontinued at wells 0400 and 0402.

4.2 Chromium and Nickel

Nickel and chromium MCL exceedences have been measured in BVA wells 0319 and 0400 and in bedrock wells 0399 and 0411. Studied have indicated that these exceedences are likely related to corrosion of the stainless steel well casings and are not the result of plant operations. Data are collected in the BVA wells using high-flow sampling methods to determine the ambient chromium and nickel concentrations in wells 0319 and 0400. Wells 0442 and 0443 (both constructed from PVC) are monitored as "mirror" wells to wells 0399 and 0411 for the same purpose. Well 0442 was installed upgradient of well 0399 (abandoned) and well 0443 was installed upgradient of well 0411.

4.2.1 Monitoring Results

Monitoring results (Table 4–4) continue to indicate elevated levels of chromium and nickel in wells 0319 and 0400, especially under low-flow sampling conditions. Nickel concentrations in

the low-flow samples from well 0319 exceeded the 100 µg/L LOC; however, the concentrations have been steady. The chromium results for well 0400 during the third quarter exceed the 100 µg/L LOC.

Table 4–4. Summary of Confirmatory Monitoring Results for Chromium and Nickel for 2007

Well ID	Location	Parameter	Q1	Q2	Q3	Q4
0319	BVA	Chromium (µg/L) – Low	61.8	94.0	32.6	24.7
		Chromium (µg/L) – High	5.8	5.6	10.3	< 1
		Nickel (µg/L) – Low	**461**	**201**	**297**	**178**
		Nickel (µg/L) – High	41.3	35.4	42.7	40.0
0400	BVA	Chromium (µg/L) – Low	32.4	82.9	**200**	55.5
		Chromium (µg/L) – High	30.9	22.1	15.0	23.5
		Nickel (µg/L) – Low	14.6	46.9	46.7	34.9
		Nickel (µg/L) – High	10.1	18.5	19.9	12.8
0442	Bedrock	Chromium (µg/L)	< 1	< 1	< 1	< 1
		Nickel (µg/L)	< 1	< 1	1.7 (J)	< 1
0443	Bedrock	Chromium (µg/L)	1.3	< 1	49.0	29.9
		Nickel (µg/L)	1.9 (J)	< 1	24.3	19.4

J = Estimated value less than the reporting limit.
"High" and "Low" denotes sampling flow conditions.
Concentrations in bold exceeded the applicable LOC.
Chromium LOC = 100 µg/L.
Nickel LOC = 100 µg/L.

Chromium concentrations (Figure 4–5) have fluctuated over time, and the highest fluctuations are observed in wells 0319 and 0400. These wells are sampled under both low-flow and high-flow conditions to evaluate the source of chromium at these locations. Concentrations are greater under low-flow conditions at both locations. Chromium in samples from well 0400 exceeded the 100 µg/L level of concern once during 2007 when sampled using low-flow conditions. None of the high-flow samples collected during 2007 had chromium concentrations that exceeded the 100 µg/L LOC.

Chromium concentrations in bedrock wells 0442 and 0443 are typically low and are similar to background (1.93 µg/L). Background values were obtained from the *OU9 Hydrogeologic Investigation—Groundwater Sweeps Report, Mound Plant* (DOE 1996). These wells were installed to "mirror" stainless steel wells 0399 and 0411. However, during the third and fourth quarters of 2007, elevated concentrations of chromium were reported in well 0443.

Figure 4–5. Chromium Concentrations over Time—2002 through 2007

Nickel concentrations (Figure 4–6) do not fluctuate over time like chromium. The highest concentrations are in well 0319. Well 0400 has slightly elevated concentrations compared to levels in the downgradient wells. These wells are sampled under both low-flow and high-flow conditions. Concentrations are higher under low-flow conditions. None of the high-flow samples collected during 2007 had nickel concentrations that exceeded the trigger level of 100 µg/L. Only the low-flow samples collected at well 0319 had nickel concentrations that exceeded the trigger level.

Nickel concentrations in bedrock wells 0442 and 0443 are typically low and are similar to background (7.73 µg/L). Background values were obtained from the *OU9 Hydrogeologic Investigation—Groundwater Seeps Report, Mound Plant* (DOE 1996). These wells were installed to "mirror" stainless steel wells 0399 and 0411. However, during the third and fourth quarters of 2007, elevated concentrations of nickel were reported in well 0443.

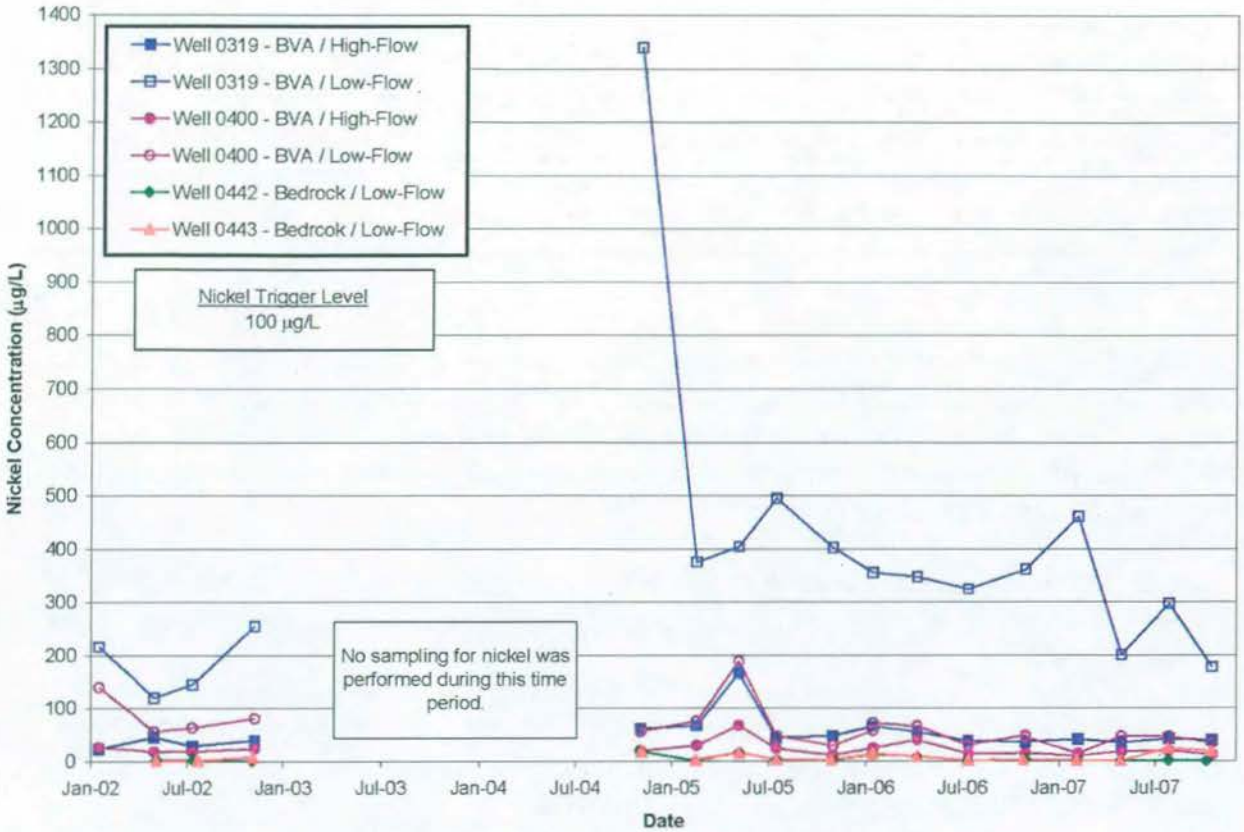


Figure 4–6. Nickel Concentrations over Time—2002 through 2007

Review of the data indicates that levels of chromium and nickel in low-flow samples from wells 0319 and 0400 are consistently higher than those collected under high-flow conditions. This has been consistent since sampling using the two methods began in 2004. It has been considered that the high-flow samples better represent the groundwater quality in this area. Data from 2007 indicated that the turbidity of the low-flow samples is generally higher than that measured in the high-flow samples. Data from the low-flow samples likely reflect nickel and chromium that have leached from the well casing and have adhered to colloids in the aquifer matrix. When the samples are preserved, these metals are leached into solution and result in elevated concentrations of chromium and nickel. These values do not represent the actual groundwater quality of the aquifer in this area.

Until recently, the chromium and nickel concentrations in the bedrock wells 0442 and 0443 showed that the concentrations of these two metals in the bedrock groundwater were low and similar to background concentrations. This was expected, as these two wells were installed in close proximity to wells 0399 and 0411 (stainless steel wells that had anomalously high concentrations of chromium and nickel) to determine the groundwater quality in these two discrete areas. A cause for the increase in well 0443 cannot be identified.

The distribution of chromium and nickel in groundwater (Appendix A, Figure A–3) indicates that the presence of these constituents in high concentrations is primarily associated with wells 0319 and 0400 when sampled under low-flow conditions. Both wells are constructed of stainless steel and are situated in the BVA. It is likely that the geochemistry of the aquifer in the vicinity of these wells has resulted in leaching of these metals from the stainless steel casings.

This can be a common occurrence in aquifers that have fine-grained reducing environments (oxidation-reduction potential averages: - 20 millivolt [mV] in 0319 and 52 mV in 0400). The results for the high-flow sampling indicate much lower concentrations. Sampling at well 0442 has not duplicated the elevated concentrations measured at well 0399. Until recently, the values measured at 0411 had not been duplicated at 0443. Figure A–3 depicts the annual average concentrations of chromium and nickel in the monitoring network.

4.2.2 Trend Analysis

Trend analysis was performed on chromium and nickel data collected since 2002 using the non-parametric Mann-Kendall test. This test is used for temporal trend identification because it does not require the data to conform to a particular distribution (such as a normal or log-normal distribution). This type of long-term trend analysis can be used to confirm downward trends in contaminant concentrations over time.

Trend analysis does not indicate a trend in chromium data collected under either low-flow or high-flow conditions in wells 0319 or 0400. No trends were indicated in chromium data from wells 0442 or 0443.

Trend analysis indicates a slight downward trend (–0.008 mg/L/year) in nickel (under low-flow conditions) in well 0400. Results from the remainder of the locations did not indicate a trend in the data collected under either low-flow or high-flow conditions.

4.2.3 Recommendations

Chromium and nickel concentrations have been less than the 100 µg/L trigger since confirmatory sampling was started in wells 0319 and 0400, when sampled using high-flow methods. No upward trends in chromium concentrations have been identified in either well under low-flow or high-flow conditions. A slight downward trend in nickel concentrations has been identified for well 0400 under low-flow conditions. It is recommended that confirmatory sampling at both of these locations be discontinued because the groundwater quality has been stable for an extended period of time.

Concentrations of both chromium and nickel have also been less than 100 µg/L in bedrock wells 0442 and 0443, which were installed to monitor ambient groundwater quality in the vicinity of wells 0399 and 0411, respectively. No upward trends in chromium or nickel concentrations have been identified in either well. It is recommended that confirmatory sampling at well 0442 be discontinued because the groundwater quality in this well has been stable. However, because of recent changes in chromium and nickel concentrations in well 0443, monitoring will continue into 2008.

5.0 Inspection of the Monitoring System

During 2007, excessive vegetation was cleared from the immediate area around the monitoring wells, and the protective casings and bollards (where present) were painted and minor repairs made as required to address deficiencies identified during the five-year review inspection performed in August 2006 (DOE 2006). Though not necessary to the protectiveness of the remedy, but as a best management practice, it was determined that the condition of the monitoring wells needed to be improved. The protective casings and concrete pads were in disrepair, and many did not have adequate protection (i.e., bollards) from vehicular traffic. Excessive vegetation was present around all the monitoring wells and the seep.

A routine maintenance program has been established for the long-term groundwater monitoring locations at the Mound site. This program includes periodic inspections, generally performed at each sampling event, of the integrity of the wells and the condition of the protective casing and surface pad as well as the surrounding area and access. Neglect of these wells could lead to failure of the surface seals and the potential for migration of contamination from surface sources into the subsurface. The primary deficiency identified in 2007 was that permanent identification markers have not been installed at wells 0442, 0443, 0444, 0445, and P033. This was also a finding during the 2006 inspection.

During the November sampling event, ponded water was present around well 0353. Inadequate drainage exists in the vicinity of this well because of a soil stockpile located immediately south of the well. This stockpile should be removed in the near future, and adequate drainage will return. In the interim, the stockpile has been trenched to allow for better drainage.

Starting in 2008, dedicated bladder pumps will replace the non-dedicated sample pumps for groundwater sampling. The dedicated pumps were installed prior to the February 2008 sampling event. Attempts to sample all locations using low-flow methods (rates at approximately 500 mL/minute) will be made. If a location cannot sustain a low flow rate, the well will be evacuated and sampled at a later time (12 to 24 hours) using the dedicated pump. Bailers will no longer be used. This should cause less agitation of the water column during sampling and result in less volatilization of VOCs and a reduction in turbidity of the samples.

End of current text

6.0 Data Validation

Data for each quarter were validated in accordance with procedures specified in the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P). This procedure also fulfills the requirements of applicable procedures in the *Mound Methods Compendium* (MD 80045). Data validation packages are provided in Appendix B. A summary of all the data for 2007, including data validation qualifiers, is presented Appendix C.

Under both programs, laboratory performance is assessed by reviewing and evaluating the following quality indicators:

- Sample shipping and receiving practices
- Chain of custody
- Laboratory blanks
- Preparation blanks
- Laboratory replicates
- Serial dilutions
- Detection limits
- Peak integrations
- Radiochemical uncertainty
- Holding times
- Instrument calibrations
- Interference check samples
- Matrix spike/duplicates
- Laboratory control samples
- Sample dilutions
- Surrogate recoveries
- Confirmation analyses
- Electronic data

End of current text

7.0 Summary

This report documents the groundwater sampling results for the MNA remedy for Phase I groundwater. Additionally, analytical results associated with confirmatory monitoring for radium, barium, chromium, and nickel in Phase I are also included.

7.1 MNA Remedy

The objective of the MNA monitoring is to protect the BVA by verifying that the concentrations of TCE in the vicinity of well 0411, well 0443, and seep 0617 are decreasing to levels below the MCL and that TCE is not impacting the BVA.

The distribution of TCE in groundwater indicates that impact is still associated with wells 0411 and 0443. Downgradient seep 0617 also has elevated levels of TCE. TCE levels in well 0411 have decreased since monitoring began in 1999, and concentrations have leveled off over the past five years. These trends have been verified using statistical analysis. Data from well 0443 and seep 0617 do not indicate any trends in the concentrations over time. Concentrations at these three monitoring locations continue to exceed the MCL of 5 µg/L. Estimated detects of TCE were reported at one location in the BVA; however, the source of TCE is not the 0411/0443 area. TCE remains undetected in the remainder of the downgradient BVA wells.

Monitoring associated with the MNA remedy will continue. It is recommended that sampling frequency be reduced to semiannually on the basis of stable TCE concentrations in the area.

7.2 Radium and Barium

Groundwater monitoring for barium, Ra-226, and Ra-228 is performed to provide assurance that the understanding of the barium and radium in groundwater is correct. If monitoring indicates that the concentrations are not decreasing below the MCL within a reasonable time frame, enhancements to the remedy need to be considered. Sodium and chloride are monitored in conjunction with radium and barium because the salt is considered the mechanism that has resulted in elevated radium and barium in the bedrock groundwater system.

Monitoring results for 2007 show elevated combined Ra-226/228 concentrations in well 0445 that continue to exceed the LOC (75 pCi/L). Barium results for this well did not exceed the LOC (15,000 µg/L); however, the MCL of 2,000 µg/L continues to be exceeded at this location. During the first and second quarters of 2007, both barium and radium levels dramatically decreased in this well. The lower concentrations were due to a substantial decrease in salt (as measured by sodium and chloride) during the same time period. This coincident decrease supports the theory that salt has mobilized barium and radium in the groundwater. The concentration of barium over time in well 0445 indicates a downward trend since 2004; however, the concentrations have not approached the MCL of 2,000 µg/L.

Combined Ra-226/228 and barium levels remain low in the downgradient BVA wells. Low levels of radium and barium have been detected in well P033. The concentration of barium in well P033 also shows a downward trend since 2004. The levels of barium and radium in the remaining two BVA wells are similar to background.

Sodium and chloride monitoring results indicate that the highest concentrations occur in well 0445, where elevated radium and barium are also detected. Elevated concentrations of sodium

and chloride are also reported in well P033, which also has increased radium and barium levels. Sodium and chloride concentrations have exhibited a downward trend over time in well P033. Review of the sodium and chloride data indicates that well P033 shows a delayed and lower concentration response to the elevated levels observed in well 0445. The response between wells 0445 and P033 indicates connectivity and suggests that well P033 is a good downgradient monitoring point for impact in well 0445.

It is recommended that the sampling frequency of barium and total combined radium be reduced to semiannually on the basis of the stable groundwater quality and decreasing trends of some constituents. Also it is recommended that confirmatory sampling for radium and barium be limited to wells 0445 and P033, as data from these two locations have indicated a hydraulic connection.

7.3 Chromium and Nickel

Nickel and chromium concentrations in BVA wells 0319 and 0400 and bedrock wells 0399 and 0411 are likely the result of corrosion of the stainless steel well casings and not the result of plant operations (DOE 2002). Monitoring is performed to obtain a more comprehensive set of data to support this conclusion. When nickel and chromium concentrations are steady or decreasing for four consecutive quarters, monitoring for these constituents can be discontinued.

Review of the data indicates that nickel and chromium concentrations in low-flow samples from wells 0319 and 0400 are consistently higher than those in samples collected under high-flow conditions, and this difference has been consistent since sampling began in 2004. Data from 2007 and previous years indicate that the turbidity of the low-flow samples is generally higher than that measured in the high-flow samples. The data from the low-flow samples likely reflect nickel and chromium that have leached from the well casing and have adhered to colloids in the aquifer matrix. When the samples are preserved, these metals are leached into solution and result in elevated concentrations of chromium and nickel. The low-flow values do not represent the actual groundwater quality of the aquifer in this area.

None of the wells had chromium or nickel concentrations that exceeded the 100 μg/L trigger during 2007. This applies to wells 0319 and 0400 when sampled under high-flow conditions. It is recommended that confirmatory sampling for chromium and nickel be discontinued at wells 0319, 0400, and 0442 because the groundwater quality in these well has been stable. However, because of recent changes in chromium and nickel concentrations in well 0443, monitoring will continue into 2008.

7.4 Modified Monitoring Program

On the basis of data collected during 2007 and the evaluation of the complete dataset for Phase I, several modifications to the monitoring program have been recommended for 2008. Table 7–1 summarizes the recommended changes for the MNA and confirmatory sampling programs.

Table 7–1. Monitoring Program Modifications for 2008

Location	Sampling Frequency		Parameters
	Present	2008	
▪ Phase I MNA Program			
Well 0353	Quarterly	Semiannually	Trichloroethylene *cis*-1,2-dichloroethylene *trans*-1,2-dichloroethylene Vinyl chloride
Well 0400			
Well 0402			
Well 0411			
Well 0443			
Well 0444			
Well 0445			
Well P033			
Seep 0617			
▪ Confirmatory Sampling—Barium and Radium			
Well 0400	Quarterly	Not sampled	Barium Ra-226 and Ra-228 Sodium Chloride
Well 0402		Not sampled	
Well 0445		Semiannually	
Well P033		Semiannually	
▪ Confirmatory Sampling—Chromium and Nickel			
Well 0319	Quarterly	Not sampled	Chromium Nickel
Well 0400		Not sampled	
Well 0442		Not sampled	
Well 0443		Quarterly	

End of current text

8.0 References

DOE (U.S. Department of Energy), 1996. *OU9 Hydrogeologic Investigation – Groundwater Sweeps Report, Mound Plant* (Revision 1), prepared by BWXT of Ohio, Inc for the U.S. Department of Energy, Ohio Field Office.

DOE (U.S. Department of Energy), 2002. *Sampling Investigation to Determine the Nature of Elevated Chromium and Nickel Levels in Two Stainless Steel Monitoring Wells at Mound,* prepared by BWXT of Ohio, Inc for the U.S. Department of Energy, Ohio Field Office, October.

DOE (U.S. Department of Energy), 2003. *Phase I Record of Decision, Miamisburg Closure Project* (Final), prepared by the Miamisburg Closure Project, for the U.S. Department of Energy, Ohio Field Office, July.

DOE (U.S. Department of Energy), 2004. *Phase I Remedy (Monitored Natural Attenuation) Groundwater Monitoring Plan* (Final), prepared by CH2M Hill - Miamisburg Closure Project, for the U.S. Department of Energy, Ohio Field Office, September.

DOE (U.S. Department of Energy), 2007. *Phase I Groundwater Monitoring Report Calendar Year 2006*, prepared by S.M. Stoller Corporation under DOE Contract No. DE-AC01-02GJ94491 for the U.S. Department of Energy Office of Legacy Management, Grand Junction Colorado, March.

STO 6. *Environmental Procedures Catalog*, continually updated, prepared by S.M. Stoller Corporation for the U.S. Department of Energy, Office of Legacy Management, Grand Junction, Colorado.

MD-80045 – *Mound Methods Compendium*, Issue 2, prepared by BWXT of Ohio, Inc.

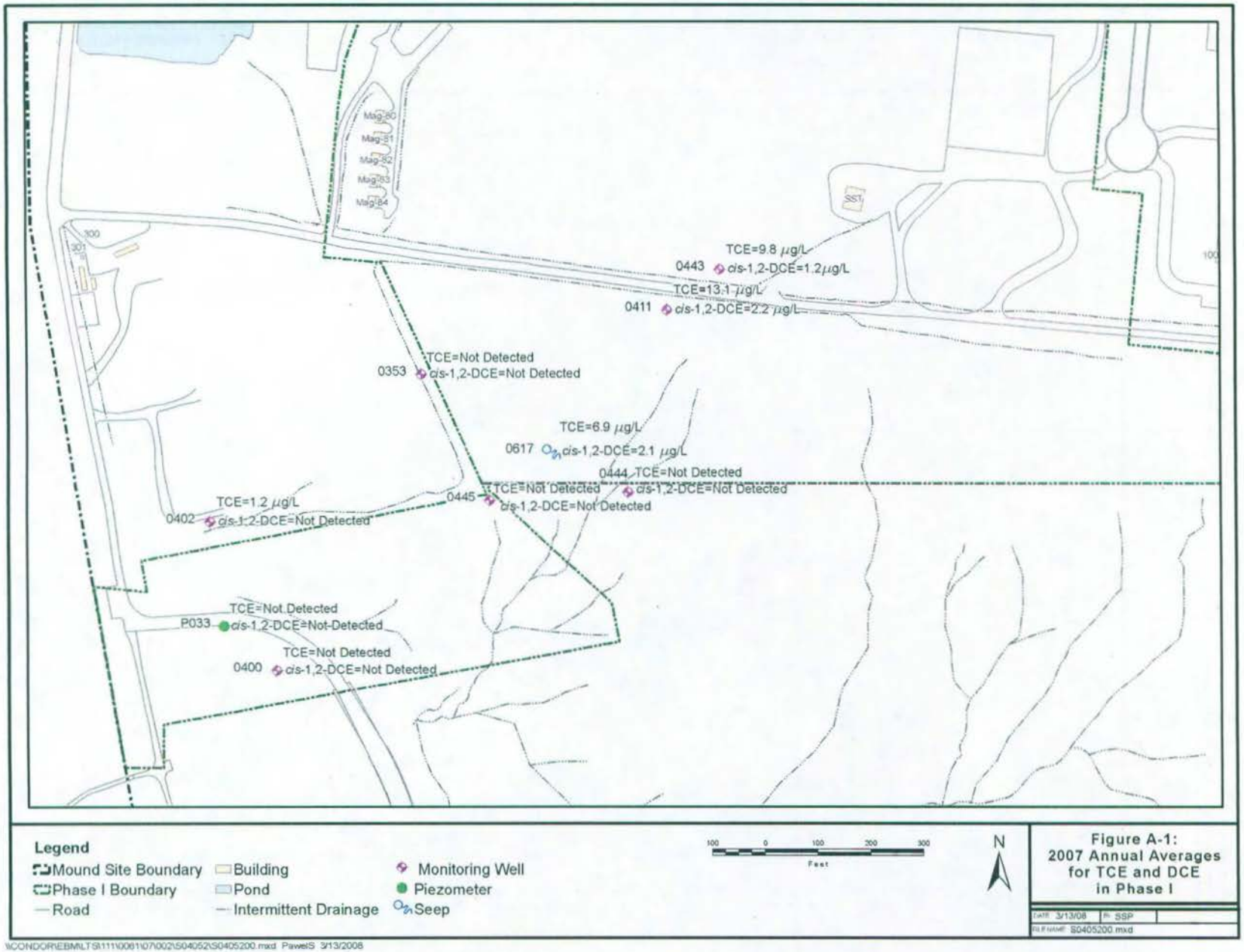
End of current text

Appendix A

Appendix A

Contaminant Distribution Maps

This page intentionally left blank


Mag-80
Mag-81
Mag-82
Mag-83
Mag-84
SST
100
TCE=9.8 µg/L
0443 cis-1,2-DCE=1.2µg/L
TCE=13.1 µg/L
0411 cis-1,2-DCE=2.2 µg/L
TCE=Not Detected
0353 cis-1,2-DCE=Not Detected
TCE=6.9 µg/L
0617 cis-1,2-DCE=2.1 µg/L
0444 TCE=Not Detected
cis-1,2-DCE=Not Detected
0445 TCE=Not Detected
cis-1,2-DCE=Not Detected
TCE=1.2 µg/L
0402 cis-1,2-DCE=Not Detected
TCE=Not Detected
P033 cis-1,2-DCE=Not-Detected
TCE=Not Detected
0400 cis-1,2-DCE=Not Detected
Legend
Mound Site Boundary
Phase I Boundary
Road
Building
Pond
Intermittent Drainage
Monitoring Well
Piezometer
Seep
100 0 100 200 300
Feet
N
Figure A-1:
2007 Annual Averages
for TCE and DCE
in Phase I
DATE 3/13/08
BY SSP
FILE NAME S0405200.mxd
\\CONDOR\EBM\LTS\111\0061\07\002\S04052\S0405200.mxd PawelS 3/13/2008

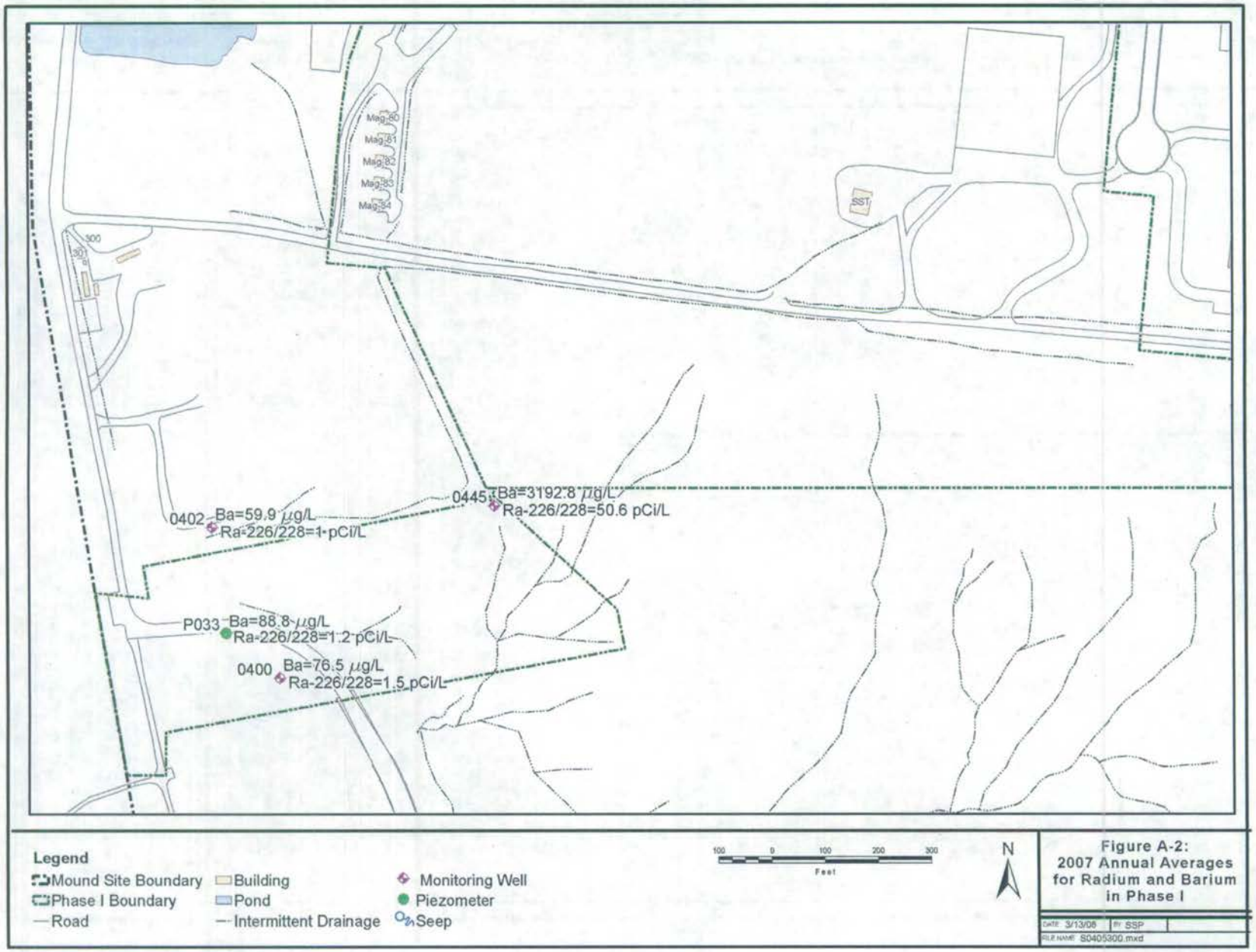


Figure A-2: 2007 Annual Averages for Radium and Barium in Phase I

Date 3/13/08 By SSP
FILE NAME S0405300.mxd

M:\LTS\111\0061\07\002\S04053\S0405300.mxd PawelS 3/13/2008

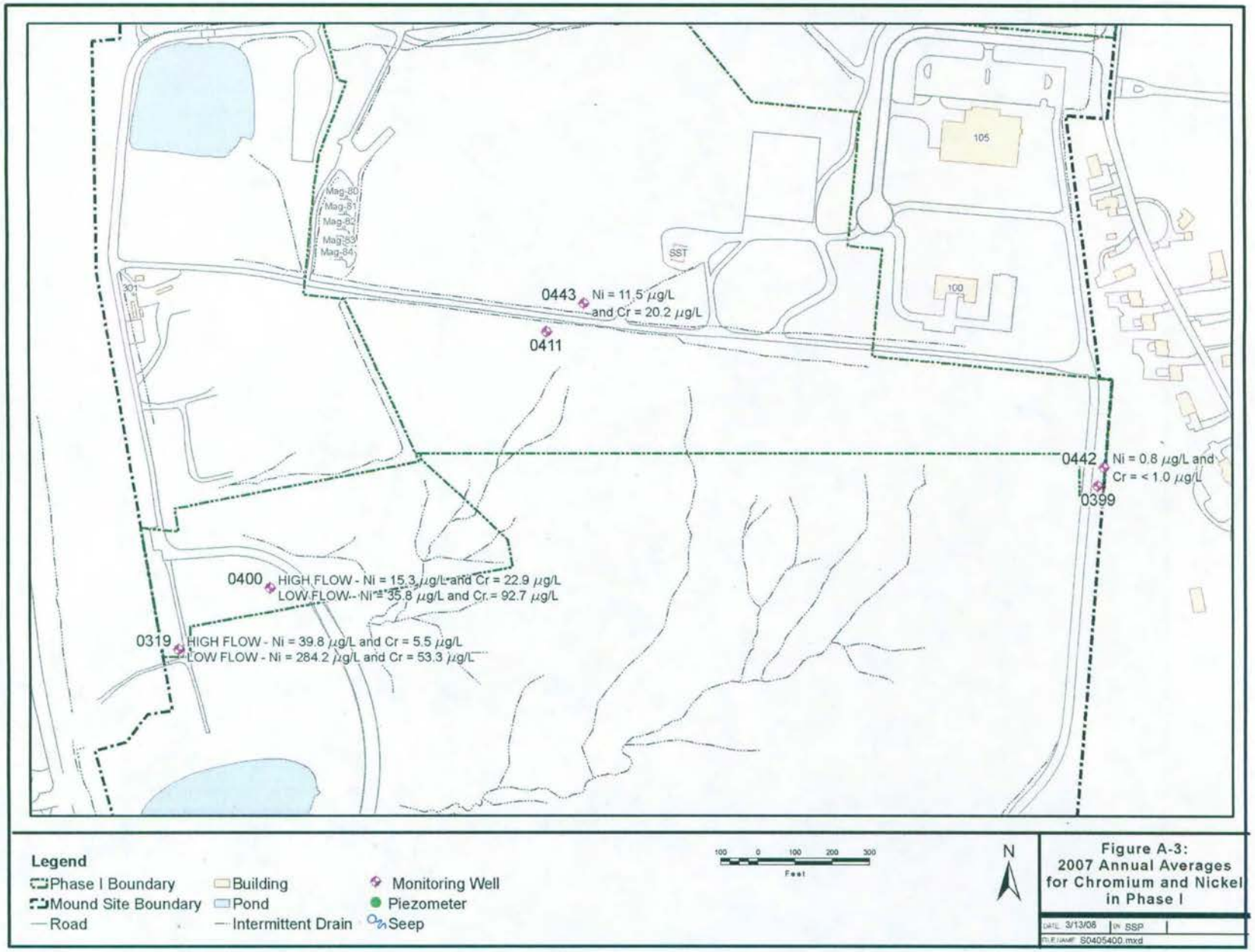


Figure A-3: 2007 Annual Averages for Chromium and Nickel in Phase I

DATE 3/13/08 BY SSP
FILE NAME S0405400.mxd

M:\LTS\111\0061\07\S04054\S0405400.mxd PawelS 3/13/2008

End of current text

Appendix B

Appendix B

Data Validation Reports

This page intentionally left blank

Stoller
Legacy Management Team

Stoller • Battelle • Source One

Data Review and Validation Report

General Information

Requisition No. (RIN):	07030755
Sample Event:	February 26, 2007 – March 2, 2007
Site(s):	Mound, Ohio
Laboratory:	General Engineering Laboratories, Charleston, SC
Work Order No.:	181791
Analysis:	Metals, Organics, Wet Chemistry, Radiochemistry
Validator:	Steve Donivan
Review Date:	May 2, 2007

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2006). The procedure was applied at Level 2, Data Deliverables Verification. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Chloride	WCH-A-011	EPA 300.0	EPA 300.0
Metals, Ba, Cr, Na, Ni	MET-A-020	SW-846 3005A	SW-846 6010B
Radium-226	GPC-A-018	EPA 903.1 Mod	EPA 903.1 Mod
Radium-228	GPC-A-020	EPA 904.0 Mod	EPA 904.0 Mod
Strontium-90	GPC-A-009	EPA 905.0 Mod	EPA 905.0 Mod
Tritium	LCS-A-001	EPA 906.0 Mod	EPA 906.0 Mod
Volatile Organics, VOA	VOA-A-009	SW-846 5030B	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
181791-003	0387	Chloroform	U	Less than 5 times the trip blank
181791-007	0311	Tritium	J	Less than 3 times the MDC
181791-008	0601	Strontium-90	J	Less than 3 times the MDC

181791-008	0601	Radium-226	J	Less than 3 times the MDC
181791-010	0402	Radium-226	J	Less than 3 times the MDC
181791-014	P033	Radium-226	J	Less than 3 times the MDC
181791-014	P033	Radium-228	J	Less than 3 times the MDC
181791-017	0400	Radium-228	J	Less than 3 times the MDC
181791-021	0445	Radium-228	J	Less than 3 times the MDC
181791-023	0998	Radium-228	J	Less than 3 times the MDC
181791-026	0605	Chloroform	U	Less than 5 times the trip blank

Sample Shipping/Receiving

General Engineering Laboratories, in Charleston, South Carolina, received 29 water samples on March 3, 2007, accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact with the temperature within the chilled cooler of 4.0° C, which complies with requirements.. All samples were received in the correct container types and had been preserved correctly for the requested analyses. Sample analysis was completed within the applicable holding times.

Laboratory Instrument Calibration

Data for this RIN were report at Analysis Service Level C (results plus quality control) and do not include calibration data.

Method SW-846 8260B, Volatiles

Internal standard recoveries and surrogate recoveries were within the acceptance ranges for all samples.

Method Blanks

All method blank results were below the practical quantitation limits for all analytes.

Equipment Blank

An equipment blank was collected after completion of decontamination and prior to collection of environmental samples. These blanks are useful in documenting adequate decontamination of sampling equipment. 2-Butanone, barium, bromodichloromethane, chloride, chloroform, dibromochloromethane, radium-228, and sodium were detected in the trip blank. Sample results that are less than five times the equipment blank results are qualified with a "U" flag as not detected.

Trip Blank

A trip blank was collected to document contamination attributable to shipping and field handling procedures. This type of blank is useful in documenting contamination of volatile organic samples. Bromodichloromethane, chloroform, and dibromochloromethane were detected in the trip blank. Sample results that are less than five times the trip blank results are qualified with a "U" flag as not detected.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples (MS/MSD) were analyzed for VOAs and metals as a measure of method performance in the sample matrix. The MS and MSD met the acceptance for all analytes.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory control sample duplicate samples and MSD sample results for all analytes were less than 20 percent indicating acceptable precision.

Laboratory Control Sample

Laboratory control samples (LCS) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for barium, chromium, nickel, and sodium to monitor chemical or physical interferences in the sample matrix. All of the serial dilution results met the acceptance criteria.

Radiochemical Analysis

Radiochemical results are qualified with a "J" flag (estimated) when the result is greater than the minimum detectable concentration (MDC), but less than three times the MDC. Radiochemical results are qualified with a "U" flag (not detected) when the result is greater than the MDC, but less than the two sigma total propagated uncertainty (TPU).

Field Duplicate

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates which measure only laboratory performance. A duplicate samples was collected from locations 0400 and 0601. The duplicate results met the U.S. Environmental Protection Agency (EPA) recommended laboratory duplicate criteria of having a relative percent difference (RPD) of less than 20 percent for results that are greater than five times the practical quantitation limit indicating acceptable precision.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes with the exception for tritium for samples 0601 and 9601. The tritium concentrations in these samples were greater than five times the minimum detectable concentration.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Report Prepared By: _____

Laboratory Coordinator

SAMPLE MANAGEMENT SYSTEM

EDD Non-Conformance Report

Report Date: 4/3/2007

EDD File: \\condor\sms\07030755\07030755.txt

EDD Errors: 0

Record	Error Type	Field	Error Description

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 07030755 **Lab Code:** GEN **Validator:** Steve Donivan **Validation Date:** 5/1/2007

Project: Mound LTS&M Ground Water **Analysis Type:** ☑ Metals ☑ General Chem ☑ Rad ☑ Organics

# of Samples: 29 **Matrix:** WATER **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	There are 2 detection limit failures.
☑ Field/Trip Blanks	There were 2 trip/equipment blanks evaluated.
☑ Field Duplicates	There were 2 duplicates evaluated.

SAMPLE MANAGEMENT SYSTEM

RIN: 07030755 Lab Code: GEN

Non-Compliance Report: Detection Limits

Project: Mound LTS&M Ground Water

Validation Date: 5/1/2007

Ticket	Location	Lab Sample ID	Method Code	Lab Method	Analyte Name	Result	Qualifier	Reported Detection Limit	Required Detection Limit	Units
FES 804	601	181791008	LSC-A-001	EPA 906.0 Modified	Tritium	117000		477	400	pCi/L
FES 830	9601	181791029	LSC-A-001	EPA 906.0 Modified	Tritium	115000		472	400	pCi/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 8260B	2-Butanone (Lab Contaminant)	3.2	J	100	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	100	1	U		
181791002	100	1	U		
181791003	100	1	U		
181791004	100	1	U		
181791005	100	1	U		
181791006	100	1	U		
181791007	100	1	U		
181791008	100	1	U		
181791009	100	1	U		
181791010	100	1	U		
181791011	100	1	U		
181791012	100	1	U		
181791013	100	1	U		
181791014	100	1	U		
181791017	100	1	U		
181791018	100	1	U		
181791021	100	1	U		
181791022	100	1	U		
181791025	100	1	U		
181791026	100	1	U		
181791027	100	1	U		
181791028	100	1	U		
181791029	100	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 3005/6010B	Barium	1.18	J	1	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791010	53.3	1	J		
181791014	100	1			
181791017	50.1	1	J		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023		Barium				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791018	50	1	J		
181791021	98	1	J		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 8260B	Bromodichloromethane	0.886	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	5	1	U		
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		
181791025	5	1	U		
181791026	5	1	U		
181791027	5	1	U		
181791028	5	1	U		
181791029	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 300.0	Chloride	1.96		0.066	mg/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791010	68.8	10		U	
181791012	206	20			
181791014	201	20			
181791015	129	10			
181791017	35.6	5		U	
181791018	35.5	5		U	
181791020	389	50		U	
181791021	143	10			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 8260B	Chloroform	0.572	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	0.252	1	J	U	
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023		Chloroform				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791025	5	1	U		
181791026	0.306	1	J	U	
181791027	5	1	U		
181791028	5	1	U		
181791029	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 8260B	Dibromochloromethane	1.07	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	5	1	U		
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		
181791025	5	1	U		
181791026	5	1	U		
181791027	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023		Dibromochloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791028	5	1	U		
181791029	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 904.0 Modified	Radium-228	1.47		0.681	pCi/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791008	0.546	1	U		
181791010	0.48	1	U		
181791014	0.757	1		J	
181791017	0.839	1		J	
181791018	0.243	1	U		
181791021	1.97	1		J	
181791029	0.298	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	181791023	EPA 3005/6010B	Sodium	2590	J	45	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791010	51200	1			
181791012	96800	5			
181791014	117000	5			
181791015	83200	1			
181791017	16500	1			
181791018	16500	1			
181791020	337000	5			
181791021	107000	5			

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	181791024	EPA 8260B	Bromodichloromethane	2.78	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	5	1	U		
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		
181791025	5	1	U		
181791026	5	1	U		
181791027	5	1	U		
181791028	5	1	U		
181791029	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	181791024	EPA 8260B	Chloroform	9.22		5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	0.252	1	J	U	

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	181791024		Chloroform				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		
181791025	5	1	U		
181791026	0.306	1	J	U	
181791027	5	1	U		
181791028	5	1	U		
181791029	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	181791024	EPA 8260B	Dibromochloromethane	1.34	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791001	5	1	U		
181791002	5	1	U		
181791003	5	1	U		
181791004	5	1	U		
181791005	5	1	U		
181791006	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	181791024		Dibromochloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
181791007	5	1	U		
181791008	5	1	U		
181791009	5	1	U		
181791010	5	1	U		
181791011	5	1	U		
181791012	5	1	U		
181791013	5	1	U		
181791014	5	1	U		
181791017	5	1	U		
181791018	5	1	U		
181791021	5	1	U		
181791022	5	1	U		
181791025	5	1	U		
181791026	5	1	U		
181791027	5	1	U		
181791028	5	1	U		
181791029	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Duplicate: 1400 Sample: 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	100	U		100	U				ug/L
Barium	50.1	J		50	J		0.20		ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chloride	35.6			35.5			0.28		mg/L
Chlorobenzene	5	U		5	U				ug/L
Chloroethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07030755 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 5/1/2007

Duplicate: 1400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
Chromium	32.4			47.3			37.39		ug/L
cis-1,2-Dichloroethylene	5	U		5	U				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
Nickel	14.6	J		16.5	J		12.22		ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	1.94		0.538	1.69		0.562		0.6	pCi/L
Radium-228	0.839		0.455	0.243	U	0.462		1.8	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Sodium	16500			16500			0		ug/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	5	U		5	U				ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	5	U		5	U				ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

Duplicate: 9601 **Sample:** 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07030755 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 5/1/2007

Duplicate: 9601 Sample: 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	100	U		100	U				ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chlorobenzene	5	U		5	U				ug/L
Chloroethane	5	U		5	U				ug/L
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
cis-1,2-Dichloroethylene	1.5	J		1.52	J				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07030755 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 5/1/2007

Duplicate: 9601 **Sample:** 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	0.838		0.402	0.26	U	0.271		2.3	pCi/L
Radium-228	0.546	U	0.492	0.298	U	0.381		0.8	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Strontium-90	1.64		0.681	1.85		0.51		0.5	pCi/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	10.6			10.7					ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	5.08			5.27					ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Tritium	117000		3060	115000		3000	1.72	0.9	pCi/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
Barium	03/13/2007							OK	104.0	104.0		2.0		5.6	
Chromium	03/13/2007							OK	101.0	102.0					
Nickel	03/13/2007							OK	102.0	100.0		8.0			
Sodium	03/13/2007							OK	103.0			2.0		4.8	

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
0138	VOAs	03/08/2007					89.0	99.0	91.0	95.0				
0301	VOAs	03/08/2007					90.0	98.0	91.0	96.0				
0311	VOAs	03/08/2007					90.0	100.0	92.0	96.0				
0353	VOAs	03/08/2007					89.0	97.0	90.0	96.0				
0386	VOAs	03/08/2007					90.0	97.0	92.0	95.0				
0387	VOAs	03/08/2007					87.0	96.0	90.0	94.0				
0389	VOAs	03/08/2007					89.0	97.0	92.0	98.0				
0392	VOAs	03/08/2007					89.0	99.0	92.0	95.0				
0400	VOAs	03/08/2007					93.0	98.0	92.0	97.0				
0402	VOAs	03/08/2007					90.0	99.0	90.0	98.0				
0411	VOAs	03/08/2007					90.0	96.0	90.0	97.0				
0443	VOAs	03/08/2007					89.0	95.0	91.0	96.0				
0444	VOAs	03/08/2007					94.0	99.0	93.0	98.0				
0445	VOAs	03/08/2007					90.0	98.0	90.0	97.0				
0601	VOAs	03/08/2007					90.0	99.0	92.0	97.0				
0617	VOAs	03/08/2007					92.0	98.0	92.0	97.0				
0998	VOAs	03/08/2007					89.0	95.0	90.0	95.0				
1400	VOAs	03/08/2007					92.0	97.0	91.0	99.0				

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
LCS	1,1-Dichloroethene	03/08/2007					87.0	95.0	90.0	94.0	114.0			
LCS	Benzene	03/08/2007									91.0			
LCS	Chlorobenzene	03/08/2007									94.0			
LCS	Toluene	03/08/2007									94.0			
LCS	Trichloroethene	03/08/2007									97.0			
Method Blank	VOAs	03/08/2007					87.0	94.0	90.0	94.0				
MS	1,1-Dichloroethene	03/08/2007					91.0	95.0	94.0	97.0		116.0	114.0	1.00
MS	Benzene	03/08/2007										99.0	98.0	1.00
MS	Chlorobenzene	03/08/2007										99.0	95.0	5.00
MS	Toluene	03/08/2007										100.0	96.0	4.00
MS	Trichloroethene	03/08/2007										101.0	99.0	2.00
MSD	VOAs	03/08/2007					88.0	96.0	93.0	92.0				
P033	VOAs	03/08/2007					92.0	98.0	92.0	97.0				
0602	VOAs	03/09/2007					89.0	98.0	92.0	96.0				
0605	VOAs	03/09/2007					89.0	98.0	92.0	97.0				
0607	VOAs	03/09/2007					91.0	100.0	92.0	98.0				
0999	VOAs	03/09/2007					91.0	98.0	93.0	98.0				
LCS	1,1-Dichloroethene	03/09/2007					88.0	95.0	91.0	93.0	114.0			

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
LCS	1,1-Dichloroethene	03/09/2007					87.0	98.0	92.0	94.0	112.0			
LCS	Benzene	03/09/2007									94.0			
LCS	Benzene	03/09/2007									91.0			
LCS	Chlorobenzene	03/09/2007									93.0			
LCS	Chlorobenzene	03/09/2007									93.0			
LCS	Toluene	03/09/2007									94.0			
LCS	Toluene	03/09/2007									95.0			
LCS	Trichloroethene	03/09/2007									97.0			
LCS	Trichloroethene	03/09/2007									96.0			
Method Blank	VOAs	03/09/2007					87.0	95.0	91.0	93.0				
Method Blank	VOAs	03/09/2007					87.0	98.0	91.0	94.0				
MS	1,1-Dichloroethene	03/09/2007					86.0	99.0	93.0	94.0		110.0	110.0	0
MS	Benzene	03/09/2007										90.0	91.0	1.00
MS	Chlorobenzene	03/09/2007										90.0	91.0	0
MS	Toluene	03/09/2007										89.0	91.0	2.00
MS	Trichloroethene	03/09/2007										93.0	94.0	1.00
MSD	VOAs	03/09/2007					90.0	98.0	94.0	95.0				
0608	VOAs	03/12/2007					85.0	94.0	89.0	94.0				

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
Duplicate	Radium-226	03/13/2007						0.70
LCS	Radium-226	03/13/2007				100.0		
Method Blank	Radium-226	03/13/2007	0.2620	U				
MS	Radium-226	03/13/2007					97.0	
1400	Radium-228	03/13/2007			69.0			
0998	Radium-228	03/13/2007			58.0			
0402	Radium-228	03/13/2007			66.0			
P033	Radium-228	03/13/2007			67.0			
9601	Radium-228	03/13/2007			64.0			
0445	Radium-228	03/13/2007			64.0			
Duplicate	Radium-228	03/13/2007						1.00
0601	Radium-228	03/13/2007			62.0			
LCS	Radium-228	03/13/2007				119.0		
Method blank	Radium-228	03/13/2007	0.3040	U				
MS	Radium-228	03/13/2007					122.0	
0400	Radium-228	03/13/2007			72.0			
0601	Strontium-90	03/20/2007			93.0			
9601	Strontium-90	03/20/2007			94.0			
Duplicate	Strontium-90	03/20/2007						1.00
LCS	Strontium-90	03/20/2007				108.0		
Method Blank	Strontium-90	03/20/2007	0.2400	U				
MS	Strontium-90	03/20/2007					113.0	
Duplicate	Tritium	03/23/2007						0.40
LCS	Tritium	03/23/2007				95.0		
Method Blank	Tritium	03/23/2007	-54.9000	U				
MS	Tritium	03/23/2007					102.0	

SAMPLE MANAGEMENT SYSTEM

Inorganics Data Validation Worksheet

RIN: 07030755 **Lab Code:** GEN **Date Due:** 4/2/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 4/3/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	DUP RPD	Serial Dil. %R
		Int.	R^2	ICV	CCV	ICB	CCB						
Chloride	03/22/2007							OK	95	110		1	
Chloride	03/22/2007									109		5	

Stoller
Legacy Management Team

Stoller • Battelle • Source One

Data Review and Validation Report

General Information

Requisition No. (RIN):	07050910
Sample Event:	May 23-24 2007
Site(s):	Mound, Ohio
Laboratory:	General Engineering Laboratories, Charleston, SC
Work Order No.:	186783
Analysis:	Metals, Organics, Wet Chemistry, Radiochemistry
Validator:	Steve Donivan
Review Date:	July 18, 2007

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2006). The procedure was applied at Level 2, Data Deliverables Verification. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Chloride	WCH-A-011	EPA 300.0	EPA 300.0
Metals: Ba, Cr, Na, Ni	MET-A-020	SW-846 3005A	SW-846 6010B
Radium-226	GPC-A-018	EPA 903.1 Mod	EPA 903.1 Mod
Radium-228	GPC-A-020	EPA 904.0 Mod	EPA 904.0 Mod
Volatile Organics, VOA	VOA-A-009	SW-846 5030B	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
186783-003	0353	Carbon disulfide	U	Less than 5 times the equipment blank
186783-003	0353	Chloromethane	U	Less than 5 times the trip blank
186783-004	0400	Radium-228	J	Less than 3 times the MDC
186783-006	0402	Radium-226	J	Less than 3 times the MDC
186783-009	0443	Chloromethane	U	Less than 5 times the trip blank

186783-012	0617	Carbon disulfide	U	Less than 5 times the equipment blank
186783-013	Trip Blank	Radium-228	J	Less than 3 times the MDC
186783-015	0400	Radium-226	J	Less than 3 times the MDC
186783-015	0400	Radium-228	J	Less than 3 times the MDC
186783-016	P033	Radium-226	J	Less than 3 times the MDC

Sample Shipping/Receiving

General Engineering Laboratories, in Charleston, South Carolina, received 16 water samples on May 26, 2007, under air bill number 8586 5453 6590 accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact with the temperature within the chilled cooler of 3.0° C, which complies with requirements.. All samples were received in the correct container types and had been preserved correctly for the requested analyses. Sample analysis was completed within the applicable holding times.

Laboratory Instrument Calibration

Data for this RIN were report at Analysis Service Level C (results plus quality control) and do not include calibration data.

Method SW-846 8260B, Volatiles

Internal standard recoveries and surrogate recoveries were within the acceptance ranges for all samples.

Method Blanks

All method blank results were below the practical quantitation limits for all analytes with the exception of the volatile compound naphthalene. Naphthalene was not detected in any of the samples.

Equipment Blank

An equipment blank was collected after completion of decontamination and prior to collection of environmental samples. These blanks are useful in documenting adequate decontamination of sampling equipment. Carbon disulfide, chloride, radium-228, and sodium were detected in the trip blank. Sample results that are less than five times the equipment blank results are qualified with a "U" flag as not detected.

Trip Blank

A trip blank was collected to document contamination attributable to shipping and field handling procedures. This type of blank is useful in documenting contamination of volatile organic samples. Bromodichloromethane, chloroform, chloroform, and dibromochloromethane were detected in the trip blank. Sample results that are less than five times the trip blank results are qualified with a "U" flag as not detected.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples (MS/MSD) were analyzed for VOAs and metals as a measure of method performance in the sample matrix. The MS and MSD met the acceptance for all analytes.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory control sample duplicate samples and MSD sample results for all analytes were less than 20 percent indicating acceptable precision.

Laboratory Control Sample

Laboratory control samples (LCS) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for barium, chromium, nickel, and sodium to monitor chemical or physical interferences in the sample matrix. All of the serial dilution results met the acceptance criteria.

Radiochemical Analysis

Radiochemical results are qualified with a "J" flag (estimated) when the result is greater than the minimum detectable concentration (MDC), but less than three times the MDC. Radiochemical results are qualified with a "U" flag (not detected) when the result is greater than the MDC, but less than the two sigma total propagated uncertainty (TPU).

Field Duplicate

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates which measure only laboratory performance. A duplicate samples was collected from location 0400. The duplicate results met the U.S. Environmental Protection Agency (EPA) recommended laboratory duplicate criteria of having a relative percent difference (RPD) of less than 20 percent for results that are greater than five times the practical quantitation limit indicating acceptable precision.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Outliers Report

Potential outliers are measurements that are extremely large or small relative to the rest of the data and, therefore, are suspected of misrepresenting the population from which they were collected. Potential outliers may result from transcription errors, data-coding errors, or measurement system problems. However, outliers may also represent true extreme values of a distribution and indicate more variability in the population than was expected.

Statistical outlier tests give probabilistic evidence that an extreme value does not "fit" with the distribution of the remainder of the data and is therefore a statistical outlier. These tests should only be used to identify data points that require further investigation. The tests alone cannot determine whether a statistical outlier should be discarded or corrected within a data set.

There are three steps involved in identifying extreme values or outliers:

1. Identify potential extreme values that may be potential outliers by generating the Outliers Report using the Sample Management System from data in the SEEPro database. The application compares the new data set with historical data and lists all new data that fall outside the historical data range. Data listed in the report highlighted if the concentration detected is not within 50 percent of historical minimum or maximum values. A determination is also made if the data are normally distributed using the Studentized Range Test.
2. Apply the appropriate statistical test. Dixon's Extreme Value test is used to test for statistical outliers when the sample size is less than or equal to 25. This test considers both extreme values that are much smaller than the rest of the data (case 1) and extreme values that are much larger than the rest of the data (case 2). This test is valid only if the data without the suspected outlier are normally distributed. Rosner's Test is a parametric test that is used to detect outliers for sample sizes of 25 or more. This test also assumes that the data without the suspected outliers are normally distributed.
3. Scientifically review statistical outliers and decide on their disposition.

None of the data were identified as potential outliers and the results for the RIN are acceptable as qualified.

Report Prepared By: _____

Laboratory Coordinator

_____

Data Validation Outliers Report - No Field Parameters
Laboratory: GENERAL ENGINEERING (Charleston, SC)
RIN: 07050910
Comparison: All Historical Data
Report Date: 7/18/2007

Site Code	Location Code	Sample Date	Analyte	Current Result	Current Qualifiers Lab	Current Qualifiers Data	Historical Maximum Result	Historical Maximum Qualifiers Lab	Historical Maximum Qualifiers Data	Historical Minimum Result	Historical Minimum Qualifiers Lab	Historical Minimum Qualifiers Data	Count N	Count N Below Detect	Normally Distributed	Statistical Outlier
MND01	0353	05/23/2007	Carbon Disulfide	1.34	J		5	U	UJ	5	U	UJ	6	6	No	Yes
MND01	0400	05/24/2007	Acetone	2.62	J		100	U		2.64	J		7	5	No	No
MND01	0411	05/23/2007	1,4-Dichlorobenzene	0.331	J		10	U	U	0.397	J		38	37	No	No
MND01	0442	05/23/2007	Sodium	306			360			312			6	0	Yes	No
MND01	0443	05/23/2007	Chloride	151			321			196			5	0	Yes	No
MND01	0443	05/23/2007	cis-1,2-Dichloroethene	5	U		1.9			0.341	J		21	14	No	Yes

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- G Possible grout contamination, pH > 9.
- Q Qualitative result due to sampling technique.
- X Location is undefined.
- J Estimated value.
- R Unusable result.

STATISTICAL TESTS:
The distribution of the data is tested for normality using the Studentized Range Test
Outliers are identified using Dixon's Test when there are 25 or fewer data points.
Outliers are identified using Rosner's Test when there are 26 or more data points.
See Data Quality Assessment: Statistical Methods for Practitioners, EPA QC/G-9S, February 2006.

SAMPLE MANAGEMENT SYSTEM

EDD Non-Conformance Report

Report Date: 7/18/2007

EDD File: \\condor\sms\07050910\07050910.txt

EDD Errors:

Record	Error Type	Field	Error Description
			NO ERRORS DETECTED

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 07050910 Lab Code: GEN Validator: Steve Donivan Validation Date: 7/18/2007

Project: Mound LTS&M Ground Water Analysis Type: ☑ Metals ☑ General Chem ☑ Rad ☑ Organics

# of Samples: 16 Matrix: WATER Requested Analysis Completed: Yes

Chain of Custody

Present: OK Signed: OK Dated: OK

Sample

Integrity: OK Preservation: OK Temperature: OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	The reported detection limits are equal to or below contract requirements.
☑ Field/Trip Blanks	There were 2 trip/equipment blanks evaluated.
☑ Field Duplicates	There was 1 duplicate evaluated.

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07050910 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 7/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	186783013	EPA 8260B	Carbon disulfide	1.63	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783003	1.34	1	J	U	
186783004	5	1	U		
186783006	5	1	U		
186783007	5	1	U		
186783009	5	1	U		
186783010	5	1	U		
186783011	5	1	U		
186783012	2.72	1	J	U	
186783015	5	1	U		
186783016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	186783013	EPA 300.0	Chloride	0.292	J	0.066	mg/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783001	130	20			
186783004	65.4	10			
186783006	80.8	10			
186783008	783	100			
186783009	151	20			
186783011	1460	200			
186783015	64.1	10			
186783016	232	20			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	186783013	EPA 904.0 Modified	Radium-228	0.618		0.509	pCi/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783004	0.717	1		J	
186783006	0.574	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07050910 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 7/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	186783013		Radium-228				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783011	8.84	1			
186783015	0.922	1		J	
186783016	0.516	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	186783013	EPA 3005/6010B	Sodium	335	J	45	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783001	78000	1			
186783004	41200	1			
186783006	41100	1			
186783008	306000	5			
186783009	84800	1			
186783011	893000	10			
186783015	42000	1			
186783016	137000	1			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014	EPA 8260B	Bromodichloromethane	2.74	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783003	5	1	U		
186783004	5	1	U		
186783006	5	1	U		
186783007	5	1	U		
186783009	5	1	U		
186783010	5	1	U		
186783011	5	1	U		
186783012	5	1	U		
186783015	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07050910 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 7/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014		Bromodichloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014	EPA 8260B	Chloroform	7.92		5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783003	5	1	U		
186783004	5	1	U		
186783006	5	1	U		
186783007	5	1	U		
186783009	5	1	U		
186783010	5	1	U		
186783011	5	1	U		
186783012	5	1	U		
186783015	5	1	U		
186783016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014	EPA 8260B	Chloromethane	0.528	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783003	0.609	1	J	U	
186783004	5	1	U		
186783006	5	1	U		
186783007	5	1	U		
186783009	0.55	1	J	U	
186783010	5	1	U		
186783011	5	1	U		
186783012	5	1	U		
186783015	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07050910 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 7/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014		Chloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	186783014	EPA 8260B	Dibromochloromethane	1.18	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
186783003	5	1	U		
186783004	5	1	U		
186783006	5	1	U		
186783007	5	1	U		
186783009	5	1	U		
186783010	5	1	U		
186783011	5	1	U		
186783012	5	1	U		
186783015	5	1	U		
186783016	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07050910 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 7/18/2007

Duplicate: 9400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	2.62	J		100	U				ug/L
Barium	78	J		78.6	J		0.77		ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chloride	65.4			64.1			2.01		mg/L
Chlorobenzene	5	U		5	U				ug/L
Chloroethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07050910 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 7/18/2007

Duplicate: 9400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
Chromium	82.9			99.4			18.10		ug/L
cis-1,2-Dichloroethylene	5	U		5	U				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
Nickel	46.9			57.1			19.62		ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	0.397	U	0.33	0.672		0.321		1.2	pCi/L
Radium-228	0.717		0.497	0.922		0.523		0.6	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Sodium	41200			42000			1.92		ug/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	5	U		5	U				ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	5	U		5	U				ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
Barium	06/14/2007							OK	103.0	101.0		4.0		2.5	
Chromium	06/14/2007							OK	100.0	95.0		11.0		1.2	
Nickel	06/14/2007							OK	101.0	98.0		4.0		2.7	
Sodium	06/14/2007							OK	99.0			5.0		0.2	

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
FGX 969	VOAs	06/04/2007					104.0	106.0	106.0	107.0				
FGX 970	VOAs	06/04/2007					109.0	106.0	110.0	106.0				
FGX 971	VOAs	06/04/2007					115.0	108.0	113.0	107.0				
FGX 972	VOAs	06/04/2007					107.0	109.0	110.0	108.0				
FGX 973	VOAs	06/04/2007					114.0	108.0	111.0	107.0				
FGX 974	VOAs	06/04/2007					111.0	106.0	109.0	107.0				
FGX 977	VOAs	06/04/2007					108.0	107.0	109.0	104.0				
FGX 978	VOAs	06/04/2007					111.0	107.0	110.0	107.0				
FGX 981	VOAs	06/04/2007					111.0	109.0	109.0	107.0				
FGX 982	VOAs	06/04/2007					110.0	109.0	111.0	107.0				
FGX 983	VOAs	06/04/2007					106.0	109.0	109.0	107.0				
FGX 984	VOAs	06/04/2007					108.0	111.0	109.0	108.0				
LCS	1,1-Dichloroethene	06/04/2007					103.0	102.0	110.0	104.0	102.0			
LCS	1,1-Dichloroethene	06/04/2007					103.0	100.0	107.0	105.0	97.0			
LCS	Benzene	06/04/2007									103.0			
LCS	Benzene	06/04/2007									106.0			
LCS	Chlorobenzene	06/04/2007									106.0			
LCS	Chlorobenzene	06/04/2007									102.0			

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
LCS	Toluene	06/04/2007									104.0			
LCS	Toluene	06/04/2007									105.0			
LCS	Trichloroethene	06/04/2007									111.0			
LCS	Trichloroethene	06/04/2007									106.0			
Method Blank	VOAs	06/04/2007					101.0	108.0	107.0	107.0				
Method Blank	VOAs	06/04/2007					101.0	106.0	105.0	107.0				
MS	1,1-Dichloroethene	06/04/2007					115.0	100.0	112.0	105.0		92.0		
MS	Benzene	06/04/2007										98.0		
MS	Chlorobenzene	06/04/2007										98.0		
MS	Toluene	06/04/2007										96.0		
MS	Trichloroethene	06/04/2007										100.0		
MSD	VOAs	06/04/2007					111.0	102.0	113.0	105.0				
MS	1,1-Dichloroethene	06/05/2007					103.0	100.0	110.0	104.0		92.0	93.0	2.00
MS	1,1-Dichloroethene	06/05/2007					105.0	102.0	109.0	104.0		91.0	93.0	2.00
MS	Benzene	06/05/2007										97.0	100.0	2.00
MS	Benzene	06/05/2007										98.0	100.0	3.00
MS	Chlorobenzene	06/05/2007										95.0	99.0	1.00
MS	Chlorobenzene	06/05/2007										97.0	98.0	1.00

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
MS	Toluene	06/05/2007										94.0	96.0	1.00
MS	Toluene	06/05/2007										98.0	98.0	0
MS	Trichloroethene	06/05/2007										97.0	100.0	3.00
MS	Trichloroethene	06/05/2007										98.0	100.0	0

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
FGX 977	Radium-226	06/06/2007			56.0			
Duplicate	Radium-226	06/06/2007						1.40
LCS	Radium-226	06/06/2007				92.0		
FGX 981	Radium-226	06/06/2007			68.0			
Duplicate	Radium-226	06/06/2007						0.40
FGX 970	Radium-226	06/06/2007			75.0			
FGX 978	Radium-226	06/06/2007			60.0			
FGX 974	Radium-226	06/06/2007			58.0			
FGX 983	Radium-226	06/06/2007			72.0			
Method Blank	Radium-226	06/06/2007	0.3100	U				
MS	Radium-226	06/06/2007					90.0	
MS	Radium-226	06/06/2007					117.0	
Duplicate	Radium-228	06/13/2007						1.10
LCS	Radium-228	06/13/2007				103.0		
FGX 981	Radium-228	06/13/2007			68.0			
FGX 977	Radium-228	06/13/2007			56.0			
FGX 970	Radium-228	06/13/2007			75.0			
FGX 978	Radium-228	06/13/2007			60.0			
FGX 974	Radium-228	06/13/2007			58.0			
FGX 983	Radium-228	06/13/2007			72.0			
Duplicate	Radium-228	06/13/2007						0.30
Method Blank	Radium-228	06/13/2007	0.4220	U				
MS	Radium-228	06/13/2007					116.0	
LCS	Radium-228	06/13/2007				121.0		

SAMPLE MANAGEMENT SYSTEM

Inorganics Data Validation Worksheet

RIN: 07050910 **Lab Code:** GEN **Date Due:** 6/23/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 6/25/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	DUP RPD	Serial Dil. %R
		Int.	R^2	ICV	CCV	ICB	CCB						
Chloride	06/07/2007							OK	98.0	97.0		1.00	
Chloride	06/07/2007							OK	96.0	94.0		0	
Chloride	06/07/2007									94.0		1.00	
Chloride	06/07/2007									110.0			

Stoller
Legacy Management Team

Stoller • Battelle • Source One

Data Review and Validation Report

General Information

Requisition No. (RIN):	07081127
Sample Event:	August 22-24, 2007
Site(s):	Mound, Ohio
Laboratory:	General Engineering Laboratories, Charleston, SC
Work Order No.:	192434
Analysis:	Metals, Organics, Wet Chemistry, Radiochemistry
Validator:	Steve Donivan
Review Date:	November 5, 2007

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2006). The procedure was applied at Level 2, Data Deliverables Verification. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Chloride	WCH-A-011	EPA 300.0	EPA 300.0
Metals, Ba, Cr, Na, Ni	MET-A-020	SW-846 3005A	SW-846 6010B
Radium-226	GPC-A-018	EPA 903.1 Mod	EPA 903.1 Mod
Radium-228	GPC-A-020	EPA 904.0 Mod	EPA 904.0 Mod
Strontium-90	GPC-A-009	EPA 905.0 Mod	EPA 905.0 Mod
Tritium	LCS-A-001	EPA 906.0 Mod	EPA 906.0 Mod
Volatile Organics, VOA	VOA-A-009	SW-846 5030B	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
192434-004	0400	Chromium	J	Duplicate RPD greater than 20%
192434-004	0400	Nickel	J	Duplicate RPD greater than 20%
192434-004	0400	Radium-226	J	Less than 3 times the MDC

192434-004	0400	Radium-228	J	Less than 3 times the MDC
192434-005	0402	Radium-226	J	Less than 3 times the MDC
192434-005	0402	Radium-228	J	Less than 3 times the MDC
192434-012	0601	Radium-226	J	Less than 3 times the MDC
192434-012	0601	Radium-228	J	Less than 3 times the MDC
192434-015	0617	Carbon disulfide	U	Less than 5 times the trip blank
192434-018	0400 Dup	Radium-226	J	Less than 3 times the MDC
192434-019	0601 Dup	Radium-226	J	Less than 3 times the MDC
192434-019	0601 Dup	Radium-228	J	Less than 3 times the MDC
192434-020	P033	Radium-226	J	Less than 3 times the MDC

Sample Shipping/Receiving

General Engineering Laboratories, in Charleston, South Carolina, received 20 water samples on August 25, 2007, accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact with the temperature within the chilled cooler of 2° C, which complies with requirements.. All samples were received in the correct container types and had been preserved correctly for the requested analyses. Sample analysis was completed within the applicable holding times.

Laboratory Instrument Calibration

Data for this RIN were report at Analysis Service Level C (results plus quality control) and do not include calibration data.

Method SW-846 8260B, Volatiles

Internal standard recoveries and surrogate recoveries were within the acceptance ranges for all samples.

Method Blanks

All method blank results were below the practical quantitation limits for all analytes.

Equipment Blank

An equipment blank was collected after completion of decontamination and prior to collection of environmental samples. These blanks are useful in documenting adequate decontamination of sampling equipment. Chloride, chloroform, and sodium were detected in the equipment blank. The sample chloride and sodium results were greater than five times the blank concentration. Chloroform was not detected in any of the samples.

Trip Blank

A trip blank was collected to document contamination attributable to shipping and field handling procedures. This type of blank is useful in documenting contamination of volatile organic samples. Bromodichloromethane, carbon disulfide, chloroform, and dibromochloromethane were detected in the trip blank. Sample results that are less than five times the trip blank results are qualified with a "U" flag as not detected.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate samples (MS/MSD) were analyzed for VOAs and metals as a measure of method performance in the sample matrix. The tritium MS result was not evaluated because the concentration of the unspiked sample was greater than four times the spike concentration. The MS and MSD met the acceptance for all analytes evaluated.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory control sample duplicate samples and MSD sample results for all analytes were less than 20 percent indicating acceptable precision.

Laboratory Control Sample

Laboratory control samples (LCS) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for barium, chromium, nickel, and sodium to monitor chemical or physical interferences in the sample matrix. All of the serial dilution results met the acceptance criteria.

Radiochemical Analysis

Radiochemical results are qualified with a "J" flag (estimated) when the result is greater than the minimum detectable concentration (MDC), but less than three times the MDC. Radiochemical results are qualified with a "U" flag (not detected) when the result is greater than the MDC, but less than the two sigma total propagated uncertainty (TPU).

Field Duplicate

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates which measure only laboratory performance. A duplicate samples was collected from locations 0400 and 0601. The duplicate results met the U.S. Environmental Protection Agency (EPA) recommended laboratory duplicate criteria of having a relative percent difference (RPD) of less than 20 percent for results that are greater than five times the practical quantitation limit indicating acceptable precision with the following

exception. The RPD values for chromium and nickel from location 0400 were 135% and 54% respectively. This may be an indication of stainless steel corrosion within the well. The chromium and nickel results for location 0400 are qualified with a "J" flag as estimated values.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes with the exception for tritium for samples 0601 and 9601. The tritium concentrations in these samples were greater than five times the minimum detectable concentration.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Electronic Data Deliverable (EDD) File

The EDD file arrived on September 24, 2007. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

Outliers Report

Potential outliers are measurements that are extremely large or small relative to the rest of the data and, therefore, are suspected of misrepresenting the population from which they were collected. Potential outliers may result from transcription errors, data-coding errors, or measurement system problems. However, outliers may also represent true extreme values of a distribution and indicate more variability in the population than was expected.

Statistical outlier tests give probabilistic evidence that an extreme value does not "fit" with the distribution of the remainder of the data and is therefore a statistical outlier. These tests should only be used to identify data points that require further investigation. The tests alone cannot determine whether a statistical outlier should be discarded or corrected within a data set.

There are three steps involved in identifying extreme values or outliers:

1. Identify extreme values that may be potential outliers by generating the Outliers Report using the Sample Management System from data in the SEEPro database. The application compares the new data set with historical data and lists all new data that fall outside the historical data range. Data listed in the report are highlighted if the concentration detected is not within 50 percent of historical minimum or maximum values. A determination is also made if the data are normally distributed using the Studentized Range Test.
2. Apply the appropriate statistical test. Dixon's Extreme Value test is used to test for statistical outliers when the sample size is less than or equal to 25. This test considers both extreme values that are much smaller than the rest of the data (case 1) and extreme

values that are much larger than the rest of the data (case 2). This test is valid only if the data without the suspected outlier are normally distributed. Rosner's Test is a parametric test that is used to detect outliers for sample sizes of 25 or more. This test also assumes that the data without the suspected outliers are normally distributed.

3. Scientifically review statistical outliers and decide on their disposition.

The chromium result for location 0400 was listed as a potential outlier. This result has been previously qualified based on the field duplicate performance.

Report Prepared By: _____

Steve Donivan, Laboratory Coordinator

Data Validation Outliers Report - No Field Parameters
Laboratory: GENERAL ENGINEERING (Charleston, SC)
RIN: 07081127
Comparison: All Historical Data
Report Date: 11/5/2007

Site Code	Location Code	Sample Date	Analyte	Current Result	Current Qualifiers Lab	Current Qualifiers Data	Historical Maximum Result	Historical Maximum Qualifiers Lab	Historical Maximum Qualifiers Data	Historical Minimum Result	Historical Minimum Qualifiers Lab	Historical Minimum Qualifiers Data	Count N	Count N Below Detect	Normally Distributed	Statistical Outlier
MND01	0400	08/23/2007	Chromium	0.2			0.13			0.00074	B		47	2	Yes	Yes
MND01	0442	08/23/2007	Chloride	355			783			366			5	0	Yes	No
MND01	0617	08/24/2007	Carbon Disulfide	11.8			5	U	U	1.55	J		5	4	No	Yes
MND01	P033	08/23/2007	Radium-226	1.02			0.897		J	0.0461	U		17	2	Yes	No

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- G Possible grout contamination, pH > 9.
- Q Qualitative result due to sampling technique.
- X Location is undefined.
- J Estimated value.
- R Unusable result.

STATISTICAL TESTS:
The distribution of the data is tested for normality using the Studentized Range Test
Outliers are identified using Dixon's Test when there are 25 or fewer data points.
Outliers are identified using Rosner's Test when there are 26 or more data points.
See Data Quality Assessment: Statistical Methods for Practitioners, EPA QC/G-9S, February 2006.

SAMPLE MANAGEMENT SYSTEM

EDD Non-Conformance Report

Report Date: 11/5/2007

EDD File: \\condor\sms\07081127\07081127.txt

EDD Errors:

Record	Error Type	Field	Error Description
			NO ERRORS DETECTED

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 07081127 **Lab Code:** GEN **Validator:** Steve Donivan **Validation Date:** 11/5/2007

Project: Mound LTS&M Ground Water **Analysis Type:** ☑ Metals ☑ General Chem ☑ Rad ☑ Organics

# of Samples: 20 **Matrix:** WATER **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	There are 2 detection limit failures.
☑ Field/Trip Blanks	There were 2 trip/equipment blanks evaluated.
☑ Field Duplicates	There were 2 duplicates evaluated.

SAMPLE MANAGEMENT SYSTEM

RIN: 07081127 Lab Code: GEN

Non-Compliance Report: Detection Limits

Project: Mound LTS&M Ground Water

Validation Date: 11/5/2007

Ticket	Location	Lab Sample ID	Method Code	Lab Method	Analyte Name	Result	Qualifier	Reported Detection Limit	Required Detection Limit	Units
FJV 817	601	192434012	LSC-A-001	EPA 906.0 Modified	Tritium	1.61E+05		532	400	pCi/L
FJV 818	9601	192434019	LSC-A-001	EPA 906.0 Modified	Tritium	1.57E+05		519	400	pCi/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07081127 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 11/5/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	192434016	EPA 300.0	Chloride	0.205	J	0.066	mg/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434001	118	50			
192434004	70.8	25			
192434006	85.5	25			
192434008	355	50			
192434009	217	50			
192434011	9320	1000			
192434018	71.1	10			
192434020	92.4	25			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	192434016	EPA 8260B	Chloroform	0.323	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434003	5	1	U		
192434004	5	1	U		
192434006	5	1	U		
192434007	5	1	U		
192434009	5	1	U		
192434010	5	1	U		
192434011	5	1	U		
192434012	5	1	U		
192434013	5	1	U		
192434014	5	1	U		
192434015	5	1	U		
192434018	5	1	U		
192434019	5	1	U		
192434020	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07081127 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 11/5/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	192434016	EPA 3005/6010B	Sodium	93	J	45	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434001	84700	1			
192434004	49500	1			
192434006	63000	1			
192434008	324000	10			
192434009	98600	5			
192434011	3590000	50			
192434018	49200	1			
192434020	68100	1			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	192434017	EPA 8260B	Bromodichloromethane	3.47	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434003	5	1	U		
192434004	5	1	U		
192434006	5	1	U		
192434007	5	1	U		
192434009	5	1	U		
192434010	5	1	U		
192434011	5	1	U		
192434012	5	1	U		
192434013	5	1	U		
192434014	5	1	U		
192434015	5	1	U		
192434018	5	1	U		
192434019	5	1	U		
192434020	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07081127 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 11/5/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	192434017	EPA 8260B	Carbon disulfide	2.38	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434003	5	1	U		
192434004	5	1	U		
192434006	5	1	U		
192434007	5	1	U		
192434009	5	1	U		
192434010	5	1	U		
192434011	5	1	U		
192434012	5	1	U		
192434013	5	1	U		
192434014	5	1	U		
192434015	11.8	1		U	
192434018	5	1	U		
192434019	5	1	U		
192434020	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	192434017	EPA 8260B	Chloroform	11.7		5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434003	5	1	U		
192434004	5	1	U		
192434006	5	1	U		
192434007	5	1	U		
192434009	5	1	U		
192434010	5	1	U		
192434011	5	1	U		
192434012	5	1	U		
192434013	5	1	U		
192434014	5	1	U		
192434015	5	1	U		
192434018	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07081127 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 11/5/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	192434017		Chloroform				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434019	5	1	U		
192434020	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	192434017	EPA 8260B	Dibromochloromethane	1.46	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
192434003	5	1	U		
192434004	5	1	U		
192434006	5	1	U		
192434007	5	1	U		
192434009	5	1	U		
192434010	5	1	U		
192434011	5	1	U		
192434012	5	1	U		
192434013	5	1	U		
192434014	5	1	U		
192434015	5	1	U		
192434018	5	1	U		
192434019	5	1	U		
192434020	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07081127 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 11/5/2007

Duplicate: 9400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	100	U		100	U				ug/L
Barium	86.8	J		83.7	J		3.64		ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chloride	70.8			71.1			0.42		mg/L
Chlorobenzene	5	U		5	U				ug/L
Chloroethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07081127 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 11/5/2007

Duplicate: 9400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
Chromium	200			38.8			135.01		ug/L
cis-1,2-Dichloroethylene	5	U		5	U				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
Nickel	46.7			26.9	J		53.80		ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	0.686		0.401	0.647		0.386		0.1	pCi/L
Radium-228	0.544		0.337	0.585	U	0.465		0.1	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Sodium	49500			49200			0.61		ug/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	5	U		5	U				ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	5	U		5	U				ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

Duplicate: 9601 **Sample:** 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07081127 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 11/5/2007

Duplicate: 9601 **Sample:** 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	100	U		100	U				ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chlorobenzene	5	U		5	U				ug/L
Chloroethane	5	U		5	U				ug/L
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
cis-1,2-Dichloroethylene	0.705	J		0.679	J				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07081127 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 11/5/2007

Duplicate: 9601 **Sample:** 601

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	0.542		0.295	0.762		0.38		0.9	pCi/L
Radium-228	1.03		0.497	0.865		0.378		0.5	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Strontium-90	2.67		0.791	2.78		0.832		0.2	pCi/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	29.4			27.7			5.95		ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	6.84			6.56					ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Tritium	1.61E+05		31200	1.57E+05		30600	2.52	0.2	pCi/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 07081127 **Lab Code:** GEN **Date Due:** 9/24/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 9/22/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
Barium	09/06/2007							OK	107.0	106.0	94.0	1.0		1.6	
Barium	09/06/2007								108.0						
Chromium	09/06/2007							OK	105.0	109.0	99.0	7.0		9.7	
Chromium	09/06/2007								107.0						
Nickel	09/06/2007							OK	109.0	109.0	94.0	2.0		3.4	
Nickel	09/06/2007								112.0						
Sodium	09/11/2007							OK	104.0			1.0		4.8	
Sodium	09/11/2007								104.0						

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07081127 **Lab Code:** GEN **Date Due:** 9/24/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 9/22/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
0353	VOAs	09/04/2007					103.0	101.0	109.0	104.0				
0400	VOAs	09/04/2007					104.0	102.0	112.0	106.0				
0400 Duplicate	VOAs	09/04/2007					106.0	99.0	115.0	107.0				
0402	VOAs	09/04/2007					103.0	101.0	109.0	103.0				
0411	VOAs	09/04/2007					103.0	102.0	110.0	104.0				
0443	VOAs	09/04/2007					104.0	101.0	110.0	104.0				
0444	VOAs	09/04/2007					102.0	98.0	110.0	104.0				
0445	VOAs	09/04/2007					104.0	97.0	111.0	102.0				
0601	VOAs	09/04/2007					101.0	99.0	110.0	105.0				
0601 Duplicate	VOAs	09/04/2007					103.0	97.0	109.0	104.0				
0605	VOAs	09/04/2007					101.0	97.0	108.0	103.0				
0607	VOAs	09/04/2007					100.0	98.0	109.0	103.0				
0617	VOAs	09/04/2007					100.0	96.0	108.0	102.0				
Equipment Blank	VOAs	09/04/2007					100.0	96.0	108.0	103.0				
LCS	1,1-Dichloroethene	09/04/2007					96.0	103.0	103.0	100.0	100.0			
LCS	Benzene	09/04/2007									100.0			
LCS	Chlorobenzene	09/04/2007									96.0			
LCS	Toluene	09/04/2007									87.0			

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07081127 **Lab Code:** GEN **Date Due:** 9/24/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 9/22/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
LCS	Trichloroethene	09/04/2007									102.0			
Method Blank	VOAs	09/04/2007					106.0	103.0	113.0	107.0				
MS	1,1-Dichloroethene	09/04/2007					102.0	107.0	104.0	100.0		86.0	102.0	17.00
MS	Benzene	09/04/2007										90.0	106.0	16.00
MS	Chlorobenzene	09/04/2007										87.0	101.0	15.00
MS	Toluene	09/04/2007										77.0	91.0	17.00
MS	Trichloroethene	09/04/2007										79.0	97.0	16.00
MSD	VOAs	09/04/2007					96.0	108.0	103.0	100.0				
P033	VOAs	09/04/2007					101.0	97.0	109.0	103.0				
Trip Blank	VOAs	09/04/2007					102.0	97.0	110.0	104.0				

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 07081127 **Lab Code:** GEN **Date Due:** 9/24/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 9/22/2007

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
Duplicate	Radium-226	09/12/2007						2.10
LCS	Radium-226	09/12/2007				93.0		
Method Blank	Radium-226	09/12/2007	0.1320	U				
MS	Radium-226	09/12/2007					87.0	
0400	Radium-228	09/19/2007			68.0			
0402	Radium-228	09/19/2007			82.0			
0400 Duplicate	Radium-228	09/19/2007			38.0			
0445	Radium-228	09/19/2007			61.0			
0601	Radium-228	09/19/2007			62.0			
Duplicate	Radium-228	09/19/2007						1.00
Equipment Blank	Radium-228	09/19/2007			32.0			
0601 Duplicate	Radium-228	09/19/2007			85.0			
LCS	Radium-228	09/19/2007				116.0		
P033	Radium-228	09/19/2007			67.0			
Method Blank	Radium-228	09/19/2007	0.6170	U				
MS	Radium-228	09/19/2007					95.0	
Duplicate	Strontium-90	09/15/2007						0.20
0601	Strontium-90	09/15/2007			89.0			
0601 Duplicate	Strontium-90	09/15/2007			92.0			
LCS	Strontium-90	09/15/2007				104.0		
Method Blank	Strontium-90	09/15/2007	-0.2910	U				
MS	Strontium-90	09/15/2007					101.0	
Duplicate	Tritium	09/08/2007						0.30
LCS	Tritium	09/08/2007				83.0		
Method Blank	Tritium	09/08/2007	218.0000	U				
MS	Tritium	09/08/2007					165.0	

SAMPLE MANAGEMENT SYSTEM

Wet Chemistry Data Validation Worksheet

RIN: 07081127 **Lab Code:** GEN **Date Due:** 9/24/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 9/22/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	DUP RPD	Serial Dil. %R
		Int.	R^2	ICV	CCV	ICB	CCB						
Chloride	09/11/2007							OK	93.0	93.0		1.00	

Stoller
Legacy Management Team

Stoller • Battelle • Source One

Data Review and Validation Report

General Information

Requisition No. (RIN):	07111265
Sample Event:	November 13-15, 2007
Site(s):	Mound, Ohio
Laboratory:	GEL Laboratories, Charleston, South Carolina
Work Order No.:	197806
Analysis:	Metals, Organics, Wet Chemistry, and Radiochemistry
Validator:	Gretchen Baer
Review Date:	December 18, 2007

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2006). The procedure was applied at Level 2, Data Deliverables Verification. See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Chloride	WCH-A-011	EPA 300.0	EPA 300.0
Metals: Ba, Cr, Na, Ni	MET-A-020	SW-846 3005A	SW-846 6010B
Radium-226	GPC-A-018	EPA 903.1 Mod	EPA 903.1 Mod
Radium-228	GPC-A-020	EPA 904.0 Mod	EPA 904.0 Mod
Volatile Organics, VOA	VOA-A-009	SW-846 5030B	SW-846 8260B

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifier Summary

Sample Number	Location	Analyte(s)	Flag	Reason
197806-004	0400	Radium-226	J	Less than 3 times the MDC
197806-006	0402	Radium-226	J	Less than 3 times the MDC
197806-006	0402	Radium-228	J	Less than 3 times the MDC
197806-016	P033	Radium-226	J	Less than 3 times the MDC
197806-016	P033	Radium-228	J	Less than 3 times the MDC

Sample Shipping/Receiving

GEL Laboratories in Charleston, South Carolina, received 16 water samples on November 16, 2007, under air bill numbers 8586 8453 6888 and 8588 3726 2813 accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipment was received cool and intact with the temperature within the chilled cooler of 3 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses. Sample analysis was completed within the applicable holding times.

Laboratory Instrument Calibration

Data for this RIN were report at Analysis Service Level C (results plus quality control) and do not include calibration data.

Method SW-846 8260B, Volatiles

Internal standard recoveries and surrogate recoveries were within the acceptance ranges for all samples.

Method Blanks

The method blank results were below the practical quantitation limits. Naphthalene and 1,2,4-trichlorobenzene were detected in the volatile method blank at concentrations above the method detection limit. These volatile analytes were not detected in any of the samples.

Equipment Blank

An equipment blank was collected after completion of decontamination and prior to collection of environmental samples. These blanks are useful in documenting adequate decontamination of sampling equipment. Bromodichloromethane, bromoform, chloroform, chromium, dibromochloromethane, nickel, and sodium were detected in the equipment blank. The volatiles

analytes were detected in the trip blank but they were not detected in any of the field samples. All chromium, nickel, and sodium sample results were greater than five times the equipment blank.

Trip Blank

A trip blank was collected to document contamination attributable to shipping and field handling procedures. This type of blank is useful in documenting contamination of volatile organic samples. Bromodichloromethane, bromoform, chloroform, and dibromochloromethane were detected in the trip blank. These analytes were detected in the equipment blank but they were not detected in any of the field samples.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate (MS/MSD) samples are used to measure method performance in the sample matrix. The MS/MSD data are not evaluated when the concentration of the unspiked sample is greater than four times the spike concentration. The spike recoveries met the recovery and precision criteria for all analytes evaluated.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the sample duplicates and MSD sample results for all analytes were less than 20 percent indicating acceptable precision.

Laboratory Control Sample

Laboratory control samples (LCSs) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories.

Metals Serial Dilution

Serial dilutions were prepared and analyzed for barium, chromium, nickel, and sodium to monitor chemical or physical interferences in the sample matrix. All of the serial dilution results met the acceptance criteria.

Radiochemical Analysis

Radiochemical results are qualified with a "J" flag (estimated) when the result is greater than the minimum detectable concentration (MDC), but less than three times the MDC. Radiochemical results are qualified with a "U" flag (not detected) when the result is greater than the MDC, but less than the two sigma total propagated uncertainty (TPU).

Field Duplicate

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates which measure only laboratory performance. A

duplicate sample was collected from location 0400. The duplicate results met the U.S. Environmental Protection Agency (EPA) recommended laboratory duplicate criteria of having a relative percent difference (RPD) of less than 20 percent for results that are greater than five times the practical quantitation limit indicating acceptable precision. The radiochemical duplicate results were acceptable with relative error ratios (calculated using the 1-sigma total propagated uncertainty) of less than three.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Electronic Data Deliverable File

The EDD file arrived on December 13, 2007. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

Outliers Report

Potential outliers are measurements that are extremely large or small relative to the rest of the data and, therefore, are suspected of misrepresenting the population from which they were collected. Potential outliers may result from transcription errors, data-coding errors, or measurement system problems. However, outliers may also represent true extreme values of a distribution and indicate more variability in the population than was expected.

Statistical outlier tests give probabilistic evidence that an extreme value does not "fit" with the distribution of the remainder of the data and is therefore a statistical outlier. These tests should only be used to identify data points that require further investigation. The tests alone cannot determine whether a statistical outlier should be discarded or corrected within a data set.

There are three steps involved in identifying extreme values or outliers:

1. Identify extreme values that may be potential outliers by generating the Outliers Report using the Sample Management System from data in the SEEPro database. The application compares the new data set with historical data and lists all new data that fall outside the historical data range. Data listed in the report are highlighted if the concentration detected is not within 50 percent of historical minimum or maximum values. A determination is also made if the data are normally distributed using the Studentized Range Test.

2. Apply the appropriate statistical test. Dixon's Extreme Value test is used to test for statistical outliers when the sample size is less than or equal to 25. This test considers both extreme values that are much smaller than the rest of the data (case 1) and extreme values that are much larger than the rest of the data (case 2). This test is valid only if the data without the suspected outlier are normally distributed. Rosner's Test is a parametric test that is used to detect outliers for sample sizes of 25 or more. This test also assumes that the data without the suspected outliers are normally distributed.
3. Scientifically review statistical outliers and decide on their disposition.

No values from this sampling event were identified as potential outliers. The data for this RIN are acceptable as qualified.

Report Prepared By: _____

Data Validator

Data Validation Outliers Report - No Field Parameters
Laboratory: GENERAL ENGINEERING (Charleston, SC)
RIN: 07111265
Comparison: All Historical Data
Report Date: 2/8/2008

Site Code	Location Code	Sample Date	Analyte	Current Result	Current Qualifiers Lab	Current Qualifiers Data	Historical Maximum Result	Historical Maximum Qualifiers Lab	Historical Maximum Qualifiers Data	Historical Minimum Result	Historical Minimum Qualifiers Lab	Historical Minimum Qualifiers Data	Count N	Count N Below Detect	Normally Distributed	Statistical Outlier
MND01	0445	11/15/2007	Total Xylenes	0.598	J		5	U		0.958	J		21	19	Yes	No

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- G Possible grout contamination, pH > 9.
- Q Qualitative result due to sampling technique.
- X Location is undefined.
- J Estimated value.
- R Unusable result.

STATISTICAL TESTS:
The distribution of the data is tested for normality using the Studentized Range Test
Outliers are identified using Dixon's Test when there are 25 or fewer data points.
Outliers are identified using Rosner's Test when there are 26 or more data points.
See Data Quality Assessment: Statistical Methods for Practitioners, EPA QC/G-9S, February 2006.

SAMPLE MANAGEMENT SYSTEM

EDD Non-Conformance Report

Report Date: 12/18/2007

EDD File: \\condor\sms\07111265\07111265.txt

EDD Errors:

Record	Error Type	Field	Error Description
			NO ERRORS DETECTED

SAMPLE MANAGEMENT SYSTEM

General Data Validation Report

RIN: 07111265 **Lab Code:** GEN **Validator:** Gretchen Baer **Validation Date:** 12/18/2007

Project: Mound LTS&M Ground Water **Analysis Type:** ☑ Metals ☑ General Chem ☑ Rad ☑ Organics

# of Samples: 16 **Matrix:** WATER **Requested Analysis Completed:** Yes

Chain of Custody

Present: OK **Signed:** OK **Dated:** OK

Sample

Integrity: OK **Preservation:** OK **Temperature:** OK

Select Quality Parameters

☑ Holding Times	All analyses were completed within the applicable holding times.
☑ Detection Limits	The reported detection limits are equal to or below contract requirements.
☑ Field/Trip Blanks	There were 2 trip/equipment blanks evaluated.
☑ Field Duplicates	There was 1 duplicate evaluated.

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 8260B	Bromodichloromethane	0.51	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 8260B	Bromoform	0.295	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806015	5	1	U		
197806016	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 8260B	Chloroform	0.91	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 3005/6010B	Chromium	1.28	J	1	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806001	24.7	1			
197806002	1	1	U		
197806004	55.5	1			
197806005	23.5	1			
197806008	1	1	U		
197806009	29.9	1			
197806015	60.1	1			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 8260B	Dibromochloromethane	0.417	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013		Dibromochloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 3005/6010B	Nickel	1.03	J	1	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806001	178	1			
197806002	40	1	J		
197806004	34.9	1	J		
197806005	12.8	1	J		
197806008	1	1	U		
197806009	19.4	1	J		
197806015	39.1	1	J		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013	EPA 3005/6010B	Sodium	950	J	45	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806001	81700	1			
197806004	58300	1			
197806006	64900	1			
197806008	321000	5			
197806009	102000	1			
197806011	4900000	50			

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Equipment Blank	197806013		Sodium				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806015	58600	1			
197806016	86800	1			

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014	EPA 8260B	Bromodichloromethane	3.2	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806013	0.51	1	J	U	
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014	EPA 8260B	Bromoform	0.44	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 Lab Code: GEN Project: Mound LTS&M Ground Water Validation Date: 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014		Bromoform				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806012	5	1	U		
197806013	0.295	1	J	U	
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014	EPA 8260B	Chloroform	10.9		5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806013	0.91	1	J	U	
197806015	5	1	U		
197806016	5	1	U		

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014	EPA 8260B	Dibromochloromethane	1.51	J	5	ug/L

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806003	5	1	U		
197806004	5	1	U		
197806006	5	1	U		
197806007	5	1	U		
197806009	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Equipment/Trip Blanks

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Blank Data

Blank Type	Lab Sample ID	Lab Method	Analyte Name	Result	Qualifier	MDL	Units
Trip Blank	197806014		Dibromochloromethane				

Sample ID	Result	Dilution Factor	Lab Qualifier	Validation Qualifier	Comment
197806010	5	1	U		
197806011	5	1	U		
197806012	5	1	U		
197806013	0.417	1	J	U	
197806015	5	1	U		
197806016	5	1	U		

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Duplicate: 1400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
1,1,1,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,1-Trichloroethane	5	U		5	U				ug/L
1,1,2,2-Tetrachloroethane	5	U		5	U				ug/L
1,1,2-Trichloroethane	5	U		5	U				ug/L
1,1-Dichloroethane	5	U		5	U				ug/L
1,1-Dichloroethylene	5	U		5	U				ug/L
1,1-Dichloropropene	5	U		5	U				ug/L
1,2,3-Trichlorobenzene	5	U		5	U				ug/L
1,2,3-Trichloropropane	5	U		5	U				ug/L
1,2,4-Trichlorobenzene	5	U		5	U				ug/L
1,2,4-Trimethylbenzene	5	U		5	U				ug/L
1,2-Dibromo-3-chloropropane	5	U		5	U				ug/L
1,2-Dibromoethane	5	U		5	U				ug/L
1,2-Dichlorobenzene	5	U		5	U				ug/L
1,2-Dichloroethane	5	U		5	U				ug/L
1,2-Dichloropropane	5	U		5	U				ug/L
1,3,5-Trimethylbenzene	5	U		5	U				ug/L
1,3-Dichlorobenzene	5	U		5	U				ug/L
1,3-Dichloropropane	5	U		5	U				ug/L
1,4-Dichlorobenzene	5	U		5	U				ug/L
2,2-Dichloropropane	5	U		5	U				ug/L
2-Butanone	100	U		100	U				ug/L
2-Chlorotoluene	5	U		5	U				ug/L
2-Hexanone	50	U		50	U				ug/L
4-Chlorotoluene	5	U		5	U				ug/L
4-Isopropyltoluene	5	U		5	U				ug/L
4-Methyl-2-pentanone	50	U		50	U				ug/L
Acetone	100	U		100	U				ug/L
Barium	90.9	J		90.1	J		0.88		ug/L
Benzene	5	U		5	U				ug/L
Bromobenzene	5	U		5	U				ug/L
Bromochloromethane	5	U		5	U				ug/L
Bromodichloromethane	5	U		5	U				ug/L
Bromoform	5	U		5	U				ug/L
Bromomethane	5	U		5	U				ug/L
Carbon disulfide	5	U		5	U				ug/L
Carbon tetrachloride	5	U		5	U				ug/L
Chloride	92.3			90.8			1.64		mg/L
Chlorobenzene	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Validation Report: Field Duplicates

RIN: 07111265 **Lab Code:** GEN **Project:** Mound LTS&M Ground Water **Validation Date:** 12/18/2007

Duplicate: 1400 **Sample:** 400

Analyte	Sample Result	Sample Flag	Sample Error	Duplicate Result	Duplicate Flag	Duplicate Error	RPD	RER	Units
Chloroethane	5	U		5	U				ug/L
Chloroform	5	U		5	U				ug/L
Chloromethane	5	U		5	U				ug/L
Chromium	55.5			60.1			7.96		ug/L
cis-1,2-Dichloroethylene	5	U		5	U				ug/L
cis-1,3-Dichloropropylene	5	U		5	U				ug/L
Dibromochloromethane	5	U		5	U				ug/L
Dibromomethane	5	U		5	U				ug/L
Dichlorodifluoromethane	5	U		5	U				ug/L
Ethylbenzene	5	U		5	U				ug/L
Hexachlorobutadiene	5	U		5	U				ug/L
Isopropylbenzene	5	U		5	U				ug/L
Methylene chloride	5	U		5	U				ug/L
Naphthalene	5	U		5	U				ug/L
n-Butylbenzene	5	U		5	U				ug/L
Nickel	34.9	J		39.1	J		11.35		ug/L
n-Propylbenzene	5	U		5	U				ug/L
Radium-226	0.81		0.424	0.281	U	0.286		2.0	pCi/L
Radium-228	0.246	U	0.281	0.029	U	0.265		1.1	pCi/L
sec-Butylbenzene	5	U		5	U				ug/L
Sodium	58300			58600			0.51		ug/L
Styrene	5	U		5	U				ug/L
tert-Butylbenzene	5	U		5	U				ug/L
Tetrachloroethylene	5	U		5	U				ug/L
Toluene	5	U		5	U				ug/L
trans-1,2-Dichloroethylene	5	U		5	U				ug/L
trans-1,3-Dichloropropylene	5	U		5	U				ug/L
Trichloroethylene	5	U		5	U				ug/L
Trichlorofluoromethane	5	U		5	U				ug/L
Trichlorotrifluoroethane	5	U		5	U				ug/L
Vinyl chloride	5	U		5	U				ug/L
Xylenes (total)	5	U		5	U				ug/L

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07111265 **Lab Code:** GEN **Date Due:** 12/14/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 12/13/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
FMQ 003	VOAs	11/26/2007					104.0	93.0	108.0	103.0				
FMQ 004 (Dup)	VOAs	11/26/2007					95.0	88.0	101.0	95.0				
FMQ 007	VOAs	11/26/2007					107.0	93.0	109.0	103.0				
FMQ 008	VOAs	11/26/2007					103.0	97.0	107.0	105.0				
FMQ 009 (EB)	VOAs	11/26/2007					105.0	97.0	109.0	106.0				
FMQ 010 (TB)	VOAs	11/26/2007					103.0	93.0	107.0	104.0				
FMZ 994	VOAs	11/26/2007					103.0	95.0	107.0	103.0				
FMZ 995	VOAs	11/26/2007					104.0	96.0	109.0	103.0				
FMZ 996	VOAs	11/26/2007					95.0	89.0	99.0	96.0				
FMZ 997	VOAs	11/26/2007					96.0	89.0	101.0	98.0				
FMZ 998	VOAs	11/26/2007					103.0	94.0	108.0	104.0				
FMZ 999	VOAs	11/26/2007					95.0	88.0	100.0	96.0				
LCS	1,1-Dichloroethene	11/26/2007					91.0	87.0	98.0	96.0	103.0			
LCS	Benzene	11/26/2007									101.0			
LCS	Chlorobenzene	11/26/2007									97.0			
LCS	Toluene	11/26/2007									101.0			
LCS	Trichloroethene	11/26/2007									106.0			

SAMPLE MANAGEMENT SYSTEM

Organics Data Validation Worksheet

RIN: 07111265 **Lab Code:** GEN **Date Due:** 12/14/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 12/13/2007

Sample	Analyte	Date Analyzed	Calibration Exceptions				SUR1 %R	SUR2 %R	SUR3 %R	SUR4 %R	LCS %R	MS %R	MSD %R	DUP %RSD
			Col.	AVG or R^2	Inter. or RSD	CCV %D								
Method Blank	VOAs	11/26/2007					93.0	89.0	99.0	98.0				
MS	1,1-Dichloroethene	11/26/2007					92.0	87.0	98.0	95.0		93.0	96.0	3.00
MS	Benzene	11/26/2007										92.0	98.0	7.00
MS	Chlorobenzene	11/26/2007										91.0	96.0	4.00
MS	Toluene	11/26/2007										93.0	97.0	5.00
MS	Trichloroethene	11/26/2007										95.0	102.0	7.00
MSD	VOAs	11/26/2007					96.0	94.0	103.0	100.0				

SAMPLE MANAGEMENT SYSTEM

Metals Data Validation Worksheet

RIN: 07111265 **Lab Code:** GEN **Date Due:** 12/14/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 12/13/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	Dup. RPD	ICSAB %R	Serial Dil. %R	CRI %R
		Int.	R^2	ICV	CCV	ICB	CCB								
Barium	12/04/2007							OK	102.0	99.0		1.0		0.4	
Barium	12/04/2007							OK		98.0		1.0		2.7	
Chromium	12/04/2007							OK	100.0	99.0		1.0		2.4	
Chromium	12/04/2007							OK		98.0		9.0		1.9	
Nickel	12/04/2007							OK	100.0	94.0		1.0		6.2	
Nickel	12/04/2007							OK		94.0		0.0			
Sodium	12/04/2007							OK	101.0			5.0		1.4	
Sodium	12/04/2007							OK				0.0		0.4	

SAMPLE MANAGEMENT SYSTEM

Wet Chemistry Data Validation Worksheet

RIN: 07111265 **Lab Code:** GEN **Date Due:** 12/14/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 12/13/2007

Analyte	Date Analyzed	CALIBRATION						Method Blank	LCS %R	MS %R	MSD %R	DUP RPD	Serial Dil. %R
		Int.	R^2	ICV	CCV	ICB	CCB						
Chloride	11/17/2007							OK	95.0	93.0		1.00	

SAMPLE MANAGEMENT SYSTEM
Radiochemistry Data Validation Worksheet

RIN: 07111265 **Lab Code:** GEN **Date Due:** 12/14/2007

Matrix: Water **Site Code:** MND3 **Date Completed:** 12/13/2007

Sample	Analyte	Date Analyzed	Result	Flag	Tracer %R	LCS %R	MS %R	Duplicate
Duplicate	Radium-226	12/11/2007						1.20
LCS	Radium-226	12/11/2007				90.0		
Method Blank	Radium-226	12/11/2007	-0.0314	U				
MS	Radium-226	12/11/2007					92.0	
FMQ 003	Radium-228	11/27/2007			88.0			
LCS	Radium-228	11/27/2007				105.0		
FMZ 995	Radium-228	11/27/2007			81.0			
FMQ 007	Radium-228	11/27/2007			85.0			
FMQ 009	Radium-228	11/27/2007			77.0			
FMQ 004	Radium-228	11/27/2007			89.0			
FMZ 999	Radium-228	11/27/2007			89.0			
Duplicate	Radium-228	11/27/2007						0.50
Method Blank	Radium-228	11/27/2007	0.5830	U				
MS	Radium-228	11/27/2007					115.0	

End of current text

Appendix C

2007 Phase I MNA and Confirmatory Sampling Data

This page intentionally left blank

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0319 WELL Mound Operable Unit 1

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	03/02/2007	N002	42.8	-	52.8	129			#	.66	
Chromium	mg/L	03/02/2007	N002	42.8	-	52.8	0.0618			#	.001	
Chromium	mg/L	03/02/2007	N004	42.8	-	52.8	0.0058	J		#	.001	
Dissolved Oxygen	mg/L	03/02/2007	N001	42.8	-	52.8	0.3			0		
Dissolved Oxygen	mg/L	03/02/2007	N003	42.8	-	52.8	2.66			0		
Nickel	mg/L	03/02/2007	N002	42.8	-	52.8	0.461			#	.001	
Nickel	mg/L	03/02/2007	N004	42.8	-	52.8	0.0413			#	.001	
Oxidation Reduction Potential	mV	03/02/2007	N001	42.8	-	52.8	4.2			0		
Oxidation Reduction Potential	mV	03/02/2007	N003	42.8	-	52.8	26.3			0		
pH	s.u.	03/02/2007	N001	42.8	-	52.8	6.97			0		
pH	s.u.	03/02/2007	N003	42.8	-	52.8	7.04			0		
Sodium	mg/L	03/02/2007	N002	42.8	-	52.8	83.2			#	.045	
Specific Conductance	umhos /cm	03/02/2007	N001	42.8	-	52.8	1070			0		
Specific Conductance	umhos /cm	03/02/2007	N003	42.8	-	52.8	1125			0		
Temperature	C	03/02/2007	N001	42.8	-	52.8	12.72			0		
Temperature	C	03/02/2007	N003	42.8	-	52.8	13.84			0		
Turbidity	NTU	03/02/2007	N001	42.8	-	52.8	9.2			0		
Turbidity	NTU	03/02/2007	N003	42.8	-	52.8	2.26			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	13	-	18	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	13	-	18	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	13	-	18	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	13	-	18	100	U		#	100	
Benzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Chlorobenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	13	-	18	2.25			0		
Ethylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	13	-	18	134			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
pH	s.u.	02/28/2007	N001	13	-	18	6.44			0		
sec-Butylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	02/28/2007	N001	13	-	18	1367			0		
Styrene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Temperature	C	02/28/2007	N001	13	-	18	9.14			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	13	-	18	94.9			0		
Vinyl chloride	ug/L	02/28/2007	N002	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,1,2-Tetrachloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2,3-Trichloropropane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,3-Trichloropropane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,3-Dichloropropane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
2-Butanone	ug/L	03/02/2007	N002	22.5	-	32.5	100	U		#	100	
2-Butanone	ug/L	03/02/2007	N003	22.5	-	32.5	100	U		#	100	
2-Chlorotoluene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
2-Chlorotoluene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
2-Hexanone	ug/L	03/02/2007	N002	22.5	-	32.5	50	U		#	50	
2-Hexanone	ug/L	03/02/2007	N003	22.5	-	32.5	50	U		#	50	
4-Chlorotoluene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
4-Chlorotoluene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	03/02/2007	N002	22.5	-	32.5	50	U		#	50	
4-Methyl-2-Pentanone	ug/L	03/02/2007	N003	22.5	-	32.5	50	U		#	50	
Acetone	ug/L	03/02/2007	N002	22.5	-	32.5	100	U		#	100	
Acetone	ug/L	03/02/2007	N003	22.5	-	32.5	100	U		#	100	
Barium	mg/L	03/02/2007	N002	22.5	-	32.5	0.0501	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Barium	mg/L	03/02/2007	N003	22.5	-	32.5	0.05	J		#	.001	
Benzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Benzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chloride	mg/L	03/02/2007	N002	22.5	-	32.5	35.6			#	.33	
Chloride	mg/L	03/02/2007	N003	22.5	-	32.5	35.5			#	.33	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Chlorobenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Chromium	mg/L	03/02/2007	N002	22.5	-	32.5	0.0324			#	.001	
Chromium	mg/L	03/02/2007	N003	22.5	-	32.5	0.0473			#	.001	
Chromium	mg/L	03/02/2007	N004	22.5	-	32.5	0.0309			#	.001	
cis-1,2-Dichloroethene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Dichlorodifluoromethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Dichlorodifluoromethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Dissolved Oxygen	mg/L	03/02/2007	N001	22.5	-	32.5	6.75			0		
Dissolved Oxygen	mg/L	03/02/2007	N005	22.5	-	32.5	7.19			0		
Ethylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Ethylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Nickel	mg/L	03/02/2007	N002	22.5	-	32.5	0.0146	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SIT MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Nickel	mg/L	03/02/2007	N03	22.5 - 32.5	0.0165	J		#	.001	
Nickel	mg/L	03/02/2007	N04	22.5 - 32.5	0.0101	J		#	.001	
Oxidation Reduction Potential	mV	03/02/2007	N01	22.5 - 32.5	39.7			0		
Oxidation Reduction Potential	mV	03/02/2007	N05	22.5 - 32.5	77.9			0		
p-Isopropyltoluene	ug/L	03/02/2007	N02	22.5 - 32.5	5	U		#	5	
p-Isopropyltoluene	ug/L	03/02/2007	N03	22.5 - 32.5	5	U		#	5	
pH	s.u.	03/02/2007	N01	22.5 - 32.5	7.12			0		
pH	s.u.	03/02/2007	N05	22.5 - 32.5	6.41			0		
Radium-226	pCi/L	03/02/2007	N02	22.5 - 32.5	1.94			#	.383	.538
Radium-226	pCi/L	03/02/2007	N03	22.5 - 32.5	1.69			#	.515	.562
Radium-228	pCi/L	03/02/2007	N02	22.5 - 32.5	0.839		J	#	.633	.455
Radium-228	pCi/L	03/02/2007	N03	22.5 - 32.5	0.243	U		#	.812	.462
sec-Butylbenzene	ug/L	03/02/2007	N02	22.5 - 32.5	5	U		#	5	
sec-Butylbenzene	ug/L	03/02/2007	N03	22.5 - 32.5	5	U		#	5	
Sodium	mg/L	03/02/2007	N02	22.5 - 32.5	16.5			#	.045	
Sodium	mg/L	03/02/2007	N03	22.5 - 32.5	16.5			#	.045	
Specific Conductance	umhos /cm	03/02/2007	N01	22.5 - 32.5	629			0		
Specific Conductance	umhos /cm	03/02/2007	N05	22.5 - 32.5	635			0		
Styrene	ug/L	03/02/2007	N02	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Styrene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Temperature	C	03/02/2007	N001	22.5	-	32.5	13.51			0		
Temperature	C	03/02/2007	N005	22.5	-	32.5	12.95			0		
tert-Butylbenzene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
tert-Butylbenzene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	03/02/2007	N002	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	03/02/2007	N003	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	03/02/2007	N01	22.5 - 32.5	6.28			0		
Turbidity	NTU	03/02/2007	N05	22.5 - 32.5	4.15			0		
Vinyl chloride	ug/L	03/02/2007	N02	22.5 - 32.5	5	U		#	5	
Vinyl chloride	ug/L	03/02/2007	N03	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	20.74	-	30.74	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	20.74	-	30.74	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	20.74	-	30.74	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	20.74	-	30.74	100	U		#	100	
Barium	mg/L	02/28/2007	N002	20.74	-	30.74	0.0533	J		#	.001	
Benzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Chloride	mg/L	02/28/2007	N002	20.74	-	30.74	68.8			#	.66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Chloroethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	20.74	-	30.74	5.68			0		
Ethylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	20.74	-	30.74	86.9			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	02/28/2007	N001	20.74	-	30.74	7.04			0		
Radium-226	pCi/L	02/28/2007	N002	20.74	-	30.74	0.808		J	#	.382	.358
Radium-228	pCi/L	02/28/2007	N002	20.74	-	30.74	0.48	U		#	.675	.425
sec-Butylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Sodium	mg/L	02/28/2007	N002	20.74	-	30.74	51.2			#	.045	
Specific Conductance	umhos /cm	02/28/2007	N001	20.74	-	30.74	929			0		
Styrene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Temperature	C	02/28/2007	N001	20.74	-	30.74	10.92			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	20.74	-	30.74	0.292	J		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	20.74	-	30.74	6.21			0		
Vinyl chloride	ug/L	02/28/2007	N002	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	27.94	-	37.94	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	27.94	-	37.94	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	27.94	-	37.94	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	27.94	-	37.94	100	U		#	100	
Benzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Chlorobenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	27.94	-	37.94	1.7	J		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	27.94	-	37.94	1.08			0		
Ethylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	27.94	-	37.94	117.8			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
pH	s.u.	02/28/2007	N001	27.94	-	37.94	5.58			0		
sec-Butylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	02/28/2007	N001	27.94	-	37.94	1575			0		
Styrene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Temperature	C	02/28/2007	N001	27.94	-	37.94	8.18			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	27.94	-	37.94	12.7			#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	27.94	-	37.94	10.3			0		
Vinyl chloride	ug/L	02/28/2007	N002	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0442 WELL Additional Monitoring Around Well 0411, Well 0442 Station 0442, Additional Well 0411 Well 0442

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	02/28/2007	N002	23.28	-	33.28	389			#	3.3	
Chromium	mg/L	02/28/2007	N002	23.28	-	33.28	0.001	U		#	.001	
Dissolved Oxygen	mg/L	02/28/2007	N001	23.28	-	33.28	5.66			0		
Nickel	mg/L	02/28/2007	N002	23.28	-	33.28	0.001	U		#	.001	
Oxidation Reduction Potential	mV	02/28/2007	N001	23.28	-	33.28	88.4			0		
pH	s.u.	02/28/2007	N001	23.28	-	33.28	6.99			0		
Sodium	mg/L	02/28/2007	N002	23.28	-	33.28	337			#	.225	
Specific Conductance	umhos /cm	02/28/2007	N001	23.28	-	33.28	2522			0		
Temperature	C	02/28/2007	N001	23.28	-	33.28	11.69			0		
Turbidity	NTU	02/28/2007	N001	23.28	-	33.28	3.39			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	27.69 - 37.69	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	27.69 - 37.69	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	27.69 - 37.69	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	27.69 - 37.69	100	U		#	100	
Benzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Chloride	mg/L	02/28/2007	N002	27.69 - 37.69	206			#	1.32	
Chlorobenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Chloroethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Chromium	mg/L	02/28/2007	N002	27.69 - 37.69	0.00132	J		#	.001	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	27.69 - 37.69	0.919	J		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	27.69 - 37.69	4.02			0		
Ethylbenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	27.69 - 37.69	5	U		#	5	
Nickel	mg/L	02/28/2007	N002	27.69 - 37.69	0.00193	J		#	.001	
Oxidation Reduction Potential	mV	02/28/2007	N001	27.69 - 37.69	86.2			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
p-Isopropyltoluene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
pH	s.u.	02/28/2007	N001	27.69	-	37.69	6.88			0		
sec-Butylbenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Sodium	mg/L	02/28/2007	N002	27.69	-	37.69	96.8			#	.225	
Specific Conductance	umhos /cm	02/28/2007	N001	27.69	-	37.69	1500			0		
Styrene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Temperature	C	02/28/2007	N001	27.69	-	37.69	13.54			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	27.69	-	37.69	12.3			#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	27.69	-	37.69	1.05			0		
Vinyl chloride	ug/L	02/28/2007	N002	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	20.51	-	30.51	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	20.51	-	30.51	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	20.51	-	30.51	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	20.51	-	30.51	100	U		#	100	
Benzene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Chlorobenzene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	20.51 - 30.51	2.46			0		
Ethylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	20.51 - 30.51	96.2			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	
pH	s.u.	02/28/2007	N001	20.51 - 30.51	6.79			0		
sec-Butylbenzene	ug/L	02/28/2007	N002	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	02/28/2007	N001	20.51	-	30.51	1155			0		
Styrene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Temperature	C	02/28/2007	N001	20.51	-	30.51	11.94			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	20.51	-	30.51	1.53			0		
Vinyl chloride	ug/L	02/28/2007	N002	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	30.36 - 40.36	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	30.36 - 40.36	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	30.36 - 40.36	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	30.36 - 40.36	100	U		#	100	
Barium	mg/L	02/28/2007	N002	30.36 - 40.36	0.098	J		#	.001	
Benzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Chloride	mg/L	02/28/2007	N002	30.36 - 40.36	143			#	.66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Chloroethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	30.36 - 40.36	3.23			0		
Ethylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	30.36 - 40.36	120.7			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	02/28/2007	N001	30.36 - 40.36	6.65			0		
Radium-226	pCi/L	02/28/2007	N002	30.36 - 40.36	1.2			#	.295	.401
Radium-228	pCi/L	02/28/2007	N002	30.36 - 40.36	1.97		J	#	.82	.679
sec-Butylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Sodium	mg/L	02/28/2007	N002	30.36 - 40.36	107			#	.225	
Specific Conductance	umhos /cm	02/28/2007	N001	30.36 - 40.36	1192			0		
Styrene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Temperature	C	02/28/2007	N001	30.36 - 40.36	10.76			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	30.36 - 40.36	15.1			0		
Vinyl chloride	ug/L	02/28/2007	N002	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	20	-	25	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	20	-	25	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	20	-	25	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	20	-	25	100	U		#	100	
Barium	mg/L	02/28/2007	N002	20	-	25	0.1			#	.001	
Benzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Chloride	mg/L	02/28/2007	N002	20	-	25	201			#	1.32	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Chlorodibromomethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Chloroethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	20	-	25	1.31			0		
Ethylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	20	-	25	78.4			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	02/28/2007	N001	20	-	25	6.88			0		
Radium-226	pCi/L	02/28/2007	N002	20	-	25	0.897		J	#	.517	.428
Radium-228	pCi/L	02/28/2007	N002	20	-	25	0.757		J	#	.658	.458
sec-Butylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Sodium	mg/L	02/28/2007	N002	20	-	25	117			#	.225	
Specific Conductance	umhos /cm	02/28/2007	N001	20	-	25	1442			0		
Styrene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Temperature	C	02/28/2007	N001	20	-	25	13.92			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	20	-	25	5.29			0		
Vinyl chloride	ug/L	02/28/2007	N002	20	-	25	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0319 WELL Mound Operable Unit 1

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	05/24/2007	N001	42.8	-	52.8	130			#	1.32	
Chromium	mg/L	05/24/2007	N001	42.8	-	52.8	0.094			#	.001	
Chromium	mg/L	05/24/2007	N003	42.8	-	52.8	0.00555	J		#	.001	
Dissolved Oxygen	mg/L	05/24/2007	N002	42.8	-	52.8	0.29			0		
Dissolved Oxygen	mg/L	05/24/2007	N004	42.8	-	52.8	0.25			0		
Nickel	mg/L	05/24/2007	N001	42.8	-	52.8	0.201			#	.001	
Nickel	mg/L	05/24/2007	N003	42.8	-	52.8	0.0354	J		#	.001	
Oxidation Reduction Potential	mV	05/24/2007	N002	42.8	-	52.8	-41.6			0		
Oxidation Reduction Potential	mV	05/24/2007	N004	42.8	-	52.8	-26.6			0		
pH	s.u.	05/24/2007	N002	42.8	-	52.8	7.1			0		
pH	s.u.	05/24/2007	N004	42.8	-	52.8	7.11			0		
Sodium	mg/L	05/24/2007	N001	42.8	-	52.8	78			#	.045	
Specific Conductance	umhos /cm	05/24/2007	N002	42.8	-	52.8	1096			0		
Specific Conductance	umhos /cm	05/24/2007	N004	42.8	-	52.8	1132			0		
Temperature	C	05/24/2007	N002	42.8	-	52.8	15.32			0		
Temperature	C	05/24/2007	N004	42.8	-	52.8	15.06			0		
Turbidity	NTU	05/24/2007	N002	42.8	-	52.8	9.73			0		
Turbidity	NTU	05/24/2007	N004	42.8	-	52.8	2.84			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,3-Dichloropropane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	13	-	18	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	13	-	18	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	13	-	18	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	13	-	18	2.74	J		#	100	
Benzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Carbon Disulfide	ug/L	05/23/2007	N001	13	-	18	1.34	J	U	#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Chlorobenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Chlorodibromomethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Chloroethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	13	-	18	0.609	J	U	#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	13	-	18	1.76			0		
Ethylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
n-Propylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	13	-	18	-48.9			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
pH	s.u.	05/23/2007	N002	13	-	18	7			0		
sec-Butylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Specific Conductance	umhos /cm	05/23/2007	N002	13	-	18	1379			0		
Styrene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Temperature	C	05/23/2007	N002	13	-	18	17.03			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	05/23/2007	N002	13	-	18	7			0		
Vinyl chloride	ug/L	05/23/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1,1,2-Tetrachloroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/24/2007	N005	22.5 - 32.5	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/24/2007	N001	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,3-Trichloropropane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,3-Dichloropropane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
2-Butanone	ug/L	05/24/2007	N001	22.5	-	32.5	100	U		#	100	
2-Butanone	ug/L	05/24/2007	N005	22.5	-	32.5	100	U		#	100	
2-Chlorotoluene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
2-Chlorotoluene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
2-Hexanone	ug/L	05/24/2007	N001	22.5	-	32.5	50	U		#	50	
2-Hexanone	ug/L	05/24/2007	N005	22.5	-	32.5	50	U		#	50	
4-Chlorotoluene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
4-Chlorotoluene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/24/2007	N001	22.5	-	32.5	50	U		#	50	
4-Methyl-2-Pentanone	ug/L	05/24/2007	N005	22.5	-	32.5	50	U		#	50	
Acetone	ug/L	05/24/2007	N001	22.5	-	32.5	2.62	J		#	100	
Acetone	ug/L	05/24/2007	N005	22.5	-	32.5	100	U		#	100	
Barium	mg/L	05/24/2007	N001	22.5	-	32.5	0.078	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Barium	mg/L	05/24/2007	N005	22.5	-	32.5	0.0786	J		#	.001	
Benzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Benzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chloride	mg/L	05/24/2007	N001	22.5	-	32.5	65.4			#	.66	
Chloride	mg/L	05/24/2007	N005	22.5	-	32.5	64.1			#	.66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorobenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Chromium	mg/L	05/24/2007	N001	22.5	-	32.5	0.0829			#	.001	
Chromium	mg/L	05/24/2007	N003	22.5	-	32.5	0.0221			#	.001	
Chromium	mg/L	05/24/2007	N005	22.5	-	32.5	0.0994			#	.001	
cis-1,2-Dichloroethene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Dichlorodifluoromethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Dissolved Oxygen	mg/L	05/24/2007	N002	22.5	-	32.5	4.67			0		
Dissolved Oxygen	mg/L	05/24/2007	N004	22.5	-	32.5	4.9			0		
Ethylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Ethylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Nickel	mg/L	05/24/2007	N001	22.5	-	32.5	0.0469			#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Nickel	mg/L	05/24/2007	N003	22.5	-	32.5	0.0185	J		#	.001	
Nickel	mg/L	05/24/2007	N005	22.5	-	32.5	0.0571			#	.001	
Oxidation Reduction Potential	mV	05/24/2007	N002	22.5	-	32.5	69.4			0		
Oxidation Reduction Potential	mV	05/24/2007	N004	22.5	-	32.5	88.1			0		
p-Isopropyltoluene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
p-Isopropyltoluene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
pH	s.u.	05/24/2007	N002	22.5	-	32.5	6.93			0		
pH	s.u.	05/24/2007	N004	22.5	-	32.5	6.93			0		
Radium-226	pCi/L	05/24/2007	N001	22.5	-	32.5	0.397	U		#	.493	.33
Radium-226	pCi/L	05/24/2007	N005	22.5	-	32.5	0.672		J	#	.28	.321
Radium-228	pCi/L	05/24/2007	N001	22.5	-	32.5	0.717		J	#	.704	.497
Radium-228	pCi/L	05/24/2007	N005	22.5	-	32.5	0.922		J	#	.667	.523
sec-Butylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
sec-Butylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Sodium	mg/L	05/24/2007	N001	22.5	-	32.5	41.2			#	.045	
Sodium	mg/L	05/24/2007	N005	22.5	-	32.5	42			#	.045	
Specific Conductance	umhos /cm	05/24/2007	N002	22.5	-	32.5	954			0		
Specific Conductance	umhos /cm	05/24/2007	N004	22.5	-	32.5	952			0		
Styrene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Styrene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Temperature	C	05/24/2007	N002	22.5	-	32.5	15.9			0		
Temperature	C	05/24/2007	N004	22.5	-	32.5	14.77			0		
tert-Butylbenzene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
tert-Butylbenzene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	05/24/2007	N002	22.5	-	32.5	9.62			0		
Turbidity	NTU	05/24/2007	N004	22.5	-	32.5	5.06			0		
Vinyl chloride	ug/L	05/24/2007	N001	22.5	-	32.5	5	U		#	5	
Vinyl chloride	ug/L	05/24/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	20.74	-	30.74	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	20.74	-	30.74	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	20.74	-	30.74	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	20.74	-	30.74	100	U		#	100	
Barium	mg/L	05/23/2007	N001	20.74	-	30.74	0.0514	J		#	.001	
Benzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloride	mg/L	05/23/2007	N001	20.74	-	30.74	80.8			#	.66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chlorodibromomethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	20.74	-	30.74	7.5			0		
Ethylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	20.74	-	30.74	158.7			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	05/23/2007	N002	20.74 - 30.74	7.13			0		
Radium-226	pCi/L	05/23/2007	N001	20.74 - 30.74	0.586		J	#	.499	.378
Radium-228	pCi/L	05/23/2007	N001	20.74 - 30.74	0.574	U		#	.67	.446
sec-Butylbenzene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Sodium	mg/L	05/23/2007	N001	20.74 - 30.74	41.1			#	.045	
Specific Conductance	umhos /cm	05/23/2007	N002	20.74 - 30.74	974			0		
Styrene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Temperature	C	05/23/2007	N002	20.74 - 30.74	13.06			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	20.74 - 30.74	9.72			0		
Vinyl chloride	ug/L	05/23/2007	N001	20.74 - 30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	27.94	-	37.94	0.331	J		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	27.94	-	37.94	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	27.94	-	37.94	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	27.94	-	37.94	2.29	J		#	50	
Acetone	ug/L	05/23/2007	N001	27.94	-	37.94	11.8	J		#	100	
Benzene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Chlorobenzene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Chlorodibromomethane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	27.94 - 37.94	1.56	J		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	27.94 - 37.94	0.54			0		
Ethylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	27.94 - 37.94	-29.2			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	
pH	s.u.	05/23/2007	N002	27.94 - 37.94	6.94			0		
sec-Butylbenzene	ug/L	05/23/2007	N001	27.94 - 37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	05/23/2007	N002	27.94	-	37.94	1561			0		
Styrene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Temperature	C	05/23/2007	N002	27.94	-	37.94	23.73			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	27.94	-	37.94	12.1			#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	27.94	-	37.94	54.2			0		
Vinyl chloride	ug/L	05/23/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0442 WELL Additional Monitoring Around Well 0411, Well 0442 Station 0442, Additional Well 0411 Well 0442

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	05/23/2007	N001	23.28	-	33.28	783			#	6.6	
Chromium	mg/L	05/23/2007	N001	23.28	-	33.28	0.001	U		#	.001	
Dissolved Oxygen	mg/L	05/23/2007	N002	23.28	-	33.28	4.66			0		
Nickel	mg/L	05/23/2007	N001	23.28	-	33.28	0.001	U		#	.001	
Oxidation Reduction Potential	mV	05/23/2007	N002	23.28	-	33.28	14.7			0		
pH	s.u.	05/23/2007	N002	23.28	-	33.28	7.1			0		
Sodium	mg/L	05/23/2007	N001	23.28	-	33.28	306			#	.225	
Specific Conductance	umhos /cm	05/23/2007	N002	23.28	-	33.28	2565			0		
Temperature	C	05/23/2007	N002	23.28	-	33.28	13.72			0		
Turbidity	NTU	05/23/2007	N002	23.28	-	33.28	3.74			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	27.69	-	37.69	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	27.69	-	37.69	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	27.69	-	37.69	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	27.69	-	37.69	100	U		#	100	
Benzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Chloride	mg/L	05/23/2007	N001	27.69	-	37.69	151			#	1.32	
Chlorobenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Chloroethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	27.69	-	37.69	0.55	J	U	#	5	
Chromium	mg/L	05/23/2007	N001	27.69	-	37.69	0.001	U		#	.001	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	27.69	-	37.69	8.23			0		
Ethylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Nickel	mg/L	05/23/2007	N001	27.69	-	37.69	0.001	U		#	.001	
Oxidation Reduction Potential	mV	05/23/2007	N002	27.69	-	37.69	71.6			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
p-Isopropyltoluene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
pH	s.u.	05/23/2007	N002	27.69	-	37.69	7.03			0		
sec-Butylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Sodium	mg/L	05/23/2007	N001	27.69	-	37.69	84.8			#	.045	
Specific Conductance	umhos /cm	05/23/2007	N002	27.69	-	37.69	1368			0		
Styrene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Temperature	C	05/23/2007	N002	27.69	-	37.69	16.08			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	27.69	-	37.69	3.06	J		#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	27.69	-	37.69	7.9			0		
Vinyl chloride	ug/L	05/23/2007	N001	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	20.51	-	30.51	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	20.51	-	30.51	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	20.51	-	30.51	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	20.51	-	30.51	100	U		#	100	
Benzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Chlorobenzene	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	
Chlorodibromomethane	ug/L	05/23/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	20.51 - 30.51	3.22			0		
Ethylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	20.51 - 30.51	133.1			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
pH	s.u.	05/23/2007	N002	20.51 - 30.51	7.01			0		
sec-Butylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	05/23/2007	N002	20.51 - 30.51	1161			0		
Styrene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Temperature	C	05/23/2007	N002	20.51 - 30.51	14.42			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	20.51 - 30.51	4.47			0		
Vinyl chloride	ug/L	05/23/2007	N001	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1-Dichloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1-Dichloroethene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,1-Dichloropropene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2-Dibromoethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2-Dichloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,2-Dichloropropane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
2,2-Dichloropropane	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
2-Butanone	ug/L	05/24/2007	N001	30.36 - 40.36	100	U		#	100	
2-Chlorotoluene	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
2-Hexanone	ug/L	05/24/2007	N001	30.36 - 40.36	50	U		#	50	
4-Chlorotoluene	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/24/2007	N001	30.36 - 40.36	50	U		#	50	
Acetone	ug/L	05/24/2007	N001	30.36 - 40.36	100	U		#	100	
Barium	mg/L	05/24/2007	N001	30.36 - 40.36	0.543			#	.001	
Benzene	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Bromobenzene	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Bromochloromethane	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Bromodichloromethane	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Bromoform	ug/L	05/24/2007	N001	30.36 - 40.36	2.22	J		#	5	
Bromomethane	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Carbon Disulfide	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Carbon tetrachloride	ug/L	05/24/2007	N001	30.36 - 40.36	5	U		#	5	
Chloride	mg/L	05/24/2007	N001	30.36 - 40.36	1460			#	13.2	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chlorodibromomethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloroethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloroform	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloromethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dibromomethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dissolved Oxygen	mg/L	05/24/2007	N002	30.36	-	40.36	3.17			0		
Ethylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Hexachlorobutadiene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Isopropylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Methylene chloride	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
n-Butylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
n-Propylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Naphthalene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Oxidation Reduction Potential	mV	05/24/2007	N002	30.36	-	40.36	109.7			0		
p-Isopropyltoluene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	05/24/2007	N002	30.36	-	40.36	6.91			0		
Radium-226	pCi/L	05/24/2007	N001	30.36	-	40.36	3.7			#	.475	.976
Radium-228	pCi/L	05/24/2007	N001	30.36	-	40.36	8.84			#	.735	2.45
sec-Butylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Sodium	mg/L	05/24/2007	N001	30.36	-	40.36	893			#	.45	
Specific Conductance	umhos /cm	05/24/2007	N002	30.36	-	40.36	8212			0		
Styrene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Temperature	C	05/24/2007	N002	30.36	-	40.36	15.67			0		
tert-Butylbenzene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Tetrachloroethene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Toluene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Total Xylenes	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Trichloroethene	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Trichlorofluoromethane	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	
Turbidity	NTU	05/24/2007	N002	30.36	-	40.36	2.65			0		
Vinyl chloride	ug/L	05/24/2007	N001	30.36	-	40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	20	-	25	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	20	-	25	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	20	-	25	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	20	-	25	100	U		#	100	
Barium	mg/L	05/23/2007	N001	20	-	25	0.092	J		#	.001	
Benzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Chloride	mg/L	05/23/2007	N001	20	-	25	232			#	1.32	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Chlorodibromomethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Chloroethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	20	-	25	2			0		
Ethylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	20	-	25	93.4			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	05/23/2007	N002	20	-	25	6.92			0		
Radium-226	pCi/L	05/23/2007	N001	20	-	25	0.673		J	#	.491	.391
Radium-228	pCi/L	05/23/2007	N001	20	-	25	0.516	U		#	.763	.486
sec-Butylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	.5	
Sodium	mg/L	05/23/2007	N001	20	-	25	137			#	.045	
Specific Conductance	umhos /cm	05/23/2007	N002	20	-	25	1521			0		
Styrene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Temperature	C	05/23/2007	N002	20	-	25	15.84			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	20	-	25	4.76			0		
Vinyl chloride	ug/L	05/23/2007	N001	20	-	25	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.
L	Less than 3 bore volumes purged prior to sampling.
U	Parameter analyzed for but was not detected.
G	Possible grout contamination, pH > 9.
Q	Qualitative result due to sampling technique.
X	Location is undefined.
J	Estimated value.
R	Unusable result.

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0319 WELL Mound Operable Unit 1

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	08/24/2007	N001	42.8	-	52.8	118			#	3.3	
Chromium	mg/L	08/24/2007	N001	42.8	-	52.8	0.0326			#	.001	
Chromium	mg/L	08/24/2007	N003	42.8	-	52.8	0.0103			#	.001	
Dissolved Oxygen	mg/L	08/24/2007	N002	42.8	-	52.8	0.07			0		
Dissolved Oxygen	mg/L	08/24/2007	N004	42.8	-	52.8	0.14			0		
Nickel	mg/L	08/24/2007	N001	42.8	-	52.8	0.297			#	.001	
Nickel	mg/L	08/24/2007	N003	42.8	-	52.8	0.0427			#	.001	
Oxidation Reduction Potential	mV	08/24/2007	N002	42.8	-	52.8	-53.2			0		
Oxidation Reduction Potential	mV	08/24/2007	N004	42.8	-	52.8	-38.5			0		
pH	s.u.	08/24/2007	N002	42.8	-	52.8	7.05			0		
pH	s.u.	08/24/2007	N004	42.8	-	52.8	7.07			0		
Sodium	mg/L	08/24/2007	N001	42.8	-	52.8	84.7			#	.045	
Specific Conductance	umhos /cm	08/24/2007	N002	42.8	-	52.8	1058			0		
Specific Conductance	umhos /cm	08/24/2007	N004	42.8	-	52.8	1101			0		
Temperature	C	08/24/2007	N002	42.8	-	52.8	15.49			0		
Temperature	C	08/24/2007	N004	42.8	-	52.8	14.48			0		
Turbidity	NTU	08/24/2007	N002	42.8	-	52.8	9.34			0		
Turbidity	NTU	08/24/2007	N004	42.8	-	52.8	6.67			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloropropene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromoethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloropropane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3,5-Trimethylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,3-Dichloropropane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
2,2-Dichloropropane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
2-Butanone	ug/L	08/24/2007	N001	13	-	18	100	U		#	100	
2-Chlorotoluene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
2-Hexanone	ug/L	08/24/2007	N001	13	-	18	50	U		#	50	
4-Chlorotoluene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/24/2007	N001	13	-	18	50	U		#	50	
Acetone	ug/L	08/24/2007	N001	13	-	18	100	U		#	100	
Benzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Bromobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Bromochloromethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Bromodichloromethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Bromoform	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Bromomethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Carbon Disulfide	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Carbon tetrachloride	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Chlorobenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Chlorodibromomethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Chloroethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Chloroform	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Chloromethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Dibromomethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Dissolved Oxygen	mg/L	08/24/2007	N002	13	-	18	1.92			0		
Ethylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Hexachlorobutadiene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Isopropylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Methylene chloride	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
n-Butylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
n-Propylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Naphthalene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Oxidation Reduction Potential	mV	08/24/2007	N002	13	-	18	-15.4			0		
p-Isopropyltoluene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
pH	s.u.	08/24/2007	N002	13	-	18	6.86			0		
sec-Butylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Specific Conductance	umhos /cm	08/24/2007	N002	13	-	18	1403			0		
Styrene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Temperature	C	08/24/2007	N002	13	-	18	21.38			0		
tert-Butylbenzene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Tetrachloroethene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Toluene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Total Xylenes	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Trichloroethene	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	
Trichlorofluoromethane	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	08/24/2007	N002	13	-	18	9.89			0		
Vinyl chloride	ug/L	08/24/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,1,2-Tetrachloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,3-Trichloropropane	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,3-Dichloropropane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
2-Butanone	ug/L	08/23/2007	N001	22.5	-	32.5	100	U		#	100	
2-Butanone	ug/L	08/23/2007	N005	22.5	-	32.5	100	U		#	100	
2-Chlorotoluene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
2-Chlorotoluene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
2-Hexanone	ug/L	08/23/2007	N001	22.5	-	32.5	50	U		#	50	
2-Hexanone	ug/L	08/23/2007	N005	22.5	-	32.5	50	U		#	50	
4-Chlorotoluene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
4-Chlorotoluene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/23/2007	N001	22.5	-	32.5	50	U		#	50	
4-Methyl-2-Pentanone	ug/L	08/23/2007	N005	22.5	-	32.5	50	U		#	50	
Acetone	ug/L	08/23/2007	N001	22.5	-	32.5	100	U		#	100	
Acetone	ug/L	08/23/2007	N005	22.5	-	32.5	100	U		#	100	
Barium	mg/L	08/23/2007	N001	22.5	-	32.5	0.0868	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Barium	mg/L	08/23/2007	N005	22.5	-	32.5	0.0837	J		#	.001	
Benzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Benzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chloride	mg/L	08/23/2007	N001	22.5	-	32.5	70.8			#	1.65	
Chloride	mg/L	08/23/2007	N005	22.5	-	32.5	71.1			#	.66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorobenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Chromium	mg/L	08/23/2007	N001	22.5	-	32.5	0.2		J	#	.001	
Chromium	mg/L	08/23/2007	N003	22.5	-	32.5	0.015			#	.001	
Chromium	mg/L	08/23/2007	N005	22.5	-	32.5	0.0388			#	.001	
cis-1,2-Dichloroethene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Dichlorodifluoromethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Dissolved Oxygen	mg/L	08/23/2007	N002	22.5	-	32.5	2.3			0		
Dissolved Oxygen	mg/L	08/23/2007	N004	22.5	-	32.5	2.4			0		
Ethylbenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Ethylbenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Nickel	mg/L	08/23/2007	N001	22.5	-	32.5	0.0467		J	#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Nickel	mg/L	08/23/2007	N003	22.5 - 32.5	0.0199	J		#	.001	
Nickel	mg/L	08/23/2007	N005	22.5 - 32.5	0.0269	J		#	.001	
Oxidation Reduction Potential	mV	08/23/2007	N002	22.5 - 32.5	10.4			0		
Oxidation Reduction Potential	mV	08/23/2007	N004	22.5 - 32.5	12.1			0		
p-Isopropyltoluene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
p-Isopropyltoluene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
pH	s.u.	08/23/2007	N002	22.5 - 32.5	6.79			0		
pH	s.u.	08/23/2007	N004	22.5 - 32.5	6.91			0		
Radium-226	pCi/L	08/23/2007	N001	22.5 - 32.5	0.686		J	#	.494	.401
Radium-226	pCi/L	08/23/2007	N005	22.5 - 32.5	0.647		J	#	.498	.386
Radium-228	pCi/L	08/23/2007	N001	22.5 - 32.5	0.544		J	#	.458	.337
Radium-228	pCi/L	08/23/2007	N005	22.5 - 32.5	0.585	U		#	.703	.465
sec-Butylbenzene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	
sec-Butylbenzene	ug/L	08/23/2007	N005	22.5 - 32.5	5	U		#	5	
Sodium	mg/L	08/23/2007	N001	22.5 - 32.5	49.5			#	.045	
Sodium	mg/L	08/23/2007	N005	22.5 - 32.5	49.2			#	.045	
Specific Conductance	umhos /cm	08/23/2007	N002	22.5 - 32.5	974			0		
Specific Conductance	umhos /cm	08/23/2007	N004	22.5 - 32.5	976			0		
Styrene	ug/L	08/23/2007	N001	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Styrene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Temperature	C	08/23/2007	N002	22.5	-	32.5	15.82			0		
Temperature	C	08/23/2007	N004	22.5	-	32.5	15.85			0		
tert-Butylbenzene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
tert-Butylbenzene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	08/23/2007	N002	22.5	-	32.5	9.8			0		
Turbidity	NTU	08/23/2007	N004	22.5	-	32.5	4.3			0		
Vinyl chloride	ug/L	08/23/2007	N001	22.5	-	32.5	5	U		#	5	
Vinyl chloride	ug/L	08/23/2007	N005	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1-Dichloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1-Dichloroethene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,1-Dichloropropene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2-Dibromoethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2-Dichloroethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,2-Dichloropropane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
2,2-Dichloropropane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
2-Butanone	ug/L	08/23/2007	N001	20.74 - 30.74	100	U		#	100	
2-Chlorotoluene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
2-Hexanone	ug/L	08/23/2007	N001	20.74 - 30.74	50	U		#	50	
4-Chlorotoluene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/23/2007	N001	20.74 - 30.74	50	U		#	50	
Acetone	ug/L	08/23/2007	N001	20.74 - 30.74	100	U		#	100	
Barium	mg/L	08/23/2007	N001	20.74 - 30.74	0.0698	J		#	.001	
Benzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Bromobenzene	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Bromochloromethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Bromodichloromethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Bromoform	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Bromomethane	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Carbon Disulfide	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Carbon tetrachloride	ug/L	08/23/2007	N001	20.74 - 30.74	5	U		#	5	
Chloride	mg/L	08/23/2007	N001	20.74 - 30.74	85.5			#	1.65	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chlorodibromomethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroform	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Chloromethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dibromomethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Dissolved Oxygen	mg/L	08/23/2007	N002	20.74	-	30.74	2.33			0		
Ethylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Hexachlorobutadiene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Isopropylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Methylene chloride	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
n-Butylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
n-Propylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Naphthalene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Oxidation Reduction Potential	mV	08/23/2007	N002	20.74	-	30.74	148.5			0		
p-Isopropyltoluene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	08/23/2007	N002	20.74	-	30.74	6.79			0		
Radium-226	pCi/L	08/23/2007	N001	20.74	-	30.74	0.349		J	#	.222	.222
Radium-228	pCi/L	08/23/2007	N001	20.74	-	30.74	0.39		J	#	.373	.264
sec-Butylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Sodium	mg/L	08/23/2007	N001	20.74	-	30.74	63			#	.045	
Specific Conductance	umhos /cm	08/23/2007	N002	20.74	-	30.74	1055			0		
Styrene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Temperature	C	08/23/2007	N002	20.74	-	30.74	14.35			0		
tert-Butylbenzene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Tetrachloroethene	ug/L	08/23/2007	N001	20.74	-	30.74	0.358	J		#	5	
Toluene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Total Xylenes	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Trichloroethene	ug/L	08/23/2007	N001	20.74	-	30.74	0.864	J		#	5	
Trichlorofluoromethane	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	
Turbidity	NTU	08/23/2007	N002	20.74	-	30.74	8.7			0		
Vinyl chloride	ug/L	08/23/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloropropene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dibromoethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichloropropane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
2,2-Dichloropropane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
2-Butanone	ug/L	08/22/2007	N001	27.94 - 37.94	100	U		#	100	
2-Chlorotoluene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
2-Hexanone	ug/L	08/22/2007	N001	27.94 - 37.94	50	U		#	50	
4-Chlorotoluene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/22/2007	N001	27.94 - 37.94	50	U		#	50	
Acetone	ug/L	08/22/2007	N001	27.94 - 37.94	100	U		#	100	
Benzene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Bromobenzene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Bromochloromethane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Bromodichloromethane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Bromoform	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Bromomethane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Carbon Disulfide	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Carbon tetrachloride	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Chlorobenzene	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	
Chlorodibromomethane	ug/L	08/22/2007	N001	27.94 - 37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Chloroform	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Chloromethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/22/2007	N001	27.94	-	37.94	2.73	J		#	5	
cis-1,3-Dichloropropene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Dibromomethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Dissolved Oxygen	mg/L	08/22/2007	N002	27.94	-	37.94	0.51			0		
Ethylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Hexachlorobutadiene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Isopropylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Methylene chloride	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
n-Butylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
n-Propylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Naphthalene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Oxidation Reduction Potential	mV	08/22/2007	N002	27.94	-	37.94	-35.2			0		
p-Isopropyltoluene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
pH	s.u.	08/22/2007	N002	27.94	-	37.94	6.72			0		
sec-Butylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	08/22/2007	N002	27.94	-	37.94	1618			0		
Styrene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Temperature	C	08/22/2007	N002	27.94	-	37.94	21.32			0		
tert-Butylbenzene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Tetrachloroethene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Toluene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Total Xylenes	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Trichloroethene	ug/L	08/22/2007	N001	27.94	-	37.94	15.2			#	5	
Trichlorofluoromethane	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	
Turbidity	NTU	08/22/2007	N002	27.94	-	37.94	178			0		
Vinyl chloride	ug/L	08/22/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0442 WELL Additional Monitoring Around Well 0411, Well 0442 Station 0442, Additional Well 0411 Well 0442

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	08/23/2007	N001	23.28	-	33.28	355			#	3.3	
Chromium	mg/L	08/23/2007	N001	23.28	-	33.28	0.001	U		#	.001	
Dissolved Oxygen	mg/L	08/23/2007	N002	23.28	-	33.28	5.3			0		
Nickel	mg/L	08/23/2007	N001	23.28	-	33.28	0.00167	J		#	.001	
Oxidation Reduction Potential	mV	08/23/2007	N002	23.28	-	33.28	110.6			0		
pH	s.u.	08/23/2007	N002	23.28	-	33.28	6.9			0		
Sodium	mg/L	08/23/2007	N001	23.28	-	33.28	324			#	.45	
Specific Conductance	umhos /cm	08/23/2007	N002	23.28	-	33.28	2495			0		
Temperature	C	08/23/2007	N002	23.28	-	33.28	18.26			0		
Turbidity	NTU	08/23/2007	N002	23.28	-	33.28	3.28			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloroethene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloropropene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dibromoethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichloropropane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
2,2-Dichloropropane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
2-Butanone	ug/L	08/22/2007	N001	27.69 - 37.69	100	U		#	100	
2-Chlorotoluene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
2-Hexanone	ug/L	08/22/2007	N001	27.69 - 37.69	50	U		#	50	
4-Chlorotoluene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/22/2007	N001	27.69 - 37.69	50	U		#	50	
Acetone	ug/L	08/22/2007	N001	27.69 - 37.69	100	U		#	100	
Benzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Bromobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Bromochloromethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Bromodichloromethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Bromoform	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Bromomethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Carbon Disulfide	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Carbon tetrachloride	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Chloride	mg/L	08/22/2007	N001	27.69 - 37.69	217			#	3.3	
Chlorobenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Chloroethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Chloroform	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Chloromethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Chromium	mg/L	08/22/2007	N001	27.69 - 37.69	0.0491			#	.001	
cis-1,2-Dichloroethene	ug/L	08/22/2007	N001	27.69 - 37.69	0.708	J		#	5	
cis-1,3-Dichloropropene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Dibromomethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Dissolved Oxygen	mg/L	08/22/2007	N002	27.69 - 37.69	8.54			0		
Ethylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Hexachlorobutadiene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Isopropylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Methylene chloride	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
n-Butylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
n-Propylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Naphthalene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Nickel	mg/L	08/22/2007	N001	27.69 - 37.69	0.0243	J		#	.001	
Oxidation Reduction Potential	mV	08/22/2007	N002	27.69 - 37.69	57.1			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
p-Isopropyltoluene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
pH	s.u.	08/22/2007	N002	27.69 - 37.69	6.91			0		
sec-Butylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Sodium	mg/L	08/22/2007	N001	27.69 - 37.69	98.6			#	.225	
Specific Conductance	umhos /cm	08/22/2007	N002	27.69 - 37.69	1569			0		
Styrene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Temperature	C	08/22/2007	N002	27.69 - 37.69	17.86			0		
tert-Butylbenzene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Tetrachloroethene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Toluene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Total Xylenes	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Trichloroethene	ug/L	08/22/2007	N001	27.69 - 37.69	11.7			#	5	
Trichlorofluoromethane	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	
Turbidity	NTU	08/22/2007	N002	27.69 - 37.69	9.19			0		
Vinyl chloride	ug/L	08/22/2007	N001	27.69 - 37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloropropene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dibromoethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichloropropane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
2,2-Dichloropropane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
2-Butanone	ug/L	08/24/2007	N001	20.51	-	30.51	100	U		#	100	
2-Chlorotoluene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
2-Hexanone	ug/L	08/24/2007	N001	20.51	-	30.51	50	U		#	50	
4-Chlorotoluene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/24/2007	N001	20.51	-	30.51	50	U		#	50	
Acetone	ug/L	08/24/2007	N001	20.51	-	30.51	100	U		#	100	
Benzene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Bromobenzene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Bromochloromethane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Bromodichloromethane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Bromoform	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Bromomethane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon Disulfide	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon tetrachloride	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Chlorobenzene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Chlorodibromomethane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Chloroform	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Chloromethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Dibromomethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Dissolved Oxygen	mg/L	08/24/2007	N002	20.51 - 30.51	14.5			0		
Ethylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Hexachlorobutadiene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Isopropylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Methylene chloride	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
n-Butylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
n-Propylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Naphthalene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
Oxidation Reduction Potential	mV	08/24/2007	N002	20.51 - 30.51	30			0		
p-Isopropyltoluene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	
pH	s.u.	08/24/2007	N002	20.51 - 30.51	6.95			0		
sec-Butylbenzene	ug/L	08/24/2007	N001	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	08/24/2007	N002	20.51	-	30.51	914			0		
Styrene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Temperature	C	08/24/2007	N002	20.51	-	30.51	18.28			0		
tert-Butylbenzene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Tetrachloroethene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Toluene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Total Xylenes	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Trichloroethene	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Trichlorofluoromethane	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	
Turbidity	NTU	08/24/2007	N002	20.51	-	30.51	2.51			0		
Vinyl chloride	ug/L	08/24/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloropropene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dibromoethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichloroethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichloropropane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
2,2-Dichloropropane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
2-Butanone	ug/L	08/24/2007	N001	30.36	-	40.36	100	U		#	100	
2-Chlorotoluene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
2-Hexanone	ug/L	08/24/2007	N001	30.36	-	40.36	50	U		#	50	
4-Chlorotoluene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/24/2007	N001	30.36	-	40.36	50	U		#	50	
Acetone	ug/L	08/24/2007	N001	30.36	-	40.36	100	U		#	100	
Barium	mg/L	08/24/2007	N001	30.36	-	40.36	4.57			#	.001	
Benzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Bromobenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Bromochloromethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Bromodichloromethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Bromoform	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Bromomethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Carbon Disulfide	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Carbon tetrachloride	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloride	mg/L	08/24/2007	N001	30.36	-	40.36	9320			#	66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chlorodibromomethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloroethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloroform	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Chloromethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dibromomethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Dissolved Oxygen	mg/L	08/24/2007	N002	30.36	-	40.36	4.24			0		
Ethylbenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Hexachlorobutadiene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Isopropylbenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Methylene chloride	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
n-Butylbenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
n-Propylbenzene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Naphthalene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	
Oxidation Reduction Potential	mV	08/24/2007	N002	30.36	-	40.36	23.8			0		
p-Isopropyltoluene	ug/L	08/24/2007	N001	30.36	-	40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	08/24/2007	N002	30.36 - 40.36	6.77			0		
Radium-226	pCi/L	08/24/2007	N001	30.36 - 40.36	46.1			#	.459	8.86
Radium-228	pCi/L	08/24/2007	N001	30.36 - 40.36	29.1			#	.682	7.6
sec-Butylbenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Sodium	mg/L	08/24/2007	N001	30.36 - 40.36	3590			#	2.25	
Specific Conductance	umhos /cm	08/24/2007	N002	30.36 - 40.36	27804			0		
Styrene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Temperature	C	08/24/2007	N002	30.36 - 40.36	15.61			0		
tert-Butylbenzene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Tetrachloroethene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Toluene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Total Xylenes	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Trichloroethene	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Trichlorofluoromethane	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	
Turbidity	NTU	08/24/2007	N002	30.36 - 40.36	4.71			0		
Vinyl chloride	ug/L	08/24/2007	N001	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloropropene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromoethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloropropane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,3-Dichlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
2,2-Dichloropropane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
2-Butanone	ug/L	08/23/2007	N001	20	-	25	100	U		#	100	
2-Chlorotoluene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
2-Hexanone	ug/L	08/23/2007	N001	20	-	25	50	U		#	50	
4-Chlorotoluene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/23/2007	N001	20	-	25	50	U		#	50	
Acetone	ug/L	08/23/2007	N001	20	-	25	100	U		#	100	
Barium	mg/L	08/23/2007	N001	20	-	25	0.0777	J		#	.001	
Benzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Bromobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Bromochloromethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Bromodichloromethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Bromoform	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Bromomethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Carbon Disulfide	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Carbon tetrachloride	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Chloride	mg/L	08/23/2007	N001	20	-	25	92.4			#	1.65	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Chlorodibromomethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Chloroethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Chloroform	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Chloromethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Dibromomethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Dissolved Oxygen	mg/L	08/23/2007	N002	20	-	25	1.81			0		
Ethylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Hexachlorobutadiene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Isopropylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Methylene chloride	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
n-Butylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
n-Propylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Naphthalene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Oxidation Reduction Potential	mV	08/23/2007	N002	20	-	25	72.4			0		
p-Isopropyltoluene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	08/23/2007	N002	20	-	25	6.84			0		
Radium-226	pCi/L	08/23/2007	N001	20	-	25	1.02		J	#	.458	.454
Radium-228	pCi/L	08/23/2007	N001	20	-	25	0.585	U		#	.595	.409
sec-Butylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Sodium	mg/L	08/23/2007	N001	20	-	25	68.1			#	.045	
Specific Conductance	umhos /cm	08/23/2007	N002	20	-	25	1094			0		
Styrene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Temperature	C	08/23/2007	N002	20	-	25	14.73			0		
tert-Butylbenzene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Tetrachloroethene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Toluene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Total Xylenes	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Trichloroethene	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Trichlorofluoromethane	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	
Turbidity	NTU	08/23/2007	N002	20	-	25	6.19			0		
Vinyl chloride	ug/L	08/23/2007	N001	20	-	25	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0319 WELL Mound Operable Unit 1

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	11/14/2007	N001	42.8	-	52.8	127			#	6.6	
Chromium	mg/L	11/14/2007	N001	42.8	-	52.8	0.0247			#	.001	
Chromium	mg/L	11/14/2007	N002	42.8	-	52.8	0.001	U		#	.001	
Dissolved Oxygen	mg/L	11/14/2007	N001	42.8	-	52.8	0.19			0		
Dissolved Oxygen	mg/L	11/14/2007	N002	42.8	-	52.8	0.14			0		
Nickel	mg/L	11/14/2007	N001	42.8	-	52.8	0.178			#	.001	
Nickel	mg/L	11/14/2007	N002	42.8	-	52.8	0.04	J		#	.001	
Oxidation Reduction Potential	mV	11/14/2007	N001	42.8	-	52.8	-22.3			0		
Oxidation Reduction Potential	mV	11/14/2007	N002	42.8	-	52.8	-4.4			0		
pH	s.u.	11/14/2007	N001	42.8	-	52.8	6.76			0		
pH	s.u.	11/14/2007	N002	42.8	-	52.8	6.66			0		
Sodium	mg/L	11/14/2007	N001	42.8	-	52.8	81.7			#	.045	
Specific Conductance	umhos /cm	11/14/2007	N001	42.8	-	52.8	1042			0		
Specific Conductance	umhos /cm	11/14/2007	N002	42.8	-	52.8	1080			0		
Temperature	C	11/14/2007	N001	42.8	-	52.8	15.4			0		
Temperature	C	11/14/2007	N002	42.8	-	52.8	14.88			0		
Turbidity	NTU	11/14/2007	N001	42.8	-	52.8	8.05			0		
Turbidity	NTU	11/14/2007	N002	42.8	-	52.8	6.15			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloroethene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,1-Dichloropropene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2-Dibromoethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,2-Dichloropropane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
2,2-Dichloropropane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
2-Butanone	ug/L	11/15/2007	N001	13	-	18	3.36	J		#	100	
2-Chlorotoluene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
2-Hexanone	ug/L	11/15/2007	N001	13	-	18	50	U		#	50	
4-Chlorotoluene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/15/2007	N001	13	-	18	50	U		#	50	
Acetone	ug/L	11/15/2007	N001	13	-	18	30.4	J		#	100	
Benzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Bromobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Bromochloromethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Bromodichloromethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Bromoform	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Bromomethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Carbon Disulfide	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Carbon tetrachloride	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Chlorobenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Chlorodibromomethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Chloroform	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Chloromethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Dibromomethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Dissolved Oxygen	mg/L	11/15/2007	N001	13	-	18	1.83			0		
Ethylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Hexachlorobutadiene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Isopropylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Methylene chloride	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
n-Butylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
n-Propylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Naphthalene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Oxidation Reduction Potential	mV	11/15/2007	N001	13	-	18	-112.5			0		
p-Isopropyltoluene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
pH	s.u.	11/15/2007	N001	13	-	18	6.64			0		
sec-Butylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0353 WELL Mound Operable Unit 9

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	11/15/2007	N001	13	-	18	2057			0		
Styrene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Temperature	C	11/15/2007	N001	13	-	18	13.72			0		
tert-Butylbenzene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Tetrachloroethene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Toluene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Total Xylenes	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Trichloroethene	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Trichlorofluoromethane	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	
Turbidity	NTU	11/15/2007	N001	13	-	18	27.2			0		
Vinyl chloride	ug/L	11/15/2007	N001	13	-	18	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,1,2-Tetrachloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloroethene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,1-Dichloropropene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,2,3-Trichloropropane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dibromoethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,2-Dichloropropane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,3-Dichloropropane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
2,2-Dichloropropane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
2-Butanone	ug/L	11/15/2007	N001	22.5	-	32.5	100	U		#	100	
2-Butanone	ug/L	11/15/2007	N002	22.5	-	32.5	100	U		#	100	
2-Chlorotoluene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
2-Chlorotoluene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
2-Hexanone	ug/L	11/15/2007	N001	22.5	-	32.5	50	U		#	50	
2-Hexanone	ug/L	11/15/2007	N002	22.5	-	32.5	50	U		#	50	
4-Chlorotoluene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
4-Chlorotoluene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/15/2007	N001	22.5	-	32.5	50	U		#	50	
4-Methyl-2-Pentanone	ug/L	11/15/2007	N002	22.5	-	32.5	50	U		#	50	
Acetone	ug/L	11/15/2007	N001	22.5	-	32.5	100	U		#	100	
Acetone	ug/L	11/15/2007	N002	22.5	-	32.5	100	U		#	100	
Barium	mg/L	11/15/2007	N001	22.5	-	32.5	0.0909	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Barium	mg/L	11/15/2007	N002	22.5	-	32.5	0.0901	J		#	.001	
Benzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Benzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Bromobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Bromochloromethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Bromodichloromethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Bromoform	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Bromomethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon Disulfide	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Carbon tetrachloride	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chloride	mg/L	11/15/2007	N001	22.5	-	32.5	92.3			#	6.6	
Chloride	mg/L	11/15/2007	N002	22.5	-	32.5	90.8			#	6.6	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorobenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Chlorodibromomethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Chloroform	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Chloromethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Chromium	mg/L	11/15/2007	N001	22.5	-	32.5	0.0555			#	.001	
Chromium	mg/L	11/15/2007	N002	22.5	-	32.5	0.0601			#	.001	
Chromium	mg/L	11/15/2007	N003	22.5	-	32.5	0.0235			#	.001	
cis-1,2-Dichloroethene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Dibromomethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Dichlorodifluoromethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Dissolved Oxygen	mg/L	11/15/2007	N001	22.5	-	32.5	1.94			0		
Dissolved Oxygen	mg/L	11/15/2007	N003	22.5	-	32.5	2.14			0		
Ethylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Ethylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Hexachlorobutadiene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Isopropylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Methylene chloride	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
n-Butylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
n-Propylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Naphthalene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Nickel	mg/L	11/15/2007	N001	22.5	-	32.5	0.0349	J		#	.001	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Nickel	mg/L	11/15/2007	N002	22.5 - 32.5	0.0391	J		#	.001	
Nickel	mg/L	11/15/2007	N003	22.5 - 32.5	0.0128	J		#	.001	
Oxidation Reduction Potential	mV	11/15/2007	N001	22.5 - 32.5	54.4			0		
Oxidation Reduction Potential	mV	11/15/2007	N003	22.5 - 32.5	62.7			0		
p-Isopropyltoluene	ug/L	11/15/2007	N001	22.5 - 32.5	5	U		#	5	
p-Isopropyltoluene	ug/L	11/15/2007	N002	22.5 - 32.5	5	U		#	5	
pH	s.u.	11/15/2007	N001	22.5 - 32.5	6.83			0		
pH	s.u.	11/15/2007	N003	22.5 - 32.5	6.82			0		
Radium-226	pCi/L	11/15/2007	N001	22.5 - 32.5	0.81		J	#	.504	.424
Radium-226	pCi/L	11/15/2007	N002	22.5 - 32.5	0.281	U		#	.454	.286
Radium-228	pCi/L	11/15/2007	N001	22.5 - 32.5	0.246	U		#	.458	.281
Radium-228	pCi/L	11/15/2007	N002	22.5 - 32.5	0.029	U		#	.499	.265
sec-Butylbenzene	ug/L	11/15/2007	N001	22.5 - 32.5	5	U		#	5	
sec-Butylbenzene	ug/L	11/15/2007	N002	22.5 - 32.5	5	U		#	5	
Sodium	mg/L	11/15/2007	N001	22.5 - 32.5	58.3			#	.045	
Sodium	mg/L	11/15/2007	N002	22.5 - 32.5	58.6			#	.045	
Specific Conductance	umhos /cm	11/15/2007	N001	22.5 - 32.5	1054			0		
Specific Conductance	umhos /cm	11/15/2007	N003	22.5 - 32.5	1056			0		
Styrene	ug/L	11/15/2007	N001	22.5 - 32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Styrene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Temperature	C	11/15/2007	N001	22.5	-	32.5	13.98			0		
Temperature	C	11/15/2007	N003	22.5	-	32.5	13.26			0		
tert-Butylbenzene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
tert-Butylbenzene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Tetrachloroethene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Toluene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Total Xylenes	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Trichloroethene	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Trichlorofluoromethane	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0400 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 400

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Turbidity	NTU	11/15/2007	N001	22.5	-	32.5	7.81			0		
Turbidity	NTU	11/15/2007	N003	22.5	-	32.5	2.68			0		
Vinyl chloride	ug/L	11/15/2007	N001	22.5	-	32.5	5	U		#	5	
Vinyl chloride	ug/L	11/15/2007	N002	22.5	-	32.5	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloroethene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,1-Dichloropropene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dibromoethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,2-Dichloropropane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
2,2-Dichloropropane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
2-Butanone	ug/L	11/14/2007	N001	20.74	-	30.74	100	U		#	100	
2-Chlorotoluene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
2-Hexanone	ug/L	11/14/2007	N001	20.74	-	30.74	50	U		#	50	
4-Chlorotoluene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/14/2007	N001	20.74	-	30.74	50	U		#	50	
Acetone	ug/L	11/14/2007	N001	20.74	-	30.74	100	U		#	100	
Barium	mg/L	11/14/2007	N001	20.74	-	30.74	0.0651	J		#	.001	
Benzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Bromobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Bromochloromethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Bromodichloromethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Bromoform	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Bromomethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Carbon Disulfide	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Carbon tetrachloride	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Chloride	mg/L	11/14/2007	N001	20.74	-	30.74	95.7			#	6.6	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Chlorodibromomethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Chloroform	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Chloromethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Dibromomethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Dissolved Oxygen	mg/L	11/14/2007	N001	20.74	-	30.74	1.79			0		
Ethylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Hexachlorobutadiene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Isopropylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Methylene chloride	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
n-Butylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
n-Propylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Naphthalene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Oxidation Reduction Potential	mV	11/14/2007	N001	20.74	-	30.74	163.5			0		
p-Isopropyltoluene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0402 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 402

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	11/14/2007	N001	20.74	-	30.74	6.63			0		
Radium-226	pCi/L	11/14/2007	N001	20.74	-	30.74	0.463		J	#	.388	.301
Radium-228	pCi/L	11/14/2007	N001	20.74	-	30.74	0.849		J	#	.817	.566
sec-Butylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Sodium	mg/L	11/14/2007	N001	20.74	-	30.74	64.9			#	.045	
Specific Conductance	umhos /cm	11/14/2007	N001	20.74	-	30.74	1069			0		
Styrene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Temperature	C	11/14/2007	N001	20.74	-	30.74	14.65			0		
tert-Butylbenzene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Tetrachloroethene	ug/L	11/14/2007	N001	20.74	-	30.74	0.578	J		#	5	
Toluene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Total Xylenes	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Trichloroethene	ug/L	11/14/2007	N001	20.74	-	30.74	1.08	J		#	5	
Trichlorofluoromethane	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	
Turbidity	NTU	11/14/2007	N001	20.74	-	30.74	8.63			0		
Vinyl chloride	ug/L	11/14/2007	N001	20.74	-	30.74	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloroethene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,1-Dichloropropene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dibromoethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,2-Dichloropropane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
2,2-Dichloropropane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
2-Butanone	ug/L	11/13/2007	N001	27.94 - 37.94	100	U		#	100	
2-Chlorotoluene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
2-Hexanone	ug/L	11/13/2007	N001	27.94 - 37.94	50	U		#	50	
4-Chlorotoluene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/13/2007	N001	27.94 - 37.94	50	U		#	50	
Acetone	ug/L	11/13/2007	N001	27.94 - 37.94	100	U		#	100	
Benzene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Bromobenzene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Bromochloromethane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Bromodichloromethane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Bromoform	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Bromomethane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Carbon Disulfide	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Carbon tetrachloride	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Chlorobenzene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Chlorodibromomethane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloroethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Chloroform	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Chloromethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/13/2007	N001	27.94	-	37.94	2.74	J		#	5	
cis-1,3-Dichloropropene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Dibromomethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Dissolved Oxygen	mg/L	11/13/2007	N001	27.94	-	37.94	0.63			0		
Ethylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Hexachlorobutadiene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Isopropylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Methylene chloride	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
n-Butylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
n-Propylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Naphthalene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
Oxidation Reduction Potential	mV	11/13/2007	N001	27.94	-	37.94	55.7			0		
p-Isopropyltoluene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	
pH	s.u.	11/13/2007	N001	27.94	-	37.94	6.69			0		
sec-Butylbenzene	ug/L	11/13/2007	N001	27.94	-	37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0411 WELL MOUND NEW PROPERTY EXTENDED PHASE MOUND NEW PROPERTY BORING 411 (397)

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	11/13/2007	N001	27.94 - 37.94	1627			0		
Styrene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Temperature	C	11/13/2007	N001	27.94 - 37.94	15.8			0		
tert-Butylbenzene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Tetrachloroethene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Toluene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Total Xylenes	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Trichloroethene	ug/L	11/13/2007	N001	27.94 - 37.94	12.3			#	5	
Trichlorofluoromethane	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	
Turbidity	NTU	11/13/2007	N001	27.94 - 37.94	13.6			0		
Vinyl chloride	ug/L	11/13/2007	N001	27.94 - 37.94	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0442 WELL Additional Monitoring Around Well 0411, Well 0442 Station 0442, Additional Well 0411 Well 0442

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chloride	mg/L	11/14/2007	N001	23.28	-	33.28	357			#	6.6	
Chromium	mg/L	11/14/2007	N001	23.28	-	33.28	0.001	U		#	.001	
Dissolved Oxygen	mg/L	11/14/2007	N001	23.28	-	33.28	4.48			0		
Nickel	mg/L	11/14/2007	N001	23.28	-	33.28	0.001	U		#	.001	
Oxidation Reduction Potential	mV	11/14/2007	N001	23.28	-	33.28	133.8			0		
pH	s.u.	11/14/2007	N001	23.28	-	33.28	6.88			0		
Sodium	mg/L	11/14/2007	N001	23.28	-	33.28	321			#	.225	
Specific Conductance	umhos /cm	11/14/2007	N001	23.28	-	33.28	2488			0		
Temperature	C	11/14/2007	N001	23.28	-	33.28	17.22			0		
Turbidity	NTU	11/14/2007	N001	23.28	-	33.28	3.06			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloroethene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,1-Dichloropropene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dibromoethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,2-Dichloropropane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
2,2-Dichloropropane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
2-Butanone	ug/L	11/13/2007	N001	27.69	-	37.69	100	U		#	100	
2-Chlorotoluene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
2-Hexanone	ug/L	11/13/2007	N001	27.69	-	37.69	50	U		#	50	
4-Chlorotoluene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/13/2007	N001	27.69	-	37.69	50	U		#	50	
Acetone	ug/L	11/13/2007	N001	27.69	-	37.69	100	U		#	100	
Benzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Bromobenzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Bromochloromethane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Bromodichloromethane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Bromoform	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Bromomethane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Carbon Disulfide	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Carbon tetrachloride	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Chloride	mg/L	11/13/2007	N001	27.69	-	37.69	229			#	6.6	
Chlorobenzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Chloroethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Chloroform	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Chloromethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Chromium	mg/L	11/13/2007	N001	27.69 - 37.69	0.0299			#	.001	
cis-1,2-Dichloroethene	ug/L	11/13/2007	N001	27.69 - 37.69	0.872	J		#	5	
cis-1,3-Dichloropropene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Dibromomethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Dissolved Oxygen	mg/L	11/13/2007	N001	27.69 - 37.69	5.09			0		
Ethylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Hexachlorobutadiene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Isopropylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Methylene chloride	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
n-Butylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
n-Propylbenzene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Naphthalene	ug/L	11/13/2007	N001	27.69 - 37.69	5	U		#	5	
Nickel	mg/L	11/13/2007	N001	27.69 - 37.69	0.0194	J		#	.001	
Oxidation Reduction Potential	mV	11/13/2007	N001	27.69 - 37.69	117.8			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0443 WELL Additional Monitoring Around Well 0411, Well 0443 Station 0443, Additional Well 0411 Well 0443

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
p-Isopropyltoluene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
pH	s.u.	11/13/2007	N001	27.69	-	37.69	6.64			0		
sec-Butylbenzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Sodium	mg/L	11/13/2007	N001	27.69	-	37.69	102			#	.045	
Specific Conductance	umhos /cm	11/13/2007	N001	27.69	-	37.69	1595			0		
Styrene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Temperature	C	11/13/2007	N001	27.69	-	37.69	14.28			0		
tert-Butylbenzene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Tetrachloroethene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Toluene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Total Xylenes	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Trichloroethene	ug/L	11/13/2007	N001	27.69	-	37.69	12.1			#	5	
Trichlorofluoromethane	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	
Turbidity	NTU	11/13/2007	N001	27.69	-	37.69	15			0		
Vinyl chloride	ug/L	11/13/2007	N001	27.69	-	37.69	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloroethene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,1-Dichloropropene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dibromoethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichloroethane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,2-Dichloropropane	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/14/2007	N001	20.51 - 30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
1,3-Dichloropropane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
2,2-Dichloropropane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
2-Butanone	ug/L	11/14/2007	N001	20.51	-	30.51	100	U		#	100	
2-Chlorotoluene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
2-Hexanone	ug/L	11/14/2007	N001	20.51	-	30.51	50	U		#	50	
4-Chlorotoluene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/14/2007	N001	20.51	-	30.51	50	U		#	50	
Acetone	ug/L	11/14/2007	N001	20.51	-	30.51	100	U		#	100	
Benzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Bromobenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Bromochloromethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Bromodichloromethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Bromoform	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Bromomethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon Disulfide	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Carbon tetrachloride	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Chlorodibromomethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Chloroethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Chloroform	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Chloromethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Dibromomethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Dissolved Oxygen	mg/L	11/14/2007	N001	20.51	-	30.51	2.47			0		
Ethylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Hexachlorobutadiene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Isopropylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Methylene chloride	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
n-Butylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
n-Propylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Naphthalene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Oxidation Reduction Potential	mV	11/14/2007	N001	20.51	-	30.51	203.9			0		

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0444 WELL Additional Monitoring Around Well 0411, Well 0444 Station 0444, Additional Well 0411 Well 0444

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
p-Isopropyltoluene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
pH	s.u.	11/14/2007	N001	20.51	-	30.51	6.75			0		
sec-Butylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Specific Conductance	umhos /cm	11/14/2007	N001	20.51	-	30.51	1187			0		
Styrene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Temperature	C	11/14/2007	N001	20.51	-	30.51	14.41			0		
tert-Butylbenzene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Tetrachloroethene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Toluene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Total Xylenes	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Trichloroethene	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Trichlorofluoromethane	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	
Turbidity	NTU	11/14/2007	N001	20.51	-	30.51	38.4			0		
Vinyl chloride	ug/L	11/14/2007	N001	20.51	-	30.51	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloroethene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,1-Dichloropropene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dibromoethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,2-Dichloropropane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
2,2-Dichloropropane	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
2-Butanone	ug/L	11/15/2007	N001	30.36	-	40.36	100	U		#	100	
2-Chlorotoluene	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
2-Hexanone	ug/L	11/15/2007	N001	30.36	-	40.36	50	U		#	50	
4-Chlorotoluene	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/15/2007	N001	30.36	-	40.36	50	U		#	50	
Acetone	ug/L	11/15/2007	N001	30.36	-	40.36	100	U		#	100	
Barium	mg/L	11/15/2007	N001	30.36	-	40.36	7.56			#	.001	
Benzene	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Bromobenzene	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Bromochloromethane	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Bromodichloromethane	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Bromoform	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Bromomethane	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Carbon Disulfide	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Carbon tetrachloride	ug/L	11/15/2007	N001	30.36	-	40.36	5	U		#	5	
Chloride	mg/L	11/15/2007	N001	30.36	-	40.36	11900			#	66	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Chlorodibromomethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Chloroethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Chloroform	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Chloromethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Dibromomethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Dissolved Oxygen	mg/L	11/15/2007	N001	30.36 - 40.36	1.7			0		
Ethylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Hexachlorobutadiene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Isopropylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Methylene chloride	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
n-Butylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
n-Propylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Naphthalene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Oxidation Reduction Potential	mV	11/15/2007	N001	30.36 - 40.36	53.5			0		
p-Isopropyltoluene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: 0445 WELL Additional Monitoring Around Well 0411, Well 0445 Station 0445, Additional Well 0411 Well 0445

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	11/15/2007	N001	30.36 - 40.36	6.58			0		
Radium-226	pCi/L	11/15/2007	N001	30.36 - 40.36	56.7			#	.457	10.7
Radium-228	pCi/L	11/15/2007	N001	30.36 - 40.36	54.7			#	.509	14.1
sec-Butylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Sodium	mg/L	11/15/2007	N001	30.36 - 40.36	4900			#	2.25	
Specific Conductance	umhos /cm	11/15/2007	N001	30.36 - 40.36	28770			0		
Styrene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Temperature	C	11/15/2007	N001	30.36 - 40.36	11.55			0		
tert-Butylbenzene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Tetrachloroethene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Toluene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Total Xylenes	ug/L	11/15/2007	N001	30.36 - 40.36	0.598	J		#	5	
trans-1,2-Dichloroethene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Trichloroethene	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Trichlorofluoromethane	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	
Turbidity	NTU	11/15/2007	N001	30.36 - 40.36	13.3			0		
Vinyl chloride	ug/L	11/15/2007	N001	30.36 - 40.36	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloroethene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,1-Dichloropropene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2-Dibromoethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,2-Dichloropropane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,3-Dichlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichloropropane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
2,2-Dichloropropane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
2-Butanone	ug/L	11/14/2007	N001	20	-	25	100	U		#	100	
2-Chlorotoluene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
2-Hexanone	ug/L	11/14/2007	N001	20	-	25	50	U		#	50	
4-Chlorotoluene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/14/2007	N001	20	-	25	50	U		#	50	
Acetone	ug/L	11/14/2007	N001	20	-	25	100	U		#	100	
Barium	mg/L	11/14/2007	N001	20	-	25	0.0857	J		#	.001	
Benzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Bromobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Bromochloromethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Bromodichloromethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Bromoform	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Bromomethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Carbon Disulfide	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Carbon tetrachloride	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Chloride	mg/L	11/14/2007	N001	20	-	25	124			#	6.6	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorobenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Chlorodibromomethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Chloroethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Chloroform	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Chloromethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
cis-1,3-Dichloropropene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Dibromomethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Dissolved Oxygen	mg/L	11/14/2007	N001	20	-	25	2.12			0		
Ethylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Hexachlorobutadiene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Isopropylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Methylene chloride	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
n-Butylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
n-Propylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Naphthalene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Oxidation Reduction Potential	mV	11/14/2007	N001	20	-	25	96.4			0		
p-Isopropyltoluene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	

Ground Water Quality Data by Location (USEE100) FOR SITE MND01, Mound Site
REPORT DATE: 3/10/2008
Location: P033 WELL Mound Operable Unit 9 PIEZOMETER

Parameter	Units	Sample Date	Sample ID	Depth Range (Ft BLS)			Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
pH	s.u.	11/14/2007	N001	20	-	25	6.62			0		
Radium-226	pCi/L	11/14/2007	N001	20	-	25	0.395		J	#	.252	.252
Radium-228	pCi/L	11/14/2007	N001	20	-	25	0.698		J	#	.474	.384
sec-Butylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Sodium	mg/L	11/14/2007	N001	20	-	25	86.8			#	.045	
Specific Conductance	umhos /cm	11/14/2007	N001	20	-	25	1202			0		
Styrene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Temperature	C	11/14/2007	N001	20	-	25	15.5			0		
tert-Butylbenzene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Tetrachloroethene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Toluene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Total Xylenes	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Trichloroethene	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Trichlorofluoromethane	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	
Turbidity	NTU	11/14/2007	N001	20	-	25	3.27			0		
Vinyl chloride	ug/L	11/14/2007	N001	20	-	25	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1,1-Trichloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1,2-Trichloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1-Dichloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,1-Dichloroethene	ug/L	02/28/2007	N002	5	U		#	5	
1,1-Dichloropropene	ug/L	02/28/2007	N002	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	
1,2,3-Trichloropropane	ug/L	02/28/2007	N002	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	02/28/2007	N002	5	U		#	5	
1,2-Dibromoethane	ug/L	02/28/2007	N002	5	U		#	5	
1,2-Dichlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	
1,2-Dichloroethane	ug/L	02/28/2007	N002	5	U		#	5	
1,2-Dichloropropane	ug/L	02/28/2007	N002	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	02/28/2007	N002	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	
1,3-Dichloropropane	ug/L	02/28/2007	N002	5	U		#	5	
1,4-Dichlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	
2,2-Dichloropropane	ug/L	02/28/2007	N002	5	U		#	5	
2-Butanone	ug/L	02/28/2007	N002	100	U		#	100	
2-Chlorotoluene	ug/L	02/28/2007	N002	5	U		#	5	
2-Hexanone	ug/L	02/28/2007	N002	50	U		#	50	
4-Chlorotoluene	ug/L	02/28/2007	N002	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	02/28/2007	N002	50	U		#	50	
Acetone	ug/L	02/28/2007	N002	100	U		#	100	
Benzene	ug/L	02/28/2007	N002	5	U		#	5	
Bromobenzene	ug/L	02/28/2007	N002	5	U		#	5	
Bromochloromethane	ug/L	02/28/2007	N002	5	U		#	5	
Bromodichloromethane	ug/L	02/28/2007	N002	5	U		#	5	
Bromoform	ug/L	02/28/2007	N002	5	U		#	5	
Bromomethane	ug/L	02/28/2007	N002	5	U		#	5	
Carbon Disulfide	ug/L	02/28/2007	N002	5	U		#	5	
Carbon tetrachloride	ug/L	02/28/2007	N002	5	U		#	5	
Chlorobenzene	ug/L	02/28/2007	N002	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	02/28/2007	N002	5	U		#	5	
Chloroethane	ug/L	02/28/2007	N002	5	U		#	5	
Chloroform	ug/L	02/28/2007	N002	5	U		#	5	
Chloromethane	ug/L	02/28/2007	N002	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	02/28/2007	N002	1.1	J		#	5	
cis-1,3-Dichloropropene	ug/L	02/28/2007	N002	5	U		#	5	
Dibromomethane	ug/L	02/28/2007	N002	5	U		#	5	
Dichlorodifluoromethane	ug/L	02/28/2007	N002	5	U		#	5	
Dissolved Oxygen	mg/L	02/28/2007	N001	8.2			0		
Ethylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
Hexachlorobutadiene	ug/L	02/28/2007	N002	5	U		#	5	
Isopropylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
Methylene chloride	ug/L	02/28/2007	N002	5	U		#	5	
n-Butylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
n-Propylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
Naphthalene	ug/L	02/28/2007	N002	5	U		#	5	
Oxidation Reduction Potential	mV	02/28/2007	N001	125.4			0		
p-Isopropyltoluene	ug/L	02/28/2007	N002	5	U		#	5	
pH	s.u.	02/28/2007	N001	6.32			0		

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
sec-Butylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
Specific Conductance	umhos/cm	02/28/2007	N001	1331			0		
Styrene	ug/L	02/28/2007	N002	5	U		#	5	
Temperature	C	02/28/2007	N001	6.59			0		
tert-Butylbenzene	ug/L	02/28/2007	N002	5	U		#	5	
Tetrachloroethene	ug/L	02/28/2007	N002	5	U		#	5	
Toluene	ug/L	02/28/2007	N002	5	U		#	5	
Total Xylenes	ug/L	02/28/2007	N002	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	02/28/2007	N002	5	U		#	5	
trans-1,3-dichloropropene	ug/L	02/28/2007	N002	5	U		#	5	
Trichloroethene	ug/L	02/28/2007	N002	3.57	J		#	5	
Trichlorofluoromethane	ug/L	02/28/2007	N002	5	U		#	5	
Turbidity	NTU	02/28/2007	N001	29.6			0		
Vinyl chloride	ug/L	02/28/2007	N002	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.

E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1,1-Trichloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1,2-Trichloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1-Dichloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,1-Dichloroethene	ug/L	05/23/2007	N001	5	U		#	5	
1,1-Dichloropropene	ug/L	05/23/2007	N001	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	
1,2,3-Trichloropropane	ug/L	05/23/2007	N001	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	05/23/2007	N001	5	U		#	5	
1,2-Dibromoethane	ug/L	05/23/2007	N001	5	U		#	5	
1,2-Dichlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	
1,2-Dichloroethane	ug/L	05/23/2007	N001	5	U		#	5	
1,2-Dichloropropane	ug/L	05/23/2007	N001	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	05/23/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	
1,3-Dichloropropane	ug/L	05/23/2007	N001	5	U		#	5	
1,4-Dichlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	
2,2-Dichloropropane	ug/L	05/23/2007	N001	5	U		#	5	
2-Butanone	ug/L	05/23/2007	N001	100	U		#	100	
2-Chlorotoluene	ug/L	05/23/2007	N001	5	U		#	5	
2-Hexanone	ug/L	05/23/2007	N001	50	U		#	50	
4-Chlorotoluene	ug/L	05/23/2007	N001	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	05/23/2007	N001	50	U		#	50	
Acetone	ug/L	05/23/2007	N001	100	U		#	100	
Benzene	ug/L	05/23/2007	N001	5	U		#	5	
Bromobenzene	ug/L	05/23/2007	N001	5	U		#	5	
Bromochloromethane	ug/L	05/23/2007	N001	5	U		#	5	
Bromodichloromethane	ug/L	05/23/2007	N001	5	U		#	5	
Bromoform	ug/L	05/23/2007	N001	5	U		#	5	
Bromomethane	ug/L	05/23/2007	N001	5	U		#	5	
Carbon Disulfide	ug/L	05/23/2007	N001	2.72	J	U	#	5	
Carbon tetrachloride	ug/L	05/23/2007	N001	5	U		#	5	
Chlorobenzene	ug/L	05/23/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	05/23/2007	N001	5	U		#	5	
Chloroethane	ug/L	05/23/2007	N001	5	U		#	5	
Chloroform	ug/L	05/23/2007	N001	5	U		#	5	
Chloromethane	ug/L	05/23/2007	N001	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	05/23/2007	N001	2.82	J		#	5	
cis-1,3-Dichloropropene	ug/L	05/23/2007	N001	5	U		#	5	
Dibromomethane	ug/L	05/23/2007	N001	5	U		#	5	
Dichlorodifluoromethane	ug/L	05/23/2007	N001	5	U		#	5	
Dissolved Oxygen	mg/L	05/23/2007	N002	6.16			0		
Ethylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
Hexachlorobutadiene	ug/L	05/23/2007	N001	5	U		#	5	
Isopropylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
Methylene chloride	ug/L	05/23/2007	N001	5	U		#	5	
n-Butylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
n-Propylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
Naphthalene	ug/L	05/23/2007	N001	5	U		#	5	
Oxidation Reduction Potential	mV	05/23/2007	N002	15.5			0		
p-Isopropyltoluene	ug/L	05/23/2007	N001	5	U		#	5	
pH	s.u.	05/23/2007	N002	6.94			0		

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
sec-Butylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
Specific Conductance	umhos/cm	05/23/2007	N002	1859			0		
Styrene	ug/L	05/23/2007	N001	5	U		#	5	
Temperature	C	05/23/2007	N002	13.72			0		
tert-Butylbenzene	ug/L	05/23/2007	N001	5	U		#	5	
Tetrachloroethene	ug/L	05/23/2007	N001	5	U		#	5	
Toluene	ug/L	05/23/2007	N001	5	U		#	5	
Total Xylenes	ug/L	05/23/2007	N001	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	05/23/2007	N001	5	U		#	5	
trans-1,3-dichloropropene	ug/L	05/23/2007	N001	5	U		#	5	
Trichloroethene	ug/L	05/23/2007	N001	10.4			#	5	
Trichlorofluoromethane	ug/L	05/23/2007	N001	5	U		#	5	
Turbidity	NTU	05/23/2007	N002	98.1			0		
Vinyl chloride	ug/L	05/23/2007	N001	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.

H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1,1-Trichloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1,2-Trichloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1-Dichloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,1-Dichloroethene	ug/L	08/24/2007	N001	5	U		#	5	
1,1-Dichloropropene	ug/L	08/24/2007	N001	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	
1,2,3-Trichloropropane	ug/L	08/24/2007	N001	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	08/24/2007	N001	5	U		#	5	
1,2-Dibromoethane	ug/L	08/24/2007	N001	5	U		#	5	
1,2-Dichlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	
1,2-Dichloroethane	ug/L	08/24/2007	N001	5	U		#	5	
1,2-Dichloropropane	ug/L	08/24/2007	N001	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	08/24/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	
1,3-Dichloropropane	ug/L	08/24/2007	N001	5	U		#	5	
1,4-Dichlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	
2,2-Dichloropropane	ug/L	08/24/2007	N001	5	U		#	5	
2-Butanone	ug/L	08/24/2007	N001	100	U		#	100	
2-Chlorotoluene	ug/L	08/24/2007	N001	5	U		#	5	
2-Hexanone	ug/L	08/24/2007	N001	50	U		#	50	
4-Chlorotoluene	ug/L	08/24/2007	N001	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	08/24/2007	N001	50	U		#	50	
Acetone	ug/L	08/24/2007	N001	100	U		#	100	
Benzene	ug/L	08/24/2007	N001	5	U		#	5	
Bromobenzene	ug/L	08/24/2007	N001	5	U		#	5	
Bromochloromethane	ug/L	08/24/2007	N001	5	U		#	5	
Bromodichloromethane	ug/L	08/24/2007	N001	5	U		#	5	
Bromoform	ug/L	08/24/2007	N001	5	U		#	5	
Bromomethane	ug/L	08/24/2007	N001	5	U		#	5	
Carbon Disulfide	ug/L	08/24/2007	N001	11.8		U	#	5	
Carbon tetrachloride	ug/L	08/24/2007	N001	5	U		#	5	
Chlorobenzene	ug/L	08/24/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	08/24/2007	N001	5	U		#	5	
Chloroethane	ug/L	08/24/2007	N001	5	U		#	5	
Chloroform	ug/L	08/24/2007	N001	5	U		#	5	
Chloromethane	ug/L	08/24/2007	N001	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	08/24/2007	N001	1.72	J		#	5	
cis-1,3-Dichloropropene	ug/L	08/24/2007	N001	5	U		#	5	
Dibromomethane	ug/L	08/24/2007	N001	5	U		#	5	
Dichlorodifluoromethane	ug/L	08/24/2007	N001	5	U		#	5	
Dissolved Oxygen	mg/L	08/24/2007	N002	2.48			0		
Ethylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
Hexachlorobutadiene	ug/L	08/24/2007	N001	5	U		#	5	
Isopropylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
Methylene chloride	ug/L	08/24/2007	N001	5	U		#	5	
n-Butylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
n-Propylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
Naphthalene	ug/L	08/24/2007	N001	5	U		#	5	
Oxidation Reduction Potential	mV	08/24/2007	N002	-113.4			0		
p-Isopropyltoluene	ug/L	08/24/2007	N001	5	U		#	5	
pH	s.u.	08/24/2007	N002	7.06			0		

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
sec-Butylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
Specific Conductance	umhos/cm	08/24/2007	N002	2309			0		
Styrene	ug/L	08/24/2007	N001	5	U		#	5	
Temperature	C	08/24/2007	N002	22.3			0		
tert-Butylbenzene	ug/L	08/24/2007	N001	5	U		#	5	
Tetrachloroethene	ug/L	08/24/2007	N001	5	U		#	5	
Toluene	ug/L	08/24/2007	N001	5	U		#	5	
Total Xylenes	ug/L	08/24/2007	N001	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	08/24/2007	N001	5	U		#	5	
trans-1,3-dichloropropene	ug/L	08/24/2007	N001	5	U		#	5	
Trichloroethene	ug/L	08/24/2007	N001	4.95	J		#	5	
Trichlorofluoromethane	ug/L	08/24/2007	N001	5	U		#	5	
Turbidity	NTU	08/24/2007	N002	355			0		
Vinyl chloride	ug/L	08/24/2007	N001	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.

E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,1,1,2-Tetrachloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1,1-Trichloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1,2,2-Tetrachloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1,2-Trichloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1-Dichloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,1-Dichloroethene	ug/L	11/14/2007	N001	5	U		#	5	
1,1-Dichloropropene	ug/L	11/14/2007	N001	5	U		#	5	
1,2,3-Trichlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	
1,2,3-Trichloropropane	ug/L	11/14/2007	N001	5	U		#	5	
1,2,4-Trichlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	
1,2,4-Trimethylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
1,2-Dibromo-3-chloropropane	ug/L	11/14/2007	N001	5	U		#	5	
1,2-Dibromoethane	ug/L	11/14/2007	N001	5	U		#	5	
1,2-Dichlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	
1,2-Dichloroethane	ug/L	11/14/2007	N001	5	U		#	5	
1,2-Dichloropropane	ug/L	11/14/2007	N001	5	U		#	5	
1,3,5-Trimethylbenzene	ug/L	11/14/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
1,3-Dichlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	
1,3-Dichloropropane	ug/L	11/14/2007	N001	5	U		#	5	
1,4-Dichlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	
2,2-Dichloropropane	ug/L	11/14/2007	N001	5	U		#	5	
2-Butanone	ug/L	11/14/2007	N001	100	U		#	100	
2-Chlorotoluene	ug/L	11/14/2007	N001	5	U		#	5	
2-Hexanone	ug/L	11/14/2007	N001	50	U		#	50	
4-Chlorotoluene	ug/L	11/14/2007	N001	5	U		#	5	
4-Methyl-2-Pentanone	ug/L	11/14/2007	N001	50	U		#	50	
Acetone	ug/L	11/14/2007	N001	100	U		#	100	
Benzene	ug/L	11/14/2007	N001	5	U		#	5	
Bromobenzene	ug/L	11/14/2007	N001	5	U		#	5	
Bromochloromethane	ug/L	11/14/2007	N001	5	U		#	5	
Bromodichloromethane	ug/L	11/14/2007	N001	5	U		#	5	
Bromoform	ug/L	11/14/2007	N001	5	U		#	5	
Bromomethane	ug/L	11/14/2007	N001	5	U		#	5	
Carbon Disulfide	ug/L	11/14/2007	N001	5	U		#	5	
Carbon tetrachloride	ug/L	11/14/2007	N001	5	U		#	5	
Chlorobenzene	ug/L	11/14/2007	N001	5	U		#	5	

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
Chlorodibromomethane	ug/L	11/14/2007	N001	5	U		#	5	
Chloroethane	ug/L	11/14/2007	N001	5	U		#	5	
Chloroform	ug/L	11/14/2007	N001	5	U		#	5	
Chloromethane	ug/L	11/14/2007	N001	5	U		#	5	
cis-1,2-Dichloroethene	ug/L	11/14/2007	N001	2.57	J		#	5	
cis-1,3-Dichloropropene	ug/L	11/14/2007	N001	5	U		#	5	
Dibromomethane	ug/L	11/14/2007	N001	5	U		#	5	
Dichlorodifluoromethane	ug/L	11/14/2007	N001	5	U		#	5	
Dissolved Oxygen	mg/L	11/14/2007	N001	1.66			0		
Ethylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
Hexachlorobutadiene	ug/L	11/14/2007	N001	5	U		#	5	
Isopropylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
Methylene chloride	ug/L	11/14/2007	N001	5	U		#	5	
n-Butylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
n-Propylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
Naphthalene	ug/L	11/14/2007	N001	5	U		#	5	
Oxidation Reduction Potential	mV	11/14/2007	N001	-11.4			0		
p-Isopropyltoluene	ug/L	11/14/2007	N001	5	U		#	5	
pH	s.u.	11/14/2007	N001	6.58			0		

Surface Water Quality Data by Location (USEE102) FOR SITE MND01, Mound Site
REPORT DATE: 3/11/2008
Location: 0617 SURFACE LOCATION MOUND NEW PROPERTY NEW PROPERTY PHASE 1 SEEP 9 (617)

Parameter	Units	Sample Date	Sample ID	Result	Qualifiers Lab	Qualifiers Data	Qualifiers QA	Detection Limit	Uncertainty
sec-Butylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
Specific Conductance	umhos/cm	11/14/2007	N001	1795			0		
Styrene	ug/L	11/14/2007	N001	5	U		#	5	
Temperature	C	11/14/2007	N001	14.98			0		
tert-Butylbenzene	ug/L	11/14/2007	N001	5	U		#	5	
Tetrachloroethene	ug/L	11/14/2007	N001	5	U		#	5	
Toluene	ug/L	11/14/2007	N001	5	U		#	5	
Total Xylenes	ug/L	11/14/2007	N001	5	U		#	5	
trans-1,2-Dichloroethene	ug/L	11/14/2007	N001	5	U		#	5	
trans-1,3-dichloropropene	ug/L	11/14/2007	N001	5	U		#	5	
Trichloroethene	ug/L	11/14/2007	N001	8.5			#	5	
Trichlorofluoromethane	ug/L	11/14/2007	N001	5	U		#	5	
Turbidity	NTU	11/14/2007	N001	168			0		
Vinyl chloride	ug/L	11/14/2007	N001	5	U		#	5	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:
- * Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.

H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X,Y,Z	Laboratory defined qualifier, see case narrative.

DATA QUALIFIERS:

F	Low flow sampling method used.	G	Possible grout contamination, pH > 9.	J	Estimated value.
L	Less than 3 bore volumes purged prior to sampling.	Q	Qualitative result due to sampling technique.	R	Unusable result.
U	Parameter analyzed for but was not detected.	X	Location is undefined.		

QA QUALIFIER:

#	Validated according to quality assurance guidelines.