

# INVESTIGATION REPORT: ONE-TIME EXPANDED WATER QUALITY SAMPLING PROGRAM

FORMER PAN ENERGY CORPORATION SITES  
HAMBERT COMPRESSOR STATION  
WELD COUNTY, COLORADO  
COGCC REMEDIATION NO. 18

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## ACRONYMS AND ABBREVIATIONS

AS	Air Sparge
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CBGWS	Colorado Basic Groundwater Standards
COC	Chain of Custody
COGCC	State of Colorado Oil and Gas Conservation Commission
DO	Dissolved Oxygen
E&P	Exploration and Production
EPA	U. S. Environmental Protection Agency
HCl	Hydrochloric Acid
L	Liter
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
LNAPL	Light Non-Aqueous Phase Liquids
MCL	Maximum Contaminant Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MW	Monitoring Well
ND	Not Detected at or Above Laboratory Detection Limit
Order	Consent Order
ORP	Oxidation/Reduction Potential
PEC	PEC Midwest, LLC
PEPL	Panhandle Eastern Pipe Line Company
QA	Quality Assurance
QC	Quality Control
SVE	Soil Vapor Extraction
µg	Microgram

## 1.0 PURPOSE

This report presents the results of the March 2008 one-time expanded sampling event at the Hambert Compressor Station (hereafter “Hambert”). The one-time expanded sampling event was completed to provide an understanding of current groundwater conditions, including the extent and magnitude of groundwater impacts associated with historical releases and the locations where light-non-aqueous phase liquid (LNAPL) is present. A significant amount of historical investigation work has been completed at Hambert; therefore, the one-time expanded sampling was also conducted to further evaluate trends over time and gauge progress toward completing the remedy in the approved Remediation Plan (Golder, 1992).

### 1.1 Background

The Colorado Oil and Gas Conservation Commission (COGCC) and Panhandle Eastern Pipe Line Company (PEPL) entered into a Consent Order (Order) on December 17, 1992 to resolve issues of compliance with COGCC regulations related to releases from operating exploration and production (E&P) facilities in the Wattenberg Natural Gas Gathering System (Wattenberg System). The Wattenberg System consists of eight facility sites, including Hambert, located in Adams and Weld Counties, Colorado (COGCC, 1992). As shown on Figure 1, the Hambert facility is located in Weld County, east of the community of Gilcrest.

PEPL initiated remedial actions at Hambert in 1993 based on the COGCC-approved Remediation Plan (Golder, 1992), consistent with the conditions of the Order. The Order specifically addressed compliance by PEPL with COGCC pollution prevention and remediation requirements for shallow sediments and ground water impacted by accidental releases of produced water and natural gas condensate at the eight Wattenberg sites (COGCC, 1992). Specific remedial actions completed by PEPL at Hambert included:

- Valve controls on the condensate tanks were modified to provide better control of liquid flow to the sumps
- Pans were placed beneath the condensate tank lines to contain drain system backflow
- Old steel sumps were replaced with fiberglass sumps along with associated piping, and approximately 500 cubic yards of impacted soil removed during sump replacement was landfarmed onsite
- A gas/condensate separator was installed on the vent line from the condensate tanks to the produced water sumps



- One LNAPL recovery trench was installed down gradient of the location of the former produced-water sumps, but LNAPL thickness was never sufficient for recovery to occur
- A soil vapor extraction/air sparge (SVE/AS) system was placed in operation and ultimately removed 3,838 pounds of hydrocarbons before performance reached diminishing returns

Groundwater monitoring has been conducted at Hambert since 1992, and routinely since 1998. Based on the extensive historical data, which demonstrated declining dissolved-phase concentration trends and a reduction in overall plume area due to natural attenuation, the monitoring program was paired down to a select number of wells in 2005 (TRC, 2005).

Because the current Colorado Basic Groundwater Standards (CBGWS) are based on federal drinking water standards (i.e., Maximum Contaminant Levels, or MCLs), monitoring or other actions are required until such time as constituent concentrations no longer exceed these standards. Therefore, this one-time expanded sampling program was designed and implemented to identify current conditions and aid in the design of an effective monitoring-well network for future monitoring events.

## 1.2 Goals and Objectives

The goals of this one-time expanded sampling program are to establish both LNAPL thickness and extent, and to determine the extent of the dissolved phase plume at the site. The results of this sampling event will be used to design a long-term monitoring program and to identify wells that can be plugged and abandoned.

## 2.0 FIELD SAMPLING PROGRAM

### 2.1 Scope of Work

The scope of work for the one-time expanded sampling event at Hambert was defined in the approved Work Plan (TRC, 2008 and COGCC, 2008) and included both well gauging and the collection of groundwater samples for laboratory analysis. All wells at the facility were gauged to determine water level elevation and to assess the presence (or absence) of LNAPL (see Figure 2). Groundwater samples were subsequently collected from an expanded list of select wells (expanded as compared to the list of wells recently sampled) and analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX).

The list of wells identified for sampling included MW002, 003, 004, 006, 008, 009, 011, 013, and 014, which are in the historic dissolved-phase plume, MW018, which is down gradient of the historic plume, and MW005, 010, and 017, which are on the lateral edges of the plume. Figure 3 identifies the wells that were sampled and their locations at the facility. While these wells were identified for sampling in the Work Plan, it should be noted that samples were not collected from any well found to contain measurable quantities of LNAPL.

### 2.2 Sampling Methodology

Two techniques were used to collect groundwater samples, depending on the depth to water. In wells where the depth to water was less than 22 feet below ground surface (bgs), the sample was collected with a peristaltic pump using the micro-purge method with dedicated tubing. If the depth to water was greater than 22 feet bgs, the well was purged using a disposable hand bailer. All non-dedicated and non-disposable equipment were decontaminated after use at each well.

Prior to sample collection, field parameters including pH, conductivity, temperature, oxidation/reduction potential (ORP), and dissolved oxygen (DO) were monitored via a flow-through-cell equipped with a YSI-556 multi-meter. Samples were not collected until all parameters had stabilized. At wells which were sampled using the hand bailing method, field parameters were measured and recorded after the well had been purged of three well volumes, just prior to sample collection. The field parameter data are presented in Table 1. Water quality parameter values were reviewed to determine if trends were present.

All groundwater samples were labeled and preserved as necessary, then placed in an iced cooler and delivered to the laboratory.

The groundwater gauging and sampling locations for the March 2008 event are presented on Figure 3.

## **3.0 LABORATORY ANALYTICAL PROGRAM**

### **3.1 Laboratory and Analytical Methods**

Groundwater samples were sent to Environmental Science Corporation in Mount Juliet, Tennessee for laboratory analysis. All groundwater samples were analyzed for BTEX using U.S. Environmental Protection Agency (EPA) SW-846 Method 8021B. The samples were collected, analyzed, and the data reduced in accordance with the existing Quality Assurance Plan for the PEC sites (TRC, 2002). The laboratory analytical report is provided in Appendix A.

### **3.2 Data Validation/Data Usability Conclusions**

#### ***3.2.1 Chain-of-Custody, Sample Shipment and Data Completeness***

##### **Chain of Custody**

The chain-of-custody (COC) was filled out correctly and completely.

##### **Sample Preservation and Integrity**

The bottles for the analysis of BTEX were pre-preserved with hydrochloric acid (HCl). The laboratory did not indicate arrival condition of samples, but there were no flags or narrative indicating any issues. Samples were couriered to the laboratory in appropriate containers. All sample preparation and analysis hold times were satisfied.

##### **Data Completeness**

Results for all target analytes are reported with no additional analytes. All requested analytical methods were followed. Reported detection/reporting limits agree with the project quality objectives. Ground water samples were collected from thirteen monitoring wells in accordance to the sampling plan. However, well MW019 was mistakenly sampled in place of the adjacent well MW018 due to the labeled well lids being switched.

#### ***3.2.2 Analytical Method QA/QC Results***

##### **Calibration and Sample Frequency**

Thirteen ground water samples from this site were analyzed by EPA Method SW8021B for BTEX. These thirteen samples were included in the same report with ground water samples from the other five PEC sites. This lab report includes a total of 49 groundwater samples and two trip blanks. Initial and continuing instrument calibration analyses were performed; however calibration data are not reported. For each analytical batch, results are available for a minimum of one method blank and laboratory control sample/laboratory control sample duplicate (LCS/LCSD) pair. Matrix spike/matrix spike

duplicate (MS/MSD) pair results are available for all analytical batches included in this report. Surrogate spike results are provided for each field sample. Three field duplicate samples were submitted for analysis, satisfying the 5% ( $3/49 = 6.12\%$ ) duplicate sample submittal frequency criterion. No equipment blanks were submitted for analysis, because for each well, either dedicated or disposable equipment was used. One trip blank was submitted and analyzed for each shipping cooler (2).

### Quality Control Results

The following summarizes the quality control (QC) results:

- Method blanks show no detectable concentrations of target analytes.
- Field blank results show no detectable concentrations of target analytes.
- LCS/LCSD recoveries are within acceptable limits.
- LCS/LCSD relative percent differences are within acceptable limits.
- MS/MSD recoveries are within acceptable limits, with the following exceptions:
  - The recovery on the MS, L338245-19 (Report # L338250 & L338245, Batch WG353189) (Voll MW013) was low. The associated MSD is within limits, so no impact is expected.
  - The recovery on the MS and MSD, L338212-02 (Report # L338245, Batch WG352992) were low. The associated LCS is within limits, so matrix effects are indicated. This suggests a low bias on this sample. This sample is not associated with any TRC sample, other than being in the same QC batch; no impact is indicated.
- MS/MSD relative percent differences are within acceptable limits.
- Surrogate spike recoveries are all within acceptable limits.

## 4.0 INVESTIGATION RESULTS AND INTERPRETATION

March 21 and 25, 2008, seventeen groundwater wells were gauged and thirteen wells were sampled at the Lambert Compressor Station. The groundwater gradient during this sampling event was determined to be 0.008 ft/ft with a flow direction to the northwest (Figure 2). This is consistent with the historical gradient average of 0.008 to the northwest (TRC 2005). The average depth to water during the 2008 event was 9.97 feet bgs, which is above the historical average depth of 12.3 feet bgs. Groundwater elevations fluctuate significantly at the site due to a center-pivot irrigation system and leakage from an irrigation canal adjacent to the site (TRC 2005).

No wells had measurable LNAPL. Historic groundwater elevations and LNAPL thicknesses are presented on Table 2.

Groundwater samples were collected from thirteen wells for laboratory analysis, MW002, 003, 004, 005, 006, 008, 009, 010, 011, 013, 014, 017, and 019 (Figure 4). The concentration of dissolved-phase benzene exceeded the MCL (5.0 µg/L) in wells MW002, 004, 008, 009, 010, 011, 013, and 014 with concentrations ranging from 6.0 to 1,200 µg/L (MW013). Wells MW002, 004, 010, 011, and 013 exhibit a generally stable trend over time. Wells MW008, 009, and 014 exhibit a downward trend over time (Graph 1).

Dissolved-phase toluene concentrations were ND<5.0 for all sampled wells and below the MCL of 1,000 µg/L. Dissolved-phase ethylbenzene concentrations ranged from ND<0.5 to 330 µg/L, all below the MCL of 700 µg/L. Dissolved-phase xylene concentrations ranged from ND<1.50 to 2,600 µg/L, all below the MCL of 10,000 µg/L.

Well MW019 was sampled in error in place of MW018 due to the labeled well lids being switched. The mislabeled lids were noted and will be remedied next monitoring event.

Historic BTEX concentrations for all wells are presented on Table 3.

## 5.0 CONCLUSIONS

Considerable site investigation, modeling, and remediation have been conducted at the Hambert Compressor Station, as summarized in Section 1.1 of this report and in detail in the *Final Compliance Documentation: Hambert Compressor Station* (TRC, 2005). The capital improvements and remedial activities that have been implemented at the site have been effective in preventing additional releases and in addressing the historical impacts present. Results from this sampling event show that LNAPL is no longer present, the benzene plume is stable and its extent is relatively unchanged since 2003, and that concentrations are generally decreasing. The risk of impact to human health and the environment is low. Therefore, natural attenuation processes continue to address the residual hydrocarbons in the subsurface, and no changes in the site conditions warrant alternative measures at this time.

Based on the results of the one-time sampling event, TRC proposes to submit a revised Work Plan to address future monitoring and other activities at the Hambert Compressor Station. The revised Work Plan will be submitted under separate cover for COGCC review and approval.

## 6.0 REFERENCES

- COGCC, 1992. Consent Order, In The Matter Of Panhandle Eastern Pipe Line Company.
- COGCC, 2008. *Pan Energy Projects: Remediation Project Numbers 1, 17, 18, 19, 20 and 21*. Letter from Steve Lindblom, Colorado Oil and Gas Conservation Commission, to Scott Reed, TRC Environmental Corporation. March 5, 2008.
- Golder, 1992. *Panhandle Eastern Pipe Line Company Remediation Plan: Hambert Station, Weld County, Colorado*. Prepared for Panhandle Eastern Pipe Line Company (PEPL) by Golder Associates Inc., 200 Union Boulevard, Suite 100, Lakewood, Colorado 80228. November 1992.
- TRC, 2002. *Quality Assurance Plan*. Prepared for Pan Energy Corporation (PEC) by TRC Environmental Corporation, 7761 Shaffer Parkway, Suite 100, Littleton, Colorado 80127. April 2002.
- TRC, 2005. *Final Compliance Documentation: Hambert Compressor Station, Weld County, Colorado, COGCC Remediation No. 18*. Prepared for the State of Colorado Oil and Gas Conservation Commission by TRC Environmental Corporation, 7761 Shaffer Parkway, Suite 100, Littleton, Colorado 80127. December 2005.
- TRC, 2008. *Pan Energy Project: Proposed One-Time Expanded Water Quality Sampling Program*. Letter from Scott Reed, TRC Environmental Corporation, to Steve Lindblom, Colorado Oil and Gas Conservation Commission. February 13, 2008.

## TABLES



TABLE 1  
FIELD PARAMETERS  
HAMBERT COMPRESSOR STATION  
WELD COUNTY, COLORADO

Well ID	Sample Date	Temp (C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)
MW002	3/21/08	12.64	0.988	1.01	7.43	63.5
MW003	3/21/08	12.56	0.976	0.26	7.34	-29.4
MW004	3/21/08	12.16	0.942	1.67	7.37	-60.2
MW005	3/21/08	12.18	0.879	3.01	7.32	7.3
MW006	3/21/08	13.20	0.904	4.72	7.56	444.5
MW008	3/21/08	11.62	1.142	1.51	6.92	-69.4
MW009	3/21/08	11.62	1.051	1.49	6.98	-47.8
MW010	3/21/08	8.75	1.196	0.96	7.05	-40.3
MW011	3/21/08	9.19	1.006	0.19	7.51	-140.0
MW013	3/21/08	11.67	0.792	8.39	7.33	-112.4
MW014	3/21/08	11.76	1.027	0.24	7.40	-153.2
MW017	3/21/08	11.56	1.275	4.23	7.37	399.5
MW018	3/21/08	11.44	1.126	0.51	7.42	30.0

mS/cm = milliSiemens per centimeter

mg/L = milligrams per Liter

mV = millivolts

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW001	3/16/1992	106.91	ND	20.66		86.25	86.25	
	3/18/1992	106.91	ND	20.69		86.22	86.22	
	3/24/1992	106.91	ND	20.52		86.39	86.39	
	3/31/1992	106.91	ND	20.64		86.27	86.27	
	5/21/1992	106.91	ND	20.16		86.75	86.75	
	6/8/1992	106.91	ND	20.17		86.74	86.74	
	7/21/1992	106.91	ND	19.95		86.96	86.96	
	8/27/1992	106.91	ND	20.19		86.72	86.72	
	9/25/1992	106.91	ND	19.92		86.99	86.99	
	10/20/1992	106.91	ND	19.73		87.18	87.18	
	11/3/1992	106.91	ND	19.66		87.25	87.25	
	6/23/1993	106.91	ND	19.55		87.36	87.36	
	12/15/1993	106.91	ND	18.66		88.25	88.25	
	6/29/1994	106.91	ND	18.60		88.31	88.31	
	12/7/1994	106.91	ND	17.19		89.72	89.72	
	5/31/1995	106.91	ND	17.68		89.23	89.23	
	1/15/1996	106.91	ND	17.43		89.48	89.48	
	7/8/1996	106.91	ND	17.29		89.62	89.62	
	1/30/1997	106.91	ND	17.24		89.67	89.67	
	7/9/1997	106.91	ND	15.82		91.09	91.09	
	9/10/1997	106.91	ND	15.45		91.46	91.46	
	9/19/1997	106.91	ND	15.41		91.50	91.50	
	10/22/1997	106.91	ND	15.26		91.65	91.65	
	11/11/1997	106.91	ND	15.20		91.71	91.71	
	11/19/1997	106.91	ND	15.19		91.72	91.72	
	3/25/1998	106.91	ND	16.22		90.69	90.69	
	1/26/1999	106.91	ND	16.52		90.39	90.39	
	2/25/1999	106.91	ND	16.60		90.31	90.31	
	3/26/1999	106.91	ND	16.41		90.50	90.50	
	4/29/1999	106.91	ND	16.23		90.68	90.68	
	5/27/1999	106.91	ND	15.06		91.85	91.85	
	6/24/1999	106.91	ND	14.59		92.32	92.32	
	7/23/1999	106.91	ND	14.68		92.23	92.23	
	8/26/1999	106.91	ND	14.45		92.46	92.46	
	9/23/1999	106.91	ND	14.77		92.14	92.14	
	10/12/1999	106.91	ND	15.04		91.87	91.87	
	11/29/1999	106.91	ND	15.52		91.39	91.39	
	1/31/2000	106.91	ND	16.14		90.77	90.77	
	4/6/2000	106.91	ND	16.32		90.59	90.59	
	7/12/2000	106.91	ND	15.87		91.04	91.04	
	10/5/2000	106.91	ND	16.89		90.02	90.02	
	1/25/2001	106.91	ND	16.21		90.70	90.70	
	4/17/2001	106.91	ND	16.32		90.59	90.59	
	7/3/2001	106.91	ND	16.58		90.33	90.33	
	11/7/2001	106.91	ND	16.26		90.65	90.65	
	3/19/2002	106.91	ND	17.10		89.81	89.81	
	12/23/2002	106.91	ND	19.81		87.10	87.10	
	2/27/2003	106.91	ND	20.37		86.54	86.54	
	4/2/2003	106.91	ND	20.41		86.50	86.50	
	5/1/2003	106.91	ND	19.91		87.00	87.00	
	6/10/2003	106.91	ND	18.83		88.08	88.08	
	7/2/2003	106.91	ND	18.26		88.65	88.65	
	7/23/2003	106.91	ND	18.12		88.79	88.79	
	8/27/2003	106.91	ND	18.54		88.37	88.37	
	10/7/2003	106.91	ND	18.84		88.07	88.07	
	11/20/2003	106.91	ND	19.18		87.73	87.73	
	2/9/2004	106.91	ND	19.22		87.69	87.69	
	3/4/2004	106.91	ND	18.80		88.11	88.11	
	5/10/2004	106.91	ND	18.01		88.90	88.90	
	6/2/2004	106.91	ND	17.99		88.92	88.92	
	7/19/2004	106.91	ND	17.81		89.10	89.10	
	8/19/2004	106.91	ND	17.69		89.22	89.22	
	10/18/2004	106.91	ND	17.99		88.92	88.92	
	4/24/2006	106.91	NM	NM				
	4/30/2007	106.91	ND	17.08		89.83	89.83	
	3/21/2008	106.91	ND	16.49		90.42	90.42	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW002	3/16/1992	100.03	ND	17.04		82.99	82.99	
	3/18/1992	100.03	ND	16.88		83.15	83.15	
	3/24/1992	100.03	ND	16.74		83.29	83.29	
	3/31/1992	100.03	ND	16.56		83.47	83.47	
	5/21/1992	100.03	ND	15.72		84.31	84.31	
	7/21/1992	100.03	ND	15.29		84.74	84.74	
	8/27/1992	100.03	ND	15.51		84.52	84.52	
	9/25/1992	100.03	ND	14.76		85.27	85.27	
	10/20/1992	100.03	ND	14.71		85.32	85.32	
	11/3/1992	100.03	ND	14.88		85.15	85.15	
	6/23/1993	100.03	ND	15.02		85.01	85.01	
	12/15/1993	100.03	ND	14.10		85.93	85.93	
	6/28/1994	100.03	ND	12.28		87.75	87.75	
	12/7/1994	100.03	ND	12.15		87.88	87.88	
	5/31/1995	100.03	ND	13.07		86.96	86.96	
	1/15/1996	100.03	ND	13.78		86.25	86.25	
	7/8/1996	100.03	ND	12.80		87.23	87.23	
	1/30/1997	100.03	ND	12.42		87.61	87.61	
	7/9/1997	100.03	ND	11.36		88.67	88.67	
	9/10/1997	100.03	ND	10.76		89.27	89.27	
	9/19/1997	100.03	ND	11.22		88.81	88.81	
	10/22/1997	100.03	ND	10.84		89.19	89.19	
	11/11/1997	100.03	ND	11.15		88.88	88.88	
	11/19/1997	100.03	ND	11.22		88.81	88.81	
	3/25/1998	100.03	ND	12.91		87.12	87.12	
	10/6/1998	100.03	ND	11.35		88.68	88.68	
	11/5/1998	100.03	ND	12.11		87.92	87.92	
	1/26/1999	100.03	ND	13.78		86.25	86.25	
	2/25/1999	100.03	ND	13.41		86.62	86.62	
	3/26/1999	100.03	ND	12.90		87.13	87.13	
	4/29/1999	100.03	ND	12.60		87.43	87.43	
	5/27/1999	100.03	ND	11.46		88.57	88.57	
	6/24/1999	100.03	ND	10.76		89.27	89.27	
	7/23/1999	100.03	ND	10.92		89.11	89.11	
	8/26/1999	100.03	ND	10.68		89.35	89.35	
	9/23/1999	100.03	ND	11.51		88.52	88.52	
	10/12/1999	100.03	ND	11.95		88.08	88.08	
	11/29/1999	100.03	ND	12.18		87.85	87.85	*
	1/31/2000	100.03	ND	13.44		86.59	86.59	
	4/6/2000	100.03	ND	13.44		86.59	86.59	
	7/12/2000	100.03	ND	12.41		87.62	87.62	
	10/5/2000	100.03	ND	13.80		86.23	86.23	
	1/25/2001	100.03	ND	12.16		87.87	87.87	
	4/17/2001	100.03	ND	12.72		87.31	87.31	
	7/3/2001	100.03	ND	13.14		86.89	86.89	
	11/7/2001	100.03	ND	12.04		87.99	87.99	
	3/19/2002	100.03	ND	13.41		86.62	86.62	
	12/23/2002	100.03	17.65	18.83	1.18	81.20	82.14	
	1/10/2003	100.03	17.84	18.97	1.13	81.06	81.96	
	2/27/2003	100.03	18.26	19.45	1.19	80.58	81.53	
	4/2/2003	100.03	17.54	18.40	0.86	81.63	82.32	
	4/30/2003	100.04	16.36	16.53	0.17	83.51	83.65	
	6/10/2003	100.04	ND	14.28		85.76	85.76	
	7/2/2003	100.04	ND	13.62		86.42	86.42	
	7/23/2003	100.04	ND	14.30		85.74	85.74	
	8/27/2003	100.04	ND	15.36		84.68	84.68	
	10/8/2003	100.04	ND	15.92		84.12	84.12	
	11/20/2003	100.04	ND	16.12		83.92	83.92	
	2/9/2004	100.04	ND	15.48		84.56	84.56	
	3/4/2004	100.04	ND	14.52		85.52	85.52	
	5/6/2004	100.04	ND	14.02		86.02	86.02	**
	6/2/2004	100.04	ND	13.92		86.12	86.12	
	7/19/2004	100.04	ND	13.81		86.23	86.23	
	8/19/2004	100.04	ND	13.57		86.47	86.47	
	10/15/2004	100.04	ND	14.48		85.56	85.56	
	4/24/2006	100.04	NM	NM				
	4/30/2007	100.04	ND	12.17		87.87	87.87	
	3/21/2008	100.04	ND	12.12		87.92	87.92	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW003	3/16/1992	100.00	ND	17.38		82.62	82.62	
	3/18/1992	100.00	ND	17.41		82.59	82.59	
	3/24/1992	100.00	ND	17.11		82.89	82.89	
	3/31/1992	100.00	ND	16.90		83.10	83.10	
	5/21/1992	100.00	ND	15.98		84.02	84.02	
	7/21/1992	100.00	ND	15.57		84.43	84.43	
	8/27/1992	100.00	ND	15.80		84.20	84.20	
	9/25/1992	100.00	ND	14.96		85.04	85.04	
	10/20/1992	100.00	ND	14.96		85.04	85.04	
	11/3/1992	100.00	ND	15.15		84.85	84.85	
	6/23/1993	100.00	ND	15.29		84.71	84.71	
	12/15/1993	100.00	ND	14.38		85.62	85.62	
	6/28/1994	100.00	ND	12.35		87.65	87.65	
	12/7/1994	100.00	ND	12.38		87.62	87.62	
	5/31/1995	100.00	ND	13.36		86.64	86.64	
	1/15/1996	100.00	ND	14.11		85.89	85.89	
	7/8/1996	100.00	ND	13.08		86.92	86.92	
	1/30/1997	100.00	ND	12.58		87.42	87.42	
	7/9/1997	100.00	ND	11.55		88.45	88.45	
	9/10/1997	100.00	ND	11.06		88.94	88.94	
	9/19/1997	100.00	ND	11.52		88.48	88.48	
	10/22/1997	100.00	ND	11.08		88.92	88.92	
	11/11/1997	100.00	ND	11.46		88.54	88.54	
	11/19/1997	100.00	ND	11.54		88.46	88.46	
	3/25/1998	100.00	ND	13.25		86.75	86.75	
	10/6/1998	100.00	ND	11.59		88.41	88.41	
	11/5/1998	100.00	ND	12.47		87.53	87.53	
	1/26/1999	100.00	ND	14.19		85.81	85.81	
	2/25/1999	100.00	ND	13.76		86.24	86.24	
	3/26/1999	100.00	ND	13.21		86.79	86.79	
	4/29/1999	100.00	ND	12.97		87.03	87.03	
	5/27/1999	100.00	ND	11.81		88.19	88.19	
	6/24/1999	100.00	ND	11.10		88.90	88.90	
	7/23/1999	100.00	ND	11.34		88.66	88.66	
	8/26/1999	100.00	ND	11.00		89.00	89.00	
	9/23/1999	100.00	ND	11.87		88.13	88.13	
	10/12/1999	100.00	ND	12.34		87.66	87.66	
	11/29/1999	100.00	ND	12.54		87.46	87.46	
	1/31/2000	100.00	ND	13.87		86.13	86.13	
	4/6/2000	100.00	ND	13.49		86.51	86.51	
	7/12/2000	100.00	ND	12.79		87.21	87.21	
	10/5/2000	100.00	ND	14.15		85.85	85.85	
	1/25/2001	100.00	ND	12.41		87.59	87.59	
	4/17/2001	100.00	ND	13.05		86.95	86.95	
	7/3/2001	100.00	ND	13.51		86.49	86.49	
	11/7/2001	100.00	ND	12.29		87.71	87.71	
	3/20/2002	100.00	ND	13.74		86.26	86.26	
	12/23/2002	100.00	17.87	19.73	1.86	80.27	81.76	
	1/10/2003	100.00	ND	18.57		81.43	81.43	
	5/1/2003	100.01	ND	16.57		83.44	83.44	
	6/10/2003	100.01	ND	14.41		85.60	85.60	
	6/13/2003	100.01	ND	14.31		85.70	85.70	
	7/2/2003	100.01	ND	13.81		86.20	86.20	
	7/24/2003	100.01	ND	14.59		85.42	85.42	
	8/27/2003	100.01	ND	15.69		84.32	84.32	
	10/7/2003	100.01	ND	16.23		83.78	83.78	
	11/20/2003	100.01	ND	16.43		83.58	83.58	
	2/9/2004	100.01	ND	15.68		84.33	84.33	
	3/4/2004	100.01	ND	14.69		85.32	85.32	
	5/6/2004	100.01	ND	14.29		85.72	85.72	
	6/2/2004	100.01	ND	14.18		85.83	85.83	
	7/19/2004	100.01	ND	14.00		86.01	86.01	
	8/19/2004	100.01	ND	13.82		86.19	86.19	
	10/15/2004	100.01	ND	14.82		85.19	85.19	
	4/24/2006	100.01	NM					
	4/30/2007	100.01	ND	12.38		87.63	87.63	
	3/21/2008	100.01	ND	12.34		87.67	87.67	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW004	6/23/1993	97.91	ND	13.47		84.44	84.44	
	12/15/1993	97.91	ND	12.60		85.31	85.31	
	6/28/1994	97.91	ND	10.31		87.60	87.60	
	12/7/1994	97.91	ND	10.55		87.36	87.36	
	5/31/1995	97.91	ND	11.57		86.34	86.34	
	1/15/1996	97.91	ND	12.41		85.50	85.50	
	7/8/1996	97.91	ND	11.26		86.65	86.65	
	1/30/1997	97.91	ND	10.65		87.26	87.26	
	7/9/1997	97.91	ND	9.88		88.03	88.03	
	9/10/1997	97.91	ND	9.29		88.62	88.62	
	9/19/1997	97.91	ND	9.79		88.12	88.12	
	10/22/1997	97.91	ND	9.28		88.63	88.63	
	11/11/1997	97.91	ND	9.71		88.20	88.20	
	11/19/1997	97.91	ND	9.80		88.11	88.11	
	3/25/1998	97.91	ND	11.57		86.34	86.34	
	10/6/1998	97.91	ND	9.79		88.12	88.12	
	11/5/1998	97.91	ND	10.79		87.12	87.12	
	1/26/1999	97.91	ND	12.60		85.31	85.31	
	2/25/1999	97.91	ND	12.08		85.83	85.83	
	3/26/1999	97.91	ND	11.49		86.42	86.42	
	4/29/1999	97.91	ND	11.30		86.61	86.61	
	5/27/1999	97.91	ND	10.12		87.79	87.79	
	6/24/1999	97.91	ND	9.37		88.54	88.54	
	7/23/1999	97.91	ND	9.51		88.40	88.40	
	8/26/1999	97.91	ND	9.28		88.63	88.63	
	9/23/1999	97.91	ND	10.20		87.71	87.71	
	10/12/1999	97.91	ND	10.68		87.23	87.23	
	11/29/1999	97.91	ND	10.86		87.05	87.05	
	1/31/2000	97.91	ND	12.30		85.61	85.61	
	4/6/2000	97.91	ND	11.81		86.10	86.10	
	7/12/2000	97.91	ND	11.10		86.81	86.81	
	10/5/2000	97.91	ND	12.51		85.40	85.40	
	1/25/2001	97.91	ND	10.62		87.29	87.29	
	4/17/2001	97.91	ND	11.34		86.57	86.57	
	7/3/2001	97.91	ND	11.86		86.05	86.05	
	11/7/2001	97.91	ND	10.52		87.39	87.39	
	3/20/2002	97.91	ND	12.04		85.87	85.87	
	12/23/2002	97.91	16.11	18.37	2.26	79.54	81.35	
	1/10/2003	97.91	16.84	18.44	1.60	79.47	80.75	
	2/27/2003	97.91	16.92	18.47	1.55	79.44	80.68	
	4/2/2003	97.91	16.02	17.05	1.03	80.86	81.68	
	4/30/2003	97.89	14.71	14.73	0.02	83.16	83.18	
	6/10/2003	97.89	ND	12.57		85.32	85.32	
	6/13/2003	97.89	ND	12.43		85.46	85.46	
	7/2/2003	97.89	ND	11.95		85.94	85.94	
	7/24/2003	97.89	ND	12.87		85.02	85.02	
	8/27/2003	97.89	ND	13.97		83.92	83.92	
	10/8/2003	97.89	ND	14.56		83.33	83.33	
	11/20/2003	97.89	ND	14.70		83.19	83.19	
	2/9/2004	97.89	ND	13.86		84.03	84.03	
	3/4/2004	97.89	ND	12.75		85.14	85.14	
	5/6/2004	97.89	ND	12.52		85.37	85.37	
	6/2/2004	97.89	ND	12.37		85.52	85.52	
	7/19/2004	97.89	ND	12.34		85.55	85.55	
	8/19/2004	97.89	ND	12.01		85.88	85.88	
	10/15/2004	97.89	ND	13.03		84.86	84.86	
	4/24/2006	97.89	NM	NM				
	4/30/2007	97.89	ND	10.51		87.38	87.38	
	3/21/2008	97.89	ND	10.49		87.40	87.40	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW005	6/23/1993	98.08	ND	13.22		84.86	84.86	
	12/15/1993	98.08	ND	12.33		85.75	85.75	
	6/28/1994	98.08	ND	10.20		87.88	87.88	
	12/7/1994	98.08	ND	10.34		87.74	87.74	
	5/31/1995	98.08	ND	11.30		86.78	86.78	
	1/15/1996	98.08	ND	12.09		85.99	85.99	
	7/8/1996	98.08	ND	11.04		87.04	87.04	
	1/30/1997	98.08	ND	10.59		87.49	87.49	
	7/9/1997	98.08	ND	9.62		88.46	88.46	
	9/10/1997	98.08	ND	8.98		89.10	89.10	
	9/19/1997	98.08	ND	9.50		88.58	88.58	
	10/22/1997	98.08	ND	9.10		88.98	88.98	
	11/11/1997	98.08	ND	9.45		88.63	88.63	
	11/19/1997	98.08	ND	9.52		88.56	88.56	
	3/25/1998	98.08	ND	11.23		86.85	86.85	
	10/6/1998	98.08	ND	9.62		88.46	88.46	
	11/5/1998	98.08	ND	10.47		87.61	87.61	
	1/26/1999	98.08	ND	12.18		85.90	85.90	
	2/25/1999	98.08	ND	11.76		86.32	86.32	
	3/26/1999	98.08	ND	11.22		86.86	86.86	
	4/29/1999	98.08	ND	10.89		87.19	87.19	
	5/27/1999	98.08	ND	9.81		88.27	88.27	
	6/24/1999	98.08	ND	8.07		90.01	90.01	
	7/23/1999	98.08	ND	9.23		88.85	88.85	*
	8/26/1999	98.08	ND	8.88		89.20	89.20	*
	9/23/1999	98.08	ND	9.86		88.22	88.22	
	10/12/1999	98.08	ND	10.31		87.77	87.77	
	11/29/1999	98.08	ND	10.54		87.54	87.54	
	1/31/2000	98.08	ND	11.86		86.22	86.22	
	4/6/2000	98.08	ND	11.50		86.58	86.58	
	7/12/2000	98.08	ND	10.73		87.35	87.35	
	10/5/2000	98.08	ND	12.16		85.92	85.92	
	1/25/2001	98.08	ND	10.42		87.66	87.66	
	4/17/2001	98.08	ND	11.05		87.03	87.03	
	7/13/2001	98.08	ND	11.50		86.58	86.58	
	11/7/2001	98.08	ND	10.30		87.78	87.78	
	3/20/2002	98.08	ND	11.71		86.37	86.37	
	12/23/2002	98.08	ND	16.37		81.71	81.71	
	1/10/2003	98.08	ND	16.55		81.53	81.53	
	2/27/2003	98.08	ND	16.97		81.11	81.11	
	4/2/2003	98.08	ND	16.08		82.00	82.00	
	5/1/2003	98.08	ND	14.60		83.48	83.48	
	6/10/2003	98.08	ND	12.43		85.65	85.65	
	7/2/2003	98.08	ND	11.79		86.29	86.29	
	7/24/2003	98.08	ND	12.55		85.53	85.53	
	8/27/2003	98.08	ND	13.65		84.43	84.43	
	10/8/2003	98.08	ND	14.20		83.88	83.88	
	11/20/2003	98.08	ND	14.40		83.68	83.68	
	2/9/2004	98.08	ND	13.68		84.40	84.40	
	3/4/2004	98.08	ND	12.69		85.39	85.39	
	5/10/2004	98.08	ND	12.40		85.68	85.68	
	6/2/2004	98.08	ND	12.13		85.95	85.95	
	7/19/2004	98.08	ND	12.03		86.05	86.05	
	8/19/2004	98.08	ND	11.78		86.30	86.30	
	10/15/2004	98.08	ND	12.74		85.34	85.34	
	4/24/2006	98.08	NM	NM				
	4/30/2007	98.08	ND	10.32		87.76	87.76	
	3/21/2008	98.08	ND	10.32		87.76	87.76	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW006	6/23/1993	101.23	ND	15.29		85.94	85.94	
	12/15/1993	101.23	ND	15.30		85.93	85.93	
	6/28/1994	101.23	ND	15.08		86.15	86.15	
	12/7/1994	101.23	ND	13.50		87.73	87.73	
	5/31/1995	101.23	ND	14.39		86.84	86.84	
	1/15/1996	101.23	ND	14.62		86.61	86.61	
	7/8/1996	101.23	ND	14.00		87.23	87.23	
	1/30/1997	101.23	ND	13.67		87.56	87.56	
	7/9/1997	101.23	ND	12.52		88.71	88.71	
	9/10/1997	101.23	ND	12.13		89.10	89.10	
	9/19/1997	101.23	ND	12.18		89.05	89.05	
	10/22/1997	101.23	ND	11.82		89.41	89.41	
	11/11/1997	101.23	ND	12.04		89.19	89.19	
	11/19/1997	101.23	ND	12.08		89.15	89.15	
	3/25/1998	101.23	ND	13.59		87.64	87.64	
	10/6/1998	101.23	ND	12.13		89.10	89.10	
	11/5/1998	101.23	ND	12.70		88.53	88.53	
	1/26/1999	101.23	ND	14.23		87.00	87.00	
	2/25/1999	101.23	ND	14.04		87.19	87.19	
	3/26/1999	101.23	ND	13.61		87.62	87.62	
	4/29/1999	101.23	ND	13.46		87.77	87.77	
	5/27/1999	101.23	ND	12.14		89.09	89.09	
	6/24/1999	101.23	ND	11.64		89.59	89.59	
	7/23/1999	101.23	ND	11.72		89.51	89.51	
	8/26/1999	101.23	ND	11.32		89.91	89.91	
	9/23/1999	101.23	ND	11.93		89.30	89.30	
	10/12/1999	101.23	ND	12.42		88.81	88.81	
	11/29/1999	101.23	ND	12.81		88.42	88.42	
	1/31/2000	101.23	ND	13.98		87.25	87.25	
	4/6/2000	101.23	ND	13.81		87.42	87.42	
	7/12/2000	101.23	ND	13.18		88.05	88.05	
	10/5/2000	101.23	ND	14.35		86.88	86.88	
	1/25/2001	101.23	ND	13.07		88.16	88.16	
	4/17/2001	101.23	ND	13.47		87.76	87.76	
	7/3/2001	101.23	ND	13.88		87.35	87.35	
	11/7/2001	101.23	ND	12.98		88.25	88.25	
	3/20/2002	101.23	ND	14.22		87.01	87.01	
	12/23/2002	101.23	17.63	19.45	1.82	81.78	83.24	
	1/10/2003	101.23	17.78	19.70	1.92	81.53	83.07	
	2/27/2003	101.23	18.16	20.22	2.06	81.01	82.66	
	4/2/2003	101.23	17.81	19.29	1.48	81.94	83.12	
	5/1/2003	101.23	17.07	18.38	1.31	82.85	83.90	
	6/10/2003	101.23	ND	15.29		85.94	85.94	
	6/13/2003	101.23	ND	15.18		86.05	86.05	
	7/2/2003	101.23	ND	14.66		86.57	86.57	
	7/23/2003	101.23	ND	14.99		86.24	86.24	
	10/7/2003	101.23	ND	16.31		84.92	84.92	
	11/20/2003	101.23	ND	16.71		84.52	84.52	
	2/9/2004	101.23	ND	16.32		84.91	84.91	
	3/4/2004	101.23	ND	15.55		85.68	85.68	
	5/6/2004	101.23	ND	14.86		86.37	86.37	
	6/2/2004	101.23	ND	14.85		86.38	86.38	
	7/19/2004	101.23	ND	14.62		86.61	86.61	
	8/19/2004	101.23	ND	14.44		86.79	86.79	
	8/27/2003	101.23	ND	15.82		85.41	85.41	
	10/15/2004	101.23	ND	15.16		86.07	86.07	
	4/24/2006	101.23	NM	NM				
	4/30/2007	101.23	ND	13.44		87.79	87.79	
	3/21/2008	101.23	ND	13.08		88.15	88.15	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW007	9/10/1997	97.33	ND	10.98		86.35	86.35	
	9/19/1997	97.33	ND	11.23		86.10	86.10	
	10/20/1997	97.33	ND	10.80		86.53	86.53	
	10/22/1997	97.33	ND	10.68		86.65	86.65	
	11/11/1997	97.33	ND	11.20		86.13	86.13	
	11/19/1997	97.33	ND	11.29		86.04	86.04	
	3/24/1998	97.33	ND	11.47		85.86	85.86	
	10/6/1998	97.33	9.42	9.43	0.01	87.90	87.91	
	11/5/1998	97.33	ND	10.52		86.81	86.81	
	1/26/1999	97.33	ND	12.41		84.92	84.92	
	2/25/1999	97.33	ND	11.98		85.35	85.35	
	3/26/1999	97.33	ND	11.23		86.10	86.10	
	4/29/1999	97.33	ND	11.21		86.12	86.12	
	5/27/1999	97.33	ND	9.85		87.48	87.48	
	6/24/1999	97.33	ND	9.22		88.11	88.11	
	7/23/1999	97.33	ND	9.21		88.12	88.12	
	8/26/1999	97.33	ND	9.01		88.32	88.32	
	9/23/1999	97.33	ND	9.86		87.47	87.47	
	10/12/1999	97.33	ND	10.42		86.91	86.91	
	11/29/1999	97.33	ND	10.41		86.92	86.92	
	1/31/2000	97.33	ND	11.63		85.70	85.70	
	4/6/2000	97.33	ND	11.61		85.72	85.72	
	7/12/2000	97.33	ND	10.92		86.41	86.41	
	10/5/2000	97.33	ND	12.27		85.06	85.06	
	1/25/2001	97.33	ND	10.32		87.01	87.01	
	4/17/2001	97.33	ND	11.08		86.25	86.25	
	7/3/2001	97.33	ND	11.66		85.67	85.67	
	11/7/2001	97.33	ND	10.22		87.11	87.11	
	3/19/2002	97.33	ND	11.72		85.61	85.61	
	12/23/2002	97.33	15.92	18.08	2.16	79.25	80.98	
	2/27/2003	97.33	16.67	18.31	1.64	79.02	80.33	
	4/30/2003	96.32	13.44	14.22	0.78	82.10	82.72	
	6/23/2003	96.32	ND	11.03		85.29	85.29	
	7/28/2003	96.32	ND	11.79		84.53	84.53	
	8/27/2003	96.32	ND	12.72		83.60	83.60	
	10/9/2003	96.32	ND	13.42		82.90	82.90	
	11/20/2003	96.32	ND	13.61		82.71	82.71	
	2/9/2004	96.32	ND	12.87		83.45	83.45	
	3/5/2004	96.32	ND	11.61		84.71	84.71	
	5/10/2004	96.32	ND	11.57		84.75	84.75	
	6/7/2004	96.32	ND	11.48		84.84	84.84	
	7/19/2004	96.32	ND	11.20		85.12	85.12	
	8/19/2004	96.32	ND	10.98		85.34	85.34	
	10/18/2004	96.32	ND	11.93		84.39	84.39	
	4/24/2006	96.32	NM	NM				
	4/30/2007	96.32	ND	9.44		86.88	86.88	
	3/21/2008	96.32	ND	9.36		86.96	86.96	



Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW008	10/20/1997	98.34	ND	13.01		85.33	85.33	
	10/22/1997	98.34	ND	12.91		85.43	85.43	
	11/11/1997	98.34	ND	13.92		84.42	84.42	
	11/19/1997	98.34	ND	14.12		84.22	84.22	
	3/24/1998	98.34	ND	14.22		84.12	84.12	
	10/6/1998	98.34	11.71	11.72	0.01	86.62	86.63	
	11/5/1998	98.34	ND	13.73		84.61	84.61	
	1/26/1999	98.34	ND	15.97		82.37	82.37	
	2/25/1999	98.34	ND	14.75		83.59	83.59	
	3/26/1999	98.34	ND	13.80		84.54	84.54	
	4/29/1999	98.34	ND	14.26		84.08	84.08	
	5/27/1999	98.34	ND	12.79		85.55	85.55	
	6/24/1999	98.34	ND	12.15		86.19	86.19	
	7/23/1999	98.34	ND	11.86		86.48	86.48	
	8/26/1999	98.34	ND	12.02		86.32	86.32	
	9/23/1999	98.34	ND	13.20		85.14	85.14	
	10/12/1999	98.34	ND	13.85		84.49	84.49	
	11/29/1999	98.34	ND	13.62		84.72	84.72	
	1/31/2000	98.34	ND	15.68		82.66	82.66	
	4/6/2000	98.34	ND	14.21		84.13	84.13	
	7/12/2000	98.34	ND	14.02		84.32	84.32	
	10/5/2000	98.34	ND	15.43		82.91	82.91	
	1/25/2001	98.34	ND	12.71		85.63	85.63	
	4/17/2001	98.34	ND	13.88		84.46	84.46	
	7/3/2001	98.34	ND	14.64		83.70	83.70	
	11/7/2001	98.34	ND	12.51		85.83	85.83	
	3/19/2002	98.34	ND	14.54		83.80	83.80	
	12/23/2002	98.34	19.63	20.05	0.42	78.29	78.63	
	2/27/2003	98.34	ND	19.98		78.36	78.36	
	4/30/2003	98.34	ND	16.11		82.23	82.23	
	6/23/2003	98.34	ND	12.33		86.01	86.01	
	7/24/2003	98.34	ND	14.16		84.18	84.18	
	8/27/2003	97.10	ND	15.69		81.41	81.41	
	10/8/2003	97.10	ND	16.39		80.71	80.71	
	11/20/2003	97.10	ND	16.54		80.56	80.56	
	2/9/2004	97.10	ND	14.91		82.19	82.19	
	3/5/2004	97.10	ND	12.85		84.25	84.25	
	5/9/2004	97.10	ND	14.00		83.10	83.10	
	6/7/2004	97.10	ND	13.72		83.38	83.38	
	7/19/2004	97.10	ND	13.70		83.40	83.40	
	8/20/2004	97.10	ND	13.11		83.99	83.99	
	10/18/2004	97.10	ND	14.70		82.40	82.40	
	4/24/2006	97.10	NM	NM				
	4/30/2007	97.10	ND	11.18		85.92	85.92	
	3/21/2008	97.10	ND	11.52		85.58	85.58	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW009	11/11/1997	99.35	ND	13.12		86.23	86.23	
	11/19/1997	99.35	ND	13.26		86.09	86.09	
	3/24/1998	99.35	ND	13.82		85.53	85.53	
	10/6/1998	99.35	11.68	11.68		87.67	87.67	
	11/5/1998	99.35	ND	12.99		86.36	86.36	
	1/26/1999	99.35	ND	14.98		84.37	84.37	
	2/25/1999	99.35	ND	14.22		85.13	85.13	
	3/26/1999	99.35	ND	13.51		85.84	85.84	
	4/29/1999	99.35	ND	13.68		85.67	85.67	
	5/27/1999	99.35	ND	12.25		87.10	87.10	
	6/24/1999	99.35	ND	11.79		87.56	87.56	
	7/23/1999	99.35	ND	11.61		87.74	87.74	
	8/26/1999	99.35	ND	11.45		87.90	87.90	
	9/23/1999	99.35	ND	12.30		87.05	87.05	
	10/12/1999	99.35	ND	12.95		86.40	86.40	
	11/29/1999	99.35	ND	12.93		86.42	86.42	
	1/31/2000	99.35	ND	14.11		85.24	85.24	
	4/6/2000	99.35	ND	13.90		85.45	85.45	
	7/12/2000	99.35	ND	13.40		85.95	85.95	
	10/5/2000	99.35	ND	14.76		84.59	84.59	
	1/25/2001	99.35	ND	12.62		86.73	86.73	
	4/17/2001	99.35	ND	13.45		85.90	85.90	
	7/3/2001	99.35	ND	14.11		85.24	85.24	
	11/7/2001	99.35	ND	12.52		86.83	86.83	
	3/19/2002	99.35	ND	14.14		85.21	85.21	
	12/23/2002	99.35	ND	19.04		80.31	80.31	
	2/27/2003	99.35	ND	19.64		79.71	79.71	
	4/30/2003	99.35	ND	15.43		83.92	83.92	
	6/23/2003	99.35	ND	12.39		86.96	86.96	
	7/28/2003	99.35	ND	13.58		85.77	85.77	
	8/27/2003	97.81	ND	14.42		83.39	83.39	
	10/8/2003	97.81	ND	15.23		82.58	82.58	
	11/20/2003	97.81	ND	15.48		82.33	82.33	
	2/9/2004	97.81	ND	14.61		83.20	83.20	
	3/5/2004	97.81	ND	13.21		84.60	84.60	
	5/6/2004	97.81	ND	13.21		84.60	84.60	
	6/7/2004	97.81	ND	13.19		84.62	84.62	
	7/19/2004	97.81	ND	12.99		84.82	84.82	
	8/19/2004	97.81	ND	12.66		85.15	85.15	
	10/15/2004	97.81	ND	13.91		83.90	83.90	
	4/24/2006	97.81	NM	NM				
	4/30/2007	97.81	ND	11.20		86.61	86.61	
	3/21/2008	97.81	ND	11.12		86.69	86.69	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW010	10/20/1997	90.76	ND	5.28		85.48	85.48	
	10/22/1997	90.76	ND	5.20		85.56	85.56	
	11/11/1997	90.76	ND	6.10		84.66	84.66	
	11/19/1997	90.76	ND	6.33		84.43	84.43	
	3/24/1998	90.76	ND	6.75		84.01	84.01	
	6/24/1999	90.76	ND	4.82		85.94	85.94	
	7/23/1999	90.76	ND	4.68		86.08	86.08	
	8/26/1999	90.76	ND	4.90		85.86	85.86	
	9/23/1999	90.76	ND	6.25		84.51	84.51	
	10/12/1999	90.76	ND	6.21		84.55	84.55	
	11/29/1999	90.76	ND	6.50		84.26	84.26	
	1/31/2000	90.76	ND	8.11		82.65	82.65	
	4/6/2000	90.76	ND	7.08		83.68	83.68	
	7/12/2000	90.76	ND	6.97		83.79	83.79	
	10/17/2000	90.76	ND	9.80		80.96	80.96	
	1/25/2001	90.76	ND	5.58		85.18	85.18	
	4/17/2001	90.76	ND	6.75		84.01	84.01	
	7/3/2001	90.76	ND	7.52		83.24	83.24	
	11/7/2001	90.76	ND	5.45		85.31	85.31	
	3/20/2002	90.76	ND	7.50		83.26	83.26	
	12/23/2002	90.76	ND	11.84		78.92	78.92	
	4/30/2003	90.76	ND	8.00		82.76	82.76	
	6/23/2003	90.76	ND	5.02		85.74	85.74	
	7/24/2003	90.76	ND	7.24		83.52	83.52	
	8/27/2003	89.63	ND	8.93		80.70	80.70	
	10/9/2003	89.63	ND	9.36		80.27	80.27	
	11/21/2003	89.63	ND	8.99		80.64	80.64	
	2/9/2004	89.63	ND	6.96		82.67	82.67	
	3/5/2004	89.63	ND	5.15		84.48	84.48	
	5/6/2004	89.63	ND	6.58		83.05	83.05	
	6/7/2004	89.63	ND	6.51		83.12	83.12	
	7/19/2004	89.63	ND	6.53		83.10	83.10	
	8/20/2004	89.63	ND	5.56		84.07	84.07	
	10/18/2004	89.63	ND	6.75		82.88	82.88	
	4/24/2006	89.63	NM	NM				
	4/30/2007	89.63	ND	3.60		86.03	86.03	
	3/21/2008	89.63	ND	4.12		85.51	85.51	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW011	10/20/1997	92.10	6.10	6.18	0.08	85.92	85.98	
	10/22/1997	92.10	5.99	6.02	0.03	86.08	86.10	
	11/11/1997	92.10	6.81	6.97	0.16	85.13	85.26	
	11/19/1997	92.10	6.97	7.10	0.13	85.00	85.10	
	3/24/1998	92.10	7.55	7.57	0.02	84.53	84.55	
	10/6/1998	92.10	5.44	5.45	0.01	86.65	86.66	
	11/5/1998	92.10	ND	7.11		84.99	84.99	
	1/26/1999	92.10	ND	9.18		82.92	82.92	
	2/25/1999	92.10	ND	8.16		83.94	83.94	
	3/26/1999	92.10	ND	7.35		84.75	84.75	
	4/29/1999	92.10	ND	7.60		84.50	84.50	
	5/27/1999	92.10	ND	6.25		85.85	85.85	
	6/24/1999	92.10	ND	5.42		86.68	86.68	
	7/23/1999	92.10	ND	5.32		86.78	86.78	
	8/26/1999	92.10	ND	5.46		86.64	86.64	
	9/23/1999	92.10	ND	6.66		85.44	85.44	
	10/12/1999	92.10	ND	7.18		84.92	84.92	
	11/29/1999	92.10	ND	7.06		85.04	85.04	
	1/31/2000	92.10	ND	8.86		83.24	83.24	
	4/6/2000	92.10	ND	7.71		84.39	84.39	
	7/12/2000	92.10	ND	7.47		84.63	84.63	
	10/5/2000	92.10	ND	8.91		83.19	83.19	
	1/25/2001	92.10	ND	6.25		85.85	85.85	
	4/17/2001	92.10	ND	7.39		84.71	84.71	
	7/3/2001	92.10	ND	8.08		84.02	84.02	
	11/7/2001	92.10	ND	6.11		85.99	85.99	
	3/19/2002	92.10	ND	8.02		84.08	84.08	
	12/23/2002	92.10	13.52	13.53	0.01	78.57	78.58	
	2/27/2003	92.10	13.50	13.51	0.01	78.59	78.60	
	4/30/2003	92.10	ND	8.80		83.30	83.30	
	6/23/2003	92.10	ND	5.93		86.17	86.17	
	7/28/2003	92.10	ND	7.87		84.23	84.23	
	8/27/2003	90.75	ND	9.46		81.29	81.29	
	10/9/2003	90.75	ND	9.93		80.82	80.82	
	11/20/2003	90.75	ND	9.62		81.13	81.13	
	2/9/2004	90.75	ND	7.88		82.87	82.87	
	3/5/2004	90.75	ND	6.24		84.51	84.51	
	5/6/2004	90.75	ND	7.28		83.47	83.47	
	6/7/2004	90.75	ND	7.23		83.52	83.52	
	7/19/2004	90.75	ND	7.18		83.57	83.57	
	8/20/2004	90.75	ND	6.39		84.36	84.36	
	10/18/2004	90.75	ND	7.53		83.22	83.22	
	4/24/2006	90.75	ND	6.63		84.12	84.12	
	4/30/2007	90.75	ND	4.52		86.23	86.23	
	3/21/2008	90.75	ND	4.89		85.86	85.86	
MW012	4/29/2003	88.31	ND	5.56		82.75	82.75	
	6/23/2003	88.31	ND	3.22		85.09	85.09	
	7/24/2003	88.31	ND	6.41		81.90	81.90	
	8/27/2003	88.31	ND	8.16		80.15	80.15	
	10/8/2003	88.31	ND	8.50		79.81	79.81	
	11/21/2003	88.31	ND	7.89		80.42	80.42	
	2/9/2004	88.31	ND	5.11		83.20	83.20	
	3/5/2004	88.31	ND	3.06		85.25	85.25	
	5/6/2004	88.31	ND	6.58		81.73	81.73	
	6/7/2004	88.31	ND	5.50		82.81	82.81	
	7/19/2004	88.31	ND	5.47		82.84	82.84	
	8/20/2004	88.31	ND	3.64		84.67	84.67	
	10/18/2004	88.31	ND	4.89		83.42	83.42	
	4/24/2006	88.31	NM	NM				
	4/30/2007	88.31	ND	2.08		86.23	86.23	
	3/25/2008	88.31	ND	2.13		86.18	86.18	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW013	4/29/2003	94.53	ND	13.53		81.00	81.00	
	6/23/2003	94.53	ND	10.11		84.42	84.42	
	7/24/2003	94.53	ND	12.64		81.89	81.89	
	8/27/2003	94.53	ND	14.37		80.16	80.16	
	10/8/2003	94.53	ND	14.97		79.56	79.56	
	11/21/2003	94.53	ND	14.68		79.85	79.85	
	2/3/2004	94.53	ND	12.69		81.84	81.84	
	3/5/2004	94.53	ND	10.16		84.37	84.37	
	5/6/2004	94.53	ND	12.04		82.49	82.49	
	6/7/2004	94.53	ND	12.06		82.47	82.47	
	7/19/2004	94.53	ND	11.96		82.57	82.57	
	8/20/2004	94.53	ND	10.95		83.58	83.58	
	10/18/2004	94.53	ND	12.48		82.05	82.05	
	4/24/2006	94.53	NM	NM				
	4/30/2007	94.53	ND	8.88		85.65	85.65	
	3/21/2008	94.53	ND	8.56		85.97	85.97	
MW014	4/29/2003	94.95	14.06	14.28	0.22	80.67	80.85	
	6/23/2003	94.95	10.92	11.19	0.27	83.76	83.98	
	7/24/2003	94.95	14.34	14.55	0.21	80.40	80.57	
	8/27/2003	94.95	16.17	16.50	0.21	78.45	78.62	
	10/9/2003	94.95	16.72	17.03	0.31	77.92	78.17	
	11/20/2003	94.95	ND	16.25		78.70	78.70	
	2/3/2004	94.95	ND	13.44		81.51	81.51	
	3/5/2004	94.95	ND	10.41		84.54	84.54	
	5/10/2004	94.95	ND	13.78		81.17	81.17	
	6/7/2004	94.95	ND	13.69		81.26	81.26	
	7/19/2004	94.95	ND	13.54		81.41	81.41	
	8/20/2004	94.95	ND	11.95		83.00	83.00	
	10/15/2004	94.95	ND	14.75		80.20	80.20	
	4/24/2006	94.95	ND	12.90		82.05	82.05	
	4/30/2007	94.95	ND	9.72		85.23	85.23	
	3/21/2008	94.95	ND	10.79		84.16	84.16	
MW14D	5/18/2007		ND	11.50				
TMW015 (Abaandoned)	4/29/2003	95.57	ND	14.50		81.07	81.07	
	6/23/2003	95.57	ND	12.15		83.42	83.42	
	7/28/2003	95.57	ND	17.15		78.42	78.42	
	8/27/2003	95.57	ND	17.78		77.79	77.79	
	10/9/2003	95.57	ND	19.13		76.44	76.44	
	11/21/2003	95.57	ND	17.47		78.10	78.10	
	2/3/2004	95.57	ND	14.32		81.25	81.25	
TMW016 (Abaandoned)	4/28/2003	95.55	ND	17.23		78.32	78.32	
	6/23/2003	95.55	ND	14.38		81.17	81.17	
	7/30/2003	95.55	ND	18.51		77.04	77.04	
	8/27/2003	95.55	ND	19.13		76.42	76.42	
	10/9/2003	95.55	ND	19.38		76.17	76.17	
	11/21/2003	95.55	ND	18.13		77.42	77.42	
	2/3/2004	95.55	ND	16.47		79.08	79.08	

Table 2

Historic Ground Water Elevations and LNAPL Thickness  
Hambert Compressor Station, Weld County, Colorado

Well ID	Date of Measurement	Reference Elevation (feet)	Depth to LNAPL (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Measured GW Elevation (feet)	Corrected GW Elevation* (feet)	Comments
MW017	4/29/2003	92.96	ND	10.99		81.97	81.97	
	6/23/2003	92.96	ND	7.88		85.08	85.08	
	7/24/2003	92.96	ND	10.80		82.16	82.16	
	8/27/2003	92.96	ND	12.69				
	10/9/2003	92.96	ND	13.35		79.61	79.61	
	11/21/2003	92.96	ND	13.08		79.88	79.88	
	2/3/2004	92.96	ND	10.58		82.38	82.38	
	3/9/2004	92.96	ND	7.25		85.71	85.71	
	5/9/2004	92.96	ND	10.61		82.35	82.35	
	6/7/2004	92.96	ND	10.36		82.60	82.60	
	7/19/2004	92.96	ND	10.18		82.78	82.78	
	8/20/2004	92.96	ND	8.77		84.19	84.19	
	10/18/2004	92.96	ND	10.81		82.15	82.15	
	4/24/2006	92.96	ND	9.81		83.15	83.15	
	4/30/2007	92.96	ND	6.94		86.02	86.02	
	3/21/2008	92.96	ND	7.71		85.25	85.25	
MW018	2/3/2004	95.00	ND	13.51		81.49	81.49	
	3/5/2004	95.00	ND	10.17		84.83	84.83	
	5/9/2004	95.00	ND	14.69		80.31	80.31	
	6/7/2004	95.00	ND	14.06		80.94	80.94	
	7/19/2004	95.00	ND	14.33		80.67	80.67	
	8/23/2004	95.00	ND	11.71		83.29	83.29	
	10/18/2004	95.00	ND	13.27		81.73	81.73	
	4/24/2006	95.00	ND	13.60		81.40	81.40	
	4/30/2007	95.00	ND	9.86		85.14	85.14	
	3/21/2008	95.00	ND	11.48		83.52	83.52	
MW019	2/3/2004	94.93	ND	15.65		79.28	79.28	
	2/10/2004	94.93				94.93	94.93	
	3/5/2004	94.93	ND	13.32		81.61	81.61	
	5/9/2004	94.93	ND	17.54		77.39	77.39	
	6/7/2004	94.93	ND	15.41		79.52	79.52	
	7/19/2004	94.93	ND	15.58		79.35	79.35	
	8/20/2004	94.93	ND	16.23		78.70	78.70	
	10/18/2004	94.93	ND	16.92		78.01	78.01	
	4/24/2006	94.93	NM	NM				
	4/28/2007	94.93	ND	13.10		81.83	81.83	
	3/21/2008	94.93	ND	12.97		81.96	81.96	

N/A - Not Applicable

ND - Not Detected

NM - Not Measured

\*Takes LNAPL into account using actual density when available or an estimated value of 0.8 mg/L.

\*\*QA of historical data revealed that incorrect measurements may have been entered.

Table 3

Historical BTEX Concentrations in Groundwater  
Hambert Compressor Station

Well ID	Sample Event Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)
MW001	3/18/1992	<0.8	<0.6	<0.78	<1.54
	3/24/1992	<0.8	<0.6	<0.78	<1.54
	11/3/1992	<0.8	<0.6	<0.78	<1.54
	6/23/1993	<0.5	<0.5	<0.5	<0.5
	12/15/1993	<0.5	<0.5	<0.5	<0.5
	6/28/1994	<0.5	<0.5	<0.5	<0.5
	12/7/1994	<0.5	<0.5	<0.5	<0.5
	5/31/1995	<0.5	<0.5	<0.5	<0.5
	1/15/1996	<0.5	<0.5	<0.5	<0.5
	7/8/1996	<0.5	<0.5	<0.5	<0.5
	1/30/1997	<0.5	<0.5	<0.5	<0.5
	7/9/1997	<0.5	<0.5	<0.5	<0.5
	1/29/1998	<0.5	<0.5	<0.5	<0.5
	10/12/1999	<0.5	<0.5	<0.5	<2
	4/7/2000	<1	<1	<1	<2
	10/17/2000	<0.5	<0.5	<0.5	<2
	4/19/2001	<0.5	<0.5	<0.5	<2
	11/10/2001	<0.5	<0.5	<0.5	<2
	3/19/2002	<1	<1	<1	<2
	5/1/2003	<0.5	<0.5	<0.5	1.2
	7/23/2003	<0.5	<0.5	<0.5	<1
	10/7/2003	<0.5	<0.5	<0.5	<1
	2/9/2004	1.2	<0.5	2.9	3
	5/10/2004	<0.5	<0.5	<0.5	12.8
	7/19/2004	<0.5	<0.5	<0.5	<0.5
	10/18/2004	<0.5	<0.5	<0.5	<0.5
	5/5/2005	<1.0	<1.0	<1.0	<1.0
MW002	3/18/1992	3	3	<0.78	7
	3/24/1992	19	16	<0.78	32
	11/3/1992	8	11	<0.78	23
	6/23/1993	17	21	0.81	27
	12/15/1993	8.8	36	<1.2	31
	6/28/1994	1	3.5	<0.5	2.5
	12/7/1994	0.25	0.72	<0.5	0.86
	5/31/1995	6.6	140	<0.5	300
	1/15/1996	0.25	95	<0.5	200
	7/8/1996	0.6	85	<1.2	140
	1/30/1997	0.25	15	<0.5	16
	7/9/1997	52	21	<0.5	160
	1/29/1998	0.5	75	<1	120
	10/12/1999	0.25	62	3.5	66
	4/7/2000	110	68	<5	89
	10/17/2000	3	63	4.1	74
	4/19/2001	0.25	88	8.9	120
	11/10/2001	1.8	75	7.4	86
	3/19/2002	1.18	46.5	<1	31.29
	4/30/2003	FP	FP	FP	FP
	7/23/2003	51.1	58.5	<50	210
	10/8/2003	170	<50	<50	158
	10/15/2004	0.25	31.5	<0.5	70.1
	3/21/2008	16	3.3	<5.0	2.8

NOTES:

All "&lt;" values were less than the Lab Detection Limit.

FP - Not sampled - free product present in well.

Table 3

Historical BTEX Concentrations in Groundwater  
Hambert Compressor Station

Well ID	Sample Event Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)
MW003	3/18/1992	2300	600	3600	7000
	3/24/1992	1700	100	1600	2700
	11/3/1992	250	<0.6	370	870
	6/23/1993	860	98	700	1500
	12/15/1993	570	75	130	790
	6/28/1994	79	22	23	300
	12/7/1994	840	160	130	1900
	5/31/1995	350	74	55	770
	1/15/1996	190	76	25	630
	7/8/1996	120	48	12	420
	1/30/1997	33	24	4.5	250
	7/9/1997	0.25	45	<0.5	79
	1/29/1998	120	91	9.5	670
	10/13/1999	50	6.7	<0.5	790
	4/7/2000	29	87	<5	780
	10/17/2000	130	220	54	2200
	4/19/2001	66	120	7.3	950
	11/10/2001	6.5	64	8.7	520
	3/20/2002	5.58	21	<1	95.9
	5/1/2003	25	72.7	<50	949
	6/13/2003	2.5	30.6	<5	446
	7/24/2003	16.65	43.6	<33.3	441.1
	10/7/2003	12.1	97.5	<5	770.9
	10/15/2004	9.6	79.7	<1	536.1
	3/21/2008	1.3	1.6	<5.0	2.4
MW004	6/23/1993	14	<0.5	0.52	27
	12/15/1993	0.25	<0.5	<0.5	0.94
	6/28/1994	0.75	<0.5	<0.5	0.88
	12/7/1994	0.25	<0.5	<0.5	<0.5
	5/31/1995	2.7	<0.5	<0.5	3.5
	1/15/1996	4.9	1.4	<0.5	4.8
	7/8/1996	0.62	<0.5	<0.5	<0.5
	1/30/1997	0.25	<0.5	<0.5	<0.5
	7/9/1997	0.73	<0.5	<0.5	0.95
	1/29/1998	9.9	12	<0.5	51
	10/13/1999	37	27	<0.5	160
	4/7/2000	0.5	<1	<1	<2
	10/17/2000	0.25	<0.5	<0.5	<2
	4/19/2001	5	6	<0.5	24
	11/10/2001	2.7	0.7	<0.5	2.1
	3/20/2002	0.5	<1	<1	<2
	4/30/2003	FP	FP	FP	FP
	6/13/2003	34.4	62.4	<10	831.5
	7/24/2003	5.7	17	<5	197.5
	10/8/2003	2.5	7.6	<5	83.8
	10/15/2004	0.25	<0.5	<0.5	<0.5
	3/21/2008	6	3.3	<5.0	8.5

NOTES:

All "&lt;" values were less than the Lab Detection Limit.

FP - Not sampled - free product present in well.



Table 3

Historical BTEX Concentrations in Groundwater  
Hambert Compressor Station

Well ID	Sample Event Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)
MW005	6/23/1993	<0.5	0.61	<0.5	<0.5
	12/15/1993	<0.5	<0.5	<0.5	<0.5
	6/28/1994	<0.5	<0.5	<0.5	<0.5
	12/7/1994	<0.5	<0.5	<0.5	<0.5
	5/31/1995	<0.5	<0.5	<0.5	<0.5
	1/15/1996	<0.5	<0.5	<0.5	<0.5
	7/8/1996	<0.5	<0.5	<0.5	<0.5
	1/30/1997	<0.5	<0.5	<0.5	<0.5
	7/9/1997	<0.5	<0.5	<0.5	<0.5
	1/29/1998	<0.5	<0.5	<0.5	0.77
	10/12/1999	<0.5	<0.5	<0.5	<2
	4/7/2000	<1	<1	<1	<2
	10/17/2000	<0.5	<0.5	<0.5	<2
	4/19/2001	<0.5	<0.5	0.6	<2
	11/10/2001	<0.5	<0.5	<0.5	<2
	3/20/2002	<1	<1	<1	<2
	5/1/2003	<0.5	<0.5	<0.5	1
	10/8/2003	<0.5	<0.5	<0.5	<1
	5/10/2004	<0.5	<0.5	<0.5	<0.5
	10/15/2004	<0.5	<0.5	<0.5	<0.5
	5/5/2005	<1.0	<1.0	<1.0	<1.0
	3/21/2008	<0.50	3.3	<5.0	<1.5
MW006	6/23/1993	150	4.6	<2.5	46
	12/15/1993	220	<6	<6	<6
	6/28/1994	460	7.1	<5	34
	12/7/1994	120	<1.2	<1.2	1.4
	5/31/1995	140	2.5	<1.2	11
	1/15/1996	76	1.5	<1	2.2
	7/8/1996	350	7	<5	14
	1/30/1997	140	4.1	<2.5	2.9
	7/9/1997	38	<2.5	<2.5	<2.5
	1/29/1998	17	1.6	<0.5	1.8
	10/12/1999	4.1	<0.5	<0.5	<2
	4/7/2000	21	1.8	<1	<2
	10/17/2000	60	5.5	<0.5	4.6
	4/19/2001	8.9	0.9	<0.5	<2
	11/10/2001	10	<0.5	<0.5	<2
	3/20/2002	0.5	<1	<1	<2
	4/30/2003	FP	FP	FP	FP
	6/13/2003	147	<10	<10	18.6
	7/23/2003	98	6.1	5.2	86.2
	10/7/2003	114	13.1	<5	75.9
	5/6/2004	45.1	7.3	<0.5	72.1
	10/15/2004	0.25	<0.5	<0.5	<0.5
	5/5/2005	0.5	<1.0	<1.0	<1.0
	3/21/2008	0.25	<0.50	<5.0	<1.5
MW007	3/25/1998	240	120	<6.2	1000
	10/13/1999	0.25	<0.5	<0.5	40
	4/7/2000	46	100	<10	860
	10/17/2000	23	42	6.8	330
	4/19/2001	33	75	<1	650
	11/10/2001	43	39	<1	330
	3/19/2002	1.48	4.32	<1	30.3
	4/30/2003	FP	FP	FP	FP
	7/28/2003	249	136	<100	1180
	10/9/2003	159	253	<10	1951
	2/9/2004	83	258.7	<0.5	2663.5
	5/10/2004	91.1	41	<1	1553
	7/19/2004	48	8.3	<0.5	1321.1
	10/18/2004	83.5	149.5	<5	1499.6
	5/5/2005	12	4.6	<1	713.6

## NOTES:

All "&lt;" values were less than the Lab Detection Limit.

FP - Not sampled - free product present in well.

Table 3

Historical BTEX Concentrations in Groundwater  
Hambert Compressor Station

Well ID	Sample Event Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)
MW008	3/25/1998	290	89	<10	790
	10/13/1999	0.25	<0.5	<0.5	<2
	4/7/2000	870	280	<25	2900
	10/17/2000	700	210	6	2100
	4/19/2001	790	260	5.4	2700
	11/10/2001	37	210	6.7	1600
	3/19/2002	1400	228	0.26	1426
	5/8/2002	356	181	1.21	1231
	4/30/2003	395	170	<100	2683
	7/24/2003	56.5	244	<10	197
	10/8/2003	13.9	137	<10	344
	2/9/2004	47.5	221.3	<0.5	557.3
	5/9/2004	6.5	44.5	<0.5	27.8
	7/19/2004	9.7	47.7	<0.5	174.8
	10/18/2004	50.3	88.7	<1	742.4
MW009	5/5/2005	27.6	96	<1	435.2
	3/21/2008	13	18	<5.0	91
	3/25/1998	1400	240	<25	2300
	10/13/1999	75	<0.5	<0.5	390
	4/7/2000	150	130	<10	1300
	10/17/2000	22	10	<0.5	100
	4/19/2001	56	27	<0.5	270
	11/10/2001	18	12	0.9	94
	3/19/2002	6.69	2.66	<1	23.79
	4/30/2003	470	315	<100	2865
	7/28/2003	130	147	<100	1185
	10/8/2003	35.4	192	<5	655
	10/15/2004	93.6	128.6	<5	827.1
	3/21/2008	71	20	<25	97
	3/25/1998	0.25	<0.5	<0.5	0.52
MW010	10/12/1999	0.25	<0.5	<0.5	<2
	4/7/2000	0.5	<1	<1	<2
	10/17/2000	0.25	<0.5	<0.5	<2
	4/19/2001	0.25	<0.5	<0.5	<2
	11/10/2001	0.25	<0.5	<0.5	<2
	3/20/2002	0.5	<1	<1	0.36
	4/30/2003	64.2	316	<100	352
	10/9/2003	0.5	1.7	<1	4.2
	3/21/2008	9.9	0.55	<5.0	<1.5
MW011	10/12/1999	300	240	130	2100
	4/7/2000	210	280	150	2500
	10/17/2000	250	210	72	2100
	4/19/2001	150	140	29	1500
	11/10/2001	110	110	7.2	1000
	3/19/2002	1.25	0.58	<1	4.92
	4/30/2003	85	264	<100	3189
	7/28/2003	50	215	<100	2926
	10/9/2003	68.9	341	<5	3123
	2/9/2004	60.2	322.4	1.5	3366
	5/6/2004	54.6	71.7	<5	2339.8
	7/19/2004	46.5	2.3	<5	2172.8
	10/18/2004	72.7	270.1	<5	2600.3
	5/5/2005	52.8	67.2	2	1769.7
	4/24/2006	66.2	287.7	<0.5	1004.1
	4/30/2007	33.5	3.5	382.8	1373.9
	3/21/2008	170	200	<5.0	580

## NOTES:

All "<" values were less than the Lab Detection Limit.

FP - Not sampled - free product present in well.

Table 3

Historical BTEX Concentrations in Groundwater  
Hambert Compressor Station

Well ID	Sample Event Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)
MW012	4/29/2003	<0.5	<0.5	<0.5	<1
	7/24/2003	<0.5	<0.5	<0.5	<1
	10/8/2003	<5	<5	<5	<10
	2/9/2004	<0.5	<0.5	<0.5	0.6
	5/6/2004	<0.5	<0.5	<0.5	<0.5
	7/19/2004	<0.5	<0.5	<0.5	<0.5
	10/18/2004	<1	<1	<1	<1
MW013	5/5/2005	<1	<1	<1	1.7
	4/29/2003	655	142	96.7	1466
	7/24/2003	1140	2230	253	966
	10/8/2003	1480	383	<100	3675
	2/3/2004	969.5	262.3	0.9	2410.2
	5/6/2004	2278.2	513.3	<5	4726.9
	7/19/2004	46.5	2.3	<5	2172.8
	10/18/2004	1252.4	305.4	<5	3552.3
MW014	5/5/2005	1208.7	100.7	<5	3102.8
	3/21/2008	1200	330	<50	2600
	4/29/2003	FP	FP	FP	FP
	7/24/2003	FP	FP	FP	FP
	10/9/2003	FP	FP	FP	FP
	5/10/2004	37.3	<0.5	<0.5	<0.5
	10/15/2004	1563.7	17.9	<5	13780.1
	4/24/2006	199.8	221.6	<0.5	789.2
MW017	4/30/2007	10.1	<0.5	162.9	547.3
	3/21/2008	170	89	<5.0	310
	4/29/2003	<0.5	<0.5	<0.5	<1
	7/24/2003	<0.5	<0.5	<0.5	<1
	10/9/2003	<5	<5	<5	<10
	2/3/2004	1.5	0.6	<0.5	5.1
	5/9/2004	<0.5	<0.5	<0.5	<0.5
	7/19/2004	<0.5	<0.5	<0.5	<0.5
MW017	10/18/2004	<1	<1	<1	<1
	5/5/2005	<1	<1	<1	<1
	4/24/2006	<0.5	<0.5	<0.5	<0.5
	4/30/2007	<0.5	<0.5	<0.5	<0.5
	3/21/2008	0.53	<0.50	<5.0	3.8
TMW15 (Abandoned)	4/29/2003	<50	<50	<50	143.6
	7/28/2003	65.6	<10	<10	113.7
	10/9/2003	<1	<1	<1	11.1
	2/3/2004	1.5	0.7	<0.5	9.7
TMW16 (Abandoned)	7/30/2003	<0.5	<0.5	<0.5	<1
	10/9/2003	<0.5	<0.5	<0.5	<1
MW18	2/3/2004	0.5	<0.5	<0.5	5.8
	5/9/2004	<0.5	<0.5	<0.5	<0.5
	7/19/2004	<0.5	<0.5	<0.5	<0.5
	10/18/2004	<0.5	<0.5	<0.5	<0.5
	5/5/2005	<1	<1	<1	<1
	4/24/2006	1.3	0.5	<0.5	1.2
	4/30/2007	<0.5	0.5	<0.5	8.2
MW19	2/10/2004	<0.5	<0.5	<0.5	<0.5
	5/9/2004	<0.5	<0.5	<0.5	<0.5
	10/18/2004	<1	<1	<1	<1
	5/5/2005	<1	<1	<1	<1
	3/21/2008	0.57	<0.50	<5.0	5.2

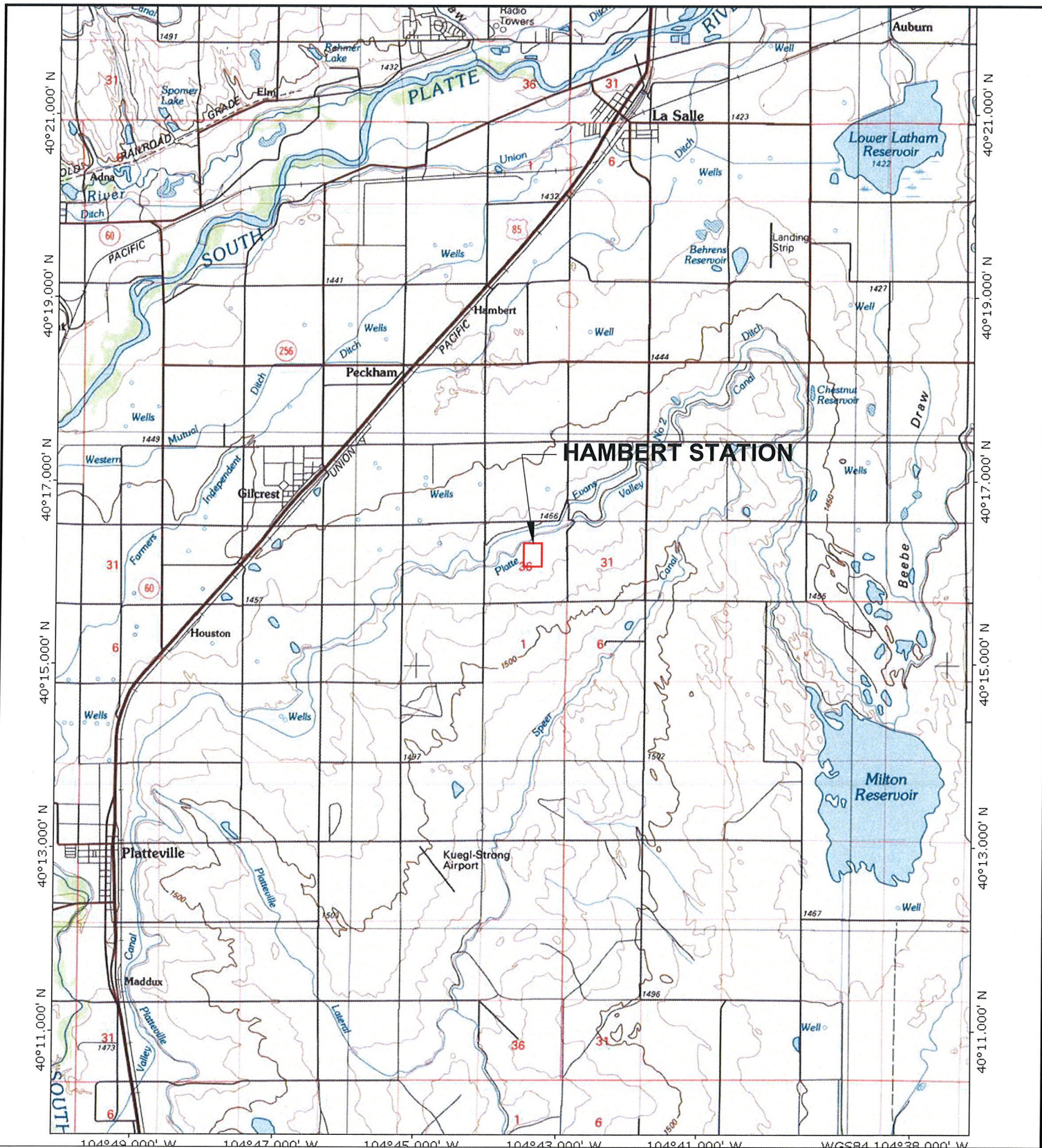
NOTES:

All "&lt;" values were less than the Lab Detection Limit.

FP - Not sampled - free product present in well.

## FIGURES





Map from TOPO! (c) 2000 National Geographic Holdings

VICINITY MAP

SECTION 36  
T4N-R66W

0 4400 8800 17,600



SCALE IN FEET  
1" = 8800'



CLIENT/PROJECT:

**PAN ENERGY CORP  
HAMBERT STATION  
COGCC REMEDIATION NO. 18  
Section 36, T.4 N, R.66 W.  
WELD COUNTY, COLORADO**

TITLE:

**SITE LOCATION MAP**



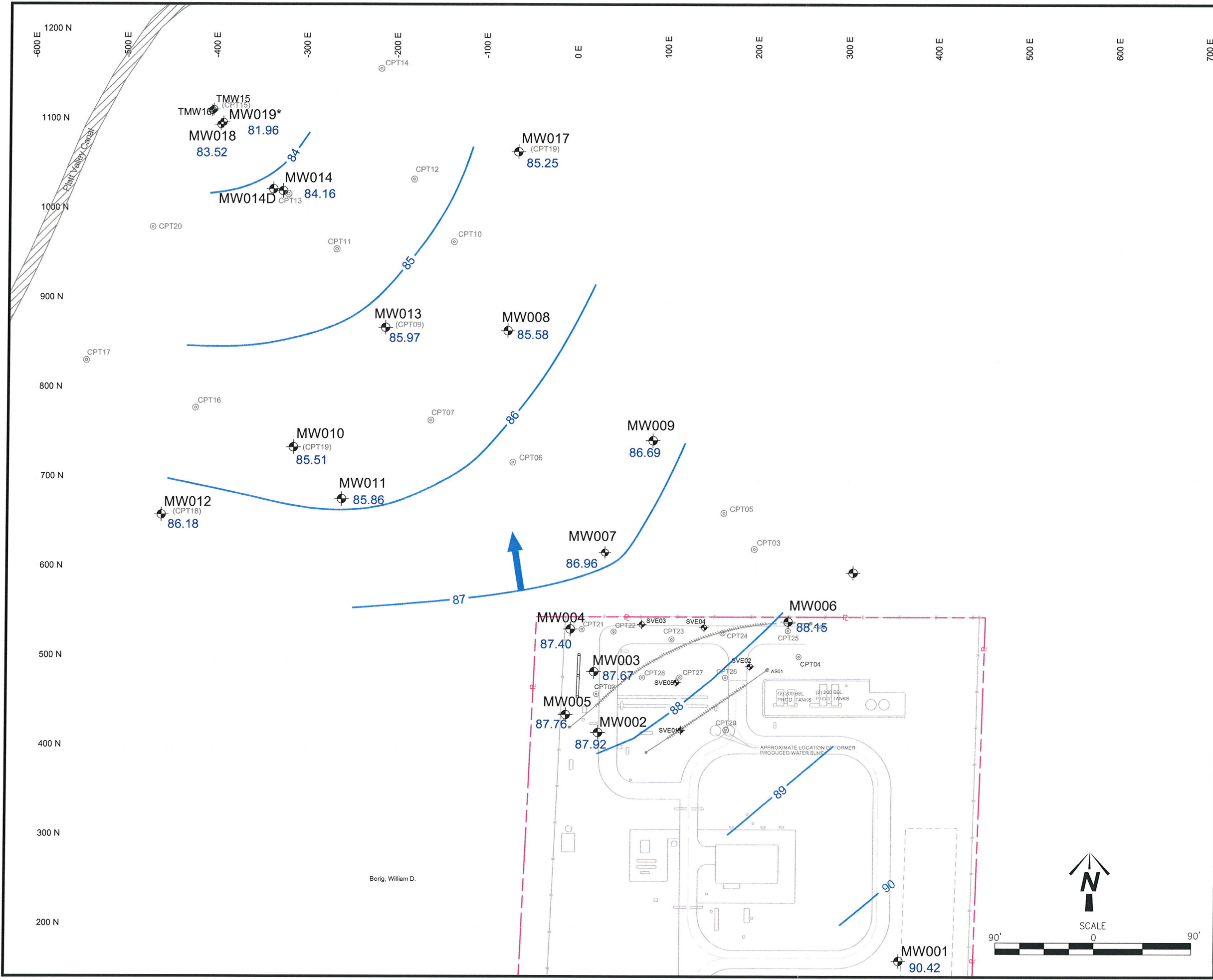
7761 Shaffer Parkway  
Suite 100  
Littleton, CO 80127  
Phone 303-792-5555

DRAWN BY:	KS	DATE:	06/25/08
REVIEWED BY:	MF	PROJECT NO.:	105521
APPROVED BY:	SR	FILE:	Fig 1 Loc Map

FIGURE:

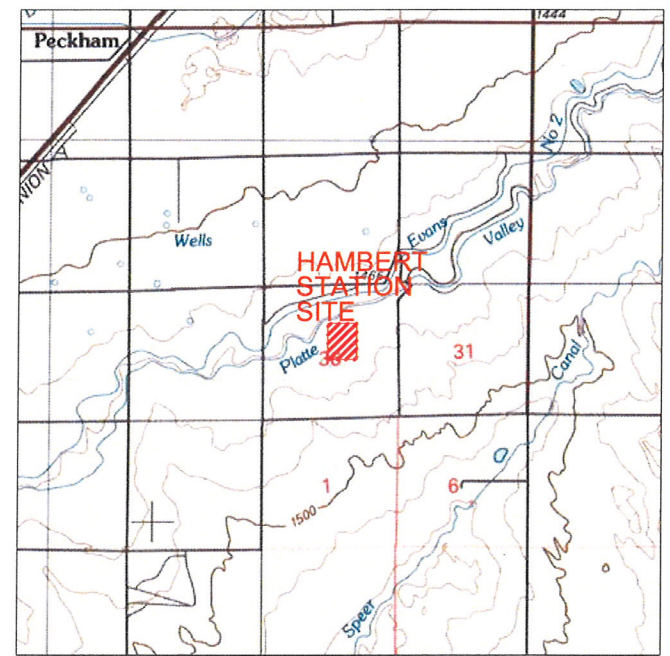
**1**





**LEGEND**


- MW001 MONITORING WELL LOCATION
- 90.42 GROUND WATER ELEVATION (MARCH 2008)
- SVE04 SOIL VAPOR EXTRACTION WELL
- CPT25 CPT PROBE
- HORIZONTAL AIR SPARGE WELL
- Slotted Pipe Solid Pipe
- PROPERTY LINE
- APPROXIMATE PARCEL BOUNDARY
- FENCE
- BUILDING, STRUCTURE OR EQUIPMENT
- FORMER LANDFARM AREA
- POTENTIOMETRIC SURFACE (MARCH 2008)
- GROUND WATER FLOW DIRECTION
- MW019\* WELL NOT USED IN CONTOURING

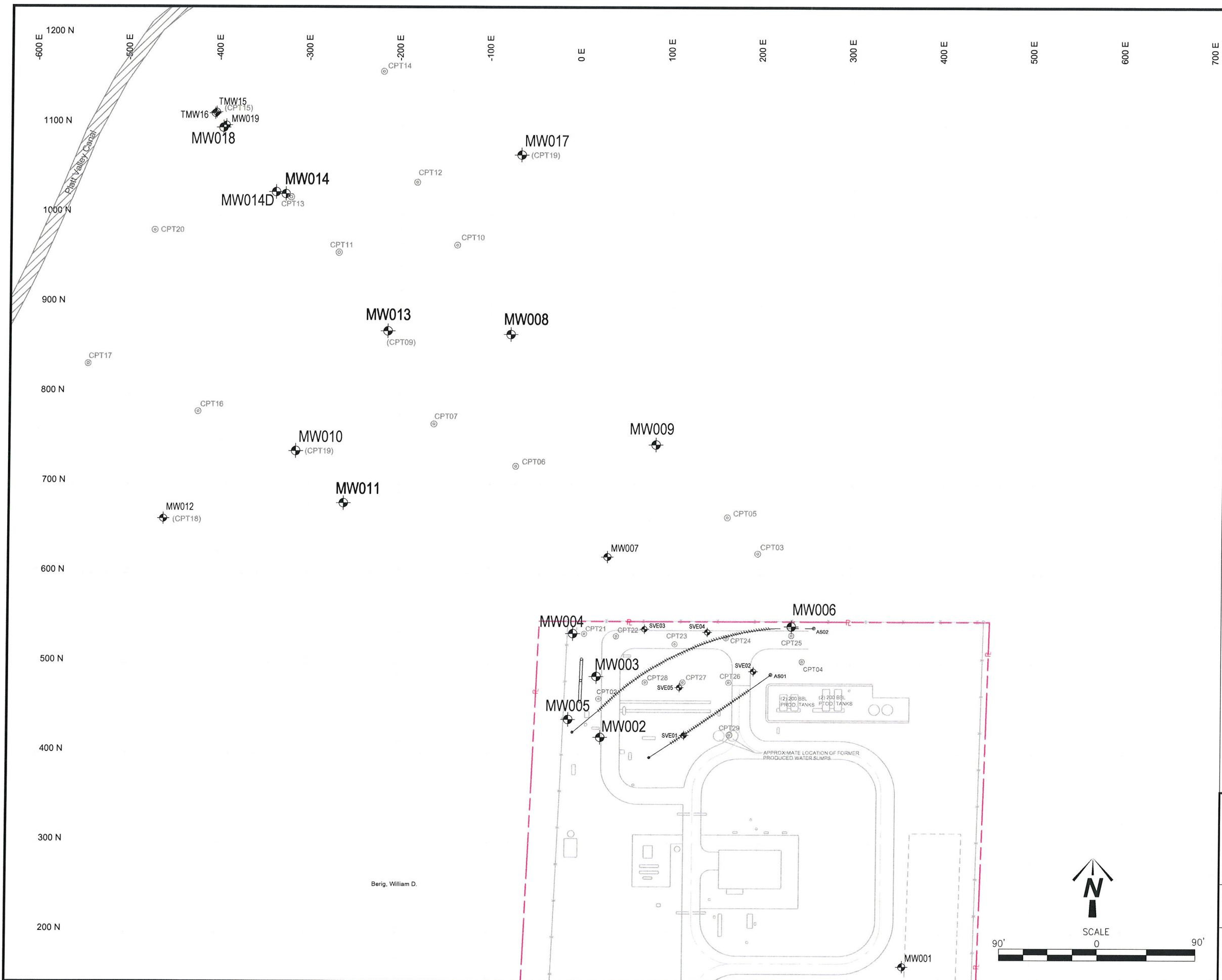


Map from TOPO! (c) 2000 National Geographic Holdings

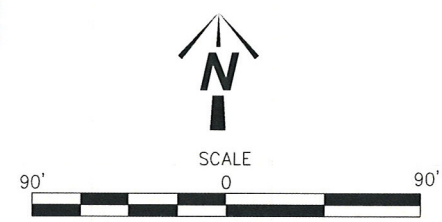
VICINITY MAP  
SECTION 36  
T4N-R66W

NOTE: THIS SITE MAP DEVELOPED FROM WALSH ENVIRONMENTAL SCIENTISTS AND ENGINEERS BASE MAP. SCANNED BY DDS INC. JANUARY 2002.

CLIENT/PROJECT:		PAN ENERGY CORP HAMBERT STATION COGCC REMEDIATION NO. 18 Section 36, T.4 N, R.66 W WELD COUNTY, COLORADO		
TITLE:		POTENTIOMETRIC SURFACE WITH WATER LEVEL ELEVATIONS		
	7761 Shaffer Parkway Suite 100 Littleton, CO 80127 Phone 303-792-5555	DRAWN BY:	KS	DATE: 06/25/08
		REVIEWED BY:	MF	PROJECT NO.: 105521
		APPROVED BY:	SR	FILE: HMB 2008 Pot Surf.
		FIGURE:		2

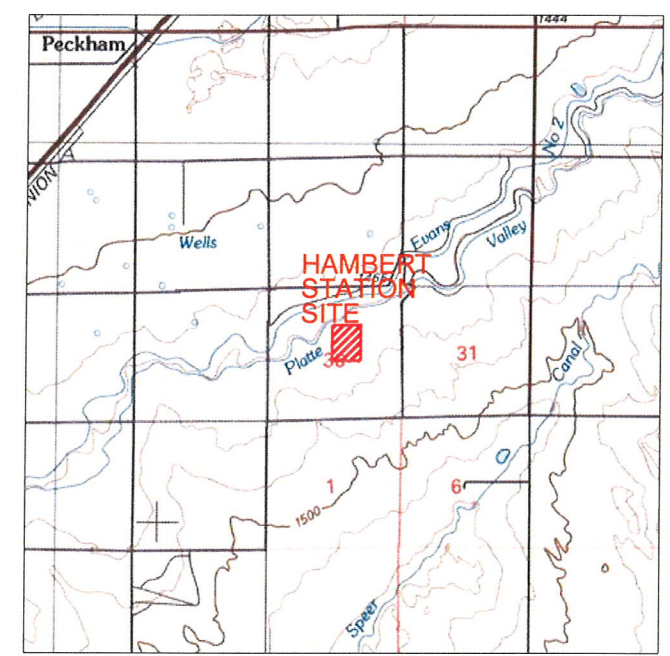


Berig, William D.



LEGEND


- MW002 MONITORING WELL TO BE SAMPLED
- MW001 MONITORING WELL
- SVE04 SOIL VAPOR EXTRACTION WELL
- CPT25 CPT PROBE
- HORIZONTAL AIR SPARGE WELL
- Slotted Pipe Solid Pipe
- PROPERTY LINE
- APPROXIMATE PARCEL BOUNDARY
- FENCE
- BUILDING, STRUCTURE OR EQUIPMENT
- FORMER LANDFARM AREA



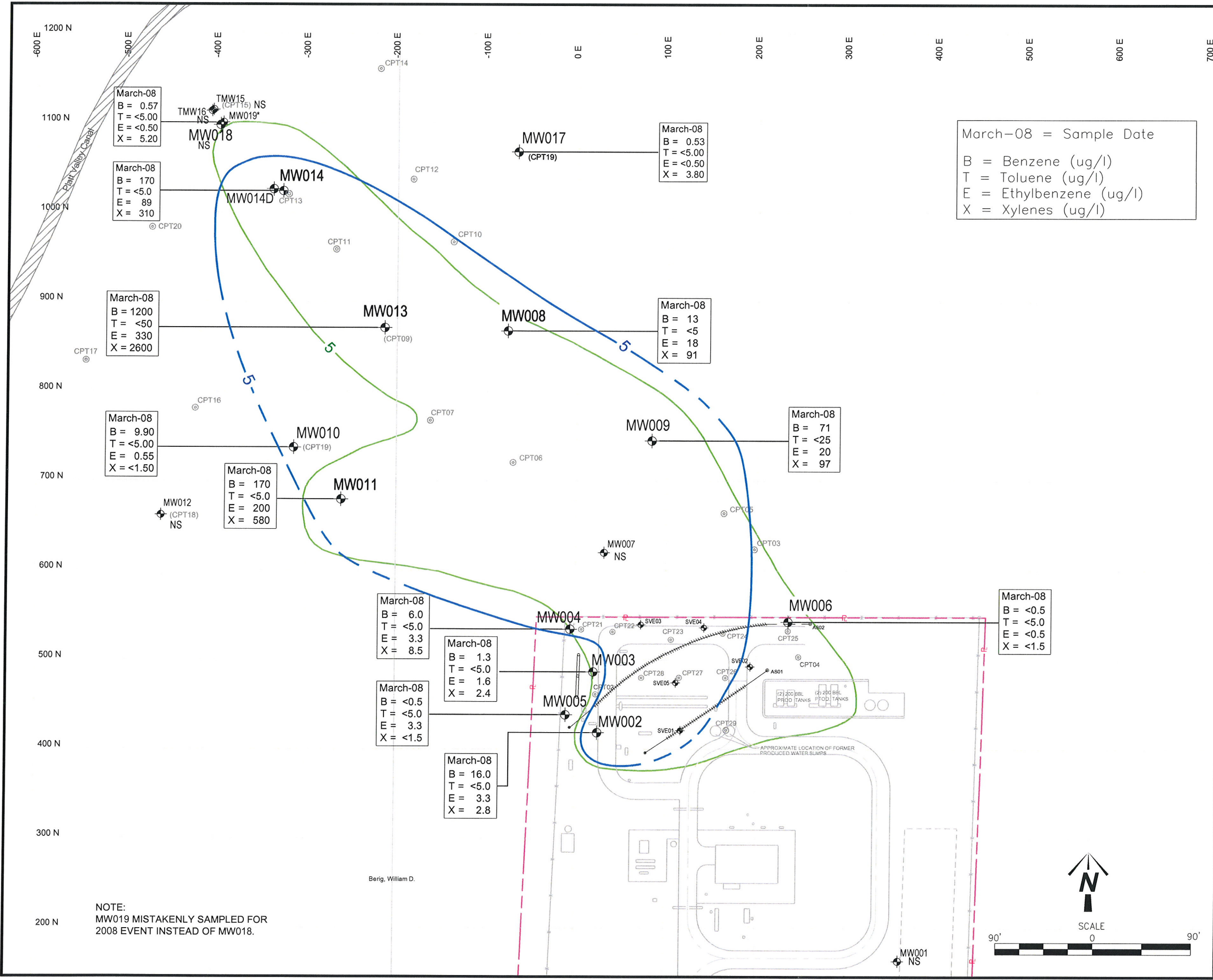
Map from TOPO! (c) 2000 National Geographic Holdings

VICINITY MAP  
SECTION 36  
T4N-R66W

NOTE: THIS SITE MAP DEVELOPED FROM WALSH ENVIRONMENTAL SCIENTISTS AND ENGINEERS BASE MAP. SCANNED BY DDS INC. JANUARY 2002.

CLIENT/PROJECT:		PAN ENERGY CORP HAMBERT STATION COGCC REMEDIATION NO. 18 Section 36, T.4 N, R.66 W WELD COUNTY, COLORADO	
TITLE:		2008 WATER QUALITY SAMPLING WELLS	
	7761 Shaffer Parkway Suite 100 Littleton, CO 80127 Phone 303-792-5555	DRAWN BY: KS REVIEWED BY: MF APPROVED BY: SR	DATE: 06/25/08 PROJECT NO.: 105521 FILE: HMB 2008 Sampling
			FIGURE: 3





**LEGEND**

- MW002: MONITORING WELL SAMPLED - 2008
- MW001: MONITORING WELL NOT SAMPLED - 2008
- SVE04: SOIL VAPOR EXTRACTION WELL
- CPT25: CPT PROBE
- Horizontal Air Sparge Well: Slotted Pipe, Solid Pipe
- NS: NOT SAMPLED
- Property Line
- Approximate Parcel Boundary
- Fence
- Building, Structure or Equipment
- Former Landfarm Area
- 2004 Benzene Isoconcentration Contours (ug/l)
- 2008 Benzene Isoconcentration Contours (ug/l) (Dashed where inferred)

**VICINITY MAP**

Map from TOPO (c) 2000 National Geographic Holdings

SECTION 36  
T4N-R66W

NOTE: THIS SITE MAP DEVELOPED FROM WALSH ENVIRONMENTAL SCIENTISTS AND ENGINEERS BASE MAP. SCANNED BY DDS INC. JANUARY 2002.

CLIENT/PROJECT: **PAN ENERGY CORP  
HAMBERT STATION  
COGCC REMEDIATION NO. 18  
Section 36, T.4 N, R.66 W  
WELD COUNTY, COLORADO**

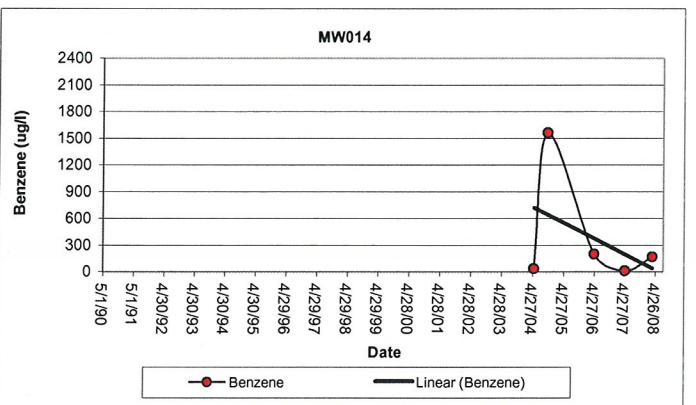
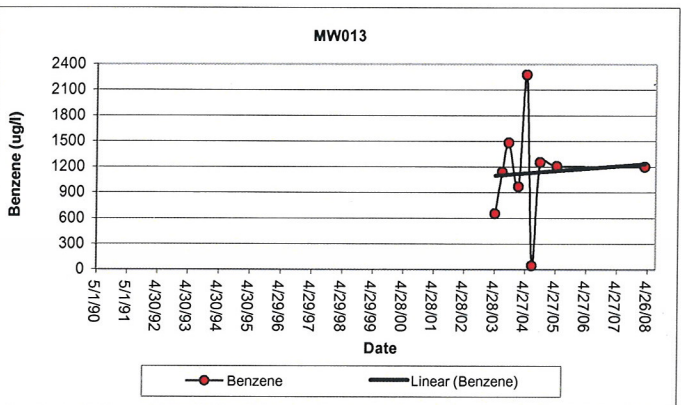
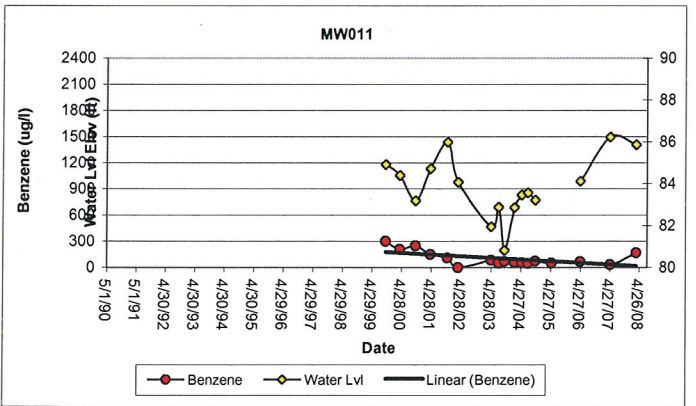
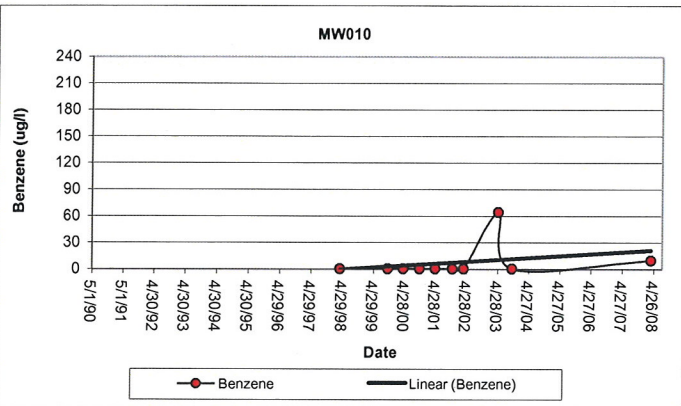
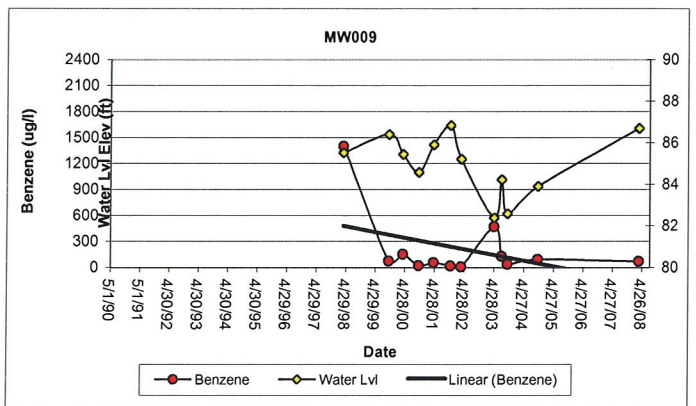
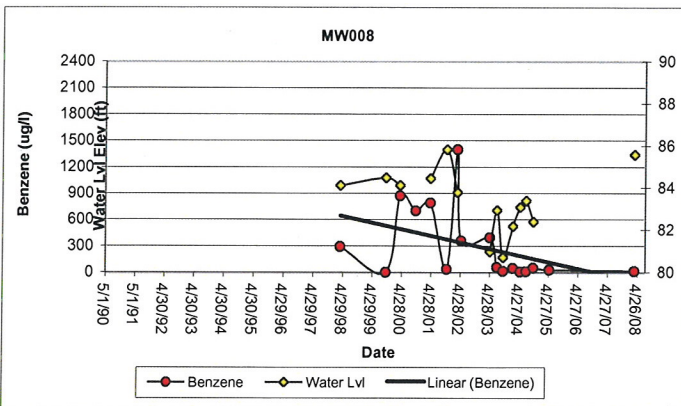
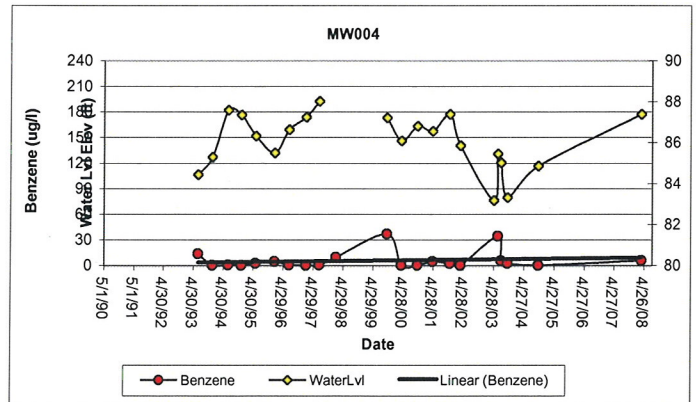
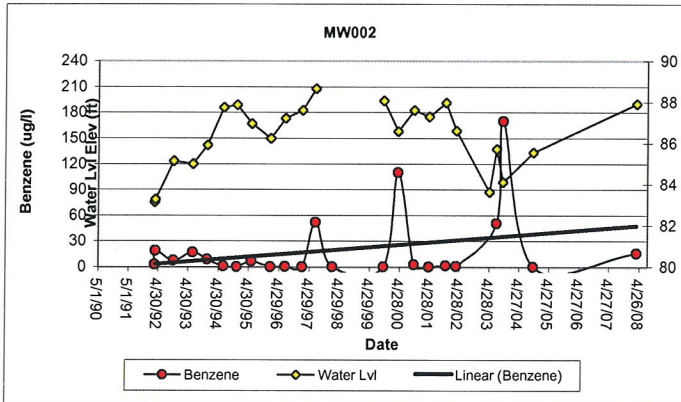
TITLE: **CURRENT AND HISTORICAL BENZENE PLUMES,  
CURRENT LNAPL THICKNESS, AND CURRENT  
DISSOLVED-PHASE BTEX CONCENTRATIONS**

	7761 Shaffer Parkway Suite 100 Littleton, CO 80127 Phone 303-792-5555	DRAWN BY: KS	DATE: 06/25/08	<b>FIGURE: 4</b>
		REVIEWED BY: MF	PROJECT NO.: 105521	
		APPROVED BY: SR	FILE: 2008 Sampling Results.dwg	



## GRAPHS

Graph 1  
Dissolved-Phase Benzene vs. Time Graphs  
Hambert Compressor Station  
Weld County, Colorado



## APPENDIX A



ENVIRONMENTAL  
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Est. 1970

APR 07 2008

TRC

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100

Littleton, CO 80127

Report Summary

Thursday April 03, 2008

Report Number: L338245

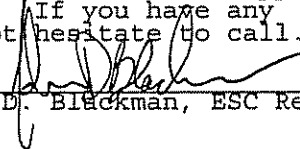
Samples Received: 03/27/08

Client Project: 105521-0000-09002

Description: Yellow Creek

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

  
John D. Blackman, ESC Representative

*Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW007-WN-20

Collected By : Mike Furtaw  
Collection Date : 03/19/08 11:00

ESC Sample # : L338245-01

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	03/30/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/30/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/30/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/30/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	98.5		% Rec.	8021B	03/30/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW011-WN-21

Collected By : Mike Furtaw  
Collection Date : 03/19/08 08:50

ESC Sample # : L338245-02

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	1.2	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	0.028	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	0.17	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	87.0		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW003-WN-10

Collected By : Mike Furtaw  
Collection Date : 03/19/08 15:45

ESC Sample # : L338245-03

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	3.7	0.025	mg/l	8021B	04/01/08	50
Toluene	0.88	0.25	mg/l	8021B	04/01/08	50
Ethylbenzene	0.20	0.025	mg/l	8021B	04/01/08	50
Total Xylene	1.8	0.075	mg/l	8021B	04/01/08	50
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	04/01/08	50

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Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW004-WN-07

Collected By : Mike Furtaw  
Collection Date : 03/19/08 14:20

ESC Sample # : L338245-04

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.48	0.0050	mg/l	8021B	04/01/08	10
Toluene	BDL	0.050	mg/l	8021B	04/01/08	10
Ethylbenzene	0.18	0.0050	mg/l	8021B	04/01/08	10
Total Xylene	2.9	0.015	mg/l	8021B	04/01/08	10
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021B	04/01/08	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW005-WN-09

Collected By : Mike Furtaw  
Collection Date : 03/19/08 15:00

ESC Sample # : L338245-05

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	1.2	0.00050	mg/l	8021B	04/01/08	1
Toluene	0.17	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.060	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.29	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	104.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW007-WN-09

Collected By : Mike Furtaw  
Collection Date : 03/19/08 13:35

ESC Sample # : L338245-06

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0034	0.00050	mg/l	8021B	04/02/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/02/08	1
Ethylbenzene	0.00053	0.00050	mg/l	8021B	04/02/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/02/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	95.9		% Rec.	8021B	04/02/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW003-WN-12

Collected By : Mike Furtaw  
Collection Date : 03/21/08 14:30

ESC Sample # : L338245-07

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0013	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.0016	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0024	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	105.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW004-WN-11

Collected By : Mike Furtaw  
Collection Date : 03/21/08 15:10

ESC Sample # : L338245-08

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0060	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.0033	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0085	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW005-WN-10

Collected By : Mike Furtaw  
Collection Date : 03/21/08 15:45

ESC Sample # : L338245-09

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	104.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW010-WN-04

Collected By : Mike Furtaw  
Collection Date : 03/21/08 13:30

ESC Sample # : L338245-10

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0099	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.00055	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW011-WN-05

Collected By : Mike Furtaw  
Collection Date : 03/21/08 12:45

ESC Sample # : L338245-11

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.17	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.20	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.58	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	96.6		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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Est. 1970

REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW014-WN-10

Collected By : Mike Furtaw  
Collection Date : 03/21/08 12:00

ESC Sample # : L338245-12

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.17	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.089	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.31	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	97.6		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :  
Sample ID : HMB-0803MW018-WN-10  
Collected By : Mike Furtaw  
Collection Date : 03/21/08 11:05

ESC Sample # : L338245-13

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00057	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0052	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene(PID)	91.1		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW002-WN-28

Collected By : Mike Furtaw  
Collection Date : 03/18/08 12:00

ESC Sample # : L338245-14

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0030	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW006-WN-27

Collected By : Mike Furtaw  
Collection Date : 03/18/08 10:00

ESC Sample # : L338245-15

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0015	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	0.0051	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	0.022	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW008-WN-11

Collected By : Mike Furtaw  
Collection Date : 03/20/08 13:45

ESC Sample # : L338245-16

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	8.2	0.025	mg/l	8021B	04/02/08	50
Toluene	BDL	0.25	mg/l	8021B	04/02/08	50
Ethylbenzene	0.38	0.025	mg/l	8021B	04/02/08	50
Total Xylene	4.4	0.075	mg/l	8021B	04/02/08	50
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	90.3		% Rec.	8021B	04/02/08	50

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

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TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW009-WN-13

Collected By : Mike Furtaw  
Collection Date : 03/20/08 11:45

ESC Sample # : L338245-17

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	5.7	0.012	mg/l	8021B	04/02/08	25
Toluene	0.41	0.12	mg/l	8021B	04/02/08	25
Ethylbenzene	0.39	0.012	mg/l	8021B	04/02/08	25
Total Xylene	4.7	0.038	mg/l	8021B	04/02/08	25
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	91.6		% Rec.	8021B	04/02/08	25

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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## REPORT OF ANALYSIS

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IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW010-WN-11

Collected By : Mike Furtaw  
Collection Date : 03/20/08 13:05

ESC Sample # : L338245-18

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00073	0.00050	mg/l	8021B	04/02/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/02/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/02/08	1
Total Xylene	0.0047	0.0015	mg/l	8021B	04/02/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	92.4		% Rec.	8021B	04/02/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :  
Sample ID : VLL-0803MW013-WN-16  
Collected By : Mike Furtaw  
Collection Date : 03/20/08 10:40

ESC Sample # : L338245-19  
Site ID :  
Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	5.3	0.025	mg/l	8021B	04/02/08	50
Toluene	1.9	0.25	mg/l	8021B	04/02/08	50
Ethylbenzene	0.35	0.025	mg/l	8021B	04/02/08	50
Total Xylene	3.8	0.075	mg/l	8021B	04/02/08	50
Surrogate Recovery (77-118)						
a,a,a-Trifluorotoluene (PID)	91.5		% Rec.	8021B	04/02/08	50

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW015-WN-16

Collected By : Mike Furtaw  
Collection Date : 03/20/08 15:00

ESC Sample # : L338245-20

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/02/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/02/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/02/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/02/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	90.6		% Rec.	8021B	04/02/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803TB001-WN-00

Collected By : Mike Furtaw  
Collection Date : 03/18/08 10:00

ESC Sample # : L338245-21

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Attachment A  
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L338245-02	Benzene	E
L338245-05	Benzene	E
L338245-11	Total Xylene	E
L338245-19	Benzene	J6

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAP. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338245

April 03, 2008

Analyte	Result	Laboratory Blank		Date Analyzed	Batch
		Units			
Benzene	< .0005	mg/l		03/29/08 15:01	WG352725
Ethylbenzene	< .0005	mg/l		03/29/08 15:01	WG352725
Toluene	< .005	mg/l		03/29/08 15:01	WG352725
Total Xylene	< .0015	mg/l		03/29/08 15:01	WG352725
Benzene	< .0005	mg/l		03/30/08 19:43	WG352839
Ethylbenzene	< .0005	mg/l		03/30/08 19:43	WG352839
Toluene	< .005	mg/l		03/30/08 19:43	WG352839
Total Xylene	< .0015	mg/l		03/30/08 19:43	WG352839
Benzene	< .0005	mg/l		04/01/08 00:16	WG352924
Ethylbenzene	< .0005	mg/l		04/01/08 00:16	WG352924
Toluene	< .005	mg/l		04/01/08 00:16	WG352924
Total Xylene	< .0015	mg/l		04/01/08 00:16	WG352924
Benzene	< .0005	mg/l		04/02/08 03:24	WG352989
Ethylbenzene	< .0005	mg/l		04/02/08 03:24	WG352989
Toluene	< .005	mg/l		04/02/08 03:24	WG352989
Total Xylene	< .0015	mg/l		04/02/08 03:24	WG352989
Benzene	< .0005	mg/l		03/31/08 20:29	WG352992
Ethylbenzene	< .0005	mg/l		03/31/08 20:29	WG352992
Toluene	< .005	mg/l		03/31/08 20:29	WG352992
Total Xylene	< .0015	mg/l		03/31/08 20:29	WG352992
Benzene	< .0005	mg/l		04/01/08 06:20	WG353017
Ethylbenzene	< .0005	mg/l		04/01/08 06:20	WG353017
Toluene	< .005	mg/l		04/01/08 06:20	WG353017
Total Xylene	< .0015	mg/l		04/01/08 06:20	WG353017
Benzene	< .0005	mg/l		04/02/08 14:48	WG353189
Ethylbenzene	< .0005	mg/l		04/02/08 14:48	WG353189
Toluene	< .005	mg/l		04/02/08 14:48	WG353189
Total Xylene	< .0015	mg/l		04/02/08 14:48	WG353189

Analyte	Units	Laboratory Control		Sample Result	% Rec	Limit	Batch
		Known Val					
Benzene	mg/l	.05		0.0460	92.1	79-131	WG352725
Ethylbenzene	mg/l	.05		0.0456	91.2	68-125	WG352725
Toluene	mg/l	.05		0.0454	90.8	68-114	WG352725
Total Xylene	mg/l	.15		0.138	92.1	72-113	WG352725
Benzene	mg/l	.05		0.0495	99.0	79-131	WG352839
Ethylbenzene	mg/l	.05		0.0473	94.6	68-125	WG352839
Toluene	mg/l	.05		0.0443	88.6	68-114	WG352839
Total Xylene	mg/l	.15		0.140	93.3	72-113	WG352839
Benzene	mg/l	.05		0.0500	99.9	79-131	WG352924
Ethylbenzene	mg/l	.05		0.0479	95.8	68-125	WG352924
Toluene	mg/l	.05		0.0450	90.0	68-114	WG352924
Total Xylene	mg/l	.15		0.140	93.2	72-113	WG352924
Benzene	mg/l	.05		0.0471	94.1	79-131	WG352989
Ethylbenzene	mg/l	.05		0.0458	91.5	68-125	WG352989
Toluene	mg/l	.05		0.0469	93.8	68-114	WG352989
Total Xylene	mg/l	.15		0.144	96.3	72-113	WG352989
Benzene	mg/l	.05		0.0455	91.0	79-131	WG352992
Ethylbenzene	mg/l	.05		0.0447	89.4	68-125	WG352992



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Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

## Quality Assurance Report Level II

L338245

April 03, 2008

Toluene	mg/l	.05	0.0448	89.6	68-114	WG352992
Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
Total Xylene	mg/l	.15	0.136	90.4	67-113	WG352992
Benzene	mg/l	.05	0.0483	96.5	79-131	WG353017
Ethylbenzene	mg/l	.05	0.0453	90.6	68-125	WG353017
Toluene	mg/l	.05	0.0457	91.4	68-114	WG353017
Total Xylene	mg/l	.15	0.137	91.4	72-113	WG353017
Benzene	mg/l	.05	0.0501	100.	79-131	WG353189
Ethylbenzene	mg/l	.05	0.0508	102.	68-125	WG353189
Toluene	mg/l	.05	0.0489	97.8	68-114	WG353189
Total Xylene	mg/l	.15	0.156	104.	72-113	WG353189

Analyte	Units	Laboratory Control Res	Sample Res	Duplicate RPD	Limit	%Rec	Batch
Benzene	mg/l	0.0463	0.0460	0.657	20	93	WG352725
Ethylbenzene	mg/l	0.0453	0.0456	0.531	20	91	WG352725
Toluene	mg/l	0.0454	0.0454	0.0113	20	91	WG352725
Total Xylene	mg/l	0.137	0.138	0.645	20	92	WG352725
Benzene	mg/l	0.0485	0.0495	2.15	20	97	WG352839
Ethylbenzene	mg/l	0.0462	0.0473	2.47	20	92	WG352839
Toluene	mg/l	0.0435	0.0443	1.80	20	87	WG352839
Total Xylene	mg/l	0.137	0.140	2.40	20	91	WG352839
Benzene	mg/l	0.0492	0.0500	1.46	20	98	WG352924
Ethylbenzene	mg/l	0.0467	0.0479	2.56	20	93	WG352924
Toluene	mg/l	0.0438	0.0450	2.80	20	88	WG352924
Total Xylene	mg/l	0.137	0.140	2.42	20	91	WG352924
Benzene	mg/l	0.0507	0.0471	7.44	20	101	WG352989
Ethylbenzene	mg/l	0.0486	0.0458	5.99	20	97	WG352989
Toluene	mg/l	0.0500	0.0469	6.42	20	100	WG352989
Total Xylene	mg/l	0.153	0.144	5.50	20	102	WG352989
Benzene	mg/l	0.0475	0.0455	4.16	20	95	WG352992
Ethylbenzene	mg/l	0.0465	0.0447	4.07	20	93	WG352992
Toluene	mg/l	0.0467	0.0448	4.17	20	93	WG352992
Total Xylene	mg/l	0.141	0.136	4.06	20	94	WG352992
Benzene	mg/l	0.0503	0.0483	4.05	20	101	WG353017
Ethylbenzene	mg/l	0.0476	0.0453	4.91	20	95	WG353017
Toluene	mg/l	0.0475	0.0457	3.92	20	95	WG353017
Total Xylene	mg/l	0.143	0.137	4.48	20	96	WG353017
Benzene	mg/l	0.0489	0.0501	2.51	20	98	WG353189
Ethylbenzene	mg/l	0.0483	0.0508	5.20	20	97	WG353189
Toluene	mg/l	0.0472	0.0489	3.55	20	94	WG353189
Total Xylene	mg/l	0.148	0.156	5.31	20	99	WG353189

Analyte	Units	Matrix MS Res	Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/l	0.0469	0.0005	.05	92.7	68-135	L337715-01	WG352725
Ethylbenzene	mg/l	0.0459	0.0008	.05	90.0	61-122	L337715-01	WG352725
Toluene	mg/l	0.0460	0.00	.05	92.0	60-116	L337715-01	WG352725
Total Xylene	mg/l	0.138	0.0021	.15	90.5	62-112	L337715-01	WG352725
Benzene	mg/l	0.0478	0.00	.05	95.6	68-135	L338245-01	WG352839



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Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338245

April 03, 2008

Ethylbenzene mg/l 0.0458 0.00 .05 91.6 61-122 L338245-01 WG352839

Analyte	Units	Matrix	Spike	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Toluene	mg/l	0.0457	0.00	.05	91.3	60-116	L338245-01	WG352839		
Total Xylene	mg/l	0.136	0.00	.15	90.4	62-112	L338245-01	WG352839		
Benzene	mg/l	0.0485	0.0047	.05	87.6	68-135	L338069-13	WG352924		
Ethylbenzene	mg/l	0.0421	0.00	.05	84.1	61-122	L338069-13	WG352924		
Toluene	mg/l	0.0416	0.00	.05	83.2	60-116	L338069-13	WG352924		
Total Xylene	mg/l	0.126	0.00	.15	84.0	62-112	L338069-13	WG352924		
Benzene	mg/l	0.0499	0.00	.05	99.7	68-135	L338307-10	WG352989		
Ethylbenzene	mg/l	0.0464	0.00	.05	92.8	61-122	L338307-10	WG352989		
Toluene	mg/l	0.0486	0.00	.05	97.1	60-116	L338307-10	WG352989		
Total Xylene	mg/l	0.145	0.00	.15	97.0	62-112	L338307-10	WG352989		
Benzene	mg/l	0.690	0.780	.05	0.0	68-135	L338212-02	WG352992		
Ethylbenzene	mg/l	0.0600	0.0200	.05	79.9	61-122	L338212-02	WG352992		
Toluene	mg/l	0.0483	0.0059	.05	84.8	60-116	L338212-02	WG352992		
Total Xylene	mg/l	0.143	0.0120	.15	87.1	62-112	L338212-02	WG352992		
Benzene	mg/l	0.0448	0.00	.05	89.6	68-135	L337930-07	WG353017		
Ethylbenzene	mg/l	0.0424	0.00	.05	84.8	61-122	L337930-07	WG353017		
Toluene	mg/l	0.0429	0.00	.05	85.9	60-116	L337930-07	WG353017		
Total Xylene	mg/l	0.128	0.00	.15	85.2	62-112	L337930-07	WG353017		
Benzene	mg/l	6.98	5.30	.05	67.1	68-135	L338245-19	WG353189		
Ethylbenzene	mg/l	2.09	0.350	.05	69.6	61-122	L338245-19	WG353189		
Toluene	mg/l	3.56	1.90	.05	66.3	60-116	L338245-19	WG353189		
Total Xylene	mg/l	8.87	3.80	.15	67.6	62-112	L338245-19	WG353189		

Analyte	Units	Matrix	Spike	Duplicate	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Benzene	mg/l	0.0466	0.0469	0.567	20	92.2	L337715-01	WG352725			
Ethylbenzene	mg/l	0.0455	0.0459	0.774	20	89.3	L337715-01	WG352725			
Toluene	mg/l	0.0458	0.0460	0.436	20	91.6	L337715-01	WG352725			
Total Xylene	mg/l	0.137	0.138	0.363	20	90.2	L337715-01	WG352725			
Benzene	mg/l	0.0480	0.0478	0.481	20	96.0	L338245-01	WG352839			
Ethylbenzene	mg/l	0.0460	0.0458	0.427	20	92.0	L338245-01	WG352839			
Toluene	mg/l	0.0479	0.0457	4.89	20	95.9	L338245-01	WG352839			
Total Xylene	mg/l	0.138	0.136	1.44	20	91.7	L338245-01	WG352839			
Benzene	mg/l	0.0488	0.0485	0.531	20	88.2	L338069-13	WG352924			
Ethylbenzene	mg/l	0.0450	0.0421	6.76	20	90.0	L338069-13	WG352924			
Toluene	mg/l	0.0427	0.0416	2.55	20	85.4	L338069-13	WG352924			
Total Xylene	mg/l	0.134	0.126	6.12	20	89.3	L338069-13	WG352924			
Benzene	mg/l	0.0495	0.0499	0.815	20	98.9	L338307-10	WG352989			
Ethylbenzene	mg/l	0.0455	0.0464	1.92	20	91.1	L338307-10	WG352989			
Toluene	mg/l	0.0479	0.0486	1.39	20	95.8	L338307-10	WG352989			
Total Xylene	mg/l	0.143	0.145	1.88	20	95.2	L338307-10	WG352989			
Benzene	mg/l	0.628	0.690	9.40	20	0.00	L338212-02	WG352992			
Ethylbenzene	mg/l	0.0556	0.0600	7.47	20	71.3	L338212-02	WG352992			
Toluene	mg/l	0.0450	0.0483	7.01	20	78.2	L338212-02	WG352992			
Total Xylene	mg/l	0.133	0.143	6.76	20	80.9	L338212-02	WG352992			
Benzene	mg/l	0.0497	0.0448	10.3	20	99.3	L337930-07	WG353017			
Ethylbenzene	mg/l	0.0433	0.0424	2.06	20	86.6	L337930-07	WG353017			
Toluene	mg/l	0.0458	0.0429	6.51	20	91.6	L337930-07	WG353017			



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7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338245

April 03, 2008

Total Xylene	mg/l	0.130	0.128	1.81	20	86.7	L337930-07	WG353017
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Analyte	Units	Matrix Spike Duplicate			RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res	Ref Res					
Benzene	mg/l	7.60	6.98	8.56	20	92.0	L338245-19	WG353189	
Ethylbenzene	mg/l	2.34	2.09	11.2	20	79.5	L338245-19	WG353189	
Toluene	mg/l	3.92	3.56	9.64	20	80.7	L338245-19	WG353189	
Total Xylene	mg/l	9.87	8.87	10.7	20	80.9	L338245-19	WG353189	

### Batch number /Run number / Sample number cross reference

WG352725: R359788: L338245-02 14 15 21  
WG352992: R360059: L338245-07 08 09 10 11 12  
WG352839: R360129: L338245-01  
WG352924: R360131: L338245-03 04 05  
WG353017: R360283: L338245-13  
WG352989: R360411: L338245-06  
WG353189: R360531: L338245-16 17 18 19 20

\* \* Calculations are performed prior to rounding of reported values .



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Quality Assurance Report  
Level II

Littleton, CO 80127

L338245

April 03, 2008


The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.



TRC Companies Inc. 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127		Alternate billing information: Report to: Jeremy Simmons Email to: JSimmons@trcsolutions.com		Analysis/Container/Preservative BTEX by 80018 (3) 40ml Vials w/ HCl		Chain of Custody Page 1 of 3 Prepared by:	
Project Description: Phone: 303-395-4013 FAX: 303-792-0122		Client Project #: 105521-0000-08002		City/State Collected ESC Key:		ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Collected by: Mike Furtaw		Site/Facility ID#:		P.O.#:		CoCode (lab use only) Template/Prelogin Shipped Via:	
Collected by (signature): 		Rush? (Lab MUST Be Notified) Same Day.....200% Next Day.....100% Two Day.....50%		Date Results Needed: Email? No Yes FAX? No Yes		Remarks/Contaminant MS/MSD	
Packed on Ice N Y X		Matrix*		Depth		Sample # (lab only)	
Sample ID		Comp/Grab		Date		Time	
DGN-0803MW007-WN-20		Gmb		3/19/03		1100	
DGN-0803MW011-WN-21		Gmb		3/19/03		0850	
LUP-0803MW003-WN-10		Gmb		3/19/03		1545	
LUP-0803MW004-WN-07		Gmb		3/19/03		1420	
LUP-0803MW005-WN-09		Gmb		3/19/03		1500	
LUP-0803MW007-WN-09		Gmb		3/19/03		1335	
HMB-0803MW003-WN-12		Gmb		3/21/03		1430	
HMB-0803MW004-WN-11		Gmb		3/21/03		1510	
HMB-0803MW005-WN-10		Gmb		3/21/03		1545	


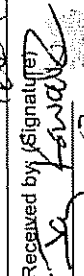
\*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH Temp

Remarks:

Flow

Other

Relinquished by: (Signature) 		Date: 3-26-8		Time: 1125		Received by: (Signature) 		Date: 3-27-03		Time: 0900		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Courier		Condition:		(lab use only)	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Bottles Received:		pH Checked:		NCF:	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Bottles Received:		pH Checked:		NCF:	

<b>TRC Companies Inc.</b> 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127				Alternate billing information:  Report to: <b>Jeremy Simmons</b> Email to: <b>JSimmons@trcsolutions.com</b>				Analysis/Container/Preservative  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">           BTEX by 80218 (3) Home Lab w/ HCL         </div>				Chain of Custody Page <u>2</u> of <u>3</u>  Prepared by: _____  <div style="text-align: center;"> <b>ENVIRONMENTAL SCIENCE CORP.</b>          12065 Lebanon Road          Mt. Juliet, TN 37122           Phone (615) 758-5858          Phone (800) 767-5859          FAX (615) 758-5859       </div>											
Project Description:  Phone: 303-395-4013 FAX: 303-792-0122  Collected by: <u>Mike Furtaw</u>				Client Project #: <u>105521-0000-0002</u> Site/Facility ID#: _____ ESC Key: _____ P.O.#: _____				Date Results Needed: Same Day.....200% Next Day.....100% Two Day.....50% Email? ___ No ___ Yes FAX? ___ No ___ Yes				No. of Cntrs Date Time Depth Matrix* Comp/Grab Sample ID											
Rush? (Lab MUST Be Notified) Packed on Ice: <u>Y</u> <u>X</u>				HMB-0803MW010-WN-04 HMB-0803MW011-WN-05 HMB-0803MW014-WN-10 HMB-0803MW018-WN-10 HDS-0803MW002-WN-28 HDS-0803MW006-WN-27 VLL-0803MW008-WN-11 VLL-0803MW009-WN-13 VLL-0803MW010-WN-11				GW GW GW GW GW GW GW GW				3/21/08 1330 3/21/08 1245 3/21/08 1200 3/21/08 1105 3/19/08 1200 3/18/08 1000 3/20/08 1345 3/20/08 1145 3/20/08 1305				3 3 3 3 3 3 3 3 3				CoCode (lab use only) Template/Prelogin Shipped Via: Remarks/Contaminant Sample # (lab use only)			
HMB-0803MW010-WN-04 HMB-0803MW011-WN-05 HMB-0803MW014-WN-10 HMB-0803MW018-WN-10 HDS-0803MW002-WN-28 HDS-0803MW006-WN-27 VLL-0803MW008-WN-11 VLL-0803MW009-WN-13 VLL-0803MW010-WN-11				GW GW GW GW GW GW GW GW				3/21/08 1330 3/21/08 1245 3/21/08 1200 3/21/08 1105 3/19/08 1200 3/18/08 1000 3/20/08 1345 3/20/08 1145 3/20/08 1305				3 3 3 3 3 3 3 3 3				CoCode (lab use only) Template/Prelogin Shipped Via: Remarks/Contaminant Sample # (lab use only)							

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_  
 \*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Relinquished by: (Signature) <u>[Signature]</u> Date: <u>3/20/08</u> Time: <u>11:25</u>		Received by: (Signature) <u>[Signature]</u> Date: <u>3/20/08</u> Time: <u>11:25</u>		Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Courier Temp: <u>4.7°C</u> Bottles Received: <u>6/21</u>		Condition: _____ (lab use only)	
Relinquished by: (Signature) <u>[Signature]</u> Date: _____ Time: _____		Received by: (Signature) <u>[Signature]</u> Date: _____ Time: _____		Date: <u>3/27/08</u> Time: <u>0900</u>		pH Checked: _____ NOF: _____	
Relinquished by: (Signature) <u>[Signature]</u> Date: _____ Time: _____		Received by: (Signature) <u>[Signature]</u> Date: _____ Time: _____		Date: <u>3/27/08</u> Time: <u>0900</u>		pH Checked: _____ NOF: _____	





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APR 03 2008

TRC

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100

Littleton, CO 80127

Report Summary

Thursday April 03, 2008

Report Number: L338250

Samples Received: 03/27/08

Client Project: 105521-0000-09002

Description: Yellow Creek

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Blackman, ESC Representative

*Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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30 Samples Reported: 04/03/08 16:14 Printed: 04/03/08 16:14

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : BRG-0803MW007-WN-19

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 11:48

ESC Sample # : L338250-01

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0020	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0038	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	90.5		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : BRG-0803MW009-WN-20

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 10:39

ESC Sample # : L338250-02

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	91.3		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW006-WN-20

Collected By : Jeremy Simmons  
Collection Date : 03/18/08 14:33

ESC Sample # : L338250-03

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00096	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	0.00053	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW008-WN-28

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 10:33

ESC Sample # : L338250-04

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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## REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW012-WN-25

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 09:50

ESC Sample # : L338250-05

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Toluene	0.0079	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0048	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : DGN-0803MW012-WD-25

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 09:50

ESC Sample # : L338250-06

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00051	0.00050	mg/l	8021B	03/29/08	1
Toluene	0.0072	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	0.0054	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW002-WN-08

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 15:56

ESC Sample # : L338250-07

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	17.	0.050	mg/l	8021B	04/01/08	100
Toluene	BDL	0.50	mg/l	8021B	04/01/08	100
Ethylbenzene	0.44	0.050	mg/l	8021B	04/01/08	100
Total Xylene	6.8	0.15	mg/l	8021B	04/01/08	100
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	104.		% Rec.	8021B	04/01/08	100

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW008-WN-08

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 13:22

ESC Sample # : L338250-08

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.41	0.00050	mg/l	8021B	03/31/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/31/08	1
Ethylbenzene	0.23	0.00050	mg/l	8021B	03/31/08	1
Total Xylene	0.48	0.0015	mg/l	8021B	03/31/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	83.9		% Rec.	8021B	03/31/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW008-WD-08

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 13:22

ESC Sample # : L338250-09

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.85	0.0025	mg/l	8021B	04/01/08	5
Toluene	BDL	0.025	mg/l	8021B	04/01/08	5
Ethylbenzene	0.26	0.0025	mg/l	8021B	04/01/08	5
Total Xylene	2.6	0.0075	mg/l	8021B	04/01/08	5
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	105.		% Rec.	8021B	04/01/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW009-WN-09

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 14:03

ESC Sample # : L338250-10

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.65	0.025	mg/l	8021B	04/01/08	50
Toluene	BDL	0.25	mg/l	8021B	04/01/08	50
Ethylbenzene	BDL	0.025	mg/l	8021B	04/01/08	50
Total Xylene	3.4	0.075	mg/l	8021B	04/01/08	50
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	04/01/08	50

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : LUP-0803MW010-WN-13

Collected By : Jeremy Simmons  
Collection Date : 03/19/08 14:51

ESC Sample # : L338250-11

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.014	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.031	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.082	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW002-WN-12

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 16:18

ESC Sample # : L338250-12

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.016	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.0033	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0028	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	90.6		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW006-WN-13

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 15:37

ESC Sample # : L338250-13

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	91.1		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW008-WN-11

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 11:50

ESC Sample # : L338250-14

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.013	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.018	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.091	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	88.9		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW009-WN-11

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 14:42

ESC Sample # : L338250-15

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.071	0.0025	mg/l	8021B	04/03/08	5
Toluene	BDL	0.025	mg/l	8021B	04/03/08	5
Ethylbenzene	0.020	0.0025	mg/l	8021B	04/03/08	5
Total Xylene	0.097	0.0075	mg/l	8021B	04/03/08	5
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	91.5		% Rec.	8021B	04/03/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW017-WN-07

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 13:20

ESC Sample # : L338250-16

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00053	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0038	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	91.6		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HMB-0803MW013-WN-10

Collected By : Jeremy Simmons  
Collection Date : 03/21/08 10:56

ESC Sample # : L338250-17

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	1.2	0.0050	mg/l	8021B	04/02/08	10
Toluene	BDL	0.050	mg/l	8021B	04/02/08	10
Ethylbenzene	0.33	0.0050	mg/l	8021B	04/02/08	10
Total Xylene	2.6	0.015	mg/l	8021B	04/02/08	10
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	81.3		% Rec.	8021B	04/02/08	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW009-WN-28

Collected By : Jeremy Simmons  
Collection Date : 03/18/08 11:30

ESC Sample # : L338250-18

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00065	0.00050	mg/l	8021B	03/29/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/29/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/29/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/29/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	03/29/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :  
Sample ID : HDS-0803MW001-WN-28  
Collected By : Jeremy Simmons  
Collection Date : 03/18/08 10:15

ESC Sample # : L338250-19

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0076	0.00050	mg/l	8021B	03/30/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/30/08	1
Ethylbenzene	0.011	0.00050	mg/l	8021B	03/30/08	1
Total Xylene	0.041	0.0015	mg/l	8021B	03/30/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	03/30/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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## REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW013-WN-28

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 13:37

ESC Sample # : L338250-20

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/02/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/02/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/02/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/02/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	92.2		% Rec.	8021B	04/02/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW013-WD-28

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 13:37

ESC Sample # : L338250-21

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	106.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
IRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803MW014-WN-30

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 14:39

ESC Sample # : L338250-22

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.012	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.00077	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	101.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW006-WN-08

Collected By : Jeremy Simmons  
Collection Date : 03/20/08 12:39

ESC Sample # : L338250-23

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	4.5	0.012	mg/l	8021B	04/01/08	25
Toluene	BDL	0.12	mg/l	8021B	04/01/08	25
Ethylbenzene	0.50	0.012	mg/l	8021B	04/01/08	25
Total Xylene	4.8	0.038	mg/l	8021B	04/01/08	25
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	97.3		% Rec.	8021B	04/01/08	25

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW03A-WN-06

Collected By : Jeremy Simmons  
Collection Date : 03/25/08 10:56

ESC Sample # : L338250-24

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	8.1	0.025	mg/l	8021B	04/03/08	50
Toluene	0.40	0.25	mg/l	8021B	04/03/08	50
Ethylbenzene	0.49	0.025	mg/l	8021B	04/03/08	50
Total Xylene	6.2	0.075	mg/l	8021B	04/03/08	50
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	97.3		% Rec.	8021B	04/03/08	50

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :  
Sample ID : VLL-0803MW03B-WN-07  
Collected By : Jeremy Simmons  
Collection Date : 03/20/08 10:22

ESC Sample # : L338250-25  
Site ID :  
Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.93	0.0025	mg/l	8021B	04/01/08	5
Toluene	BDL	0.025	mg/l	8021B	04/01/08	5
Ethylbenzene	0.0041	0.0025	mg/l	8021B	04/01/08	5
Total Xylene	0.75	0.0075	mg/l	8021B	04/01/08	5
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	90.5		% Rec.	8021B	04/01/08	5

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

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REPORT OF ANALYSIS

April 03, 2008

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW004-WN-06

Collected By : Jeremy Simmons  
Collection Date : 03/20/08 11:58

ESC Sample # : L338250-26

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.20	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.18	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	1.1	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	92.7		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

ESC Sample # : L338250-27

Sample ID : VLL-0803MW007-WN-13

Site ID :

Collected By : Jeremy Simmons  
Collection Date : 03/20/08 13:37

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	1.2	0.012	mg/l	8021B	04/01/08	25
Toluene	11.	0.12	mg/l	8021B	04/01/08	25
Ethylbenzene	0.72	0.012	mg/l	8021B	04/01/08	25
Total Xylene	10.	0.038	mg/l	8021B	04/01/08	25
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	98.1		% Rec.	8021B	04/01/08	25

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW011-WN-15

Collected By : Jeremy Simmons  
Collection Date : 03/20/08 15:28

ESC Sample # : L338250-28

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.00086	0.00050	mg/l	8021B	04/01/08	1
Toluene	BDL	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.00078	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.0089	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	103.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

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7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : VLL-0803MW014-WN-19

Collected By : Jeremy Simmons  
Collection Date : 03/20/08 14:35

ESC Sample # : L338250-29

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0010	0.00050	mg/l	8021B	04/01/08	1
Toluene	0.0051	0.0050	mg/l	8021B	04/01/08	1
Ethylbenzene	0.0012	0.00050	mg/l	8021B	04/01/08	1
Total Xylene	0.023	0.0015	mg/l	8021B	04/01/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	04/01/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

Jeremy Simmons  
TRC Solutions - Littleton  
7761 Shaffer Pkwy, Ste 100  
Littleton, CO 80127

April 03, 2008

Date Received : March 27, 2008  
Description :

Sample ID : HDS-0803TB002-WN-00

Collected By : Jeremy Simmons  
Collection Date : 03/18/08 10:15

ESC Sample # : L338250-30

Site ID :

Project # : 105521-0000-09002

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.00050	mg/l	8021B	03/30/08	1
Toluene	BDL	0.0050	mg/l	8021B	03/30/08	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	03/30/08	1
Total Xylene	BDL	0.0015	mg/l	8021B	03/30/08	1
Surrogate Recovery (77-118) a,a,a-Trifluorotoluene (PID)	102.		% Rec.	8021B	03/30/08	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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Attachment A  
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L338250-08	Benzene	E
	Total Xylene	E
L338250-09	Total Xylene	E
L338250-26	Total Xylene	E
L338250-27	Toluene	E

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAP. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338250

April 03, 2008

Analyte	Result	Laboratory Blank		Date Analyzed	Batch
		Units			
Benzene	< .0005	mg/l		03/29/08 15:01	WG352725
Ethylbenzene	< .0005	mg/l		03/29/08 15:01	WG352725
Toluene	< .005	mg/l		03/29/08 15:01	WG352725
Total Xylene	< .0015	mg/l		03/29/08 15:01	WG352725
Benzene	< .0005	mg/l		03/30/08 16:56	WG352855
Ethylbenzene	< .0005	mg/l		03/30/08 16:56	WG352855
Toluene	< .005	mg/l		03/30/08 16:56	WG352855
Total Xylene	< .0015	mg/l		03/30/08 16:56	WG352855
Benzene	< .0005	mg/l		04/01/08 00:16	WG352924
Ethylbenzene	< .0005	mg/l		04/01/08 00:16	WG352924
Toluene	< .005	mg/l		04/01/08 00:16	WG352924
Total Xylene	< .0015	mg/l		04/01/08 00:16	WG352924
Benzene	< .0005	mg/l		04/01/08 06:20	WG353017
Ethylbenzene	< .0005	mg/l		04/01/08 06:20	WG353017
Toluene	< .005	mg/l		04/01/08 06:20	WG353017
Total Xylene	< .0015	mg/l		04/01/08 06:20	WG353017
Benzene	< .0005	mg/l		04/01/08 08:16	WG353019
Ethylbenzene	< .0005	mg/l		04/01/08 08:16	WG353019
Toluene	< .005	mg/l		04/01/08 08:16	WG353019
Total Xylene	< .0015	mg/l		04/01/08 08:16	WG353019
Benzene	< .0005	mg/l		04/02/08 14:48	WG353189
Ethylbenzene	< .0005	mg/l		04/02/08 14:48	WG353189
Toluene	< .005	mg/l		04/02/08 14:48	WG353189
Total Xylene	< .0015	mg/l		04/02/08 14:48	WG353189
Benzene	< .0005	mg/l		04/03/08 00:06	WG353361
Ethylbenzene	< .0005	mg/l		04/03/08 00:06	WG353361
Toluene	< .005	mg/l		04/03/08 00:06	WG353361
Total Xylene	< .0015	mg/l		04/03/08 00:06	WG353361
Benzene	< .0005	mg/l		04/03/08 10:53	WG353516
Ethylbenzene	< .0005	mg/l		04/03/08 10:53	WG353516
Toluene	< .005	mg/l		04/03/08 10:53	WG353516
Total Xylene	< .0015	mg/l		04/03/08 10:53	WG353516

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.05	0.0460	92.1	79-131	WG352725
Ethylbenzene	mg/l	.05	0.0456	91.2	68-125	WG352725
Toluene	mg/l	.05	0.0454	90.8	68-114	WG352725
Total Xylene	mg/l	.15	0.138	92.1	72-113	WG352725
Benzene	mg/l	.05	0.0509	102.	79-131	WG352855
Ethylbenzene	mg/l	.05	0.0517	103.	68-125	WG352855
Toluene	mg/l	.05	0.0512	102.	68-114	WG352855
Total Xylene	mg/l	.15	0.157	104.	72-113	WG352855
Benzene	mg/l	.05	0.0500	99.9	79-131	WG352924
Ethylbenzene	mg/l	.05	0.0479	95.8	68-125	WG352924
Toluene	mg/l	.05	0.0450	90.0	68-114	WG352924
Total Xylene	mg/l	.15	0.140	93.2	72-113	WG352924
Benzene	mg/l	.05	0.0483	96.5	79-131	WG353017
Ethylbenzene	mg/l	.05	0.0453	90.6	68-125	WG353017



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TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338250

April 03, 2008

Toluene	mg/l	.05	0.0457	91.4	68-114	WG353017
---------	------	-----	--------	------	--------	----------

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
Total Xylene	mg/l	.15	0.137	91.4	72-113	WG353017
Benzene	mg/l	.05	0.0460	92.1	79-131	WG353019
Ethylbenzene	mg/l	.05	0.0467	93.5	68-125	WG353019
Toluene	mg/l	.05	0.0472	94.4	68-114	WG353019
Total Xylene	mg/l	.15	0.142	94.5	72-113	WG353019
Benzene	mg/l	.05	0.0501	100.	79-131	WG353189
Ethylbenzene	mg/l	.05	0.0508	102.	68-125	WG353189
Toluene	mg/l	.05	0.0489	97.8	68-114	WG353189
Total Xylene	mg/l	.15	0.156	104.	72-113	WG353189
Benzene	mg/l	.05	0.0437	87.3	79-131	WG353361
Ethylbenzene	mg/l	.05	0.0428	85.6	68-125	WG353361
Toluene	mg/l	.05	0.0432	86.4	68-114	WG353361
Total Xylene	mg/l	.15	0.130	86.6	72-113	WG353361
Benzene	mg/l	.05	0.0489	97.8	79-131	WG353516
Ethylbenzene	mg/l	.05	0.0458	91.5	68-125	WG353516
Toluene	mg/l	.05	0.0458	91.6	68-114	WG353516
Total Xylene	mg/l	.15	0.137	91.6	72-113	WG353516

Analyte	Units	Laboratory Control LCSD Res	Sample Ref Res	Duplicate RPD	Limit	%Rec	Batch
Benzene	mg/l	0.0463	0.0460	0.657	20	93	WG352725
Ethylbenzene	mg/l	0.0453	0.0456	0.531	20	91	WG352725
Toluene	mg/l	0.0454	0.0454	0.0113	20	91	WG352725
Total Xylene	mg/l	0.137	0.138	0.645	20	92	WG352725
Benzene	mg/l	0.0496	0.0509	2.55	20	99	WG352855
Ethylbenzene	mg/l	0.0504	0.0517	2.53	20	101	WG352855
Toluene	mg/l	0.0489	0.0512	4.64	20	98	WG352855
Total Xylene	mg/l	0.153	0.157	2.48	20	102	WG352855
Benzene	mg/l	0.0492	0.0500	1.46	20	98	WG352924
Ethylbenzene	mg/l	0.0467	0.0479	2.56	20	93	WG352924
Toluene	mg/l	0.0438	0.0450	2.80	20	88	WG352924
Total Xylene	mg/l	0.137	0.140	2.42	20	91	WG352924
Benzene	mg/l	0.0503	0.0483	4.05	20	101	WG353017
Ethylbenzene	mg/l	0.0476	0.0453	4.91	20	95	WG353017
Toluene	mg/l	0.0475	0.0457	3.92	20	95	WG353017
Total Xylene	mg/l	0.143	0.137	4.48	20	96	WG353017
Benzene	mg/l	0.0533	0.0460	14.7	20	107	WG353019
Ethylbenzene	mg/l	0.0537	0.0467	13.9	20	107	WG353019
Toluene	mg/l	0.0540	0.0472	13.3	20	108	WG353019
Total Xylene	mg/l	0.162	0.142	13.5	20	108	WG353019
Benzene	mg/l	0.0489	0.0501	2.51	20	98	WG353189
Ethylbenzene	mg/l	0.0483	0.0508	5.20	20	97	WG353189
Toluene	mg/l	0.0472	0.0489	3.55	20	94	WG353189
Total Xylene	mg/l	0.148	0.156	5.31	20	99	WG353189
Benzene	mg/l	0.0454	0.0437	3.91	20	91	WG353361
Ethylbenzene	mg/l	0.0457	0.0428	6.58	20	91	WG353361
Toluene	mg/l	0.0460	0.0432	6.22	20	92	WG353361
Total Xylene	mg/l	0.137	0.130	5.58	20	92	WG353361



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Tax I.D. 62-0814289

Est. 1970

TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338250

April 03, 2008

Analyte	Laboratory Control Sample Duplicate				Limit	%Rec	Batch
	Units	LCSD Res	Ref Res	RPD			
Benzene	mg/l	0.0490	0.0489	0.279	20	98	WG353516
Ethylbenzene	mg/l	0.0445	0.0458	2.74	20	89	WG353516
Toluene	mg/l	0.0456	0.0458	0.507	20	91	WG353516
Total Xylene	mg/l	0.133	0.137	3.18	20	89	WG353516

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Benzene	mg/l	0.0469	0.0005	.05	92.7	68-135	L337715-01	WG352725
Ethylbenzene	mg/l	0.0459	0.0008	.05	90.0	61-122	L337715-01	WG352725
Toluene	mg/l	0.0460	0.00	.05	92.0	60-116	L337715-01	WG352725
Total Xylene	mg/l	0.138	0.0021	.15	90.5	62-112	L337715-01	WG352725
Benzene	mg/l	1.68	0.470	.05	97.0	68-135	L337923-22	WG352855
Ethylbenzene	mg/l	1.33	0.0970	.05	99.0	61-122	L337923-22	WG352855
Toluene	mg/l	3.68	2.50	.05	94.2	60-116	L337923-22	WG352855
Total Xylene	mg/l	8.89	5.70	.15	85.0	62-112	L337923-22	WG352855
Benzene	mg/l	0.0485	0.0047	.05	87.6	68-135	L338069-13	WG352924
Ethylbenzene	mg/l	0.0421	0.00	.05	84.1	61-122	L338069-13	WG352924
Toluene	mg/l	0.0416	0.00	.05	83.2	60-116	L338069-13	WG352924
Total Xylene	mg/l	0.126	0.00	.15	84.0	62-112	L338069-13	WG352924
Benzene	mg/l	0.0448	0.00	.05	89.6	68-135	L337930-07	WG353017
Ethylbenzene	mg/l	0.0424	0.00	.05	84.8	61-122	L337930-07	WG353017
Toluene	mg/l	0.0429	0.00	.05	85.9	60-116	L337930-07	WG353017
Total Xylene	mg/l	0.128	0.00	.15	85.2	62-112	L337930-07	WG353017
Benzene	mg/l	0.0438	0.00	.05	87.6	68-135	L338250-21	WG353019
Ethylbenzene	mg/l	0.0415	0.00	.05	83.0	61-122	L338250-21	WG353019
Toluene	mg/l	0.0431	0.00	.05	86.2	60-116	L338250-21	WG353019
Total Xylene	mg/l	0.125	0.00	.15	83.5	62-112	L338250-21	WG353019
Benzene	mg/l	6.98	5.30	.05	67.1	68-135	L338245-19	WG353189
Ethylbenzene	mg/l	2.09	0.350	.05	69.6	61-122	L338245-19	WG353189
Toluene	mg/l	3.56	1.90	.05	66.3	60-116	L338245-19	WG353189
Total Xylene	mg/l	8.87	3.80	.15	67.6	62-112	L338245-19	WG353189
Benzene	mg/l	0.0466	0.00	.05	93.3	68-135	L338716-05	WG353361
Ethylbenzene	mg/l	0.0444	0.00	.05	88.8	61-122	L338716-05	WG353361
Toluene	mg/l	0.0455	0.00	.05	91.1	60-116	L338716-05	WG353361
Total Xylene	mg/l	0.134	0.00	.15	89.7	62-112	L338716-05	WG353361
Benzene	mg/l	0.0429	0.00	.05	85.9	68-135	L338561-03	WG353516
Ethylbenzene	mg/l	0.0403	0.00	.05	80.6	61-122	L338561-03	WG353516
Toluene	mg/l	0.0402	0.00	.05	80.4	60-116	L338561-03	WG353516
Total Xylene	mg/l	0.122	0.00	.15	81.7	62-112	L338561-03	WG353516

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
Benzene	mg/l	0.0466	0.0469	0.567	20	92.2	L337715-01	WG352725
Ethylbenzene	mg/l	0.0455	0.0459	0.774	20	89.3	L337715-01	WG352725
Toluene	mg/l	0.0458	0.0460	0.436	20	91.6	L337715-01	WG352725
Total Xylene	mg/l	0.137	0.138	0.363	20	90.2	L337715-01	WG352725
Benzene	mg/l	1.73	1.68	2.91	20	101.	L337923-22	WG352855
Ethylbenzene	mg/l	1.37	1.33	2.94	20	102.	L337923-22	WG352855
Toluene	mg/l	3.78	3.68	2.68	20	102.	L337923-22	WG352855



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Est. 1970

TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

## Quality Assurance Report Level II

Littleton, CO 80127

L338250

April 03, 2008

Total Xylene	mg/l	9.03	8.89	1.59	20	88.8	L337923-22	WG352855
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Analyte	Matrix Spike Duplicate					Limit	%Rec	Ref Samp	Batch
	Units	MSD Res	Ref Res	RPD					
Benzene	mg/l	0.0488	0.0485	0.531	20	88.2	L338069-13	WG352924	
Ethylbenzene	mg/l	0.0450	0.0421	6.76	20	90.0	L338069-13	WG352924	
Toluene	mg/l	0.0427	0.0416	2.55	20	85.4	L338069-13	WG352924	
Total Xylene	mg/l	0.134	0.126	6.12	20	89.3	L338069-13	WG352924	
Benzene	mg/l	0.0497	0.0448	10.3	20	99.3	L337930-07	WG353017	
Ethylbenzene	mg/l	0.0433	0.0424	2.06	20	86.6	L337930-07	WG353017	
Toluene	mg/l	0.0458	0.0429	6.51	20	91.6	L337930-07	WG353017	
Total Xylene	mg/l	0.130	0.128	1.81	20	86.7	L337930-07	WG353017	
Benzene	mg/l	0.0464	0.0438	5.92	20	92.9	L338250-21	WG353019	
Ethylbenzene	mg/l	0.0430	0.0415	3.47	20	85.9	L338250-21	WG353019	
Toluene	mg/l	0.0454	0.0431	5.20	20	90.8	L338250-21	WG353019	
Total Xylene	mg/l	0.129	0.125	3.21	20	86.2	L338250-21	WG353019	
Benzene	mg/l	7.60	6.98	8.56	20	92.0	L338245-19	WG353189	
Ethylbenzene	mg/l	2.34	2.09	11.2	20	79.5	L338245-19	WG353189	
Toluene	mg/l	3.92	3.56	9.64	20	80.7	L338245-19	WG353189	
Total Xylene	mg/l	9.87	8.87	10.7	20	80.9	L338245-19	WG353189	
Benzene	mg/l	0.0449	0.0466	3.87	20	89.7	L338716-05	WG353361	
Ethylbenzene	mg/l	0.0429	0.0444	3.51	20	85.8	L338716-05	WG353361	
Toluene	mg/l	0.0441	0.0455	3.30	20	88.1	L338716-05	WG353361	
Total Xylene	mg/l	0.129	0.134	3.97	20	86.2	L338716-05	WG353361	
Benzene	mg/l	0.0462	0.0429	7.41	20	92.5	L338561-03	WG353516	
Ethylbenzene	mg/l	0.0439	0.0403	8.68	20	87.9	L338561-03	WG353516	
Toluene	mg/l	0.0435	0.0402	7.98	20	87.1	L338561-03	WG353516	
Total Xylene	mg/l	0.133	0.122	7.88	20	88.4	L338561-03	WG353516	

### Batch number / Run number / Sample number cross reference

WG352725: R359788: L338250-03 04 06 18 19 30  
 WG352855: R359875: L338250-08  
 WG352924: R360131: L338250-05 07 09 10 11  
 WG353017: R360283: L338250-01 02 12 13 14 16  
 WG353019: R360347: L338250-21 22 23 25 26 27 28 29  
 WG353361: R360502: L338250-24  
 WG353189: R360531: L338250-17 20  
 WG353516: R360592: L338250-15

\* \* Calculations are performed prior to rounding of reported values .





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TRC Solutions - Littleton  
Jeremy Simmons  
7761 Shaffer Pkwy, Ste 100

Quality Assurance Report  
Level II

Littleton, CO 80127

L338250


April 03, 2008

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

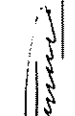


Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

TRC Companies Inc. 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127		Alternate billing information:  Report to: Jeremy Simmons Email to: JSimmons@trcsolutions.com		Chain of Custody Page 1 of 4	
Project Description: Phone: 303-395-4013 FAX: 303-792-0122		Client Project #: 105521-0000-09022		Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Collected by: Jeremy Simmons		Site/Facility ID#:		Analysis/Container/Preservative	
Collected by (signature): 		ESC Key:		CoCode (lab use only)	
Packed on Ice: N Y Y		P.O.#:		Template/Prelogin	
Sample ID		Comp/Grab		Shipped Via:	
Matrix*		Depth		Remarks/Contaminant	
Date Results Needed: Email? No Yes FAX? No Yes		Date		Sample # (lab only)	
No. of Chlrs		Time			
Rush? (Lab MUST Be Notified) Same Day.....200% Next Day.....100% Two Day.....50%					
13RG-0803Mw007-WN-19		Grab		MS/MSD 1338650-02	
13RG-0803Mw009-WN-20		1		-02	
DGN-0803Mw006-WN-20		1		-03	
DGN-0803Mw008-WN-28		1		-04	
DGN-0803Mw012-WN-25		1		-05	
DGN-0803Mw012-WD-25		1		-06	
LUP-0803Mw002-WN-08		1		-07	
LUP-0803Mw008-WN-08		1		-08	
LUP-0803Mw008-WD-08		1		-09	

\*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks: All samples HCl preserved

Relinquished by: (Signature) 	Date: 3/20/08	Time: 11:26	Received by: (Signature) 	Received by: (Signature)	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition:	(lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Received by: (Signature)	Temp: 47°C	Flow	Other
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 	Received for lab by: (Signature)	Bottles Received: 8 v	pH	Temp
Relinquished by: (Signature)	Date:	Time:			Date: 3/22/08	pH Checked:	NCF

TRC Companies Inc. 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127		Alternate billing information:  Report to: Jeremy Simmons Email to: JSimmons@trcsolutions.com		Analysis/Container/Preservative		Chain of Custody Page 1 of 1	
Project Description: Phone: 303-395-4013 FAX: 303-792-0122		Client Project #: 105521-000-09002		City/State Collected Various/Colorado		Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859	
Collected by: Jeremy Simmons		Site/Facility ID#:		ESC Key:		CoCode (lab use only)	
Collected by (signature):		Rush? (Lab MUST Be Notified )		Date Results Needed:		Template/Prelogin	
Packed on Ice N Y Y		Same Day.....200% Next Day.....100% Two Day.....50%		Email? No Yes FAX? No Yes		Shipped Via:	
Sample ID		Comp/Grab		Matrix*		Remarks/Contaminant	
LUP-0803 M1009-WN-01		Grab		SS GW		Sample # (lab only) C338250-10	
LUP-0803 M1010-WN-13				3/19/18 1451		-11	
HMB-0803 M1002-WN-12				3/21/18 1618		-12	
HMB-0803 M1006-WN-13				3/21/18 1537		-13	
HMB-0803 M1008-WN-11				3/21/18 1150		-14	
HMB-0803 M1009-WN-11				3/21/18 1442		-15	
HMB-0803 M1017-WN-07				3/21/18 1320		-16	
HMB-0803 M1013-WN-10				3/21/18 1056		-17	
HDS-0803 M1009-WN-28				3/18/18 1130		-18	
*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other		pH		Temp		Flow	
Relinquished by: (Signature)		Date: 3-26-18		Time: 11:20		Condition: (lab use only)	
Relinquished by: (Signature)		Date:		Time:		Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	
Relinquished by: (Signature)		Date:		Time:		Bottles Received: 4.70	
Relinquished by: (Signature)		Date:		Time:		Date: 3-27-18	
Relinquished by: (Signature)		Date:		Time:		pH Checked: NCF	

TRC Companies Inc. 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127		Alternate billing information: Report to: <b>Jeremy Simmons</b> Email to: <b>JSimmons@trcsolutions.com</b>		Analysis/Container/Preservative <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">           GTEX by 8021B (3) 40ml UALS w/HCL         </div>	
Project Description: Phone: 303-395-4013 FAX: 303-792-0122		Client Project #: 105521-0000-09003		ESC Key: P.O.#:	
Collected by: <i>Jeremy Simmons</i> Collected by (signature): <i>[Signature]</i> Packed on Ice N Y		Site/Facility ID#:		Date Results Needed: Rush? ( Lab MUST Be Notified ) Same Day.....200% Next Day.....100% Two Day.....50%	
Sample ID HDS-0803MWD11-WN-28 HDS-0803MWD13-WN-28 HDS-0803MWD13-WD-28 HDS-0803MWD14-WN-30 VLL-8 VLL-0803MWD02-WN-07 VLL-0803MWD06-WN-08 VLL-0803MWD03A-WN-06 VLL-0803MWD03B-WN-07		Comp/Grab Grab / / / / / / /		Matrix* SCGW / / / / / / /	
Date 3/18/8 3/25/8 3/25/8 3/25/8 3/20/8 3/20/8 3/20/8 3/20/8		Depth 1015 1337 1337 1439 / 1239 1056 1022		Time 1015 1337 1337 1439 / 1239 1056 1022	
No. of Cntrs 3 3 3 3 / 3 3 3		Date 3/18/8 3/25/8 3/25/8 3/25/8 3/20/8 3/20/8 3/20/8 3/20/8		Time 1015 1337 1337 1439 / 1239 1056 1022	
Sample # (lab use only) 6338250-19 02- 12- 22- / 23- 24- 25-		Remarks/Contaminant / / / / / / /		Shipped Via: / / / / / / /	
Chain of Custody Page 1 of 1 Prepared by: 34		ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		pH _____ Temp _____ Flow _____ Other _____	
Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i>		Date: 3/20/8 Date: 3/20/8 Date: 3/20/8		Time: 11:25 Time: 11:25 Time: 11:25	
Received by: (Signature) <i>[Signature]</i> Received by: (Signature) <i>[Signature]</i> Received by: (Signature) <i>[Signature]</i>		Date: 3/20/8 Date: 3/20/8 Date: 3/20/8		Time: 11:25 Time: 11:25 Time: 11:25	
Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i>		Date: 3/20/8 Date: 3/20/8 Date: 3/20/8		Time: 11:25 Time: 11:25 Time: 11:25	

TRC Companies Inc. 7761 Shaffer Parkway Suite 100 Littleton, Co. 80127		Alternate billing information: Report to: Jeremy Simmons Email to: JSimmons@trcsolutions.com		Analysis/Container/Preservative		Prepared by: <b>ENVIRONMENTAL SCIENCE CORP.</b> 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859		Chain of Custody Page 1 of 1	
Project Description: Phone: 303-395-4013 FAX: 303-792-0122		Client Project #: 105521-0000-09003		City/State Collected ESC Key:		CoCode (lab use only) Template/Prelogin Shipped Via:		Remarks/Contaminant Sample # (lab use only)	
Collected by: <i>Jeremy Simmons</i> Collected by (signature): <i>[Signature]</i> Packed on Ice N Y		Site/Facility ID#:		Date Results Needed: Email? No Yes FAX? No Yes		No. of Cntrs		pH Temp	
(Lab MUST Be Notified) Same Day ..... 200% Next Day ..... 100% Two Day ..... 50%		P.O.#:		Date		Time		Flow Other	
Sample ID		Comp/Grab		Matrix*		Depth		Bottles Received:	
VLL-0803Mw004-WN-06		Grab		SS GW		3/20/8 1158		3/20/8 1337	
VLL-0803Mw007-WN-13		7		3/20/8 1528		3/20/8 1435		3/18/8 1015	
VLL-0803Mw011-WN-15		1		1		1		1	
VLL-0803Mw014-WN-19		1		1		1		1	
HDS-0803TB002-WN-00		1		1		1		1	

\*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH Temp

Flow Other

Remarks:

Relinquished by: (Signature) <i>[Signature]</i>	Date: 3-26-8 1120	Received by: (Signature) <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Received by: (Signature) <i>[Signature]</i>	Temp: 4.7 Bottles Received: 284	Condition: (lab use only)
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 3/21/8 0900 Time: 3/21/8 0900	pH Checked: NCF