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**2015 Annual Event - BTEX  
Groundwater Plume  
Monitoring and Sampling  
Report**

Wilson Creek Unit  
Rio Blanco County, Colorado

Colorado Oil and Gas  
Conservation Commission -  
Remediation Project No. 70



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November 17, 2015

# Sign-off Sheet


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# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

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## 1.0 Site Background

### 1.1 INTRODUCTION

This *2015 Annual Event - BTEX Groundwater Plume Monitoring and Sampling Report* details the groundwater monitoring and sampling event that occurred at the Wilson Creek Unit (Site) during June 2015. The Site consists of approximately 3,000 acres, of which 640 acres is owned and operated by Chevron North America Exploration and Production Company (Chevron), primarily encompassing the main processing area. The remainder of the Site is owned by the Bureau of Land Management (BLM) and various private owners. The Site is known within the Colorado Oil and Gas Conservation Commission (COGCC) as Remediation Project Number 70.

### 1.2 SITE LOCATION

The Site is located approximately 12 miles north of Meeker in Rio Blanco County, Colorado. The Site is located in and around Section 27, Township 3 North, Range 94 West. A Site location map is presented on **Figure 1** and shows the location of the Wilson Creek Unit Field Office (Field Office), the historical condensate release area, as well as the locations of other Site features.

### 1.3 REGIONAL SETTING

The Site is located in an active oil and gas field consisting of oil and gas exploration and production equipment, the Field Office, Rio Blanco County Road #9, and native vegetation. Properties adjacent to the Site include rural residences and private and public lands. These properties are utilized for agricultural, recreational, and mining purposes.

The topography of the Site consists of mountain tops, gulches, and valleys with elevations ranging from approximately 7,000 to 8,400 feet above mean sea level (AMSL). The terrain is rugged and forested. Scrub oak covers the dry, southern-facing slopes and aspen communities dominate the moister northerly slopes.

Snow melt and groundwater springs in the vicinity of the Site feed small creeks that join large tributary systems, ultimately leading to the Colorado River. The main processing area is located where several valleys converge. Surface runoff in this area flows along natural stormwater drainage pathways in a primarily northerly direction towards four Spill Prevention, Control, and Countermeasures (SPCC) ponds maintained by Chevron. Stormwater then flows into Wilson Creek, a tributary of the Yampa River.

### 1.4 SITE GEOLOGY/HYDROGEOLOGIC SETTING

Cross-sections were prepared to address a request placed with Chevron Environmental Management Company (CEMC) by the COGCC during a September 18, 2008 meeting. These cross-sections were published in the 2008, 2009, and 2010 annual reports. The cross-sections have not been republished in this document.



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The near surface geology (upper 30 feet below ground surface [bgs]) of the upper valley, down-gradient from the historical condensate release area (near MW-47A), consists primarily of silty/sandy clays and bedrock (sandstone or shale). Some clayey/silty sands are found at the floor of the upper valley (near MW-40). The bedrock surface is encountered between 4 and 12 feet bgs on the side-slopes of the valley, and encountered at approximately 27 feet bgs at the upper valley floor.

The near surface geology of the lower valley that runs from MW-19 to MW-45 consists primarily of silty/sandy clays and bedrock (sandstone or shale). Some clayey/silty sands are also present. The bedrock surface is encountered across this area between approximately 18 and 27 feet bgs.

## 1.5 ENVIRONMENTAL/REMEDATION HISTORY

Two groundwater seeps that contained elevated levels of dissolved benzene, toluene, ethylbenzene, and total xylenes (BTEX) and phase-separated hydrocarbons (PSH) were discovered at the Site in April 1995. The seeps were discovered in a drainage associated with Wilson Creek, located both upstream (south) and downstream (north) of the Field Office. Texaco Exploration and Production Inc. (Texaco) initiated investigations in November 1995 that included digging test pits with a backhoe, installing monitor wells (MW-1 through MW-5), and constructing recovery trenches (Trench #1, Trench #2, and Trench #3). The trenches were installed to intercept groundwater and PSH in the alluvium. Collected fluids were piped to above-ground storage tanks and disposed of via injection wells associated with the Wilson Creek Unit. Trench #1 was installed near the downstream seep, on the north side of the Site. Trench #2 was installed between the Field Office and Trench #3, down-gradient of the catch tanks. Trench #3 was installed immediately down-gradient of the upstream seep. A Site map is presented on **Figure 2**.

An Administrative Order of Consent was issued by the COGCC in December 1999 requiring Texaco to evaluate the effectiveness of the recovery trenches, assess groundwater concentrations, and determine source(s) for the hydrocarbons. The evaluation was completed and results were submitted to the COGCC in the *Corrective Measures Evaluation Report, Texaco Exploration and Production Inc., Wilson Creek Unit, Rio Blanco County, Colorado*, dated April 30, 2000 (Highlander, 2000). The report concluded that further investigation was necessary to assess the effectiveness of the recovery trenches, assess the groundwater conditions, and determine possible source(s) for the hydrocarbons.

During December 2000 and July 2001, groundwater samples were collected at 68 locations (SP-1 through SP-68) using direct-push technology to establish preliminary limits for the groundwater plume. During October and November 2001, monitor wells MW-6 through MW-32, excluding MW-19 and MW-27, were installed to monitor groundwater and PSH.

In June 2002, an air sparge pilot test was performed, and was expanded in September 2002 with the installation of a six-well (SW-1 through SW-6) air sparge system (Air Sparge Phase 1) to evaluate the technology for remediation of the dissolved BTEX plume. Nine monitor wells (MW-19, MW-27, and MW-33 through MW-39) were also installed to further assess BTEX concentrations in groundwater, distribution of PSH, and to monitor effectiveness of the air sparge system. Groundwater samples were collected from the monitor wells during semi-annual groundwater monitoring events in June and December 2002. The investigations were summarized in an annual report submitted by Larson and Associates, Inc. (Larson) to the COGCC on April 25, 2003 (Larson, 2003).



## 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

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In 2003 and 2004, six additional monitor wells were installed (MW-40 through MW-45) to monitor BTEX concentrations and PSH, and six recovery wells (RW-1 through RW-6) were installed to expand the capture zone of Trench #3. Five temporary piezometers were installed to measure depth to groundwater and PSH accumulation thickness in the former emergency overflow pit area. Soil samples were collected from 26 direct-push borings installed to assess areas near the former emergency overflow pit and the catch tanks. Additionally, the horizontal hydraulic conductivity was determined for the alluvium from slug tests performed in select monitor wells.

In 2003, soil vapor extraction (SVE) pilot tests were conducted in the vicinity of the crude oil and water tanks to assess effectiveness of SVE technology for removing PSH.

In April 2004, the air sparge equipment at Air Sparge Phase 1 was upgraded and Air Sparge Phase 2 was installed. Air Sparge Phase 2 included five sparge wells (SW-7 through SW-11) installed near the leading (north) edge of the dissolved BTEX plume.

In July 2005, monitor wells MW-46 and MW-47A were installed to assess the lateral groundwater concentrations in the vicinity of MW-44 and to monitor groundwater near the condensate source area. In addition, excavation activities were conducted by Larson at the former emergency overflow pit. Larson and SECOR International, Inc. (SECOR) also conducted further investigation at the condensate release areas (near MW-47A) which was a follow up to a June 2002 investigation by Larson. Results from the 2005 events were summarized in the *2005 Annual Report*, dated February 2006 (SECOR, 2006).

Surface water sampling became a routine part of the Site monitoring in April 2006. The excavation at the former emergency overflow pit was continued in July 2006 following the abandonment of infrastructure in the area. Results from the 2006 activities were summarized in the *2006 Annual Report*, dated February 2007 (SECOR, 2007).

Equipment at Air Sparge Phase 2 was turned off in April 2007 and renamed Air Sparge System #2. Fluid extraction equipment was turned off at Trench #2 and Trench #3 in April 2007 and at Trench #1 in September 2007. Air Sparge Phase 1 was upgraded and expanded in fall 2007 and renamed Air Sparge System #1. Air Sparge System #1 consisted of two separate systems: Trench #2 System (a low-pressure system) and Trench #3 System (a high-pressure system). Results from the 2007 activities were summarized in the *2007 Annual Report*, dated March 2008 (SECOR, 2008).

A PSH accumulation evaluation was conducted between October 2008 and October 2009. The evaluation included monthly gauging conducted at a specific set of wells to evaluate PSH presence and accumulation.

Air Sparge System #1 was shut down at the beginning of 2012 to evaluate the system's effectiveness on remediating the BTEX groundwater plume.

A review of data collected from Site monitor wells was performed in 2013 and indicated that operation of Air Sparge System #1 did not significantly affect the size and stability of the BTEX groundwater plume. Results from the 2013 evaluation were summarized in the *2013 Annual BTEX Groundwater Plume Monitoring and Sampling Report*, dated March 2014 (Stantec, 2014).

## 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

Site Background  
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In April 2015, the COGCC requested, as part of the conditional approval of the *2015 Proposed Work Plan* (Stantec, 2015), that quarterly gauging of all Site monitor wells be conducted to evaluate the presence of PSH. The first of the quarterly gauging events was completed in June 2015 during the annual groundwater monitoring event.

# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

2015 Groundwater Gauging  
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## 2.0 2015 Groundwater Gauging

Groundwater levels and PSH measurements were collected and recorded to the nearest  $\pm 0.01$ -foot using a water level indicator and an oil-water interface probe (where applicable). A qualitative description of hydrocarbon type (condensate or crude oil) was recorded as necessary for observed PSH during monitoring. Groundwater elevation data from the June 2015 monitoring event were used to develop groundwater elevation contours and determine the groundwater gradient and flow direction. Monitor well construction details are summarized in **Table 1**. Current (June 2015) and historical groundwater elevation and PSH thickness data for Site monitor wells are summarized in **Table 2**.

During the June 2015 groundwater monitoring event, 46 BTEX plume monitor/SVE wells were gauged using a water level indicator and oil-water interface probe (where applicable). These measurements were collected on June 8, 2015 at 44 monitor wells (MW-1 through MW-7, MW-9 through MW-21, MW-22R, MW-23, MW-25 through MW-40, MW-42 through MW-46, and MW-47A) and two SVE wells (SVE-1 and SVE-2). During the June 2015 field event, four monitor wells and one SVE well (MW-3, MW-14, MW-42, MW-47A, and SVE-2) contained measurable amounts of PSH accumulation ranging from 0.01 feet to 0.44 feet.

The direction of groundwater flow in the Main Processing Area (lower valley) tends to flow from mountains on the northeast and southwest into the valley. Within the valley, the groundwater flows generally from southwest to northeast at a gradient of approximately 0.06 to 0.07 feet per foot (ft/ft). Within the upper valley area, the groundwater flows generally from south to north at a gradient of approximately 0.05 to 0.17 ft/ft. Groundwater flow direction and gradient for 2015 BTEX plume monitor and SVE wells are consistent with historical groundwater flow directions and gradients. A groundwater potentiometric surface map including the groundwater flow directions and gradients for June 2015 is presented on **Figure 3**.

# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

2015 Groundwater Sampling and Analytical Results  
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## 3.0 2015 Groundwater Sampling and Analytical Results

### 3.1 GROUNDWATER SAMPLING PROTOCOL

Following groundwater gauging and annular purge volume calculations, a minimum of three well-casing volumes of water were removed from each groundwater monitor well using disposable hand bailers prior to sampling. Groundwater samples were collected after allowing monitor wells to recharge to within 80 percent (%) of the initial water column measurement.

Geochemical field parameters were measured using a water quality multi-meter during well purging activities. Dissolved oxygen (DO), oxidation-reduction potential (ORP), temperature, specific conductance (EC), and pH were recorded after each well-casing volume was purged. Geochemical field parameter data are presented in **Table 3**.

### 3.2 GROUNDWATER SAMPLE HANDLING AND ANALYSIS

Following collection, groundwater samples were labeled, logged on a laboratory chain-of-custody, and placed on ice in an insulated cooler to maintain a temperature of approximately 40 degrees Fahrenheit (° F) (or 4 degrees Celsius [° C]). Samples were shipped to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania. Standard chain-of-custody documentation and protocol were maintained throughout the sampling and analysis process.

Groundwater samples collected from BTEX plume monitor and SVE wells (including duplicates and trip blanks) were analyzed for BTEX constituents by United States Environmental Protection Agency (USEPA) Method 8021B (SW-846).

### 3.3 GROUNDWATER ANALYTICAL RESULTS

During the June 2015 groundwater sampling event (June 8 through 12, 2015), groundwater samples were collected from 40 BTEX plume groundwater monitor wells (MW-1, MW-2, MW-4 through MW-7, MW-9 through MW-13, MW-15 through MW-21, MW-22R, MW-23, MW-25 through MW-40, and MW-43 through MW-46) and one SVE well (SVE-1). Four BTEX plume monitor wells (MW-3, MW-14, MW-42, and MW-47A) and one SVE well (SVE-2) were not sampled because they were all found to contain measurable amounts of PSH.

Groundwater analytical results for BTEX plume monitor wells sampled during the June 2015 event are presented in **Table 4** and on **Figure 4**. Laboratory analysis reports and chain-of-custody documents are presented as **Appendix A**. A summary of June 2015 groundwater analytical results is as follows:

- **Benzene** was detected in 20 monitor wells and one SVE well at concentrations ranging from 0.0013 milligrams per liter (mg/L) (MW-1) to 11 mg/L (MW-10).
- **Toluene** was detected three monitor wells at concentrations of 0.0021 mg/L (MW-44), 0.21 mg/L (MW-40), and 0.48 mg/L (MW-10).

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2015 Groundwater Sampling and Analytical Results  
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- **Ethylbenzene** was detected in 19 monitor wells and one SVE well at concentrations ranging from 0.0011 mg/L (MW-1) to 1.5 mg/L (MW-10).
- **Total Xylenes** were detected in 10 monitor wells and one SVE well at concentrations ranging from 0.0020 mg/L (MW-15) to 8 mg/L (MW-10).

# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

2015 BTEX and PSH Plume Trending in Groundwater  
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## 4.0 2015 BTEX and PSH Plume Trending in Groundwater

Phase-separated hydrocarbon levels and analytical data for samples from 46 Site wells, which include 44 groundwater monitor wells (MW-1 through MW-7, MW-9 through MW-21, MW-22R, MW-23, MW-25 through MW-40, MW-42 through MW-46, and MW-47A) and two SVE wells (SVE-1 and SVE-2), were trended to evaluate the overall stability of the BTEX and PSH plumes. **Figure 2** presents locations of these wells. Each of the 46 wells was placed into one of three categories for evaluation of the BTEX plume: plume wells, perimeter wells, and distal wells.

Analytical results were trended from 2001 to the present. The year 2001 marks the approximate beginning of remedial system operation on Site. Data reported as being below detection limits were plotted as being equal to the detection limit for the purposes of trending.

### 4.1 PLUME WELL TRENDING

Twenty-five Site wells (MW-2, MW-3, MW-10, MW-12, MW-13, MW-14, MW-15, MW-17, MW-19, MW-20, MW-22/MW-22R, MW-26, MW-27, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, MW-40, MW-42, MW-44, MW-47A, SVE-1, and SVE-2) were classified as plume wells and were selected to represent the interior of the hydrocarbon plume at the Site.

Of the plume wells, 13 contained measurable amounts of PSH during at least one sampling event after 2005 (MW-2, MW-3, MW-10, MW-12, MW-14, MW-15, MW-33, MW-40, MW-42, MW-44, MW-47A, SVE-1, and SVE-2). **Figures 5-1 through 5-6** present the PSH trends for these wells. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. Only five wells were found to contain measurable amounts of PSH in June 2015. Three wells (MW-14, MW-42, and SVE-2) were found to contain less than 0.10 feet of PSH in June 2015. Wells MW-3 (0.44 feet; shown on **Figure 5-5**) and MW-47A (0.12 feet; shown on **Figure 5-1**) were found to contain PSH in excess of 0.10 feet. This is the second observance (first observance was in August 2014) of PSH in MW-42 since monitoring of the well began in July 2003. MW-42 is located down-gradient of the current Tank Battery and down-gradient of abandoned monitor wells MW-24 and MW-41, both of which historically contained PSH dating back to 2003 and 2004, respectively. The occurrence of PSH in MW-42 may be related to recent groundwater fluctuations; as of June 2015, the groundwater elevation in MW-42 has risen 10.61 feet from the historic low (since monitoring began) measured in October 2012. In addition, eight wells (MW-2, MW-10, MW-12, MW-15, MW-33, MW-40, MW-44, and SVE-1) that historically had measureable PSH have shown a generally decreasing dissolved benzene concentration as of the June 2015 sampling event as shown on **Table 4**.

**Figures 6-1 through 6-6** present the 12 remaining plume wells (MW-13, MW-17, MW-19, MW-20, MW-22/MW-22R, MW-26, MW-27, MW-34, MW-35, MW-36, MW-37, and MW-38) that were trended for dissolved benzene concentrations in groundwater. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. All 12 wells have exhibited an overall decreasing concentration trend with the exception of MW-34. A notable increase in concentration was observed at MW-34 between 2006 and 2007, but dissolved benzene concentrations have exhibited a decreasing trend since 2007 (shown on **Figure 6-2**).



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2015 BTEX and PSH Plume Trending in Groundwater  
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## 4.2 PERIMETER WELL TRENDING

Fifteen monitor wells (MW-4, MW-6, MW-7, MW-9, MW-11, MW-16, MW-18, MW-21, MW-23, MW-25, MW-28, MW-29, MW-39, MW-43, and MW-46) were classified as perimeter wells and were selected to represent the boundary of the hydrocarbon plume at the Site.

**Figures 7-1 through 7-6** present the benzene trends for these 15 wells. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. All 15 wells with detectable dissolved benzene concentrations exhibited an overall decreasing concentration trend.

## 4.3 DISTAL WELL TRENDING

Six monitor wells (MW-1, MW-5, MW-30, MW-31, MW-32, and MW-45) were classified as distal wells and were selected to represent the most down-gradient portion of the hydrocarbon plume at the Site.

**Figures 8-1 and 8-2** present the benzene trends for these six wells. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. All six wells with detectable dissolved benzene concentrations exhibited stable or decreasing concentration trends.

## 4.4 SUMMARY OF TRENDING

Collective evaluation of the benzene trending data through June 2015 suggests the BTEX plume is delineated in the downgradient direction, and the overall BTEX plume is shrinking. Dissolved concentration data collected from wells representing the interior, perimeter, and distal end of the plume show decreasing benzene concentrations. Similar trends in plume size and stability have been observed since 2006.

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2015 Surface Water Sampling and Analytical Results  
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## 5.0 2015 Surface Water Sampling and Analytical Results

### 5.1 SURFACE WATER SAMPLING PROTOCOL

Wilson Creek is down-gradient from four ponds that are a part of the Wilson Creek Unit SPCC Plan and other on-Site surface water areas. Grab surface water samples are collected to monitor the effect of the drainage on Wilson Creek. Surface water samples were collected from the drainage areas associated with the Site. Surface water sample SW-1 was collected from surface water present down-gradient from the crude oil water tanks and east of MW-10. Surface water sample SW-2 was collected from surface water down-gradient from the former Air Sparge System #2 wells and near MW-45. Surface water sample Pond-1 was collected from the west bank (adjacent to County Road #9) of pond number one (the most up-gradient of the four SPCC ponds). Surface water sampling locations are indicated on **Figure 2**.

### 5.2 SURFACE WATER SAMPLE HANDLING AND ANALYSIS

Surface water samples (SW-1, SW-2, and Pond-1) were labeled, logged on a laboratory chain-of-custody, and placed on ice in an insulated cooler to maintain a temperature of approximately 40° F (4° C). The samples were analyzed for BTEX (USEPA Method 8021B [SW-846]) by Eurofins Lancaster Laboratories in Lancaster, Pennsylvania. Proper chain-of-custody protocol was maintained throughout the sampling and analysis process.

### 5.3 SURFACE WATER ANALYTICAL RESULTS

Analytical results for the surface water samples collected in June 2015 are presented in **Table 5**. Laboratory analytical reports are presented in **Appendix A**.

Three surface water samples (SW-1, SW-2, and Pond-1) were collected from the Site on June 12, 2015. Benzene was detected in surface water samples SW-1 and SW-2 at a concentration of 0.0021 mg/L. BTEX constituents were not detected in surface water sample Pond-1 in June 2015.

Surface water results from 2015 are consistent with historical data collected since sampling began in 2006. BTEX constituents are typically detected in samples collected from the SW-1 location and occasionally from the SW-2 location. However, at both locations, dissolved benzene concentrations are currently below the Colorado Department of Public Health and Environment Water Quality Control Commission (CDPHE-WQCC) Basic Standard of 0.0022 mg/L. SW-1 and SW-2 are both located at topographic low areas and are at approximately the same elevation as local groundwater. BTEX constituents have not been detected in samples collected from the Pond-1 location since routine sampling began in 2006. Historic surface water results indicate that BTEX constituents in the on-Site drainage attenuate to levels that are less than analytical detection limits prior to reaching Wilson Creek.

# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

Quality Assurance/Quality Control  
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## 6.0 Quality Assurance/Quality Control

All non-disposable field equipment (i.e., water level indicator and oil-water interface probe) were decontaminated with a low-phosphate soap (Liquinox®) and distilled-water rinse prior to field activities and between each monitor well location. An isopropyl alcohol rinse was used to remove any PSH before using the Liquinox® and distilled-water rinse. Disposable hand bailers were used and nitrile gloves donned prior to sampling each monitor well location. Bailers and nitrile gloves were disposed of following sample collection at each location. A multi-meter, used to measure geochemical field parameters, was calibrated daily. Specific quality assurance/quality control (QA/QC) procedures implemented for this project are described below.

### 6.1 DUPLICATE SAMPLES

Field duplicate samples, collected immediately succeeding the original samples, used identical recovery techniques, and were treated in an identical manner during storage and transportation. Duplicate samples were collected to assure accuracy of testing methods by the laboratory. Analytical data for duplicate groundwater samples collected during the June 2015 event are presented below and in **Table 4**. Duplicate samples were not collected at any surface water locations during 2015.

Five duplicate samples (Dup-01 through Dup-05) were collected during the June 2015 groundwater sampling event as follows:

- Dup-01 was collected from monitor well MW-2;
- Dup-02 was collected from monitor well MW-7;
- Dup-03 was collected from monitor well MW-44;
- Dup-04 was collected from monitor well MW-19; and
- Dup-05 was collected from monitor well MW-10.

Duplicate samples collected during June 2015 showed an average relative percent difference of approximately 15.8%. Original and duplicate sample analytical concentrations are presented in the table below.

Sample ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	6/11/2015	<0.0062	<0.0050	0.0053	<0.0082
Dup-01	6/11/2015	0.0057	<0.0050	<0.0050	<0.0086
MW-7	6/9/2015	<0.0020	<0.0010	<0.0010	<0.0050
Dup-02	6/9/2015	<0.0020	<0.0010	<0.0010	<0.0050
MW-44	6/10/2015	0.025	0.0021	0.0048	0.0081
Dup-03	6/10/2015	0.029	<0.0010	0.0032	<0.0067
MW-19	6/11/2015	0.29	<0.010	0.13	0.23
Dup-04	6/11/2015	0.24	<0.0050	0.12	0.22
MW-10	6/12/2015	11	0.48	1.5	8
Dup-05	6/12/2015	9.8	0.37	1.4	7.3

## 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

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### 6.2 TRIP BLANKS

Trip blanks are laboratory-provided sample containers filled with deionized water and sealed. Trip blanks are used to detect potential cross-contamination which may occur between the samples and potential volatile organic compounds in the atmosphere. Two trip blank vials were provided by Eurofins Lancaster Laboratories with each cooler containing groundwater and surface water samples. The trip blanks were analyzed by Eurofins Lancaster Laboratories for BTEX compounds using USEPA Method 8021B (SW-846). BTEX compounds were not detected in the trip blanks submitted during June 2015.

### 6.3 HOLDING TIME LIMITS

Holding times vary with the analyte, sample matrix, and analytical methodology. Holding times are specified in the USEPA *Test Methods for Evaluating Solid Waste Physical/Chemical Methods*, SW-846 (USEPA, 1993). All laboratory analyses were performed within specified holding times.

### 6.4 LABORATORY QA/QC

Laboratory QA/QC data are provided in the laboratory analytical reports presented in **Appendix A**.

# 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

Overview and Recommendations  
November 17, 2015

## 7.0 Overview and Recommendations

### 7.1 OVERVIEW

During June 2015, annual groundwater monitoring and sampling and annual surface water sampling was conducted. The groundwater flow direction and gradient in 2015 are consistent with historical data. A total of 40 BTEX plume groundwater monitor wells and one SVE well were sampled during June 2015.

The extent of PSH observed in monitor wells in 2015 is consistent with historical PSH measurements. The measured apparent thicknesses are generally stable and declining. Two of the five wells that contained measurable amounts of PSH during June 2015 had an apparent PSH thickness greater than 0.10 feet (MW-3 and MW-47A). The recent occurrence of PSH in MW-42 may be a result of groundwater fluctuations; the groundwater elevation has risen over 10 feet since October 2012. Eight wells that historically had measurable PSH have shown a generally decreasing dissolved benzene concentration as of the June 2015 sampling event.

Collective evaluation of the benzene trending data suggests that the BTEX plume is delineated in the downgradient direction, and the overall BTEX plume is continuing to decrease. Data collected from wells representing the interior, perimeter, and distal end of the plume indicate that detectable dissolved benzene concentrations continue to exhibit an overall decreasing trend. All six distal wells had benzene concentrations less than 0.01 mg/L or the method detection limit.

Low benzene concentrations were detected at two (SW-1 and SW-2) of the three surface water sampling locations in June 2015; the concentrations were below the CDPHE-WQCC Basic Standard of 0.0022 mg/L. Surface water results from 2015 are consistent with data collected since sampling began in 2006. Historical surface water results indicate that BTEX constituents in Site drainage attenuate to levels less than analytical detection limits before reaching Wilson Creek.

### 7.2 RECOMMENDATIONS

The following recommendations for the remainder of 2015 and for 2016 are based on data gathered during the 2015 annual groundwater monitoring and sampling event as well as historical Site data and the conditional approval of the *2015 Proposed Work Plan* by the COGCC:

- Conduct 2016 comprehensive annual groundwater monitoring and sampling event in the second or third quarter of 2016.
- Conduct 2016 annual surface water sampling event in the second or third quarter of 2016.
- Conduct quarterly gauging of all monitor wells for depth to water and/or depth to PSH in the third and fourth quarters of 2015 (currently in progress), and review data and recommendation for continued monitoring with the COGCC in the first quarter of 2016.

## 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

Overview and Recommendations

November 17, 2015

- Complete updates to the Conceptual Site Model (CSM) as requested by the COGCC, and review alternatives for addressing the remaining PSH and BTEX in groundwater (currently in progress).

## 2015 ANNUAL EVENT - BTEX GROUNDWATER PLUME MONITORING AND SAMPLING REPORT

References

November 17, 2015

### 8.0 References

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## Tables

**Table 1**  
**Summary of Monitor, SVE, Recovery, and Sparge Well Construction Details**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Installed	Depth Drilled (Feet bgs)	Well Depth (Feet Below TOC)	TOC Elevation (Feet AMSL)	Ground Elevation (Feet AMSL)	Casing Stickup (Feet)	Screen Interval (Feet bgs)
MW-1	11/16/1995	41.20	43.80	7692.22	7689.95	2.27	26.0 - 40.50
MW-2	11/16/1995	27.00	23.07	7763.97	7761.97	2.00	6.80 - 21.30
MW-3	11/17/1995	24.50	21.01	7764.17	7762.25	1.92	7.30 - 21.80
MW-4	11/17/1995	18.60	20.09	7761.23	7759.24	1.99	8.40 - 17.90
MW-5	08/27/1996	20.00	25.10	7649.66	7647.56	2.10	5.00 - 20.00
MW-6	11/10/2001	22.18	25.20	7832.94	7829.92	3.02	7.13 - 21.62
MW-7	11/09/2001	19.68	22.71	7826.51	7823.48	3.03	9.66 - 19.12
MW-8	11/09/2001	20.01	22.97	7822.75	7819.79	2.96	9.99 - 19.45
MW-9	11/10/2001	35.00	37.94	7830.01	7826.59	3.42	18.17 - 32.96
MW-10	11/10/2001	20.55	22.92	7801.92	7799.55	2.37	5.50 - 19.99
MW-11	11/08/2001	25.88	29.36	7797.34	7793.86	3.48	10.83 - 25.32
MW-12	10/31/2001	21.20	22.57	7788.64	7786.27	2.37	5.15 - 19.66
MW-13	10/31/2001	20.40	22.91	7791.22	NM	2.51	5.35 - 19.84
MW-14	11/09/2001	23.00	25.36	7813.34	7811.03	2.31	7.90 - 22.39
MW-15	11/10/2001	55.00	58.13	7891.06	7887.78	3.28	39.8 - 54.29
MW-16	11/08/2001	58.50	61.75	7809.07	7805.72	3.35	43.35 - 57.84
MW-17	10/31/2001	22.50	24.97	7780.11	7777.64	2.47	7.45 - 21.94
MW-18	11/06/2001	24.25	27.25	7789.89	NM	3.00	13.89 - 24.25
MW-19	06/26/2002	25.00	26.80	7820.57	7818.01	2.56	7.75 - 22.50
MW-20	10/29/2001	21.00	25.47	7759.64	7757.27	2.37	5.68 - 20.17
MW-21	10/29/2001	17.67	19.03	7763.89	7762.53	1.36	7.68 - 17.11
MW-22	11/11/2001	28.25	31.60	7751.84	7748.49	3.35	13.2 - 27.69
MW-22R	7/30/2005	28.13	31.03	7751.38	NM	2.83	13.01 - 27.77
MW-23	10/29/2001	22.60	23.95	7749.92	7748.57	1.35	7.55 - 22.04
MW-24	10/30/2001	20.75	23.21	7736.37	NM	NM	5.70 - 20.19
MW-25	11/03/2001	30.00	26.58	7740.45	7737.59	2.86	8.67 - 23.16
MW-26	11/01/2001	21.10	23.94	7706.08	7703.54	2.84	6.14 - 20.54
MW-27	06/27/2002	21.00	23.39	7814.57	7812.10	2.47	4.75 - 19.50
MW-28	11/04/2001	31.32	34.52	7700.84	7697.64	3.20	16.27 - 30.76
MW-29	10/30/2001	25.00	26.19	7699.98	7698.31	1.67	9.47 - 23.96
MW-30	11/04/2001	38.00	39.81	7708.29	7705.62	2.67	22.09 - 36.58
MW-31	10/31/2001	21.89	24.42	7679.15	7676.62	2.53	6.84 - 23.33
MW-32	10/31/2001	19.25	21.91	7659.41	7656.75	2.66	4.20 - 18.69
MW-33	06/27/2002	20.00	23.17	7807.12	7804.51	2.61	4.75 - 19.50
MW-34	06/27/2002	22.00	24.05	7809.32	7806.12	3.20	6.75 - 21.50
MW-35	06/26/2002	33.00	35.29	7824.39	7821.91	2.48	14.75 - 29.50
MW-36	06/28/2002	21.50	23.63	7780.21	7777.95	2.36	6.32 - 20.81
MW-37	06/28/2002	23.59	23.59	7780.51	7777.78	2.73	5.81 - 20.30
MW-38	09/26/2002	20.56	20.56	7787.95	7785.01	2.94	7.15 - 16.54
MW-39	09/26/2002	20.56	20.56	7783.66	7780.75	2.91	7.25 - 16.64
MW-40	07/15/2003	30.35	33.02	7954.56	7951.89	2.67	10.19 - 30.02
MW-41	07/15/2003	24.15	26.73	7733.13	NM	NM	8.93 - 23.82
MW-42	07/15/2003	19.00	21.29	7715.96	7713.67	2.29	3.96 - 18.67
MW-43	06/17/2004	81.60	84.70	7996.76	7994.05	2.71	61.44 - 81.27
MW-44	06/18/2004	96.15	100.08	8015.28	8012.36	2.92	75.99 - 95.82
MW-45	06/22/2004	20.21	20.21	7689.74	7686.85	2.89	4.99 - 19.85
MW-46	7/28/2005	120.07	121.43	8077.59	8074.80	2.86	98.55 - 118.14
MW-47A	7/29/2005	36.50	36.35	8032.35	8029.41	3.00	23.24 - 32.92

**Table 1**  
**Summary of Monitor, SVE, Recovery, and Sparge Well Construction Details**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Installed	Depth Drilled (Feet bgs)	Well Depth (Feet Below TOC)	TOC Elevation (Feet AMSL)	Ground Elevation (Feet AMSL)	Casing Stickup (Feet)	Screen Interval (Feet bgs)
SVE-1	7/16/2003	9.00	9.00	7812.45	NM	NM	3.00 - 8.00
SVE-2	7/15/2003	9.00	9.00	7805.17	NM	NM	4.00 - 9.00
RW-1	12/17/2003	17.00	18.17	7790.35	7788.19	2.50	5.28 - 15.18
RW-2	12/17/2003	15.00	17.43	7790.82	7788.58	2.50	4.11 - 14.01
RW-3	12/16/2003	15.00	17.85	7790.36	7788.23	2.60	3.21 - 13.61
RW-4	07/20/2004	18.52	18.08	7787.50	7787.70	-0.20	3.00 - 17.40
RW-5	07/2020/04	19.60	18.70	7787.81	7787.95	-0.14	3.67 - 18.03
RW-6	07/20/2004	16.65	18.51	7787.91	7786.05	1.86	1.67 - 16.03
SW-1	06/23/2003	12.86	15.39	7780.77	7778.17	2.60	10.48 - 12.38
SW-2	09/25/2002	14.54	17.44	7790.42	7787.61	2.81	12.61 - 13.98
SW-3	09/25/2002	15.00	17.44	7788.92	7785.93	2.99	11.91 - 13.28
SW-4	09/25/2002	15.00	17.44	7788.37	7785.00	3.37	10.61 - 11.98
SW-5	09/25/2002	15.00	17.44	7786.57	7783.85	2.72	11.36 - 12.73
SW-6	09/26/2002	12.07	17.44	7781.04	7778.02	3.02	10.14 - 11.51
SW-7	06/14/2004	25.00	25.72	7713.45	7709.73	3.72	20.08 - 22.00
SW-8	06/14/2004	30.00	32.45	7706.38	7703.13	3.25	27.86 - 29.62
SW-9	06/15/2004	35.00	37.44	7705.02	7701.65	3.37	32.08 - 33.84
SW-10	06/15/2004	38.00	42.44	7696.66	7693.58	3.08	35.78 - 37.54
SW-11	06/16/2004	50.00	52.50	7696.94	7693.70	3.24	45.06 - 46.82

**Notes:**

1. bgs: Below ground surface
2. TOC: Top of Casing
3. AMSL: Above mean sea level
4. MW: Monitor Well
5. SVE: Soil Vapor Extraction Well
6. NM: Not Measured
7. RW: Recovery Well
8. SW: Sparge Well
9. MW-13, MW-18, MW-22R, MW-24, and MW-41 resurveyed 04/2009
10. MW-24, MW-41, and SW-7 through SW-11 were abandoned on 7/18/2011
11. MW-8 destroyed winter of 2013/2014

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-1	11/12/2001	7692.22	NA	31.05	0.00	NA	7661.17
	6/27/2002	7692.22	NA	31.29	0.00	NA	7660.93
	12/15/2002	7692.22	NA	31.95	0.00	NA	7660.27
	7/16/2003	7692.22	NA	30.74	0.00	NA	7661.48
	12/16/2003	7692.22	NA	31.47	0.00	NA	7660.75
	6/9/2004	7692.22	NA	30.94	0.00	NA	7661.28
	12/5/2004	7692.22	NA	30.21	0.00	NA	7662.01
	6/21/2005	7692.22	NA	29.84	0.00	NA	7662.38
	11/8/2005	7692.22	NA	31.09	0.00	NA	7661.13
	4/10/2006	7692.22	NA	30.02	0.00	NA	7662.20
	10/9/2006	7692.22	NA	30.73	0.00	NA	7661.49
	4/24/2007	7692.22	NA	29.90	0.00	NA	7662.32
	10/9/2007	7692.22	NA	30.41	0.00	NA	7661.81
	4/23/2008	7692.22	NA	29.25	0.00	NA	7662.97
	10/13/2008	7692.22	NA	30.42	0.00	NA	7661.80
	4/28/2009	7692.22	NA	29.03	0.00	NA	7663.19
	10/12/2009	7692.22	NA	30.45	0.00	NA	7661.77
	4/12/2010	7692.22	NA	30.09	0.00	NA	7662.13
	9/27/2010	7692.22	NA	30.50	0.00	NA	7661.72
	5/16/2011	7692.22	NA	28.54	0.00	NA	7663.68
10/10/2011	7692.22	NA	30.36	0.00	NA	7661.86	
6/4/2012	7692.22	NA	30.64	0.00	NA	7661.58	
10/1/2012	7692.22	NA	31.07	0.00	NA	7661.15	
9/16/2013	7692.22	NA	31.20	0.00	NA	7661.02	
8/11/2014	7692.22	NA	30.18	0.00	NA	7662.04	
6/8/2015	7692.22	NA	29.34	0.00	NA	7662.88	
MW-2	11/12/2001	7763.97	NA	15.55	0.00	NA	7748.42
	6/27/2002	7763.97	NA	15.81	0.00	NA	7748.16
	12/15/2002	7763.97	NA	16.32	0.00	NA	7747.65
	7/16/2003	7763.97	NA	14.37	0.00	NA	7749.60
	12/16/2003	7763.97	NA	15.86	0.00	NA	7748.11
	6/9/2004	7763.97	NA	14.29	0.00	NA	7749.68
	12/5/2004	7763.97	14.21	14.60	0.39	7749.76	7749.37
	6/21/2005	7763.97	NA	11.28	0.00	NA	7752.69
	11/8/2005	7763.97	NA	14.71	0.00	NA	7749.26
	4/11/2006	7763.97	NA	10.95	0.00	NA	7753.02
	10/9/2006	7763.97	NA	14.12	0.00	NA	7749.85
	4/24/2007	7763.97	NA	10.30	0.00	NA	7753.67
	7/25/2007	7763.97	NA	11.89	0.00	NA	7752.08
	10/9/2007	7763.97	NA	12.46	0.00	NA	7751.51
	4/23/2008	7763.97	NA	8.48	0.00	NA	7755.49
	10/13/2008	7763.97	NA	13.02	0.00	NA	7750.95
	4/28/2009	7763.97	NA	7.24	0.00	NA	7756.73
	10/12/2009	7763.97	NA	12.69	0.00	NA	7751.28
	4/12/2010	7763.97	11.72	11.73	0.01	7752.25	7752.24
	9/27/2010	7763.97	12.12	12.13	0.01	7751.85	7751.84
5/16/2011	7763.97	NA	6.18	0.00	NA	7757.79	
10/10/2011	7763.97	NA	11.57	0.00	NA	7752.40	
6/4/2012	7763.97	NA	11.62	0.00	NA	7752.35	
10/1/2012	7763.97	13.71	13.72	0.01	7750.26	7750.25	
9/16/2013	7763.97	NA	13.12	0.00	NA	7750.85	
8/11/2014	7763.97	NA	11.05	0.00	NA	7752.92	
6/8/2015	7763.97	NA	6.82	0.00	NA	7757.15	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-3	11/12/2001	7764.17	15.72	15.85	0.13	7748.45	7748.32
	6/27/2002	7764.17	15.84	16.05	0.21	7748.33	7748.12
	12/15/2002	7764.17	16.12	16.63	0.51	7748.05	7747.54
	7/16/2003	7764.17	14.21	14.65	0.44	7749.96	7749.52
	12/16/2003	7764.17	15.98	16.61	0.63	7748.19	7747.56
	6/9/2004	7764.17	14.00	14.57	0.57	7750.17	7749.60
	12/5/2004	7764.17	13.99	15.15	1.16	7750.18	7749.02
	6/21/2005	7764.17	11.31	11.64	0.33	7752.86	7752.53
	11/8/2005	7764.17	15.04	16.27	1.23	7749.13	7747.90
	4/11/2006	7764.17	9.83	9.84	0.01	7754.34	7754.33
	10/9/2006	7764.17	14.50	14.71	0.21	7749.67	7749.46
	4/26/2007	7764.17	NA	10.39	0.00	NA	7753.78
	7/25/2007	7764.17	NA	12.38	0.00	NA	7751.79
	10/9/2007	7764.17	NA	12.99	0.00	NA	7751.18
	4/23/2008	7764.17	8.81	8.96	0.15	7755.36	7755.21
	10/15/2008	7764.17	13.35	13.50	0.15	7750.82	7750.67
	4/28/2009	7764.17	7.29	7.30	0.01	7756.88	7756.87
	10/12/2009	7764.17	13.06	13.34	0.28	7751.11	7750.83
	4/12/2010	7764.17	11.79	11.90	0.11	7752.38	7752.27
	9/27/2010	7764.17	12.45	12.89	0.44	7751.72	7751.28
	5/16/2011	7764.17	6.25	6.74	0.49	7757.92	7757.43
	10/10/2011	7764.17	11.90	12.30	0.40	7752.27	7751.87
	6/4/2012	7764.17	11.89	12.41	0.52	7752.28	7751.76
10/1/2012	7764.17	14.02	14.53	0.51	7750.15	7749.64	
9/16/2013	7764.17	13.41	13.84	0.43	7750.76	7750.33	
8/11/2014	7764.17	11.30	11.70	0.40	7752.87	7752.47	
6/8/2015	7764.17	7.05	7.49	0.44	7757.12	7756.68	
MW-4	11/12/2001	7761.23	NA	13.39	0.00	NA	7747.84
	6/27/2002	7761.23	NA	13.47	0.00	NA	7747.76
	12/15/2002	7761.23	13.62	13.65	0.03	7747.61	7747.58
	7/16/2003	7761.23	NA	12.53	0.00	NA	7748.70
	12/16/2003	7761.23	13.39	13.42	0.03	7747.84	7747.81
	6/9/2004	7761.23	12.21	12.26	0.05	7749.02	7748.97
	12/5/2004	7761.23	NA	13.56	0.00	NA	7747.67
	6/21/2005	7761.23	NA	9.61	0.00	NA	7751.62
	11/8/2005	7761.23	NA	12.89	0.00	NA	7748.34
	4/11/2006	7761.23	NA	9.61	0.00	NA	7751.62
	10/9/2006	7761.23	NA	12.14	0.00	NA	7749.09
	4/24/2007	7761.23	NA	8.46	0.00	NA	7752.77
	7/25/2007	7761.23	NA	10.15	0.00	NA	7751.08
	10/9/2007	7761.23	NA	10.62	0.00	NA	7750.61
	4/23/2008	7761.23	NA	6.57	0.00	NA	7754.66
	10/15/2008	7761.23	NA	11.19	0.00	NA	7750.04
	4/28/2009	7761.23	NA	6.03	0.00	NA	7755.20
	10/12/2009	7761.23	NA	10.84	0.00	NA	7750.39
	4/12/2010	7761.23	NA	10.02	0.00	NA	7751.21
	9/27/2010	7761.23	NA	10.22	0.00	NA	7751.01
	5/16/2011	7761.23	NA	4.62	0.00	NA	7756.61
	10/10/2011	7761.23	NA	9.72	0.00	NA	7751.51
	6/4/2012	7761.23	NA	9.78	0.00	NA	7751.45
10/1/2012	7761.23	NA	11.74	0.00	NA	7749.49	
9/16/2013	7761.23	NA	11.16	0.00	NA	7750.07	
8/11/2014	7761.23	NA	9.25	0.00	NA	7751.98	
6/8/2015	7761.23	NA	5.35	0.00	NA	7755.88	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-5	11/12/2001	7649.66	6.19	6.38	0.19	7643.47	7643.28
	6/27/2002	7649.66	NA	7.30	0.00	NA	7642.36
	12/15/2002	7649.66	NA	7.34	0.00	NA	7642.32
	7/16/2003	7649.66	NA	6.97	0.00	NA	7642.69
	12/16/2003	7649.66	NA	6.21	0.00	NA	7643.45
	6/9/2004	7649.66	NA	5.64	0.00	NA	7644.02
	12/5/2004	7649.66	NA	15.12	0.00	NA	7634.54
	6/21/2005	7649.66	NA	3.67	0.00	NA	7645.99
	11/8/2005	7649.66	NA	6.48	0.00	NA	7643.18
	4/10/2006	7649.66	NA	2.97	0.00	NA	7646.69
	10/9/2006	7649.66	NA	5.55	0.00	NA	7644.11
	4/24/2007	7649.66	NA	2.71	0.00	NA	7646.95
	10/9/2007	7649.66	NA	2.60	0.00	NA	7647.06
	4/23/2008	7649.66	NA	2.51	0.00	NA	7647.15
	10/13/2008	7649.66	NA	3.60	0.00	NA	7646.06
	4/28/2009	7649.66	NA	2.56	0.00	NA	7647.10
	10/12/2009	7649.66	NA	5.56	0.00	NA	7644.10
	4/12/2010	7649.66	NA	4.09	0.00	NA	7645.57
	9/27/2010	7649.66	NA	6.47	0.00	NA	7643.19
	5/16/2011	7649.66	NA	3.10	0.00	NA	7646.56
10/10/2011	7649.66	NA	6.07	0.00	NA	7643.59	
6/4/2012	7649.66	NA	6.17	0.00	NA	7643.49	
10/1/2012	7649.66	NA	6.63	0.00	NA	7643.03	
9/16/2013	7649.66	NA	6.38	0.00	NA	7643.28	
8/11/2014	7649.66	NA	6.20	0.00	NA	7643.46	
6/8/2015	7649.66	NA	5.12	0.00	NA	7644.54	
MW-6	11/12/2001	7832.94	NA	16.13	0.00	NA	7816.81
	6/27/2002	7832.94	NA	8.86	0.00	NA	7824.08
	12/15/2002	7832.94	NA	19.86	0.00	NA	7813.08
	7/16/2003	7832.94	NA	5.71	0.00	NA	7827.23
	12/16/2003	7832.94	NA	17.53	0.00	NA	7815.41
	6/9/2004	7832.94	NA	4.82	0.00	NA	7828.12
	12/5/2004	7832.94	NA	17.69	0.00	NA	7815.25
	6/21/2005	7832.94	NA	2.70	0.00	NA	7830.24
	11/8/2005	7832.94	NA	14.37	0.00	NA	7818.57
	4/11/2006	7832.94	NA	8.38	0.00	NA	7824.56
	10/9/2006	7832.94	NA	14.95	0.00	NA	7817.99
	4/24/2007	7832.94	NA	4.19	0.00	NA	7828.75
	10/9/2007	7832.94	NA	14.98	0.00	NA	7817.96
	4/23/2008	7832.94	NA	5.92	0.00	NA	7827.02
	10/13/2008	7832.94	NA	13.18	0.00	NA	7819.76
	4/28/2009	7832.94	NA	3.85	0.00	NA	7829.09
	10/12/2009	7832.94	NA	14.19	0.00	NA	7818.75
	4/12/2010	7832.94	NA	12.84	0.00	NA	7820.10
	9/27/2010	7832.94	NA	12.61	0.00	NA	7820.33
	5/16/2011	7832.94	NA	2.37	0.00	NA	7830.57
10/10/2011	7832.94	NA	10.22	0.00	NA	7822.72	
6/4/2012	7832.94	NA	4.95	0.00	NA	7827.99	
10/1/2012	7832.94	NA	16.85	0.00	NA	7816.09	
9/16/2013	7832.94	NA	14.65	0.00	NA	7818.29	
8/11/2014	7832.94	NA	6.83	0.00	NA	7826.11	
6/8/2015	7832.94	NA	2.19	0.00	NA	7830.75	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-7	11/12/2001	7826.51	NA	14.31	0.00	NA	7812.20
	6/27/2002	7826.51	NA	7.43	0.00	NA	7819.08
	12/15/2002	7826.51	NA	17.30	0.00	NA	7809.21
	7/16/2003	7826.51	NA	4.63	0.00	NA	7821.88
	12/16/2003	7826.51	NA	16.91	0.00	NA	7809.60
	6/9/2004	7826.51	NA	4.45	0.00	NA	7822.06
	12/5/2004	7826.51	NA	16.20	0.00	NA	7810.31
	6/21/2005	7826.51	NA	3.41	0.00	NA	7823.10
	11/8/2005	7826.51	NA	13.11	0.00	NA	7813.40
	4/11/2006	7826.51	NA	6.97	0.00	NA	7819.54
	10/9/2006	7826.51	NA	13.65	0.00	NA	7812.86
	4/24/2007	7826.51	NA	4.14	0.00	NA	7822.37
	10/9/2007	7826.51	NA	13.84	0.00	NA	7812.67
	4/23/2008	7826.51	NA	4.94	0.00	NA	7821.57
	10/13/2008	7826.51	NA	11.02	0.00	NA	7815.49
	4/28/2009	7826.51	NA	3.35	0.00	NA	7823.16
	10/12/2009	7826.51	NA	12.22	0.00	NA	7814.29
	4/12/2010	7826.51	NA	10.88	0.00	NA	7815.63
	9/27/2010	7826.51	NA	10.22	0.00	NA	7816.29
	5/16/2011	7826.51	NA	1.89	0.00	NA	7824.62
10/10/2011	7826.51	NA	7.01	0.00	NA	7819.50	
6/4/2012	7826.51	NA	3.02	0.00	NA	7823.49	
10/1/2012	7826.51	NA	15.13	0.00	NA	7811.38	
9/16/123	7826.51	NA	12.42	0.00	NA	7814.09	
8/11/2014	7826.51	NA	4.51	0.00	NA	7822.00	
6/8/2015	7826.51	NA	1.99	0.00	NA	7824.52	
MW-8	11/12/2001	7822.75	NA	10.51	0.00	NA	7812.24
	6/27/2002	7822.75	NA	8.69	0.00	NA	7814.06
	12/15/2002	7822.75	NA	11.15	0.00	NA	7811.60
	7/16/2003	7822.75	NA	7.50	0.00	NA	7815.25
	12/16/2003	7822.75	NA	9.81	0.00	NA	7812.94
	6/9/2004	7822.75	NA	7.47	0.00	NA	7815.28
	12/5/2004	7822.75	NA	9.80	0.00	NA	7812.95
	6/21/2005	7822.75	NA	7.46	0.00	NA	7815.29
	11/8/2005	7822.75	NA	9.61	0.00	NA	7813.14
	4/11/2006	7822.75	NA	8.16	0.00	NA	7814.59
	10/9/2006	7822.75	NA	9.07	0.00	NA	7813.68
	4/24/2007	7822.75	NA	8.54	0.00	NA	7814.21
	10/9/2007	7822.75	NA	10.41	0.00	NA	7812.34
	4/23/2008	7822.75	NA	8.85	0.00	NA	7813.90
	10/13/2008	7822.75	NA	10.75	0.00	NA	7812.00
	4/28/2009	7822.75	NA	7.51	0.00	NA	7815.24
	10/12/2009	7822.75	NA	11.14	0.00	NA	7811.61
	4/12/2010	7822.75	NA	9.77	0.00	NA	7812.98
	9/27/2010	7822.75	NA	10.65	0.00	NA	7812.10
	5/16/2011	7822.75	NA	7.11	0.00	NA	7815.64
10/10/2011	7822.75	NA	9.66	0.00	NA	7813.09	
6/4/2012	7822.75	NA	9.09	0.00	NA	7813.66	
10/1/2012	7822.75	NA	12.03	0.00	NA	7810.72	
9/16/2013	7822.75	NA	10.84	0.00	NA	7811.91	
8/11/2014	7822.75	--	Destroyed	--	--	--	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-9	11/12/2001	7830.01	NA	27.30	0.00	NA	7802.71
	6/27/2002	7830.01	NA	25.76	0.00	NA	7804.25
	12/15/2002	7830.01	NA	33.74	0.00	NA	7796.27
	7/16/2003	7830.01	NA	21.88	0.00	NA	7808.13
	12/16/2003	7830.01	NA	30.65	0.00	NA	7799.36
	6/9/2004	7830.01	NA	22.33	0.00	NA	7807.68
	12/5/2004	7830.01	NA	30.46	0.00	NA	7799.55
	6/21/2005	7830.01	NA	20.42	0.00	NA	7809.59
	11/8/2005	7830.01	NA	26.20	0.00	NA	7803.81
	4/11/2006	7830.01	NA	24.84	0.00	NA	7805.17
	10/9/2006	7830.01	NA	27.23	0.00	NA	7802.78
	4/24/2007	7830.01	NA	22.31	0.00	NA	7807.70
	10/9/2007	7830.01	NA	28.02	0.00	NA	7801.99
	4/23/2008	7830.01	NA	23.11	0.00	NA	7806.90
	10/13/2008	7830.01	NA	25.32	0.00	NA	7804.69
	4/28/2009	7830.01	NA	22.44	0.00	NA	7807.57
	10/12/2009	7830.01	NA	26.99	0.00	NA	7803.02
	4/12/2010	7830.01	NA	26.30	0.00	NA	7803.71
	9/27/2010	7830.01	NA	24.25	0.00	NA	7805.76
	5/16/2011	7830.01	NA	20.87	0.00	NA	7809.14
10/10/2011	7830.01	NA	22.28	0.00	NA	7807.73	
6/4/2012	7830.01	NA	23.68	0.00	NA	7806.33	
10/1/2012	7830.01	NA	31.84	0.00	NA	7798.17	
9/16/2013	7830.01	NA	27.94	0.00	NA	7802.07	
8/11/2014	7830.01	NA	21.56	0.00	NA	7808.45	
6/8/2015	7830.01	NA	21.35	0.00	NA	7808.66	
MW-10	11/12/2001	7801.92	NA	9.14	0.00	NA	7792.78
	6/27/2002	7801.92	NA	8.68	0.00	NA	7793.24
	12/15/2002	7801.92	NA	14.02	0.00	NA	7787.90
	7/16/2003	7801.92	7.80	7.82	0.02	7794.12	7794.10
	12/16/2003	7801.92	12.09	12.28	0.19	7789.83	7789.64
	6/9/2004	7801.92	8.25	8.29	0.04	7793.67	7793.63
	12/5/2004	7801.92	11.57	11.64	0.07	7790.35	7790.28
	6/21/2005	7801.92	NA	8.21	0.00	NA	7793.71
	11/8/2005	7801.92	NA	10.24	0.00	NA	7791.68
	4/11/2006	7801.92	NA	7.87	0.00	NA	7794.05
	10/9/2006	7801.92	NA	9.83	0.00	NA	7792.09
	4/24/2007	7801.92	NA	6.88	0.00	NA	7795.04
	7/25/2007	7801.92	NA	7.32	0.00	NA	7794.60
	10/9/2007	7801.92	NA	8.55	0.00	NA	7793.37
	4/23/2008	7801.92	NA	6.44	0.00	NA	7795.48
	10/13/2008	7801.92	NA	8.15	0.00	NA	7793.77
	4/28/2009	7801.92	NA	6.57	0.00	NA	7795.35
	10/12/2009	7801.92	8.56	8.57	0.01	7793.36	7793.35
	4/12/2010	7801.92	8.75	8.76	0.01	7793.17	7793.16
	9/27/2010	7801.92	NA	7.90	0.00	NA	7794.02
5/16/2011	7801.92	NA	5.81	0.00	NA	7796.11	
10/10/2011	7801.92	NA	6.90	0.00	NA	7795.02	
6/4/2012	7801.92	NA	6.88	0.00	NA	7795.04	
10/1/2012	7801.92	12.37	12.43	0.06	7789.55	7789.49	
9/16/2013	7801.92	9.88	9.90	0.02	7792.04	7792.02	
8/11/2014	7801.92	NA	7.43	0.00	NA	7794.49	
6/8/2015	7801.92	NA	5.75	0.00	NA	7796.17	

**Table 2**  
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**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-11	11/12/2001	7797.34	NA	16.83	0.00	NA	7780.51
	6/27/2002	7797.34	NA	16.81	0.00	NA	7780.53
	12/15/2002	7797.34	NA	18.51	0.00	NA	7778.83
	7/16/2003	7797.34	NA	12.84	0.00	NA	7784.50
	12/16/2003	7797.34	NA	16.97	0.00	NA	7780.37
	6/9/2004	7797.34	NA	12.82	0.00	NA	7784.52
	12/5/2004	7797.34	NA	15.27	0.00	NA	7782.07
	6/21/2005	7797.34	NA	13.45	0.00	NA	7783.89
	11/8/2005	7797.34	NA	15.32	0.00	NA	7782.02
	4/11/2006	7797.34	NA	13.16	0.00	NA	7784.18
	10/9/2006	7797.34	NA	15.26	0.00	NA	7782.08
	4/24/2007	7797.34	NA	11.10	0.00	NA	7786.24
	7/25/2007	7797.34	NA	11.60	0.00	NA	7785.74
	10/9/2007	7797.34	NA	13.15	0.00	NA	7784.19
	4/23/2008	7797.34	NA	10.65	0.00	NA	7786.69
	10/13/2008	7797.34	NA	12.55	0.00	NA	7784.79
	4/28/2009	7797.34	NA	10.97	0.00	NA	7786.37
	10/12/2009	7797.34	NA	13.22	0.00	NA	7784.12
	4/12/2010	7797.34	NA	12.24	0.00	NA	7785.10
	9/27/2010	7797.34	NA	12.78	0.00	NA	7784.56
	5/16/2011	7797.34	NA	10.67	0.00	NA	7786.67
	10/10/2011	7797.34	NA	12.27	0.00	NA	7785.07
	6/4/2012	7797.34	NA	12.12	0.00	NA	7785.22
10/1/2012	7797.34	NA	17.53	0.00	NA	7779.81	
9/16/2013	7797.34	NA	13.39	0.00	NA	7783.95	
8/11/2014	7797.34	NA	11.96	0.00	NA	7785.38	
6/8/2015	7797.34	NA	10.89	0.00	NA	7786.45	
MW-12	11/12/2001	7788.64	NA	10.58	0.00	NA	7778.06
	6/27/2002	7788.64	NA	10.02	0.00	NA	7778.62
	12/15/2002	7788.64	NA	12.31	0.00	NA	7776.33
	7/16/2003	7788.64	NA	7.42	0.00	NA	7781.22
	12/16/2003	7788.64	10.60	10.45	0.15	7778.04	7778.19
	6/9/2004	7788.64	7.19	7.14	0.05	7781.45	7781.50
	12/5/2004	7788.64	8.28	8.23	0.05	7780.36	7780.41
	6/21/2005	7788.64	NA	7.77	0.00	NA	7780.87
	11/8/2005	7788.64	9.74	9.75	0.01	7778.90	7778.89
	4/11/2006	7788.64	SKIM	6.98	SKIM	SKIM	7781.66
	10/9/2006	7788.64	9.01	9.19	0.18	7779.63	7779.45
	4/26/2007	7788.64	4.40	4.90	0.50	7784.24	7783.74
	7/25/2007	7788.64	NA	4.99	0.00	NA	7783.65
	10/15/2007	7788.64	6.40	6.45	0.05	7782.24	7782.19
	4/23/2008	7788.64	NA	3.69	0.00	NA	7784.95
	10/15/2008	7788.64	NA	6.98	0.00	NA	7781.66
	4/28/2009	7788.64	NA	3.73	0.00	NA	7784.91
	10/12/2009	7788.64	NA	6.13	0.00	NA	7782.51
	4/12/2010	7788.64	5.22	5.23	0.01	7783.42	7783.41
	9/27/2010	7788.64	6.00	6.01	0.01	7782.64	7782.63
	5/16/2011	7788.64	NA	3.70	0.00	NA	7784.94
	10/10/2011	7788.64	NA	5.50	0.00	NA	7783.14
	6/4/2012	7788.64	NA	5.56	0.00	NA	7783.08
10/1/2012	7788.64	10.31	10.50	0.19	7778.33	7778.14	
9/16/2013	7788.64	NA	6.68	0.00	NA	7781.96	
8/11/2014	7788.64	5.27	5.28	0.01	7783.37	7783.36	
6/8/2015	7788.64	NA	3.94	0.00	NA	7784.70	

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**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-13	11/12/2001	7788.55	NA	12.27	0.00	NA	7776.28
	6/27/2002	7788.55	NA	11.93	0.00	NA	7776.62
	12/15/2002	7788.55	NA	14.00	0.00	NA	7774.55
	7/16/2003	7788.55	NA	9.38	0.00	NA	7779.17
	12/16/2003	7788.55	12.00	12.05	0.05	7776.55	7776.50
	6/9/2004	7788.55	NA	9.24	0.00	NA	7779.31
	12/5/2004	7788.55	NA	10.49	0.00	NA	7778.06
	6/21/2005	7788.55	NA	7.24	0.00	NA	7781.31
	11/8/2005	7788.55	NA	12.00	0.00	NA	7776.55
	4/11/2006	7788.55	NA	4.84	0.00	NA	7783.71
	10/9/2006	7788.55	NA	10.77	0.00	NA	7777.78
	4/24/2007	7788.55	NA	3.65	0.00	NA	7784.90
	7/25/2007	7788.55	NA	9.96	0.00	NA	7778.59
	10/9/2007	7788.55	NA	11.43	0.00	NA	7777.12
	4/23/2008	7788.55	NA	5.65	0.00	NA	7782.90
	10/13/2008	7788.55	NA	10.91	0.00	NA	7777.64
	4/28/2009	7791.22	NA	5.39	0.00	NA	7785.83
	10/12/2009	7791.22	NA	11.60	0.00	NA	7779.62
	4/12/2010	7791.22	NA	8.40	0.00	NA	7782.82
	9/27/2010	7791.22	NA	11.11	0.00	NA	7780.11
	5/16/2011	7791.22	NA	5.49	0.00	NA	7785.73
	10/10/2011	7791.22	NA	10.62	0.00	NA	7780.60
	6/4/2012	7791.22	NA	10.70	0.00	NA	7780.52
	10/1/2012	7791.22	NA	14.81	0.00	NA	7776.41
	9/16/2013	7791.22	NA	11.18	0.00	NA	7780.04
	8/11/2014	7791.22	NA	10.34	0.00	NA	7780.88
6/8/2015	7791.22	NA	7.00	0.00	NA	7784.22	
MW-14	11/12/2001	7813.34	NA	9.21	0.00	NA	7804.13
	6/27/2002	7813.34	4.58	7.99	3.41	7808.76	7805.35
	12/15/2002	7813.34	12.39	14.68	2.29	7800.95	7798.66
	7/16/2003	7813.34	3.35	5.05	1.70	7809.99	7808.29
	12/16/2003	7813.34	11.31	11.92	0.61	7802.03	7801.42
	6/9/2004	7813.34	5.69	6.18	0.49	7807.65	7807.16
	12/5/2004	7813.34	10.61	11.23	0.62	7802.73	7802.11
	6/21/2005	7813.34	2.40	2.67	0.27	7810.94	7810.67
	11/8/2005	7813.34	7.33	7.62	0.29	7806.01	7805.72
	4/11/2006	7813.34	2.97	3.01	0.04	7810.37	7810.33
	10/9/2006	7813.34	7.89	7.94	0.05	7805.45	7805.40
	4/26/2007	7813.34	NA	2.21	0.00	NA	7811.13
	10/13/2007	7813.34	NA	9.95	0.00	NA	7803.39
	4/23/2008	7813.34	2.10	2.13	0.03	7811.24	7811.21
	10/15/2008	7813.34	NA	4.91	0.00	NA	7808.43
	4/28/2009	7813.34	1.40	1.41	0.01	7811.94	7811.93
	10/12/2009	7813.34	NA	5.92	0.00	NA	7807.42
	4/12/2010	7813.34	6.25	6.26	0.01	7807.09	7807.08
	9/27/2010	7813.34	5.16	5.17	0.01	7808.18	7808.17
	5/16/2011	7813.34	1.15	1.19	0.04	7812.19	7812.15
	10/10/2011	7813.34	3.51	3.53	0.02	7809.83	7809.81
	6/4/2012	7813.34	4.43	4.47	0.04	7808.91	7808.87
	10/1/2012	7813.34	9.59	9.67	0.08	7803.75	7803.67
	9/16/2013	7813.34	8.58	8.62	0.04	7804.76	7804.72
	8/11/2014	7813.34	5.00	5.02	0.02	7808.34	7808.32
	6/8/2015	7813.34	1.82	1.84	0.02	7811.52	7811.50

**Table 2**  
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**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-15	11/12/2001	7891.06	NA	42.47	0.00	NA	7848.59
	6/27/2002	7891.06	NA	43.12	0.00	NA	7847.94
	12/15/2002	7891.06	NA	43.97	0.00	NA	7847.09
	7/16/2003	7891.06	NA	42.28	0.00	NA	7848.78
	12/16/2003	7891.06	NA	43.99	0.00	NA	7847.07
	6/9/2004	7891.06	NA	43.32	0.00	NA	7847.74
	12/5/2004	7891.06	NA	43.61	0.00	NA	7847.45
	6/21/2005	7891.06	40.64	40.68	0.04	7850.42	7850.38
	11/8/2005	7891.06	43.10	43.12	0.02	7847.96	7847.94
	4/11/2006	7891.06	40.87	40.89	0.02	7850.19	7850.17
	10/9/2006	7891.06	NA	43.07	0.00	NA	7847.99
	4/24/2007	7891.06	NA	41.43	0.00	NA	7849.63
	10/9/2007	7891.06	NA	42.95	0.00	NA	7848.11
	4/23/2008	7891.06	NA	40.55	0.00	NA	7850.51
	10/13/2008	7891.06	NA	41.53	0.00	NA	7849.53
	4/28/2009	7891.06	NA	40.67	0.00	NA	7850.39
	10/12/2009	7891.06	41.26	41.27	0.01	7849.80	7849.79
	4/12/2010	7891.06	41.92	41.93	0.01	7849.14	7849.13
	9/27/2010	7891.06	NA	40.78	0.00	NA	7850.28
	5/16/2011	7891.06	NA	38.84	0.00	NA	7852.22
10/10/2011	7891.06	NA	40.34	0.00	NA	7850.72	
6/4/2012	7891.06	NA	40.80	0.00	NA	7850.26	
10/1/2012	7891.06	41.20	41.21	0.01	7849.86	7849.85	
9/16/2013	7891.06	NA	41.28	0.00	NA	7849.78	
8/12/2014	7891.06	NA	40.91	0.00	NA	7850.15	
6/8/2015	7891.06	NA	40.81	0.00	NA	7850.25	
MW-16	11/12/2001	7809.07	NA	51.59	0.00	NA	7757.48
	6/27/2002	7809.07	NA	53.55	0.00	NA	7755.52
	12/15/2002	7809.07	NA	55.74	0.00	NA	7753.33
	7/16/2003	7809.07	NA	55.73	0.00	NA	7753.34
	12/16/2003	7809.07	NA	57.15	0.00	NA	7751.92
	6/9/2004	7809.07	NA	55.61	0.00	NA	7753.46
	12/5/2004	7809.07	NA	56.17	0.00	NA	7752.90
	6/21/2005	7809.07	NA	55.15	0.00	NA	7753.92
	11/8/2005	7809.07	NA	56.48	0.00	NA	7752.59
	4/11/2006	7809.07	NA	55.21	0.00	NA	7753.86
	10/9/2006	7809.07	NA	56.18	0.00	NA	7752.89
	4/24/2007	7809.07	NA	54.81	0.00	NA	7754.26
	10/9/2007	7809.07	NA	55.55	0.00	NA	7753.52
	4/23/2008	7809.07	NA	53.28	0.00	NA	7755.79
	10/13/2008	7809.07	NA	55.86	0.00	NA	7753.21
	4/28/2009	7809.07	NA	52.83	0.00	NA	7756.24
	10/12/2009	7809.07	NA	55.76	0.00	NA	7753.31
	4/12/2010	7809.07	NA	55.54	0.00	NA	7753.53
	9/27/2010	7809.07	NA	55.56	0.00	NA	7753.51
	5/16/2011	7809.07	NA	51.64	0.00	NA	7757.43
10/10/2011	7809.07	NA	55.45	0.00	NA	7753.62	
6/4/2012	7809.07	NA	55.51	0.00	NA	7753.56	
10/1/2012	7809.07	NA	56.47	0.00	NA	7752.60	
9/16/2013	7809.07	NA	56.19	0.00	NA	7752.88	
8/11/2014	7809.07	NA	55.16	0.00	NA	7753.91	
6/8/2015	7809.07	NA	52.38	0.00	NA	7756.69	

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**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-17	11/12/2001	7780.11	NA	11.71	0.00	NA	7768.40
	6/27/2002	7780.11	NA	11.97	0.00	NA	7768.14
	12/15/2002	7780.11	NA	14.76	0.00	NA	7765.35
	7/16/2003	7780.11	NA	10.42	0.00	NA	7769.69
	12/16/2003	7780.11	NA	12.79	0.00	NA	7767.32
	6/9/2004	7780.11	NA	9.94	0.00	NA	7770.17
	12/5/2004	7780.11	NA	11.15	0.00	NA	7768.96
	6/21/2005	7780.11	NA	8.56	0.00	NA	7771.55
	11/8/2005	7780.11	NA	11.45	0.00	NA	7768.66
	4/11/2006	7780.11	NA	7.92	0.00	NA	7772.19
	10/9/2006	7780.11	NA	16.82	0.00	NA	7763.29
	4/24/2007	7780.11	NA	7.91	0.00	NA	7772.20
	10/9/2007	7780.11	NA	9.89	0.00	NA	7770.22
	4/23/2008	7780.11	NA	6.34	0.00	NA	7773.77
	10/13/2008	7780.11	NA	10.25	0.00	NA	7769.86
	4/28/2009	7780.11	NA	6.59	0.00	NA	7773.52
	10/12/2009	7780.11	NA	10.49	0.00	NA	7769.62
	4/12/2010	7780.11	NA	9.59	0.00	NA	7770.52
	9/27/2010	7780.11	NA	9.86	0.00	NA	7770.25
	5/16/2011	7780.11	NA	6.02	0.00	NA	7774.09
10/10/2011	7780.11	NA	9.74	0.00	NA	7770.37	
6/4/2012	7780.11	NA	10.13	0.00	NA	7769.98	
10/1/2012	7780.11	NA	12.29	0.00	NA	7767.82	
9/16/2013	7780.11	NA	9.35	0.00	NA	7770.76	
8/11/2014	7780.11	NA	8.48	0.00	NA	7771.63	
6/8/2015	7780.11	NA	6.84	0.00	NA	7773.27	
MW-18	11/12/2001	7789.42	NA	17.66	0.00	NA	7771.76
	6/27/2002	7789.42	NA	17.67	0.00	NA	7771.75
	12/15/2002	7789.42	NA	19.23	0.00	NA	7770.19
	7/16/2003	7789.42	NA	16.31	0.00	NA	7773.11
	12/16/2003	7789.42	NA	18.55	0.00	NA	7770.87
	6/9/2004	7789.42	NA	16.03	0.00	NA	7773.39
	12/5/2004	7789.42	NA	17.18	0.00	NA	7772.24
	6/21/2005	7789.42	NA	14.33	0.00	NA	7775.09
	11/8/2005	7789.42	NA	18.00	0.00	NA	7771.42
	4/11/2006	7789.42	NA	12.60	0.00	NA	7776.82
	10/9/2006	7789.42	NA	16.71	0.00	NA	7772.71
	4/24/2007	7789.42	NA	12.41	0.00	NA	7777.01
	10/9/2007	7789.42	NA	15.49	0.00	NA	7773.93
	4/23/2008	7789.42	NA	11.62	0.00	NA	7777.80
	10/13/2008	7789.42	NA	15.60	0.00	NA	7773.82
	4/28/2009	7789.89	NA	11.33	0.00	NA	7778.56
	10/12/2009	7789.89	NA	15.58	0.00	NA	7774.31
	4/12/2010	7789.89	NA	14.75	0.00	NA	7775.14
	9/27/2010	7789.89	NA	15.15	0.00	NA	7774.74
	5/16/2011	7789.89	NA	11.18	0.00	NA	7778.71
10/10/2011	7789.89	NA	14.97	0.00	NA	7774.92	
6/4/2012	7789.89	NA	15.21	0.00	NA	7774.68	
10/1/2012	7789.89	NA	18.10	0.00	NA	7771.79	
9/16/2013	7789.89	NA	15.49	0.00	NA	7774.40	
8/11/2014	7789.89	NA	14.80	0.00	NA	7775.09	
6/8/2015	7789.89	NA	12.53	0.00	NA	7777.36	

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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-19	6/27/2002	7820.57	NA	12.38	0.00	NA	7808.19
	12/15/2002	7820.57	NA	17.33	0.00	NA	7803.24
	7/16/2003	7820.57	NA	9.11	0.00	NA	7811.46
	12/16/2003	7820.57	NA	15.92	0.00	NA	7804.65
	6/9/2004	7820.57	NA	10.28	0.00	NA	7810.29
	12/5/2004	7820.57	NA	16.28	0.00	NA	7804.29
	6/21/2005	7820.57	NA	5.27	0.00	NA	7815.30
	11/8/2005	7820.57	NA	11.63	0.00	NA	7808.94
	4/11/2006	7820.57	NA	6.32	0.00	NA	7814.25
	10/9/2006	7820.57	NA	12.27	0.00	NA	7808.30
	4/24/2007	7820.57	NA	4.72	0.00	NA	7815.85
	10/9/2007	7820.57	NA	11.25	0.00	NA	7809.32
	4/23/2008	7820.57	NA	4.87	0.00	NA	7815.70
	10/13/2008	7820.57	NA	9.09	0.00	NA	7811.48
	4/28/2009	7820.57	NA	2.91	0.00	NA	7817.66
	10/12/2009	7820.57	NA	10.26	0.00	NA	7810.31
	4/12/2010	7820.57	NA	10.45	0.00	NA	7810.12
	9/27/2010	7820.57	NA	9.23	0.00	NA	7811.34
	5/16/2011	7820.57	NA	2.11	0.00	NA	7818.46
	10/10/2011	7820.57	NA	7.37	0.00	NA	7813.20
6/4/2012	7820.57	NA	8.51	0.00	NA	7812.06	
10/1/2012	7820.57	NA	14.21	0.00	NA	7806.36	
9/16/2013	7820.57	NA	12.97	0.00	NA	7807.60	
8/11/2014	7820.57	NA	8.49	0.00	NA	7812.08	
6/8/2015	7820.57	NA	2.56	0.00	NA	7818.01	
MW-20	11/12/2001	7759.64	NA	15.15	0.00	NA	7744.49
	6/27/2002	7759.64	NA	15.03	0.00	NA	7744.61
	12/15/2002	7759.64	NA	15.43	0.00	NA	7744.21
	7/16/2003	7759.64	NA	13.29	0.00	NA	7746.35
	12/16/2003	7759.64	NA	15.16	0.00	NA	7744.48
	6/9/2004	7759.64	NA	13.27	0.00	NA	7746.37
	12/5/2004	7759.64	NA	13.85	0.00	NA	7745.79
	6/21/2005	7759.64	NA	10.80	0.00	NA	7748.84
	11/8/2005	7759.64	NA	14.33	0.00	NA	7745.31
	4/11/2006	7759.64	NA	18.31	0.00	NA	7741.33
	10/9/2006	7759.64	NA	13.60	0.00	NA	7746.04
	4/24/2007	7759.64	NA	10.00	0.00	NA	7749.64
	7/25/2007	7759.64	NA	11.44	0.00	NA	7748.20
	10/9/2007	7759.64	NA	12.15	0.00	NA	7747.49
	4/23/2008	7759.64	NA	7.77	0.00	NA	7751.87
	10/13/2008	7759.64	NA	12.94	0.00	NA	7746.70
	4/28/2009	7759.64	NA	6.83	0.00	NA	7752.81
	10/12/2009	7759.64	NA	12.48	0.00	NA	7747.16
	4/12/2010	7759.64	NA	11.20	0.00	NA	7748.44
	9/27/2010	7759.64	NA	11.83	0.00	NA	7747.81
5/16/2011	7759.64	NA	5.61	0.00	NA	7754.03	
10/10/2011	7759.64	NA	11.45	0.00	NA	7748.19	
6/4/2012	7759.64	NA	11.34	0.00	NA	7748.30	
10/1/2012	7759.64	NA	13.38	0.00	NA	7746.26	
9/16/2013	7759.64	NA	12.65	0.00	NA	7746.99	
8/11/2014	7759.64	NA	10.95	0.00	NA	7748.69	
6/8/2015	7759.64	NA	6.73	0.00	NA	7752.91	

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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-21	11/12/2001	7763.89	NA	13.42	0.00	NA	7750.47
	6/27/2002	7763.89	NA	14.74	0.00	NA	7749.15
	12/15/2002	7763.89	NA	13.96	0.00	NA	7749.93
	7/16/2003	7763.89	NA	12.75	0.00	NA	7751.14
	12/16/2003	7763.89	NA	13.35	0.00	NA	7750.54
	6/9/2004	7763.89	NA	11.95	0.00	NA	7751.94
	12/5/2004	7763.89	NA	11.91	0.00	NA	7751.98
	6/21/2005	7763.89	NA	10.23	0.00	NA	7753.66
	11/8/2005	7763.89	NA	12.95	0.00	NA	7750.94
	4/11/2006	7763.89	NA	8.76	0.00	NA	7755.13
	10/9/2006	7763.89	NA	11.89	0.00	NA	7752.00
	4/24/2007	7763.89	NA	8.91	0.00	NA	7754.98
	7/25/2007	7763.89	NA	11.01	0.00	NA	7752.88
	10/9/2007	7763.89	NA	11.37	0.00	NA	7752.52
	4/23/2008	7763.89	NA	7.01	0.00	NA	7756.88
	10/13/2008	7763.89	NA	12.10	0.00	NA	7751.79
	4/28/2009	7763.89	NA	5.58	0.00	NA	7758.31
	10/12/2009	7763.89	NA	11.65	0.00	NA	7752.24
	4/12/2010	7763.89	NA	9.91	0.00	NA	7753.98
	9/27/2010	7763.89	NA	11.33	0.00	NA	7752.56
5/16/2011	7763.89	NA	4.75	0.00	NA	7759.14	
10/10/2011	7763.89	NA	11.11	0.00	NA	7752.78	
6/4/2012	7763.89	NA	10.95	0.00	NA	7752.94	
10/1/2012	7763.89	NA	12.86	0.00	NA	7751.03	
9/16/2013	7763.89	NA	12.20	0.00	NA	7751.69	
8/11/2014	7763.89	NA	10.56	0.00	NA	7753.33	
6/8/2015	7763.89	NA	6.37	0.00	NA	7757.52	
MW-22*	11/12/2001	7751.84	NA	24.30	0.00	NA	7727.54
	6/27/2002	7751.84	NA	24.14	0.00	NA	7727.70
	12/15/2002	7751.84	NA	25.29	0.00	NA	7726.55
	7/16/2003	7751.84	NA	20.25	0.00	NA	7731.59
	12/16/2003	7751.84	NA	24.42	0.00	NA	7727.42
	6/9/2004	7751.84	NA	22.31	0.00	NA	7729.53
	12/5/2004	7751.84	NA	22.81	0.00	NA	7729.03
6/21/2005	7751.84	--	Destroyed	--	--	--	
MW-22R	11/8/2005	7751.21	NA	21.07	0.00	NA	7730.14
	4/11/2006	7751.21	NA	13.52	0.00	NA	7737.69
	10/9/2006	7751.21	NA	17.62	0.00	NA	7733.59
	4/24/2007	7751.21	NA	11.99	0.00	NA	7739.22
	10/9/2007	7751.21	NA	14.43	0.00	NA	7736.78
	4/23/2008	7751.21	NA	9.00	0.00	NA	7742.21
	10/13/2008	7751.21	NA	15.31	0.00	NA	7735.90
	4/28/2009	7751.38	NA	5.31	0.00	NA	7746.07
	10/12/2009	7751.38	NA	15.34	0.00	NA	7736.04
	4/12/2010	7751.38	NA	14.45	0.00	NA	7736.93
	9/27/2010	7751.38	NA	13.94	0.00	NA	7737.44
	5/16/2011	7751.38	NA	7.10	0.00	NA	7744.28
	10/10/2011	7751.38	NA	13.62	0.00	NA	7737.76
	6/4/2012	7751.38	NA	13.85	0.00	NA	7737.53
	10/1/2012	7751.38	NA	16.82	0.00	NA	7734.56
	9/16/2013	7751.38	NA	15.59	0.00	NA	7735.79
8/11/2014	7751.38	NA	13.15	0.00	NA	7738.23	
6/8/2015	7751.38	NA	9.15	0.00	NA	7742.23	

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MW-23	11/12/2001	7749.92	NA	15.42	0.00	NA	7734.50
	6/27/2002	7749.92	NA	15.35	0.00	NA	7734.57
	12/15/2002	7749.92	NA	16.21	0.00	NA	7733.71
	7/16/2003	7749.92	NA	12.83	0.00	NA	7737.09
	12/16/2003	7749.92	NA	15.55	0.00	NA	7734.37
	6/9/2004	7749.92	NA	14.13	0.00	NA	7735.79
	12/5/2004	7749.92	NA	14.75	0.00	NA	7735.17
	6/21/2005	7749.92	NA	9.27	0.00	NA	7740.65
	11/8/2005	7749.92	NA	15.11	0.00	NA	7734.81
	4/11/2006	7749.92	NA	10.50	0.00	NA	7739.42
	10/9/2006	7749.92	NA	14.03	0.00	NA	7735.89
	4/24/2007	7749.92	NA	9.34	0.00	NA	7740.58
	10/9/2007	7749.92	NA	12.11	0.00	NA	7737.81
	4/23/2008	7749.92	NA	7.01	0.00	NA	7742.91
	10/13/2008	7749.92	NA	12.89	0.00	NA	7737.03
	4/28/2009	7749.92	NA	7.20	0.00	NA	7742.72
	10/12/2009	7749.92	NA	12.79	0.00	NA	7737.13
	4/12/2010	7749.92	NA	11.30	0.00	NA	7738.62
	9/27/2010	7749.92	NA	11.83	0.00	NA	7738.09
	5/16/2011	7749.92	NA	5.41	0.00	NA	7744.51
10/10/2011	7749.92	NA	11.62	0.00	NA	7738.30	
MW-24**	6/4/2012	7749.92	NA	11.82	0.00	NA	7738.10
	10/1/2012	7749.92	NA	13.93	0.00	NA	7735.99
	9/16/2013	7749.92	NA	12.80	0.00	NA	7737.12
	8/11/2014	7749.92	NA	11.13	0.00	NA	7738.79
	6/8/2015	7749.92	NA	7.17	0.00	NA	7742.75
	11/12/2001	7737.88	NA	13.66	0.00	NA	7724.22
	6/27/2002	7737.88	14.27	14.34	0.07	7723.61	7723.54
	12/15/2002	7737.88	15.39	15.41	0.02	7722.49	7722.47
	7/16/2003	7737.88	12.72	12.74	0.02	7725.16	7725.14
	12/16/2003	7737.88	15.45	15.69	0.24	7722.43	7722.19
6/9/2004	7737.88	13.89	14.08	0.19	7723.99	7723.80	
12/5/2004	7737.88	14.41	14.63	0.22	7723.47	7723.25	
6/21/2005	7737.88	NA	9.70	0.00	NA	7728.18	
11/8/2005	7737.88	15.75	16.04	0.29	7722.13	7721.84	
4/11/2006	7737.88	12.87	12.88	0.01	7725.01	7725.00	
10/9/2006	7737.88	14.73	14.75	0.02	7723.15	7723.13	
4/24/2007	7737.88	--	--	--	--	--	
10/13/2007	7737.88	NA	10.45	0.00	NA	7727.43	
4/23/2008	7737.88	NA	7.46	0.00	NA	7730.42	
10/15/2008	7737.88	NA	10.98	0.00	NA	7726.90	
4/28/2009	7736.37	NA	7.50	0.00	NA	7728.87	
10/12/2009	7736.37	NA	12.18	0.00	NA	7724.19	
4/12/2010	7736.37	NM	NM	NM	NM	NM	
9/27/2010	7736.37	10.51	10.67	0.16	7725.86	7725.70	
5/16/2011	7736.37	NM	NM	NM	NM	NM	
10/10/2011	7736.37	--	Abandoned	--	--	--	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-25	11/12/2001	7740.45	NA	12.68	0.00	NA	7727.77
	6/27/2002	7740.45	NA	13.79	0.00	NA	7726.66
	12/15/2002	7740.45	NA	14.81	0.00	NA	7725.64
	7/16/2003	7740.45	NA	12.52	0.00	NA	7727.93
	12/16/2003	7740.45	NA	14.62	0.00	NA	7725.83
	6/9/2004	7740.45	NA	13.60	0.00	NA	7726.85
	12/5/2004	7740.45	NA	13.70	0.00	NA	7726.75
	6/21/2005	7740.45	NA	7.85	0.00	NA	7732.60
	11/8/2005	7740.45	NA	16.73	0.00	NA	7723.72
	4/11/2006	7740.45	NA	7.01	0.00	NA	7733.44
	10/9/2006	7740.45	NA	12.47	0.00	NA	7727.98
	4/24/2007	7740.45	NA	8.23	0.00	NA	7732.22
	10/9/2007	7740.45	NA	10.70	0.00	NA	7729.75
	4/23/2008	7740.45	NA	6.48	0.00	NA	7733.97
	10/13/2008	7740.45	NA	10.91	0.00	NA	7729.54
	4/28/2009	7740.45	NA	6.18	0.00	NA	7734.27
	10/12/2009	7740.45	NA	16.24	0.00	NA	7724.21
	4/12/2010	7740.45	NM	NM	NM	NM	NM
	9/27/2010	7740.45	NA	11.60	0.00	NA	7728.85
	5/16/2011	7740.45	NA	4.64	0.00	NA	7735.81
10/10/2011	7740.45	NA	10.71	0.00	NA	7729.74	
6/4/2012	7740.45	NA	12.28	0.00	NA	7728.17	
10/1/2012	7740.45	NA	13.65	0.00	NA	7726.80	
9/16/2013	7740.45	NA	12.45	0.00	NA	7728.00	
8/11/2014	7740.45	NA	9.84	0.00	NA	7730.61	
6/8/2015	7740.45	NA	6.69	0.00	NA	7733.76	
MW-26	11/12/2001	7706.08	NA	9.22	0.00	NA	7696.86
	6/27/2002	7706.08	NA	9.22	0.00	NA	7696.86
	12/15/2002	7706.08	NA	9.06	0.00	NA	7697.02
	7/16/2003	7706.08	NA	8.40	0.00	NA	7697.68
	12/16/2003	7706.08	NA	8.33	0.00	NA	7697.75
	6/9/2004	7706.08	NA	7.94	0.00	NA	7698.14
	12/5/2004	7706.08	NA	8.19	0.00	NA	7697.89
	6/21/2005	7706.08	NA	5.91	0.00	NA	7700.17
	11/8/2005	7706.08	NA	7.91	0.00	NA	7698.17
	4/11/2006	7706.08	NA	3.16	0.00	NA	7702.92
	10/9/2006	7706.08	NA	5.47	0.00	NA	7700.61
	4/24/2007	7706.08	NA	3.81	0.00	NA	7702.27
	10/9/2007	7706.08	NA	7.29	0.00	NA	7698.79
	4/23/2008	7706.08	NA	NA	NA	NA	NA
	10/13/2008	7706.08	NA	8.10	0.00	NA	7697.98
	4/28/2009	7706.08	NA	2.87	0.00	NA	7703.21
	10/12/2009	7706.08	NA	8.35	0.00	NA	7697.73
	4/12/2010	7706.08	NA	3.96	0.00	NA	7702.12
	9/27/2010	7706.08	NA	8.12	0.00	NA	7697.96
	5/16/2011	7706.08	NA	2.00	0.00	NA	7704.08
10/10/2011	7706.08	NA	8.91	0.00	NA	7697.17	
6/4/2012	7706.08	NA	7.67	0.00	NA	7698.41	
10/1/2012	7706.08	NA	8.69	0.00	NA	7697.39	
9/16/2013	7706.08	NA	7.16	0.00	NA	7698.92	
8/11/2014	7706.08	NA	7.04	0.00	NA	7699.04	
6/8/2015	7706.08	NA	3.74	0.00	NA	7702.34	

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**Wilson Creek Unit,**  
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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-27	6/27/2002	7814.57	NA	8.44	0.00	NA	7806.13
	12/15/2002	7814.57	NA	12.52	0.00	NA	7802.05
	7/16/2003	7814.57	NA	6.02	0.00	NA	7808.55
	12/16/2003	7814.57	NA	10.89	0.00	NA	7803.68
	6/9/2004	7814.57	NA	6.97	0.00	NA	7807.60
	12/5/2004	7814.57	NA	10.17	0.00	NA	7804.40
	6/21/2005	7814.57	NA	5.20	0.00	NA	7809.37
	11/8/2005	7814.57	NA	8.42	0.00	NA	7806.15
	4/11/2006	7814.57	NA	5.41	0.00	NA	7809.16
	10/9/2006	7814.57	NA	8.74	0.00	NA	7805.83
	4/24/2007	7814.57	NA	4.91	0.00	NA	7809.66
	10/9/2007	7814.57	NA	8.55	0.00	NA	7806.02
	4/23/2008	7814.57	NA	5.05	0.00	NA	7809.52
	10/13/2008	7814.57	NA	7.32	0.00	NA	7807.25
	4/28/2009	7814.57	NA	4.85	0.00	NA	7809.72
	10/12/2009	7814.57	NA	8.65	0.00	NA	7805.92
	4/12/2010	7814.57	NA	8.29	0.00	NA	7806.28
	9/27/2010	7814.57	NA	7.95	0.00	NA	7806.62
	5/16/2011	7814.57	NA	4.36	0.00	NA	7810.21
	10/10/2011	7814.57	NA	6.26	0.00	NA	7808.31
6/4/2012	7814.57	NA	6.99	0.00	NA	7807.58	
10/1/2012	7814.57	NA	11.76	0.00	NA	7802.81	
9/16/2013	7814.57	NA	10.81	0.00	NA	7803.76	
8/11/2014	7814.57	NA	7.51	0.00	NA	7807.06	
6/8/2015	7814.57	NA	4.84	0.00	NA	7809.73	
MW-28	11/12/2001	7700.84	NA	25.41	0.00	NA	7675.43
	6/27/2002	7700.84	NA	22.49	0.00	NA	7678.35
	12/15/2002	7700.84	NA	25.97	0.00	NA	7674.87
	7/16/2003	7700.84	NA	20.75	0.00	NA	7680.09
	12/16/2003	7700.84	NA	24.45	0.00	NA	7676.39
	6/9/2004	7700.84	NA	21.52	0.00	NA	7679.32
	12/5/2004	7700.84	NA	24.01	0.00	NA	7676.83
	6/21/2005	7700.84	NA	11.57	0.00	NA	7689.27
	11/8/2005	7700.84	NA	22.04	0.00	NA	7678.80
	4/11/2006	7700.84	NA	18.74	0.00	NA	7682.10
	10/9/2006	7700.84	NA	21.45	0.00	NA	7679.39
	4/24/2007	7700.84	NA	15.41	0.00	NA	7685.43
	10/9/2007	7700.84	NA	21.25	0.00	NA	7679.59
	4/23/2008	7700.84	NA	NA	NA	NA	NA
	10/13/2008	7700.84	NA	20.05	0.00	NA	7680.79
	4/28/2009	7700.84	NA	13.40	0.00	NA	7687.44
	10/12/2009	7700.84	NA	20.34	0.00	NA	7680.50
	4/12/2010	7700.84	NA	19.80	0.00	NA	7681.04
	9/27/2010	7700.84	NA	19.83	0.00	NA	7681.01
	5/16/2011	7700.84	NA	8.29	0.00	NA	7692.55
10/10/2011	7700.84	NA	18.57	0.00	NA	7682.27	
6/4/2012	7700.84	NA	19.49	0.00	NA	7681.35	
10/1/2012	7700.84	NA	22.41	0.00	NA	7678.43	
9/16/2013	7700.84	NA	22.34	0.00	NA	7678.50	
8/11/2014	7700.84	NA	18.89	0.00	NA	7681.95	
6/8/2015	7700.84	NA	9.26	0.00	NA	7691.58	

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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-29	11/12/2001	7699.98	NA	20.16	0.00	NA	7679.82
	6/27/2002	7699.98	NA	19.36	0.00	NA	7680.62
	12/15/2002	7699.98	NA	20.24	0.00	NA	7679.74
	7/16/2003	7699.98	NA	18.36	0.00	NA	7681.62
	12/16/2003	7699.98	NA	19.63	0.00	NA	7680.35
	6/9/2004	7699.98	NA	18.56	0.00	NA	7681.42
	12/5/2004	7699.98	NA	19.20	0.00	NA	7680.78
	6/21/2005	7699.98	NA	16.82	0.00	NA	7683.16
	11/8/2005	7699.98	NA	19.32	0.00	NA	7680.66
	4/11/2006	7699.98	NA	17.40	0.00	NA	7682.58
	10/9/2006	7699.98	NA	18.82	0.00	NA	7681.16
	4/24/2007	7699.98	NA	17.09	0.00	NA	7682.89
	10/9/2007	7699.98	NA	18.70	0.00	NA	7681.28
	4/24/2008	7699.98	NA	16.75	0.00	NA	7683.23
	10/13/2008	7699.98	NA	18.45	0.00	NA	7681.53
	4/28/2009	7699.98	NA	16.46	0.00	NA	7683.52
	10/12/2009	7699.98	NA	18.58	0.00	NA	7681.40
	4/12/2010	7699.98	NA	18.09	0.00	NA	7681.89
	9/27/2010	7699.98	NA	18.14	0.00	NA	7681.84
	5/16/2011	7699.98	NA	14.34	0.00	NA	7685.64
10/10/2011	7699.98	NA	17.62	0.00	NA	7682.36	
6/4/2012	7699.98	NA	18.05	0.00	NA	7681.93	
10/1/2012	7699.98	NA	19.33	0.00	NA	7680.65	
9/16/2013	7699.98	NA	18.64	0.00	NA	7681.34	
8/11/2014	7699.98	NA	17.03	0.00	NA	7682.95	
6/8/2015	7699.98	NA	14.27	0.00	NA	7685.71	
MW-30	11/12/2001	7708.29	NA	33.85	0.00	NA	7674.44
	6/27/2002	7708.29	NA	33.90	0.00	NA	7674.39
	12/15/2002	7708.29	NA	34.02	0.00	NA	7674.27
	7/16/2003	7708.29	NA	33.70	0.00	NA	7674.59
	12/16/2003	7708.29	NA	33.91	0.00	NA	7674.38
	6/9/2004	7708.29	NA	33.79	0.00	NA	7674.50
	12/5/2004	7708.29	NA	33.78	0.00	NA	7674.51
	6/21/2005	7708.29	NA	32.76	0.00	NA	7675.53
	11/8/2005	7708.29	NA	33.94	0.00	NA	7674.35
	4/11/2006	7708.29	NA	33.42	0.00	NA	7674.87
	10/9/2006	7708.29	NA	33.61	0.00	NA	7674.68
	4/24/2007	7708.29	NA	33.45	0.00	NA	7674.84
	10/9/2007	7708.29	NA	33.74	0.00	NA	7674.55
	4/24/2008	7708.29	NA	32.93	0.00	NA	7675.36
	10/13/2008	7708.29	NA	33.65	0.00	NA	7674.64
	4/28/2009	7708.29	NA	33.02	0.00	NA	7675.27
	10/12/2009	7708.29	NA	33.53	0.00	NA	7674.76
	4/12/2010	7708.29	NA	33.32	0.00	NA	7674.97
	9/27/2010	7708.29	NA	33.42	0.00	NA	7674.87
	5/16/2011	7708.29	NA	32.18	0.00	NA	7676.11
10/10/2011	7708.29	NA	33.42	0.00	NA	7674.87	
6/4/2012	7708.29	NA	33.31	0.00	NA	7674.98	
10/1/2012	7708.29	NA	33.46	0.00	NA	7674.83	
9/16/2013	7708.29	NA	33.68	0.00	NA	7674.61	
8/11/2014	7708.29	NA	33.50	0.00	NA	7674.79	
6/8/2015	7708.29	NA	32.47	0.00	NA	7675.82	

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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-31	11/12/2001	7679.15	NA	10.67	0.00	NA	7668.48
	6/27/2002	7679.15	NA	10.45	0.00	NA	7668.70
	12/15/2002	7679.15	NA	11.22	0.00	NA	7667.93
	7/16/2003	7679.15	NA	9.76	0.00	NA	7669.39
	12/16/2003	7679.15	--	--	--	--	--
	6/9/2004	7679.15	NA	9.73	0.00	NA	7669.42
	12/5/2004	7679.15	NA	9.97	0.00	NA	7669.18
	6/21/2005	7679.15	NA	8.84	0.00	NA	7670.31
	11/8/2005	7679.15	NA	9.69	0.00	NA	7669.46
	4/10/2006	7679.15	NA	8.29	0.00	NA	7670.86
	10/9/2006	7679.15	NA	9.22	0.00	NA	7669.93
	4/24/2007	7679.15	NA	8.70	0.00	NA	7670.45
	10/9/2007	7679.15	NA	9.19	0.00	NA	7669.96
	4/23/2008	7679.15	NA	8.10	0.00	NA	7671.05
	10/13/2008	7679.15	NA	9.00	0.00	NA	7670.15
	4/28/2009	7679.15	NA	8.26	0.00	NA	7670.89
	10/12/2009	7679.15	NA	9.02	0.00	NA	7670.13
	4/12/2010	7679.15	NA	8.32	0.00	NA	7670.83
	9/27/2010	7679.15	NA	8.79	0.00	NA	7670.36
	5/16/2011	7679.15	NA	7.93	0.00	NA	7671.22
10/10/2011	7679.15	NA	8.54	0.00	NA	7670.61	
6/4/2012	7679.15	NA	8.86	0.00	NA	7670.29	
10/1/2012	7679.15	NA	9.63	0.00	NA	7669.52	
9/16/2013	7679.15	NA	9.26	0.00	NA	7669.89	
8/11/2014	7679.15	NA	8.65	0.00	NA	7670.50	
6/8/2015	7679.15	NA	7.98	0.00	NA	7671.17	
MW-32	11/12/2001	7659.41	NA	8.16	0.00	NA	7651.25
	6/27/2002	7659.41	NA	8.39	0.00	NA	7651.02
	12/15/2002	7659.41	NA	6.73	0.00	NA	7652.68
	6/16/2003	7659.41	NA	7.96	0.00	NA	7651.45
	7/16/2003	7659.41	NA	7.91	0.00	NA	7651.50
	6/9/2004	7659.41	NA	6.73	0.00	NA	7652.68
	12/5/2004	7659.41	NA	7.56	0.00	NA	7651.85
	6/21/2005	7659.41	NA	6.13	0.00	NA	7653.28
	11/8/2005	7659.41	NA	8.05	0.00	NA	7651.36
	4/10/2006	7659.41	NA	4.81	0.00	NA	7654.60
	10/9/2006	7659.41	NA	5.70	0.00	NA	7653.71
	4/24/2007	7659.41	NA	5.42	0.00	NA	7653.99
	10/9/2007	7659.41	NA	6.11	0.00	NA	7653.30
	4/23/2008	7659.41	NA	4.75	0.00	NA	7654.66
	10/13/2008	7659.41	NA	7.05	0.00	NA	7652.36
	4/28/2009	7659.41	NA	5.34	0.00	NA	7654.07
	10/12/2009	7659.41	NA	7.77	0.00	NA	7651.64
	4/12/2010	7659.41	NA	5.05	0.00	NA	7654.36
	9/27/2010	7659.41	NA	7.78	0.00	NA	7651.63
	5/16/2011	7659.41	NA	4.88	0.00	NA	7654.53
10/10/2011	7659.41	NA	7.42	0.00	NA	7651.99	
6/4/2012	7659.41	NA	7.48	0.00	NA	7651.93	
10/1/2012	7659.41	NA	7.96	0.00	NA	7651.45	
9/16/2013	7659.41	NA	6.91	0.00	NA	7652.50	
8/11/2014	7659.41	NA	6.38	0.00	NA	7653.03	
6/8/2015	7659.41	NA	5.09	0.00	NA	7654.32	

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**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-33	6/27/2002	7807.12	NA	9.28	0.00	NA	7797.84
	12/15/2002	7807.12	14.73	15.40	0.67	7792.39	7791.72
	7/16/2003	7807.12	7.11	7.41	0.30	7800.01	7799.71
	12/16/2003	7807.12	13.05	13.39	0.34	7794.07	7793.73
	6/9/2004	7807.12	8.22	8.32	0.10	7798.90	7798.80
	12/5/2004	7807.12	12.80	13.02	0.22	7794.32	7794.10
	6/21/2005	7807.12	7.30	7.34	0.04	7799.82	7799.78
	11/8/2005	7807.12	10.60	10.61	0.01	7796.52	7796.51
	4/11/2006	7807.12	NA	5.98	0.00	NA	7801.14
	10/9/2006	7807.12	NA	10.73	0.00	NA	7796.39
	4/24/2007	7807.12	NA	6.99	0.00	NA	7800.13
	10/9/2007	7807.12	NA	9.73	0.00	NA	7797.39
	4/24/2008	7807.12	NA	5.36	0.00	NA	7801.76
	10/15/2008	7807.12	NA	8.89	0.00	NA	7798.23
	4/28/2009	7807.12	NA	3.11	0.00	NA	7804.01
	10/12/2009	7807.12	NA	9.52	0.00	NA	7797.60
	4/12/2010	7807.12	8.70	8.71	0.01	7798.42	7798.41
	9/27/2010	7807.12	8.86	8.87	0.01	7798.26	7798.25
	5/16/2011	7807.12	NA	1.77	0.00	NA	7805.35
	10/10/2011	7807.12	NA	7.66	0.00	NA	7799.46
6/4/2012	7807.12	NA	7.88	0.00	NA	7799.24	
10/1/2012	7807.12	13.97	13.98	0.01	7793.15	7793.14	
9/16/2013	7807.12	NA	10.76	0.00	NA	7796.36	
8/11/2014	7807.12	NA	8.04	0.00	NA	7799.08	
6/8/2015	7808.12	NA	2.54	0.00	NA	7805.58	
MW-34	6/27/2002	7809.32	NA	8.74	0.00	NA	7800.58
	12/15/2002	7809.32	NA	9.28	0.00	NA	7800.04
	7/16/2003	7809.32	NA	4.88	0.00	NA	7804.44
	12/16/2003	7809.32	NA	6.91	0.00	NA	7802.41
	6/9/2004	7809.32	NA	4.66	0.00	NA	7804.66
	12/5/2004	7809.32	NA	5.09	0.00	NA	7804.23
	6/21/2005	7809.32	NA	4.50	0.00	NA	7804.82
	11/8/2005	7809.32	NA	4.94	0.00	NA	7804.38
	4/11/2006	7809.32	NA	4.25	0.00	NA	7805.07
	10/9/2006	7809.32	NA	4.65	0.00	NA	7804.67
	4/24/2007	7809.32	NA	3.62	0.00	NA	7805.70
	10/9/2007	7809.32	NA	5.12	0.00	NA	7804.20
	4/24/2008	7809.32	NA	4.35	0.00	NA	7804.97
	10/15/2008	7809.32	NA	14.85	0.00	NA	7794.47
	4/28/2009	7809.32	NA	4.41	0.00	NA	7804.91
	10/12/2009	7809.32	NA	6.18	0.00	NA	7803.14
	4/12/2010	7809.32	NA	4.10	0.00	NA	7805.22
	9/27/2010	7809.32	NA	5.53	0.00	NA	7803.79
	5/16/2011	7809.32	NA	3.84	0.00	NA	7805.48
	10/10/2011	7809.32	NA	4.31	0.00	NA	7805.01
6/4/2012	7809.32	NA	4.70	0.00	NA	7804.62	
10/1/2012	7809.32	NA	8.48	0.00	NA	7800.84	
9/16/2013	7809.32	NA	6.44	0.00	NA	7802.88	
8/11/2014	7809.32	NA	4.06	0.00	NA	7805.26	
6/8/2015	7809.32	NA	3.31	0.00	NA	7806.01	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-35	6/27/2002	7824.39	NA	15.46	0.00	NA	7808.93
	12/15/2002	7824.39	NA	21.07	0.00	NA	7803.32
	7/16/2003	7824.39	NA	12.22	0.00	NA	7812.17
	12/16/2003	7824.39	NA	18.53	0.00	NA	7805.86
	6/9/2004	7824.39	NA	13.82	0.00	NA	7810.57
	12/5/2004	7824.39	NA	19.66	0.00	NA	7804.73
	6/21/2005	7824.39	NA	8.95	0.00	NA	7815.44
	11/8/2005	7824.39	NA	14.68	0.00	NA	7809.71
	4/11/2006	7824.39	NA	10.64	0.00	NA	7813.75
	10/9/2006	7824.39	NA	15.44	0.00	NA	7808.95
	4/24/2007	7824.39	NA	8.95	0.00	NA	7815.44
	10/9/2007	7824.39	NA	14.31	0.00	NA	7810.08
	4/24/2008	7824.39	NA	8.21	0.00	NA	7816.18
	10/13/2008	7824.39	NA	12.07	0.00	NA	7812.32
	4/28/2009	7824.39	NA	6.91	0.00	NA	7817.48
	10/12/2009	7824.39	NA	13.09	0.00	NA	7811.30
	4/12/2010	7824.39	NA	14.41	0.00	NA	7809.98
	9/27/2010	7824.39	NA	12.34	0.00	NA	7812.05
	5/16/2011	7824.39	NA	5.42	0.00	NA	7818.97
	10/10/2011	7824.39	NA	10.55	0.00	NA	7813.84
6/4/2012	7824.39	NA	11.87	0.00	NA	7812.52	
10/1/2012	7824.39	NA	16.64	0.00	NA	7807.75	
9/16/2013	7824.39	NA	15.61	0.00	NA	7808.78	
8/11/2014	7824.39	NA	11.51	0.00	NA	7812.88	
6/8/2015	7824.39	NA	7.26	0.00	NA	7817.13	
MW-36	6/27/2002	7780.21	NA	13.63	0.00	NA	7766.58
	12/15/2002	7780.21	NA	14.53	0.00	NA	7765.68
	7/16/2003	7780.21	NA	10.21	0.00	NA	7770.00
	12/16/2003	7780.21	NA	12.60	0.00	NA	7767.61
	6/9/2004	7780.21	NA	9.67	0.00	NA	7770.54
	12/5/2004	7780.21	NA	10.92	0.00	NA	7769.29
	6/21/2005	7780.21	NA	8.32	0.00	NA	7771.89
	11/8/2005	7780.21	NA	11.21	0.00	NA	7769.00
	4/11/2006	7780.21	NA	7.72	0.00	NA	7772.49
	10/9/2006	7780.21	NA	10.64	0.00	NA	7769.57
	4/24/2007	7780.21	NA	7.73	0.00	NA	7772.48
	10/9/2007	7780.21	NA	9.64	0.00	NA	7770.57
	4/24/2008	7780.21	NA	6.08	0.00	NA	7774.13
	10/13/2008	7780.21	NA	10.02	0.00	NA	7770.19
	4/28/2009	7780.21	NA	6.42	0.00	NA	7773.79
	10/12/2009	7780.21	NA	10.38	0.00	NA	7769.83
	4/12/2010	7780.21	NA	9.43	0.00	NA	7770.78
	9/27/2010	7780.21	NA	9.75	0.00	NA	7770.46
	5/16/2011	7780.21	NA	5.84	0.00	NA	7774.37
	10/10/2011	7780.21	NA	9.43	0.00	NA	7770.78
6/4/2012	7780.21	NA	10.04	0.00	NA	7770.17	
10/1/2012	7780.21	NA	12.18	0.00	NA	7768.03	
9/16/2013	7780.21	NA	9.21	0.00	NA	7771.00	
8/11/2014	7780.21	NA	8.30	0.00	NA	7771.91	
6/8/2015	7780.21	NA	6.68	0.00	NA	7773.53	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-37	6/27/2002	7780.51	NA	11.38	0.00	NA	7769.13
	12/15/2002	7780.51	NA	14.36	0.00	NA	7766.15
	7/16/2003	7780.51	NA	10.02	0.00	NA	7770.49
	12/16/2003	7780.51	NA	12.41	0.00	NA	7768.10
	6/9/2004	7780.51	NA	9.51	0.00	NA	7771.00
	12/5/2004	7780.51	NA	18.79	0.00	NA	7761.72
	6/21/2005	7780.51	NA	8.32	0.00	NA	7772.19
	11/8/2005	7780.51	NA	11.12	0.00	NA	7769.39
	4/11/2006	7780.51	NA	7.82	0.00	NA	7772.69
	10/9/2006	7780.51	NA	10.56	0.00	NA	7769.95
	4/24/2007	7780.51	NA	7.74	0.00	NA	7772.77
	10/9/2007	7780.51	NA	9.53	0.00	NA	7770.98
	4/24/2008	7780.51	NA	6.27	0.00	NA	7774.24
	10/13/2008	7780.51	NA	9.99	0.00	NA	7770.52
	4/28/2009	7780.51	NA	6.70	0.00	NA	7773.81
	10/12/2009	7780.51	NA	10.24	0.00	NA	7770.27
	4/12/2010	7780.51	NA	9.31	0.00	NA	7771.20
	9/27/2010	7780.51	NA	9.68	0.00	NA	7770.83
	5/16/2011	7780.51	NA	6.14	0.00	NA	7774.37
	10/10/2011	7780.51	NA	9.52	0.00	NA	7770.99
6/4/2012	7780.51	NA	9.95	0.00	NA	7770.56	
10/1/2012	7780.51	NA	12.11	0.00	NA	7768.40	
9/16/2013	7780.51	NA	9.09	0.00	NA	7771.42	
8/11/2014	7780.51	NA	8.28	0.00	NA	7772.23	
6/8/2015	7780.51	NA	6.79	0.00	NA	7773.72	
MW-38	12/15/2002	7787.95	NA	13.91	0.00	NA	7774.04
	7/16/2003	7787.95	NA	9.13	0.00	NA	7778.82
	12/16/2003	7787.95	11.84	11.88	0.04	7776.11	7776.07
	6/9/2004	7787.95	NA	9.05	0.00	NA	7778.90
	12/5/2004	7787.95	NA	10.31	0.00	NA	7777.64
	6/21/2005	7787.95	NA	8.84	0.00	NA	7779.11
	11/8/2005	7787.95	NA	11.22	0.00	NA	7776.73
	4/11/2006	7787.95	NA	8.13	0.00	NA	7779.82
	10/9/2006	7787.95	NA	10.70	0.00	NA	7777.25
	4/24/2007	7787.95	NA	6.75	0.00	NA	7781.20
	7/25/2007	7787.95	NA	8.01	0.00	NA	7779.94
	10/9/2007	7787.95	NA	9.10	0.00	NA	7778.85
	4/24/2008	7787.95	NA	6.65	0.00	NA	7781.30
	10/13/2008	7787.95	NA	9.08	0.00	NA	7778.87
	4/28/2009	7787.95	NA	6.28	0.00	NA	7781.67
	10/12/2009	7787.95	NA	9.29	0.00	NA	7778.66
	4/12/2010	7787.95	NA	8.09	0.00	NA	7779.86
	9/27/2010	7787.95	NA	8.70	0.00	NA	7779.25
	5/16/2011	7787.95	NA	5.88	0.00	NA	7782.07
	10/10/2011	7787.95	NA	8.39	0.00	NA	7779.56
6/4/2012	7787.95	NA	8.60	0.00	NA	7779.35	
10/1/2012	7787.95	NA	12.33	0.00	NA	7775.62	
9/16/2013	7787.95	NA	8.68	0.00	NA	7779.27	
8/11/2014	7787.95	NA	7.66	0.00	NA	7780.29	
6/8/2015	7787.95	NA	6.20	0.00	NA	7781.75	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-39	12/15/2002	7783.66	NA	12.84	0.00	NA	7770.82
	7/16/2003	7783.66	NA	7.35	0.00	NA	7776.31
	12/16/2003	7783.66	NA	10.77	0.00	NA	7772.89
	6/9/2004	7783.66	NA	7.78	0.00	NA	7775.88
	12/5/2004	7783.66	NA	8.50	0.00	NA	7775.16
	6/21/2005	7783.66	NA	6.78	0.00	NA	7776.88
	11/8/2005	7783.66	NA	8.97	0.00	NA	7774.69
	4/11/2006	7783.66	NA	6.16	0.00	NA	7777.50
	10/9/2006	7783.66	NA	8.82	0.00	NA	7774.84
	4/24/2007	7783.66	NA	5.47	0.00	NA	7778.19
	10/9/2007	7783.66	NA	7.65	0.00	NA	7776.01
	4/24/2008	7783.66	NA	5.33	0.00	NA	7778.33
	10/13/2008	7783.66	NA	7.60	0.00	NA	7776.06
	4/28/2009	7783.66	NA	5.76	0.00	NA	7777.90
	10/12/2009	7783.66	NA	7.82	0.00	NA	7775.84
	4/12/2010	7783.66	NA	6.19	0.00	NA	7777.47
	9/27/2010	7783.66	NA	7.20	0.00	NA	7776.46
	5/16/2011	7783.66	NA	5.30	0.00	NA	7778.36
	10/10/2011	7783.66	NA	7.14	0.00	NA	7776.52
	6/4/2012	7783.66	NA	7.18	0.00	NA	7776.48
10/1/2012	7783.66	NA	10.27	0.00	NA	7773.39	
9/16/2013	7783.66	NA	6.98	0.00	NA	7776.68	
8/11/2014	7783.66	NA	6.36	0.00	NA	7777.30	
6/8/2015	7783.66	NA	5.63	0.00	NA	7778.03	
MW-40	7/16/2003	7954.56	NA	19.20	0.00	NA	7935.36
	12/16/2003	7954.56	NA	22.46	0.00	NA	7932.10
	6/9/2004	7954.56	NA	20.46	0.00	NA	7934.10
	12/5/2004	7954.56	23.16	23.20	0.04	7931.40	7931.36
	6/21/2005	7954.56	NA	12.93	0.00	NA	7941.63
	11/8/2005	7954.56	NA	20.26	0.00	NA	7934.30
	4/11/2006	7954.56	NA	18.43	0.00	NA	7936.13
	10/9/2006	7954.56	18.90	18.91	0.01	7935.66	7935.65
	4/26/2007	7954.56	NA	13.64	0.00	NA	7940.92
	10/13/2007	7954.56	NA	17.69	0.00	NA	7936.87
	4/24/2008	7954.56	NA	9.96	0.00	NA	7944.60
	10/17/2008	7954.56	22.96***	22.97***	0.01	7931.60	7931.59
	4/28/2009	7954.56	NA	8.27	0.00	NA	7946.29
	10/12/2009	7954.56	19.01	19.02	0.01	7935.55	7935.54
	10/12/2009	7954.56	19.01	19.02	0.01	7935.55	7935.54
	4/12/2010	7954.56	18.79	18.80	0.01	7935.77	7935.76
	9/27/2010	7954.56	18.45	18.46	0.01	7936.11	7936.10
	5/16/2011	7954.56	NA	4.72	0.00	NA	7949.84
	10/10/2011	7954.56	NA	16.65	0.00	NA	7937.91
	6/4/2012	7954.56	NA	18.07	0.00	NA	7936.49
10/1/2012	7954.56	20.06	20.07	0.01	7934.50	7934.49	
9/16/2013	7954.56	19.26***	19.25***	0.01	7935.30	7935.31	
8/11/2014	7954.56	NA	16.72	0.00	NA	7937.84	
6/8/2015	7954.56	NA	8.65	0.00	NA	7945.91	

**Table 2**  
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**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-41**	7/16/2003	7735.69	NA	13.91	0.00	NA	7721.78
	12/16/2003	7735.69	NA	18.44	0.00	NA	7717.25
	6/9/2004	7735.69	15.29	16.41	1.12	7720.40	7719.28
	12/5/2004	7735.69	17.35	17.79	0.44	7718.34	7717.90
	6/21/2005	7735.69	12.88	13.32	0.44	7722.81	7722.37
	11/8/2005	7735.69	18.92	19.51	0.59	7716.77	7716.18
	4/11/2006	7735.69	16.22	16.23	0.01	7719.47	7719.46
	10/9/2006	7735.69	17.79	17.83	0.04	7717.90	7717.86
	4/24/2007	7735.69	--	--	--	--	--
	10/9/2007	7735.69	13.51	13.63	0.12	7722.18	7722.06
	4/23/2008	7735.69	NA	9.45	0.00	NA	7726.24
	10/15/2008	7735.69	14.21	14.25	0.04	7721.48	7721.44
	4/28/2009	7733.13	NA	10.70	0.00	NA	7722.43
	10/12/2009	7733.13	15.94	15.95	0.01	7717.19	7717.18
	4/12/2010	7733.13	15.77	15.78	0.01	7717.36	7717.35
	9/27/2010	7733.13	15.29	15.74	0.45	7717.84	7717.39
5/16/2011	7733.13	NM	NM	NM	NM	NM	
10/10/2011	7733.13	--	Abandoned	--	--	--	
MW-42	7/16/2003	7715.96	NA	6.40	0.00	NA	7709.56
	12/16/2003	7715.96	NA	15.91	0.00	NA	7700.05
	6/9/2004	7715.96	NA	10.43	0.00	NA	7705.53
	12/5/2004	7715.96	NA	16.18	0.00	NA	7699.78
	6/21/2005	7715.96	NA	6.31	0.00	NA	7709.65
	11/8/2005	7715.96	NA	15.32	0.00	NA	7700.64
	4/11/2006	7715.96	NA	8.42	0.00	NA	7707.54
	10/9/2006	7715.96	NA	15.23	0.00	NA	7700.73
	4/24/2007	7715.96	NA	12.80	0.00	NA	7703.16
	10/9/2007	7715.96	NA	14.10	0.00	NA	7701.86
	4/24/2008	7715.96	NA	NA	NA	NA	NA
	10/13/2008	7715.96	NA	12.22	0.00	NA	7703.74
	4/28/2009	7715.96	NM	NM	NA	NA	NA
	10/12/2009	7715.96	NA	12.95	0.00	NA	7703.01
	4/12/2010	7715.96	NA	15.45	0.00	NA	7700.51
	9/27/2010	7715.96	NA	10.00	0.00	NA	7705.96
	5/16/2011	7715.96	NA	6.35	0.00	NA	7709.61
	10/10/2011	7715.96	NA	8.15	0.00	NA	7707.81
6/4/2012	7715.96	NA	13.25	0.00	NA	7702.71	
10/1/2012	7715.96	NA	17.51	0.00	NA	7698.45	
9/16/2013	7715.96	NA	16.15	0.00	NA	7699.81	
8/11/2014	7715.96	8.16	8.34	0.18	7707.80	7707.62	
6/8/2015	7715.96	6.85	6.90	0.05	7709.11	7709.06	

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**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
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Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-43	6/22/2004	7996.76	NA	64.96	0.00	NA	7931.80
	12/5/2004	7996.76	NA	84.93	0.00	NA	7911.83
	6/21/2005	7996.76	NA	64.10	0.00	NA	7932.66
	11/8/2005	7996.76	NA	64.45	0.00	NA	7932.31
	4/11/2006	7996.76	NA	64.87	0.00	NA	7931.89
	10/9/2006	7996.76	NA	64.79	0.00	NA	7931.97
	4/24/2007	7996.76	NA	64.57	0.00	NA	7932.19
	10/9/2007	7996.76	NA	64.70	0.00	NA	7932.06
	4/24/2008	7996.76	NA	64.94	0.00	NA	7931.82
	10/13/2008	7996.76	NA	51.49	0.00	NA	7945.27
	4/28/2009	7996.76	NA	64.19	0.00	NA	7932.57
	10/12/2009	7996.76	NA	63.95	0.00	NA	7932.81
	4/12/2010	7996.76	NA	64.30	0.00	NA	7932.46
	9/27/2010	7996.76	NA	63.79	0.00	NA	7932.97
	5/16/2011	7996.76	NA	58.51	0.00	NA	7938.25
	10/10/2011	7996.76	NA	63.31	0.00	NA	7933.45
	6/4/2012	7996.76	NA	63.50	0.00	NA	7933.26
	10/1/2012	7996.76	NA	63.76	0.00	NA	7933.00
9/16/2013	7996.76	NA	64.15	0.00	NA	7932.61	
8/11/2014	7996.76	NA	63.74	0.00	NA	7933.02	
6/8/2015	7996.76	NA	62.45	0.00	NA	7934.31	
MW-44	6/22/2004	8015.28	NA	83.44	0.00	NA	7931.84
	12/5/2004	8015.28	NA	65.79	0.00	NA	7949.49
	6/21/2005	8015.28	79.33	79.55	0.22	7935.95	7935.73
	11/8/2005	8015.28	84.60	85.75	1.15	7930.68	7929.53
	4/11/2006	8015.28	83.38	83.94	0.56	7931.90	7931.34
	10/9/2006	8015.28	83.97	84.65	0.68	7931.31	7930.63
	4/26/2007	8015.28	77.93	78.58	0.65	7937.35	7936.70
	10/9/2007	8015.28	NA	78.54	0.00	NA	7936.74
	4/24/2008	8015.28	NA	78.01	0.00	NA	7937.27
	10/15/2008	8015.28	NA	78.11	0.00	NA	7937.17
	4/28/2009	8015.28	NA	72.43	0.00	NA	7942.85
	10/12/2009	8015.28	78.01	78.02	0.01	7937.27	7937.26
	4/12/2010	8015.28	78.50	78.51	0.01	7936.78	7936.77
	9/27/2010	8015.28	78.02	78.03	0.01	7937.26	7937.25
	5/16/2011	8015.28	NA	66.60	0.00	NA	7948.68
	10/10/2011	8015.28	NA	76.68	0.00	NA	7938.60
	6/4/2012	8015.28	NA	78.18	0.00	NA	7937.10
	10/1/2012	8015.28	78.66	78.67	0.01	7936.62	7936.61
9/16/2013	8015.28	NA	78.71	0.00	NA	7936.57	
8/11/2014	8015.28	NA	77.55	0.00	NA	7937.73	
6/8/2015	8015.28	NA	72.15	0.00	NA	7943.13	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-45	6/22/2004	7689.74	NA	15.41	0.00	NA	7674.33
	6/21/2005	7689.74	NA	13.09	0.00	NA	7676.65
	11/8/2005	7689.74	NA	15.77	0.00	NA	7673.97
	4/10/2006	7689.74	NA	13.52	0.00	NA	7676.22
	10/9/2006	7689.74	NA	15.53	0.00	NA	7674.21
	4/24/2007	7689.74	NA	13.31	0.00	NA	7676.43
	7/25/2007	7689.74	NA	14.65	0.00	NA	7675.09
	10/9/2007	7689.74	NA	15.40	0.00	NA	7674.34
	4/24/2008	7689.74	NA	12.99	0.00	NA	7676.75
	10/13/2008	7689.74	NA	14.89	0.00	NA	7674.85
	4/28/2009	7689.74	NA	12.86	0.00	NA	7676.88
	10/12/2009	7689.74	NA	14.55	0.00	NA	7675.19
	4/12/2010	7689.74	NA	13.52	0.00	NA	7676.22
	9/27/2010	7689.74	NA	14.50	0.00	NA	7675.24
	5/16/2011	7689.74	NA	11.92	0.00	NA	7677.82
	10/10/2011	7689.74	NA	14.25	0.00	NA	7675.49
	6/4/2012	7689.74	NA	13.83	0.00	NA	7675.91
	10/1/2012	7689.74	NA	15.43	0.00	NA	7674.31
9/16/2013	7689.74	NA	15.09	0.00	NA	7674.65	
8/11/2014	7689.74	NA	14.11	0.00	NA	7675.63	
6/8/2015	7689.74	NA	12.76	0.00	NA	7676.98	
MW-46	8/1/2005	8077.59	NA	106.42	0.00	NA	7971.17
	11/8/2005	8077.59	NA	--	0.00	--	--
	4/11/2006	8077.59	NA	107.11	0.00	NA	7970.48
	10/9/2006	8077.59	NA	107.05	0.00	NA	7970.54
	4/24/2007	8077.59	NA	106.55	0.00	NA	7971.04
	10/9/2007	8077.59	NA	106.89	0.00	NA	7970.70
	4/23/2008	8077.59	NA	107.13	0.00	NA	7970.46
	10/13/2008	8077.59	NA	105.49	0.00	NA	7972.10
	4/28/2009	8077.59	NA	105.79	0.00	NA	7971.80
	10/12/2009	8077.59	NA	105.78	0.00	NA	7971.81
	4/12/2010	8077.59	NA	106.52	0.00	NA	7971.07
	9/27/2010	8077.59	NA	105.55	0.00	NA	7972.04
	5/16/2011	8077.59	NA	103.73	0.00	NA	7973.86
	10/10/2011	8077.59	NA	104.82	0.00	NA	7972.77
	6/4/2012	8077.59	NA	105.80	0.00	NA	7971.79
	10/1/2012	8077.59	NA	106.35	0.00	NA	7971.24
9/16/2013	8077.59	NA	106.74	0.00	NA	7970.85	
8/11/2014	8077.59	NA	106.05	0.00	NA	7971.54	
6/8/2015	8077.59	NA	104.79	0.00	NA	7972.80	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
MW-47A	8/1/2005	8032.35	NA	29.91	0.00	NA	8002.44
	11/8/2005	8032.35	30.11	30.20	0.09	8002.24	8002.15
	4/11/2006	8032.35	28.13	28.28	0.15	8004.22	8004.07
	10/9/2006	8032.35	30.02	30.05	0.03	8002.33	8002.30
	4/26/2007	8032.35	NA	29.52	0.00	NA	8002.83
	10/9/2007	8032.35	NA	30.00	0.00	NA	8002.35
	4/24/2008	8032.35	23.57	23.74	0.17	8008.78	8008.61
	10/17/2008	8032.35	32.60***	32.62***	0.02	7999.75	7999.73
	4/28/2009	8032.35	22.52	22.61	0.09	8009.83	8009.74
	10/12/2009	8032.35	29.79	29.91	0.12	8002.56	8002.44
	4/12/2010	8032.35	29.80	29.81	0.01	8002.55	8002.54
	9/27/2010	8032.35	29.61	29.79	0.18	8002.74	8002.56
	5/16/2011	8032.35	20.09	20.32	0.23	8012.26	8012.03
	10/10/2011	8032.35	NA	29.66	0.00	NA	8002.69
	6/4/2012	8032.35	29.42	29.61	0.19	8002.93	8002.74
	10/1/2012	8032.35	29.60	29.88	0.28	8002.75	8002.47
	9/16/2013	8032.35	29.61	29.80	0.19	8002.74	8002.55
8/11/2014	8032.35	29.41	29.42	0.01	8002.94	8002.93	
6/8/2015	8032.35	25.99	26.11	0.12	8006.36	8006.24	
SVE-1	7/16/2003	7812.45	NA	3.85	0.00	NA	7808.60
	12/16/2003	7812.45	NA	10.12	0.00	NA	7802.33
	6/9/2004	7812.45	NA	5.15	0.00	NA	7807.30
	6/21/2005	7812.45	NA	1.64	0.00	NA	7810.81
	11/8/2005	7812.45	NA	6.40	0.00	NA	7806.05
	4/11/2006	7812.45	NA	2.21	0.00	NA	7810.24
	10/9/2006	7812.45	NA	6.98	0.00	NA	7805.47
	4/24/2007	7812.45	NA	1.45	0.00	NA	7811.00
	10/9/2007	7812.45	NA	6.07	0.00	NA	7806.38
	4/24/2008	7812.45	NA	1.47	0.00	NA	7810.98
	10/13/2008	7812.45	NA	4.14	0.00	NA	7808.31
	4/28/2009	7812.45	NA	0.67	0.00	NA	7811.78
	10/12/2009	7812.45	NA	5.20	0.00	NA	7807.25
	4/12/2010	7812.45	NA	5.44	0.00	NA	7807.01
	9/27/2010	7812.45	NA	4.50	0.00	NA	7807.95
	5/16/2011	7812.45	NA	0.43	0.00	NA	7812.02
	10/10/2011	7812.45	NA	2.81	0.00	NA	7809.64
	6/4/2012	7812.45	NA	3.85	0.00	NA	7808.60
	10/1/2012	7812.45	NA	8.93	0.00	NA	7803.52
	9/16/2013	7812.45	7.98	7.99	0.01	7804.47	7804.46
8/11/2014	7812.45	NA	4.41	0.00	NA	7808.04	
6/8/2015	7812.45	NA	0.29	0.00	NA	7812.16	

**Table 2**  
**Summary of Depth to Groundwater and PSH Thickness**  
**Measurements from Monitor and SVE Wells**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit,**  
**Rio Blanco County, Colorado**

Well Number	Date Measured	TOC Elevation (Feet AMSL)	Depth to PSH (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
SVE-2	7/16/2003	7805.17	NA	7.05	0.00	NA	7798.12
	12/16/2003	7805.17	NA	10.92	0.00	NA	7794.25
	6/9/2004	7805.17	7.81	7.96	0.15	7797.36	7797.21
	6/21/2005	7805.17	NA	7.23	0.00	NA	7797.94
	11/8/2005	7805.17	9.92	10.31	0.39	7795.25	7794.86
	4/11/2006	7805.17	NA	6.99	0.00	NA	7798.18
	10/9/2006	7805.17	10.54	10.66	0.12	7794.63	7794.51
	4/26/2007	7805.17	NA	6.65	0.00	NA	7798.52
	10/13/2007	7805.17	8.89	9.03	0.14	7796.28	7796.14
	4/23/2008	7805.17	6.02	6.03	0.01	7799.15	7799.14
	10/15/2008	7805.17	8.06	8.11	0.05	7797.11	7797.06
	4/28/2009	7805.17	NA	6.01	0.00	NA	7799.16
	10/12/2009	7805.17	8.63	8.64	0.01	7796.54	7796.53
	4/12/2010	7805.17	10.16	10.17	0.01	7795.01	7795.00
	9/27/2010	7805.17	8.12	8.15	0.03	7797.05	7797.02
	5/16/2011	7805.17	5.20	5.21	0.01	7799.97	7799.96
	10/10/2011	7805.17	7.11	7.12	0.01	7798.06	7798.05
	6/4/2012	7805.17	7.19	7.20	0.01	7797.98	7797.97
	10/1/2012	7805.17	10.73	10.84	0.11	7794.44	7794.33
	9/16/2013	7805.17	10.09	10.26	0.17	7795.08	7794.91
8/11/2014	7805.17	7.42	7.43	0.01	7797.75	7797.74	
6/8/2015	7805.17	5.28	5.29	0.01	7799.89	7799.88	

**Notes:**

1. TOC: Top of Casing
2. AMSL: Above mean sea level
3. PSH: Phase-separated hydrocarbons
4. NA: Not Applicable
5. Data shaded in gray was collected after 24-hour recovery period subsequent to the removal of oil-absorbent socks.
6. SKIM: Thin layer of PSH.
7. \*: MW-22 was replaced with MW-22R on 7/30/2005. Data collected after 7/30/2005 is from well MW-22R.
8. \*\*: MW-24 and MW-41 were abandoned on 7/18/2011
9. NM: Not Measured
10. \*\*\*: Data collected during well purging
11. MW-13, MW-18, MW-22R, MW-24, and MW-41 resurveyed 04/2009
12. MW-8 destroyed winter of 2013/2014

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-1	11/9/2005	3.70	117.4	7.45	1093	6.47
	4/11/2006	3.81	-96.6	7.33	1279	7.33
	10/10/2006	3.32	-53.8	7.80	1300	7.47
	4/25/2007	4.90	-95.8	7.60	1171	7.30
	10/16/2007	2.68	-88.3	7.56	1347	7.05
	4/23/2008	3.21	-109.3	6.92	1450	6.99
	10/14/2008	2.15	-112.6	7.44	1347	7.14
	4/29/2009	2.94	4.4	8.22	1318	7.23
	10/15/2009	2.40	-26.4	7.12	1399	7.12
	4/14/2010	2.41	-67.5	6.09	1439	7.09
	9/29/2010	3.32	-71.6	8.02	1341	6.71
	5/17/2011	2.17	-61.7	7.15	1302	6.98
	10/12/2011	1.66	-18.7	6.80	877	7.05
	6/6/2012	1.98	-119.0	7.08	1417	7.09
	10/4/2012	1.99	-66.1	7.36	1932	6.36
	9/18/2013	2.27	-106.5	8.68	1375	7.12
	8/15/2014	2.16	-61.3	7.50	1382	6.43
6/10/2015	2.59	-101.1	7.42	1273	7.10	
MW-2	11/9/2005	2.67	107.6	10.75	1567	6.49
	4/12/2006	2.54	-105.1	8.76	1927	6.54
	10/10/2006	2.48	-82.6	10.66	1934	7.02
	4/25/2007	NA	NA	NA	NA	NA
	4/25/2007	NA	NA	NA	NA	NA
	10/13/2007	3.06	-116.60	11.43	1805	6.87
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.80	-110.8	10.83	1583	6.68
	10/15/2009	2.07	-89.4	11.65	1582	6.91
	9/27/2010	*	*	*	*	*
	5/19/2011	2.47	-75.8	6.88	1381	8.51
	10/1/2012	*	*	*	*	*
	9/19/2013	2.14	-145.5	11.51	1326	6.87
	8/14/2014	1.88	-81.9	10.27	1311	6.51
6/11/2015	3.14	-127.8	7.39	1207	6.89	
MW-3	11/8/2005	*	*	*	*	*
	4/11/2006	**	**	**	**	**
	10/10/2006	**	**	**	**	**
	4/25/2007	NA	NA	NA	NA	NA
	10/16/2007	1.62	-120.80	10.41	1398	6.74
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*
	10/12/2009	*	*	*	*	*
	9/27/2010	**	**	**	**	**
	10/10/2011	*	*	*	*	*
	10/1/2012	**	**	**	**	**
	9/16/2013	*	*	*	*	*
8/14/2014	**	**	**	**	**	
6/8/2015	**	**	**	**	**	
MW-4	11/9/2005	2.52	106.2	12.77	1198	6.69
	4/11/2006	2.39	-79.7	8.63	1304	7.02
	10/10/2006	2.32	-69.7	12.81	1282	7.12
	4/25/2007	4.25	-98.3	9.07	1246	6.92
	10/16/2007	1.49	-120.9	13.02	1246	6.67
	4/23/2008	2.80	-112.9	9.71	1456	6.34
	10/14/2008	NM	NM	NM	NM	NM
	5/1/2009	2.21	-33.3	7.66	1339	6.45
	10/14/2009	1.39	-59.2	11.81	1237	6.96
	4/13/2010	1.37	-83.0	6.18	1484	6.56
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/19/2011	2.37	-41.6	5.83	1270	6.71
	10/11/2011	1.45	-80.5	11.41	921	7.05
	6/5/2012	2.23	-115.0	9.13	1200	6.53
	10/3/2012	1.49	-90.8	12.70	1428	6.31
	9/19/2013	2.08	-144.9	11.34	1275	7.05
	8/13/2014	2.65	-101.9	10.31	1357	6.92
6/11/2015	3.22	-110.2	7.25	1296	6.87	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH	
MW-5	11/8/2005	4.33	120.9	8.20	1277	6.84	
	4/11/2006	4.62	-95.5	4.06	1072	7.37	
	10/9/2006	5.22	NM	8.91	1369	7.36	
	4/25/2007	5.20	24.5	5.12	1153	7.35	
	10/17/2007	2.56	-38.3	7.68	1362	7.37	
	4/23/2008	3.01	217.8	3.13	1195	6.61	
	10/14/2008	2.35	-80.5	6.94	1507	7.56	
	4/29/2009	4.11	130.1	2.91	1003	7.15	
	10/13/2009	2.50	19.9	8.28	1544	7.13	
	4/14/2010	NM	228.3	1.55	1538	7.32	
	9/28/2010	NM*	NM*	NM*	NM*	NM*	
	5/17/2011	2.90	-4.2	3.11	845	7.26	
	10/12/2011	2.64	123.5	7.74	932	7.37	
	6/5/2012	3.51	143.8	8.16	1286	6.40	
	10/4/2012	2.63	-19.5	9.42	1996	6.62	
	9/18/2013	2.63	3.0	9.16	1396	7.14	
	8/15/2014	2.86	10.7	7.32	1468	6.80	
6/10/2015	3.83	-4.9	6.30	1217	7.24		
MW-6	11/9/2005	3.57	110.1	9.31	1358	6.59	
	4/11/2006	4.90	-63.1	7.76	1731	6.87	
	10/11/2006	3.51	-1.9	9.62	1617	7.49	
	4/25/2007	NA	NA	NA	NA	NA	
	10/15/2007	2.61	-91.80	9.19	1600	6.90	
	4/23/2008	NA	NA	NA	NA	NA	
	10/14/2008	2.00	-68.2	9.16	1744	6.68	
	10/13/2009	2.22	-58.1	9.29	1637	7.01	
	9/28/2010	NM*	NM*	NM*	NM*	NM*	
	5/16/2011	3.21	-23.8	7.99	1945	6.67	
	10/2/2012	1.72	-26.2	10.18	1653	6.64	
	9/19/2013	2.54	-67.7	9.82	1584	6.92	
	8/12/2014	1.79	-49.5	8.85	1893	6.65	
	6/9/2015	3.08	-55.3	8.44	2314	6.84	
	MW-7	11/9/2005	3.32	111.1	8.59	923	6.70
		4/11/2006	3.06	-87.8	5.02	1052	6.80
		10/12/2006	2.88	-65.3	9.36	1090	7.08
4/25/2007		NA	NA	NA	NA	NA	
10/15/2007		2.23	-115.20	9.26	1083	6.83	
4/23/2008		NA	NA	NA	NA	NA	
10/14/2008		2.57	-129.5	9.66	1101	6.80	
10/13/2009		1.96	-106.9	9.91	1012	6.89	
9/28/2010		NM*	NM*	NM*	NM*	NM*	
5/16/2011		2.88	-30.8	5.34	1134	6.53	
10/2/2012		1.28	-81.8	10.37	762	6.62	
9/19/2013		2.13	-136.4	10.09	1001	6.90	
8/12/2014		2.38	-69.8	9.07	1177	6.40	
6/9/2015		2.61	-108.2	7.16	1316	6.62	
MW-8		11/10/2005	3.80	130.3	10.13	885	7.12
		4/14/2006	4.05	-59	7.35	1248	7.09
		10/12/2006	3.72	-62.6	11.96	1100	7.19
	4/25/2007	NA	NA	NA	NA	NA	
	10/16/2007	2.74	-55.4	10.69	1224	6.92	
	4/23/2008	NA	NA	NA	NA	NA	
	10/14/2008	1.81	-113.6	11.81	1070	7.05	
	10/13/2009	2.26	-66.1	11.62	910	7.25	
	9/29/2010	3.81	-54.1	14.02	929	7.36	
	5/18/2011	3.42	-1.9	13.15	956	7.37	
	10/2/2012	1.49	-72.5	19.57	1111	6.76	
	9/19/2013	1.97	-84.9	16.54	974	7.14	
	8/13/2014	NA	NA	NA	NA	NA	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-9	11/8/2005	3.70	110.4	9.43	1570	6.58
	4/11/2006	2.14	-108	9.36	2004	6.96
	10/12/2006	2.97	-87.7	9.24	1796	7.24
	4/26/2007	3.70	-125.5	9.43	1690	7.17
	10/15/2007	2.70	-130.0	9.17	1865	7.08
	4/23/2008	2.45	-109.4	9.37	2237	6.80
	10/16/2008	2.24	-116.1	9.95	1795	7.17
	4/29/2009	NM	NM	NM	NM	NM
	10/13/2009	2.07	-110.5	8.83	1752	7.17
	4/13/2010	1.38	-108.4	8.28	1786	6.84
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/16/2011	2.13	-31.1	8.41	1453	6.71
	10/10/2011	1.70	-97.8	9.21	1216	7.23
	6/5/2012	1.86	-123.2	9.85	1546	6.56
	10/3/2012	1.47	-97.5	9.28	1926	6.42
	9/19/2013	2.21	-136.2	8.28	1447	7.07
	8/12/2014	1.89	-25.0	8.98	1701	7.05
6/9/2015	2.63	-134.7	9.83	1965	7.33	
MW-10	11/10/2005	1.95	139.7	11.41	1172	6.49
	4/13/2006	NA	NA	NA	NA	NA
	10/12/2006	1.58	-94.6	11.95	1347	7.11
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	1.50	-139.00	11.98	1252	6.93
	4/23/2008	NA	NA	NA	NA	NA
	10/14/2008	NM	NM	NM	NM	NM
	10/12/2009	*	*	*	*	*
	9/29/2010	3.07	-121.8	12.25	1227	7.31
	5/16/2011	2.04	-62.3	7.05	1391	6.58
	10/1/2012	*	*	*	*	*
	9/16/2013	***	***	***	***	***
	8/13/2014	1.98	-115.1	12.20	1225	6.67
	6/12/2015	2.40	-124.5	8.04	1109	6.67
MW-11	11/9/2005	3.68	112.4	12.05	1443	6.78
	4/12/2006	3.04	-28.3	10.04	1643	6.97
	10/11/2006	3.05	210.5	12.42	1720	7.64
	4/25/2007	NA	NA	NA	NA	NA
	10/13/2007	1.98	-71.7	13.93	1766	7.27
	4/23/2008	NA	NA	NA	NA	NA
	10/17/2008	1.55	-32.9	12.10	1726	6.91
	10/14/2009	1.60	-30.5	10.84	1604	7.16
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/18/2011	2.25	-0.7	6.92	2133	7.15
	10/3/2012	2.61	108.3	10.08	1826	6.21
	9/18/2013	2.17	-50.8	10.78	1661	7.10
	8/14/2014	1.84	-48.4	9.69	1752	6.81
6/11/2015	3.16	-87.7	8.03	1704	7.06	
MW-12	11/8/2005	*	*	*	*	*
	4/11/2006	*	*	*	*	*
	10/10/2006	*	*	*	*	*
	4/26/2007	*	*	*	*	*
	10/16/2007	*	*	*	*	*
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.63	-123.5	12.60	1149	7.06
	10/14/2009	1.74	-110.6	11.83	1031	6.99
	9/27/2010	*	*	*	*	*
	5/19/2011	2.40	-84.9	6.14	1016	7.00
	10/1/2012	*	*	*	*	*
	9/18/2013	2.01	-146.0	13.18	1087	7.08
	8/12/2014	*	*	*	*	*
6/12/2015	2.84	-131.4	7.46	1050	6.90	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-13	11/9/2005	2.59	105.0	13.18	1280	6.73
	4/13/2006	2.56	-86.6	5.3	919	6.68
	10/11/2006	0.79	-53.2	14.5	1684	7.39
	4/25/2007	NA	NA	NA	NA	NA
	10/18/2007	2.22	-100.10	12.44	1575	6.79
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.88	-95.5	11.63	1162	7.03
	10/14/2009	1.89	-107.3	11.40	1201	6.95
	9/29/2010	1.34	-95.2	11.31	1244	7.28
	5/19/2011	2.16	-86.5	4.49	1058	7.05
	10/3/2012	0.16	-122.9	11.24	1311	6.44
	9/20/2013	2.54	-155.7	11.14	1022	7.00
	8/13/2014	2.48	-111.7	10.56	1157	6.88
	6/12/2015	2.52	-122.5	8.14	1273	6.95
	MW-14	11/8/2005	*	*	*	*
4/11/2006		***	***	***	***	***
10/9/2006		***	***	***	***	***
4/25/2007		NA	NA	NA	NA	NA
10/15/2007		2.03	-124.90	10.83	961	6.89
4/23/2008		NA	NA	NA	NA	NA
10/16/2008		1.86	-122.6	9.58	903	6.94
10/14/2009		***	***	***	***	***
9/27/2010		*	*	*	*	*
5/16/2011		*	*	*	*	*
10/1/2012		*	*	*	*	*
9/16/2013		***	***	***	***	***
8/13/2014		*	*	*	*	*
6/8/2015	***	***	***	***	***	
MW-15	11/8/2005	*	*	*	*	*
	4/11/2006	***	***	***	***	***
	10/11/2006	2.77	-59.40	9.93	980	7.90
	4/25/2007	NA	NA	NA	NA	NA
	10/17/2007	2.54	-87.60	9.71	984	7.14
	4/23/2008	NA	NA	NA	NA	NA
	10/14/2008	1.89	-110.8	10.00	967	7.11
	10/12/2009	*	*	*	*	*
	9/29/2010	1.42	-96.9	11.01	991	7.31
	5/18/2011	2.15	-81.6	9.63	1187	7.08
	10/1/2012	*	*	*	*	*
	9/19/2013	2.26	-107.80	10.93	841	7.06
	8/12/2014	1.74	-40.6	12.59	896	7.34
	6/11/2015	2.55	-107.7	10.54	882	7.03
	MW-16	11/9/2005	7.37	109.7	8.93	1646
4/12/2006		5.61 <sup>a</sup>	9.3	11.01	2108	7.02
10/11/2006		6.32	296.3	8.41	1987	7.76
4/25/2007		NA	NA	NA	NA	NA
10/13/2007		4.60	15.90	10.10	2185	7.31
4/23/2008		NA	NA	NA	NA	NA
10/17/2008		NM	NM	NM	NM	NM
10/14/2009		NM	NM	NM	NM	NM
9/28/2010		NM*	NM*	NM*	NM*	NM*
5/18/2011		4.54	33.9	8.92	2084	7.25
10/3/2012		6.04	109.1	8.33	1867	6.43
9/18/2013		6.33	-6.7	10.66	1612	7.13
8/14/2014		4.93	54.2	11.42	1686	7.00
6/11/2015		6.98	28.8	9.46	1556	7.22

**Table 3**  
**Summary of Field Parameters**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-17	11/9/2005	2.38	106.7	12.67	1277	6.46
	4/13/2006	1.95	-107.1	11.68	1480	6.7
	10/10/2006	2.75	-84.3	11.85	1368	7.13
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	2.73	-121.60	12.53	1344	6.88
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	2.13	-120.1	10.87	1419	6.82
	10/16/2009	2.10	70.6	10.38	1069	6.68
	9/30/2010	1.60	-82.9	10.45	1209	7.27
	5/19/2011	2.25	-100.1	7.75	1402	8.66
	10/3/2012	2.04	-82.7	11.36	1202	6.21
	9/20/2013	2.43	-153.2	10.22	885	7.00
	8/13/2014	2.17	-114.2	9.67	1172	6.82
	6/12/2015	2.97	-134.1	8.19	1582	6.83
MW-18	11/9/2005	3.89	107.0	9.26	1275	6.78
	4/14/2006	2.86	-104.5	7.89	1391	6.88
	10/10/2006	3.50	-72.6	9.16	1442	7.38
	4/25/2007	NA	NA	NA	NA	NA
	10/16/2007	NA	NA	NA	NA	NA
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	NM	NM	NM	NM	NM
	10/15/2009	1.90	-51.4	8.59	1386	7.25
	9/30/2010	2.32	-66.8	8.34	1368	7.46
	5/19/2011	2.26	-100.2	7.31	1272	8.71
	10/3/2012	4.51	-71.4	9.65	1362	6.54
	9/20/2013	2.34	-137.8	8.40	1151	7.20
	8/13/2014	2.52	-106.1	8.77	1210	7.17
	6/12/2015	2.71	-106.8	7.41	1264	7.13
MW-19	11/10/2005	3.41	136.5	10.02	840	6.42
	4/13/2006	2.09	-102.0	8.45	1065	6.57
	10/11/2006	2.83	-94.3	10.06	1017	7.56
	4/25/2007	NA	NA	NA	NA	NA
	10/17/2007	2.83	-122.80	9.64	1025	6.85
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.92	-128.31	10.00	949	6.96
	10/13/2009	NM	NM	NM	NM	NM
	9/29/2010	24.6	-121.5	9.60	891	7.36
	5/19/2011	2.71	-90.9	6.74	754	6.63
	10/2/2012	1.79	-92.7	11.01	908	6.51
	9/17/2013	2.24	-153.0	9.53	936	7.06
	8/13/2014	2.78	-119.6	10.04	939	6.91
	6/11/2015	3.24	-119.1	7.85	829	6.84
MW-20	11/9/2005	3.53	113.0	9.70	1715	6.54
	4/11/2006	3.17	-92.2	6.61	1919	6.84
	10/11/2006	3.12	-86.5	9.80	1955	7.64
	4/25/2007	4.45	-117.7	7.42	1716	7.04
	7/25/2007	2.26	-82.0	9.46	1730	9.46
	10/17/2007	2.78	-113.9	10.06	1678	6.74
	4/23/2008	2.97	-101.1	8.09	1414	6.65
	10/15/2008	NM	NM	NM	NM	NM
	5/1/2009	1.97	158.2	7.45	1280	6.85
	10/14/2009	1.94	-100.1	10.69	1313	7.02
	4/13/2010	1.66	-111.7	6.85	1380	6.73
	9/30/2010	1.85	-104.0	10.19	1364	7.41
	5/19/2011	2.36	-89.4	7.01	1119	8.52
	10/11/2011	2.41	-57.9	10.27	869	7.28
	6/6/2012	2.81	-128.1	9.38	1295	6.60
	10/3/2012	2.21	-94.4	10.97	1374	6.29
	9/19/2013	2.36	-147.3	9.97	1240	7.04
	8/14/2014	2.04	-79.1	10.28	1386	6.70
6/11/2015	3.27	-131.3	7.87	1347	6.96	

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**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-21	11/9/2005	4.13	109.5	9.03	2175	6.58
	4/12/2006	2.26	-91	7.31	2504	6.77
	10/10/2006	3.32	-61	9.00	2536	7.11
	4/25/2007	4.87	-100.3	6.72	2503	6.89
	10/13/2007	1.74	-105.9	9.38	2481	7.01
	4/23/2008	2.15	-52.7	6.20	2290	6.51
	10/16/2008	1.30	-107.4	9.46	2566	6.94
	5/1/2009	2.70	152.2	6.99	2277	6.86
	10/15/2009	2.16	-84.8	9.88	2592	6.98
	4/14/2010	1.91	-91.8	6.98	2270	6.88
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/19/2011	2.49	-91.8	6.95	2246	8.47
	10/11/2011	0.86	-86.2	9.01	1547	7.12
	6/6/2012	2.22	-101.5	8.98	2263	6.67
	10/3/2012	1.86	-77.4	10.79	2402	6.23
	9/19/2013	1.92	-123.5	9.47	2221	6.94
	8/14/2014	1.83	-58.6	9.36	2327	6.56
6/11/2015	3.08	-102.2	7.18	2144	6.92	
MW-22R	11/9/2005	3.31	110.6	8.70	1702	6.62
	4/12/2006	2.23	-107.9	8.45	2150	6.82
	10/10/2006	3.54	-74.9	8.68	1823	7.22
	4/25/2007	NA	NA	NA	NA	NA
	10/18/2007	2.85	-114.10	8.83	1959	7.03
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	1.92	-122.8	9.46	1885	6.96
	10/15/2009	1.95	-84.5	9.95	1810	7.06
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/17/2011	2.05	-93.7	7.67	1444	6.92
	10/3/2012	2.58	-105.9	10.71	1749	6.41
	9/19/2013	2.10	-150	9.67	1447	7.13
	8/14/2014	1.65	-86.5	10.05	1416	6.80
	6/11/2015	2.40	-142.2	8.46	1298	7.11
MW-23	11/9/2005	2.31	108.6	10.47	1119	6.61
	4/11/2006	3.08	-81.5	6.85	1579	6.93
	10/10/2006	2.01	-83.1	10.43	1330	7.41
	4/25/2007	NA	NA	NA	NA	NA
	10/16/2007	2.04	-130.20	11.23	1372	6.98
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	0.89	-133.2	10.85	1688	7.12
	10/15/2009	1.74	-104.2	11.20	1503	7.25
	9/30/2010	1.55	-109.3	9.90	1445	7.60
	5/17/2011	3.45	-51.3	5.98	1185	6.97
	10/4/2012	2.73	-95.8	9.75	1999	6.31
	9/19/2013	2.05	-153.1	10.60	1516	7.25
	8/14/2014	1.81	-89.8	9.75	1583	6.94
6/11/2015	4.67	-19.3	8.31	1453	7.16	
MW-24	11/8/2005	*	*	*	*	*
	4/11/2006	*	*	*	*	*
	10/9/2006	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA
	10/16/2007	1.08	-136.80	11.12	2148	6.91
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	1.35	NM	10.51	2354	6.83
	10/16/2009	1.60	-110.3	10.23	2062	6.95
	9/27/2010	**	**	**	**	**

**Table 3**  
**Summary of Field Parameters**  
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**Wilson Creek Unit**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-25	11/9/2005	5.40	112.6	8.52	1514	6.60
	4/11/2006	5.15	-59.5	5.51	1341	6.98
	10/11/2006	3.46	-47.4	8.38	1758	7.58
	4/25/2007	NA	NA	NA	NA	NA
	10/17/2007	2.70	-84.30	8.89	1684	6.86
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	2.11	-77.1	9.42	1631	6.90
	10/15/2009	NM	NM	NM	NM	NM
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/17/2011	2.69	-23.8	5.82	892	6.70
	10/4/2012	2.65	-84.1	8.91	1906	6.27
	9/19/2013	4.54	-130.3	9.11	1329	7.17
	8/14/2014	3.56	-51.2	8.66	1365	6.74
	6/11/2015	3.34	-85.4	7.39	1157	6.96
MW-26	11/9/2005	3.53	112.5	8.69	1189	6.46
	4/11/2006	5.15	-46	4	1163	6.98
	10/9/2006	3.08	-57.6	10	1422	7.16
	4/25/2007	NA	NA	NA	NA	NA
	10/17/2007	2.21	-109.30	9.32	1574	6.81
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.54	-109.9	9.74	1541	7.06
	10/16/2009	1.98	-98.0	9.60	1378	7.02
	9/30/2010	4.75	-89.9	9.39	1474	7.39
	5/17/2011	2.67	-44.2	4.70	918	6.77
	10/3/2012	8.43	-83.7	11.57	1494	6.24
	9/19/2013	1.83	-142.2	9.32	1201	7.08
	8/14/2014	2.03	-72.2	9.34	1331	6.71
	6/9/2015	3.26	-110.4	8.07	1363	7.22
MW-27	11/10/2005	2.15	137.1	13.29	1107	6.54
	4/11/2006	3.03	-110.1	10.26	1368	6.74
	10/12/2006	2.04	-68.2	14.78	1178	6.93
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	1.70	-111.30	14.68	1090	6.82
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.97	-113.1	13.47	1041	6.95
	10/13/2009	1.59	-115.9	13.11	905	7.17
	9/29/2010	18.9	-116.5	11.63	941	7.41
	5/19/2011	2.15	23.3	4.34	964	6.40
	10/2/2012	0.62	-112.3	11.10	963	6.80
	9/17/2013	1.56	-154.7	10.51	1032	7.18
	8/13/2014	2.77	-116.4	12.01	1006	6.93
	6/11/2015	3.14	-113.2	6.94	884	6.84
MW-28	11/9/2005	7.32	119.6	8.53	931	6.58
	4/11/2006	6.11	-39.6	6.91	1101	7.07
	10/9/2006	5.31	366.7	8.80	1117	7.02
	4/25/2007	6.67	159.7	7.92	1129	6.91
	10/16/2007	4.92	-11.6	8.77	1171	6.85
	4/23/2008	NA	NA	NA	NA	NA
	10/14/2008	4.52	-7.1	9.13	1030	7.12
	4/29/2009	2.76	41.2	8.23	1081	7.26
	10/13/2009	3.86	62.6	9.00	1016	7.07
	4/13/2010	4.33	65.0	7.61	1147	6.77
	9/27/2010	NM*	NM*	NM*	NM*	NM*
	5/17/2011	5.80	111.7	6.95	1059	6.79
	10/11/2011	4.79	-20.6	8.89	664	7.15
	6/6/2012	5.97	5.3	8.70	1058	7.00
	10/4/2012	4.20	-4.1	9.40	1538	6.34
	9/19/2013	4.64	5.3	9.43	1018	6.99
	8/14/2014	4.42	23.3	9.50	1073	6.69
6/9/2015	6.10	33.1	9.15	1287	7.25	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-29	11/9/2005	9.15	111.9	9.43	1073	6.64
	4/11/2006	3.00	-103.0	7.9	1279	7.09
	10/10/2006	2.56	-69.0	9.66	1235	7.42
	4/25/2007	4.97	-106.8	7.45	1293	7.14
	10/16/2007	1.82	-112.3	10.35	1182	6.98
	4/24/2008	2.74	-38.3	7.55	1400	6.43
	10/14/2008	1.64	-132.9	10.13	1416	7.20
	4/29/2009	2.53	16.9	7.65	1458	6.96
	10/13/2009	1.50	-113.1	9.96	1366	7.09
	4/13/2010	1.30	-91.2	6.23	1410	6.63
	9/27/2010	NM*	NM*	NM*	NM*	NM*
	5/17/2011	2.15	-20.8	5.77	1403	6.84
	10/11/2011	1.06	-85.7	10.46	963	7.19
	6/6/2012	1.71	-138.2	7.71	1277	6.96
	10/4/2012	1.70	-104.6	10.17	1515	6.41
	9/19/2013	1.73	-144.6	10.21	1110	7.13
	8/14/2014	1.94	-52.8	12.06	1346	6.70
6/9/2015	2.59	-112.6	8.59	1531	7.23	
MW-30	11/9/2005	8.30	112.1	8.57	1099	6.67
	4/11/2006	2.00	-94.2	9.41	1323	6.97
	10/10/2006	1.70	-48.8	8.81	1284	7.40
	4/25/2007	3.69	-95.2	8.89	1252	7.16
	10/16/2007	1.04	-123.3	8.74	1341	7.02
	4/24/2008	2.31	-103.8	8.56	1831	6.86
	10/14/2008	1.91	-103.3	9.16	1590	6.89
	4/29/2009	2.12	-35.5	9.56	1487	7.21
	10/13/2009	1.31	-98.0	8.79	1351	7.11
	4/13/2010	1.09	-72.1	7.53	1329	6.76
	9/30/2010	1.17	-43.7	8.99	1361	7.22
	5/17/2011	1.86	-80.3	7.84	1334	6.94
	10/11/2011	1.50	-23.2	8.78	879	7.19
	6/6/2012	2.28	-101.2	8.43	1276	7.08
	10/4/2012	0.73	-92.6	8.56	1687	6.39
	9/18/2013	1.98	-112.7	10.30	1313	7.21
	8/14/2014	1.63	-25.9	10.35	1464	6.83
6/10/2015	2.61	-92.6	9.24	1449	7.10	
MW-31	11/8/2005	5.29	123.6	8.64	1120	8.64
	4/11/2006	4.25	-43.9	4.82	1546	7.14
	10/9/2006	4.47	113.8	9.58	1319	7.40
	4/25/2007	5.85	105.5	5.03	1340	7.34
	10/16/2007	2.96	-44.2	9.74	1645	7.06
	4/24/2008	4.01	-35.5	4.46	1690	7.18
	10/14/2008	3.79	-49.1	9.91	1271	7.15
	4/29/2009	3.61	22.5	5.04	1294	7.47
	10/13/2009	2.43	-46.2	9.66	1196	7.40
	4/14/2010	2.07	88.8	4.23	1376	7.15
	9/29/2010	3.36	27.1	10.66	1266	6.97
	5/17/2011	2.46	-32.6	4.61	1218	7.08
	10/11/2011	2.66	-48.0	9.57	863	7.43
	6/6/2012	2.94	-9.0	7.45	1251	6.90
	10/4/2012	2.56	-24.0	10.94	1440	6.51
	9/18/2013	2.84	-28.1	10.76	1308	7.32
	8/15/2014	2.74	-27.4	9.32	1351	7.02
6/10/2015	2.72	-51.2	6.91	1263	7.24	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-32	11/8/2005	3.30	116.2	9.41	1227	6.79
	4/11/2006	7.18	-28.5	2.58	749	6.86
	10/9/2006	5.03	1.6	10.61	995	7.33
	4/25/2007	6.08	-37	5.09	557	7.25
	10/17/2007	2.48	-77.1	10.54	1207	6.98
	4/23/2008	4.60	-16.5	2.60	751	6.72
	10/14/2008	2.07	-77.6	9.66	1641	6.98
	4/29/2009	3.90	-159.3	4.26	871	6.65
	10/13/2009	1.81	-63.8	9.49	1390	7.21
	4/14/2010	4.23	50.0	3.33	1201	7.23
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/17/2011	3.19	-37.1	4.46	1081	7.10
	10/12/2011	1.32	101.5	9.18	983	7.12
	6/5/2012	2.57	-90.1	8.25	1268	6.71
	10/4/2012	1.76	-92.9	11.32	1937	6.54
	9/18/2013	2.51	-124.1	10.84	1434	7.22
8/15/2014	2.28	-82.3	9.79	1533	6.88	
6/10/2015	4.31	-76.2	9.91	1376	7.16	
MW-33	11/8/2005	*	*	*	*	*
	4/13/2006	2.04	-88.5	5.70	1064	6.77
	10/12/2006	0.88	-85.1	11.68	1141	7.12
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	1.23	-128.20	11.90	1063	6.94
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.09	-132.7	11.58	988	6.99
	10/13/2009	1.37	-130.7	11.45	958	7.05
	9/27/2010	*	*	*	*	*
	5/16/2011	2.98	-32.3	5.94	828	6.79
	10/1/2012	*	*	*	*	*
	9/17/2013	1.55	-151.2	11.84	1024	6.98
	8/12/2014	2.29	-105.6	11.82	1060	7.01
6/10/2015	2.86	-18.2	9.51	814	6.89	
MW-34	11/10/2005	4.31	141.6	12.57	1018	6.91
	4/13/2006	9.4	28.0	13.97	698	7.32
	10/12/2006	3.8	-66.8	13.70	980	7.35
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	2.20	-114.0	13.71	1154	7.20
	4/23/2008	NA	NA	NA	NA	NA
	10/16/2008	1.77	-128.5	13.47	1154	7.22
	10/13/2009	1.87	-131.0	14.06	1107	7.31
	9/29/2010	39.4	-124.2	12.95	1125	7.52
	5/17/2011	2.42	-72.5	5.73	830	6.96
	10/2/2012	1.47	-94.7	12.29	1069	6.70
	9/17/2013	1.73	-154.2	11.57	967	7.24
	8/12/2014	1.78	-28.8	10.20	1041	7.12
	6/10/2015	2.53	-140.2	7.33	865	7.18
MW-35	11/10/2005	3.07	135.9	9.02	735	6.76
	4/13/2006	2.99	-87.8	9.28	912	7.09
	10/12/2006	0.94	-63.3	8.72	760	7.31
	4/26/2007	3.81	-120.7	8.31	857	7.45
	10/15/2007	1.68	-106.7	8.60	861	7.20
	4/24/2008	2.97	-67.0	6.91	1014	6.84
	10/16/2008	1.94	-110.6	8.45	901	7.26
	4/30/2009	2.44	62.0	8.50	915	7.38
	10/14/2009	2.06	-103.7	7.96	839	7.23
	4/13/2010	1.52	-103.1	6.49	760	7.09
	9/29/2010	16.1	-118.0	8.69	891	7.56
	5/19/2011	2.12	-82.0	7.06	827	6.98
	10/10/2011	2.17	-125.8	10.04	634	7.54
	6/5/2012	1.97	-116.4	8.67	744	6.82
	10/2/2012	2.81	-88.6	8.61	868	6.83
	9/17/2013	2.16	-155.7	8.80	806	7.42
8/13/2014	3.05	-114.5	9.21	849	6.98	
6/12/2015	2.64	-117.9	7.94	844	7.07	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-36	11/9/2005	2.80	106.4	13.46	1165	6.56
	4/13/2006	1.96	-105.0	11.91	1402	6.68
	10/11/2006	2.39	-81.3	13.38	1184	7.54
	4/25/2007	NA	NA	NA	NA	NA
	10/18/2007	2.35	-117.70	13.11	1225	6.93
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	1.99	-121.6	11.25	1282	6.93
	10/16/2009	1.95	-83.2	10.60	992	6.89
	9/30/2010	4.45	-88.7	10.87	1078	7.28
	5/19/2011	2.25	-95.4	7.81	1230	8.73
	10/3/2012	1.81	-84	11.63	1146	6.19
	9/20/2013	2.83	-157	10.40	924	7.04
	8/13/2014	2.25	-117.0	9.63	1118	6.78
	6/12/2015	2.77	-130.8	8.04	1273	6.88
MW-37	11/9/2005	0.87	98.1	15.15	1273	6.86
	4/14/2006	1.64	-106.7	10.01	1474	6.71
	10/10/2006	1.14	-96.0	16.59	1456	7.22
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	13.1	-150.6	16.84	1357	7.06
	4/23/2008	NA	NA	NA	NA	NA
	10/15/2008	1.62	-133.1	13.74	1240	6.98
	10/16/2009	1.72	-74.3	11.94	1039	6.98
	9/29/2010	2.13	-119.1	12.20	1254	7.15
	5/19/2011	2.34	-64.9	6.73	1074	8.85
	10/3/2012	1.05	-101.7	13.23	1354	6.28
	9/20/2013	2.37	-158.7	10.87	1026	7.06
	8/13/2014	2.37	-130.7	9.75	1289	6.83
	6/12/2015	3.21	-139.7	7.47	1213	6.87
MW-38	11/9/2005	2.03	101.3	15.12	1121	6.59
	4/13/2006	2.30	-116.3	12.98	1363	6.79
	10/12/2006	1.93	-98.6	17.89	1348	7.16
	4/25/2007	3.67	-140.6	12.53	1274	7.18
	7/25/2007	2.16	-100.3	13.89	1276	6.91
	10/16/2007	1.77	-131.1	15.15	1374	7.17
	4/24/2008	2.41	-58.69	9.90	1249	6.28
	10/16/2008	1.69	91.9	13.02	NM	6.88
	5/1/2009	2.11	3.50	6.98	1129	7.10
	10/14/2009	2.01	-106.0	10.99	1121	7.08
	4/13/2010	1.32	6.90	5.30	1113	6.90
	9/29/2010	2.39	-121.2	11.70	1151	7.55
	5/19/2011	1.09	-109.4	6.30	1017	7.11
	10/11/2011	1.30	-142.6	11.59	810	7.28
	6/5/2012	1.71	-139.5	9.26	1008	6.25
	10/3/2012	0.91	-112.6	12.75	1209	6.46
	9/20/2013	1.68	-165.5	12.07	932	7.02
8/13/2014	1.86	-131.3	11.06	1157	6.93	
6/12/2015	2.44	-141.1	7.19	1051	7.04	
MW-39	11/9/2005	3.13	111.8	10.34	1441	6.62
	4/14/2006	3.58	-49.5	6.39	1715	6.91
	10/10/2006	4.00	13.2	10.53	1700	7.25
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	2.51	-56.70	10.88	1807	6.81
	4/24/2008	NA	NA	NA	NA	NA
	10/14/2008	2.43	-46.9	10.75	1765	6.75
	10/14/2009	2.52	5.4	10.46	1633	7.01
	9/29/2010	2.31	33.6	11.99	1668	7.23
	5/19/2011	2.56	-55.6	6.63	1534	7.05
	10/3/2012	2.50	-20.3	11.72	1644	6.48
	9/19/2013	2.54	-31.5	12.12	1570	6.99
	8/13/2014	2.90	-58.9	10.93	1773	6.93
	6/11/2015	3.42	-54.6	8.14	1636	7.08

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**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-40	11/10/2005	1.39	124.5	10.50	785	6.78
	4/13/2006	NM	NM	NM	NM	NM
	10/9/2006	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA
	10/17/2007	1.12	-129.90	9.43	942	7.04
	4/24/2008	NA	NA	NA	NA	NA
	10/17/2008	*	*	*	*	*
	10/12/2009	*	*	*	*	*
	9/27/2010	*	*	*	*	*
	5/18/2011	2.00	-90.5	8.27	1245	7.19
	10/1/2012	*	*	*	*	*
	9/18/2013	*	*	*	*	*
	8/13/2014	1.04	-147.6	10.02	913	7.12
	6/10/2015	1.79	-150.6	9.19	947	7.31
MW-41	11/10/2005	*	*	*	*	*
	4/11/2006	**	**	**	**	**
	10/11/2006	**	**	**	**	**
	4/25/2007	NA	NA	NA	NA	NA
	10/16/2007	NA	NA	NA	NA	NA
	4/24/2008	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*
	10/12/2009	**	**	**	**	**
	9/27/2010	**	**	**	**	**
MW-42	11/9/2005	2.18	109.2	10.46	4590	6.54
	4/12/2006	2.31	-78.8	6.42	2126	6.51
	10/11/2006	1.98	-80.2	10.48	5009	7.49
	4/25/2007	NA	NA	NA	NA	NA
	10/18/2007	1.95	-102.5	10.31	5411	6.93
	4/24/2008	NA	NA	NA	NA	NA
	10/17/2008	1.27	-120.3	9.84	6134	6.82
	10/14/2009	1.73	-50.3	10.06	5767	6.97
	9/30/2010	2.36	-83.3	10.34	6138	7.29
	5/17/2011	2.34	-63.6	6.10	3740	6.99
	10/4/2012	1.91	-103.6	10.12	6677	6.27
	9/19/2013	0.71	-170.2	10.26	4524	7.08
	8/11/2014	**	**	**	**	**
6/8/2015	**	**	**	**	**	
MW-43	11/10/2005	4.18	129.4	7.97	1911	6.53
	4/13/2006	NM	NM	NM	NM	NM
	10/12/2006	4.71	38.3	8.28	2276	7.12
	4/26/2007	3.98	8.90	7.90	2332	6.77
	10/17/2007	2.76	-11.1	7.38	2380	6.61
	4/24/2008	4.34	22.1	5.00	1,848	6.63
	10/17/2008	3.72	-37.9	9.81	2297	6.76
	4/30/2009	6.72	266.4	8.21	2413	6.64
	10/15/2009	2.04	35.5	7.31	2342	6.81
	4/14/2010	1.60	61.9	7.20	2510	6.63
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/18/2011	5.67	-9.1	7.22	2445	7.21
	10/11/2011	2.45	124.1	7.54	1514	6.89
	6/6/2012	2.96	20.4	7.61	2373	6.69
	10/2/2012	2.04	-8.7	8.79	2386	6.70
	9/18/2013	3.07	10.0	8.42	2337	6.77
8/13/2014	2.18	12.2	8.53	2404	6.71	
6/10/2015	3.55	20.8	7.52	2143	6.88	

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**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
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Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH
MW-44	11/8/2005	*	*	*	*	*
	4/11/2006	***	***	***	***	***
	10/9/2006	***	***	***	***	***
	4/26/2007	*	*	*	*	*
	10/15/2007	3.15	-107.5	7.58	815	7.26
	4/24/2008	NA	NA	NA	NA	NA
	10/17/2008	1.69	-101.2	7.30	830	7.06
	10/12/2009	*	*	*	*	*
	9/27/2010	*	*	*	*	*
	5/18/2011	4.21	0.7	6.94	795	6.80
	10/1/2012	*	*	*	*	*
	9/18/2013	3.45	-118.00	7.50	726	7.44
	8/12/2014	2.56	-94.2	8.02	777	7.27
	6/10/2015	2.71	-84.1	7.18	749	7.10
MW-45	11/8/2005	2.85	119.5	9.18	1218	6.84
	4/11/2006	4.27	-39.5	5.51	1569	7.18
	10/11/2006	2.44	-92.5	9.56	1446	8.08
	4/25/2007	5.54	-49.2	5.49	1380	7.4
	7/25/2007	1.64	-74.7	10.01	1425	6.63
	10/16/2007	2.51	-76.9	9.86	1420	7.17
	4/24/2008	3.07	-73.5	5.42	1780	7.09
	10/14/2008	1.49	-140.2	9.76	1425	7.28
	4/29/2009	2.73	-16.6	5.40	1340	7.44
	10/13/2009	1.74	-119.6	9.68	1344	7.48
	4/14/2010	1.73	15.3	4.48	1396	7.19
	9/29/2010	1.75	-110.4	10.11	1346	7.35
	5/17/2011	2.40	-67.2	4.52	1383	7.12
	10/11/2011	0.90	-113.9	9.43	872	7.48
	6/6/2012	3.01	-99.2	8.02	1271	6.86
	10/4/2012	0.64	-111.6	10.81	1631	6.68
	9/18/2013	1.75	-157.1	10.48	1213	7.44
8/15/2014	2.58	-91.5	9.56	1372	7.06	
6/10/2015	2.89	-130.1	6.83	1325	7.30	
MW-46	11/10/2005	3.99	125.6	6.97	907	6.52
	4/13/2006	NM	NM	NM	NM	NM
	10/12/2006	3.07	-68.7	6.64	1120	7.21
	4/26/2007	3.91	-127.7	6.89	1113	7.19
	10/13/2007	2.78	-111.3	6.82	1154	7.17
	4/23/2008	2.89	-107.1	6.56	1192	6.66
	10/17/2008	2.36	-99.1	6.39	1072	7.03
	4/30/2009	2.70	0.3	7.40	1132	7.11
	10/15/2009	2.25	-21.7	6.24	1105	7.16
	4/13/2010	1.12	-70.8	5.78	1137	6.82
	9/28/2010	NM*	NM*	NM*	NM*	NM*
	5/18/2011	2.03	-110.5	6.20	1358	7.10
	10/11/2011	2.17	-111.1	6.23	704	7.21
	6/5/2012	2.57	-126.4	8.58	1034	6.33
	10/2/2012	1.80	-88.7	6.35	1257	6.98
9/17/2013	2.23	-141.4	6.45	1154	7.33	
8/12/2014	2.38	-101.4	7.54	1182	7.26	
6/10/2015	2.56	-133.5	7.28	1032	7.21	
MW-47A	11/8/2005	*	*	*	*	*
	4/11/2006	***	***	***	***	***
	10/9/2006	***	***	***	***	***
	4/25/2007	NA	NA	NA	NA	NA
	10/15/2007	2.73	-86.70	8.56	2627	6.80
	4/24/2008	NA	NA	NA	NA	NA
	10/17/2008	*	*	*	*	*
	10/12/2009	*	*	*	*	*
	9/27/2010	*	*	*	*	*
	5/16/2011	***	***	***	***	***
	10/1/2012	*	*	*	*	*
	9/16/2013	***	***	***	***	***
	8/11/2014	***	***	***	***	***
6/8/2015	***	***	***	***	***	

**Table 3**  
**Summary of Field Parameters**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	DO (mg/L)	ORP (mV)	Temperature (°C)	EC (uS/cm)	pH	
SVE-1	11/10/2005	2.47	144.6	9.32	995	6.43	
	10/12/2006	NM	NM	NM	NM	NM	
	4/25/2007	NA	NA	NA	NA	NA	
	10/15/2007	0.73	-146.40	11.06	1100	7.01	
	4/24/2008	NA	NA	NA	NA	NA	
	10/16/2008	0.32	-135.4	10.24	1037	7.08	
	10/14/2009	0.34	-29.5	9.79	978	6.77	
	9/29/2010	14.6	-137.2	12.20	1013	7.44	
	5/19/2011	1.19	-98.7	4.32	922	6.72	
	10/2/2012	0.11	-142.7	14.12	991	6.61	
	9/16/2013	***	***	***	***	***	
	8/13/2014	1.89	-137.7	13.76	1003	6.89	
	6/11/2015	2.54	-128.7	7.94	829	6.84	
	SVE-2	11/8/2005	*	*	*	*	*
		10/9/2006	*	*	*	*	*
4/25/2007		NA	NA	NA	NA	NA	
10/16/2007		*	*	*	*	*	
10/15/2008		*	*	*	*	*	
10/12/2009		**	**	**	**	**	
9/27/2010		*	*	*	*	*	
5/16/2011		**	**	**	**	**	
10/1/2012		**	**	**	**	**	
9/16/2013		**	**	**	**	**	
8/13/2014		**	**	**	**	**	
6/8/2015	**	**	**	**	**		
Trench #3	4/14/2006	4.82	-87	9.59	1170	6.86	

**Notes:**

1. DO: Dissolved Oxygen
2. mg/L: Milligrams per liter
3. ORP: Oxidation Reduction Potential
4. mV: Millivolt
5. °C: Degrees Celsius
6. EC: Specific Conductance
7. uS/cm: microsiemens per centimeter
8. pH reported in standard pH units
9. NA: Not Applicable
10. \*: Phase-separated hydrocarbons (PSH) in well - No sample collected
11. \*\*: PSH with crude oil characteristics present- No sample collected
12. NM: Not Measured
13. NM\*: Not Measured due to equipment failure during sampling event
14. \*\*\*: PSH with condensate characteristics present- No sample collected
15. <sup>a</sup>: DO levels decreasing during sample collection

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-1	11/18/1995	22	10	0.6	--	--	3.5
	12/14/1995	17	5.8	0.5	--	--	2.6
	5/16/1996	7	0.65	0.46	--	--	2
	8/27/1996	--	--	--	--	--	--
	8/13/1996	2.2	0.48	0.49	--	--	1
	5/22/1997	2.18	0.248	0.127	--	--	0.451
	11/6/1997	1.22	0.08	0.062	--	--	0.136
	5/21/1998	<0.001	<0.001	0.013	--	--	0.02
	11/6/1998	2.2	0.007	0.044	--	--	0.106
	7/15/1999	0.41	0.0087	0.0089	--	--	0.0294
	11/17/1999	0.24	<0.001	0.013	--	--	0.047
	5/23/2000	0.14	0.002	0.001	--	--	0.001
	7/26/2000	0.024	0.003	0.012	--	--	0.051
	10/10/2000	1.4	0.004	0.027	--	--	0.138
	1/24/2001	0.7	0.004	0.031	--	--	0.11
	5/9/2001	0.098	0.004	0.003	--	--	0.013
	7/12/2001	<0.001	0.002	<0.001	<0.001	<0.001	<0.002
	11/5/2001	0.797	<0.004	0.021	--	--	0.083
	6/27/2002	0.0114	0.0004	0.0009	0.0024	0.0003	0.00027
	12/16/2002	<0.0005	<0.0001	<0.0001	--	--	<0.0001
	7/17/2003	0.055	0.003	0.006	0.019	0.001	0.02
	12/18/2003	0.001	0.002	0.002	0.006	0.002	0.008
	6/9/2004	0.0026	<0.001	0.000758	0.00125	0.00126	0.00251
	12/8/2004	0.000769	0.00122	0.00198	0.00627	0.002	0.00827
	6/21/2005	0.0052	<0.001	<0.001	0.00127	0.00107	0.00234
	11/9/2005	0.0071	<0.0010	0.012	--	--	0.041
	4/11/2006	0.0089	<0.0010	0.011	--	--	0.040
	10/10/2006	< 0.010	< 0.0050	0.009	--	--	< 0.045
	4/25/2007	0.011	< 0.0010	0.0098	--	--	0.035
	10/16/2007	0.0036	<0.0010	0.015	--	--	<0.1
	4/23/2008	<0.02	<0.005	0.016	--	--	0.057
	10/14/2008	0.014	< 0.0010	0.012	--	--	< 0.050
	4/29/2009	<0.010	<0.0010	0.0051	--	--	0.013
	10/15/2009	0.0027	<0.0010	0.0037	--	--	0.011
	4/14/2010	<0.020	<0.0050	0.013	--	--	0.036
	9/29/2010	0.0055	<0.0010	0.0056	--	--	0.016
	5/17/2011	<0.02	<0.0050	0.0060	--	--	0.016
	10/12/2011	0.0040	<0.0010	0.0036	--	--	0.011
	6/6/2012	<0.012	<0.0050	0.014	--	--	<0.048
	10/4/2012	<0.040	0.0065	0.018	--	--	0.059
	9/18/2013	0.0050	<0.0050	0.0088	--	--	0.027
	8/15/2014	<0.012	<0.0050	0.0062	--	--	<0.020
	6/10/2015	0.0013	<0.0010	0.0011	--	--	<0.0029

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-2	11/18/1995	15.0	12	0.5	--	--	3.1
	2/14/1995	3.5	1.4	0.09	--	--	0.53
	5/6/1996	4.2	1.1	0.088	--	--	0.27
	8/27/1996	--	--	--	--	--	--
	11/14/1996	1.7	0.87	0.3	--	--	1.3
	5/22/1997	1.93	0.913	0.301	--	--	1.43
	11/16/1997	7.09	0.108	0.142	--	--	0.424
	5/21/1998	7.0	0.12	0.13	--	--	0.622
	11/6/1998	3.1	0.016	0.016	--	--	0.018
	7/15/1999	3.8	0.014	0.068	--	--	0.234
	11/17/1999	4.4	0.022	0.11	--	--	0.304
	5/23/2000	3.3	0.027	0.17	--	--	0.716
	7/26/2000	4.3	0.023	0.13	--	--	0.33
	10/10/2000	0.0037	0.04	0.14	--	--	0.475
	1/24/2001	3.6	0.039	0.076	--	--	0.238
	5/9/2001	2.8	0.024	0.062	--	--	0.291
	7/13/2001	2.01	0.014	0.027	0.079	<0.010	0.079
	11/2/2001	1.38	0.104	0.0372	--	--	0.0844
	6/29/2002	6.89	0.066	0.04	0.072	<0.005	0.072
	12/16/2002	3.0797	<0.001	0.0068	--	--	0.0038
	7/17/2003	4.0	0.048	0.036	0.088	<0.01	0.088
	12/17/2003	2.46	0.031	0.028	0.052	<0.010	0.052
	6/11/2004	4.84	0.0717	0.0465	0.102	0.0129	0.1149
	12/6/2004	*	*	*	*	*	*
	6/21/2005	4.36	0.0146	0.0312	0.0481	0.0051	0.0532
	11/9/2005	1.500	<0.0050	0.033	--	--	0.065
	4/12/2006	5.000	<0.010	0.045	--	--	0.096
	10/10/2006	3.1	< 0.050	0.044	--	--	< 0.150
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/13/2007	1.4	< 0.0050	0.034	--	--	0.13
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	1.3	<0.0050	0.017	--	--	<0.015
	10/15/2009	0.77	<0.0050	0.0091	--	--	<0.015
	9/27/2010	*	*	*	*	*	*
	5/19/2011	0.092	<0.0050	<0.0050	--	--	<0.015
	10/1/2012	*	*	*	*	*	*
	9/19/2013	0.012	<0.057	0.0063	--	--	<0.015
	8/14/2014	0.016	<0.010	<0.010	--	--	0.010
	6/11/2015	<0.0062	<0.0050	0.0053	--	--	<0.0082

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**Summary of BTEX Plume Analytical Results in Groundwater**  
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**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-3	11/18/1995	0.11	<0.02	<0.02	--	--	0.11
	12/14/1995	0.11	<0.02	<0.02	--	--	0.13
	5/16/1996	0.92	0.089	0.120	--	--	0.24
	8/27/1996	--	--	--	--	--	--
	11/13/1996	0.58	0.092	0.05	--	--	0.4
	5/22/1997	0.481	0.083	0.149	--	--	0.64
	11/6/1997	0.721	<0.005	0.103	--	--	0.571
	5/21/1998	0.251	0.002	0.1	--	--	0.483
	11/6/1998	0.52	0.002	0.038	--	--	0.414
	7/15/1999	0.5	0.015	0.055	--	--	0.4952
	11/17/1999	0.28	0.044	0.11	--	--	1.07
	5/23/2000	0.43	<0.005	0.51	--	--	0.396
	7/26/2000	0.37	0.007	0.083	--	--	0.67
	10/10/2000	0.38	0.009	0.025	--	--	0.52
	1/24/2001	0.46	0.016	0.019	--	--	0.309
	5/9/2001	0.39	0.004	0.039	--	--	0.257
	7/13/2001	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	0.39	<0.0010	0.026	--	--	0.074
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*	*
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
5/16/2011	*	*	*	*	*	*	
10/1/2012	*	*	*	*	*	*	
9/16/2013	*	*	*	*	*	*	
8/11/2014	*	*	*	*	*	*	
6/8/2015	*	*	*	*	*	*	

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-4	11/18/1995	24	<0.2	<0.2	--	--	<0.2
	12/14/1995	24	0.5	<0.2	--	--	<0.2
	5/16/1996	1.96	1.2	0.26	--	--	0.71
	8/27/1996	--	--	--	--	--	--
	11/14/1996	2.1	1.6	0.7	--	--	1.6
	5/22/1997	11.9	2.38	0.327	--	--	1.85
	11/6/1997	41.8	1.07	0.572	--	--	2.05
	5/21/1998	37	1.1	0.35	--	--	1.2
	11/6/1998	30	0.44	0.39	--	--	1.56
	7/15/1999	25	0.58	0.75	--	--	4.5
	11/17/1999	46	0.025	0.73	--	--	4.48
	5/23/2000	35	0.22	0.84	--	--	6.27
	7/26/2000	30	0.005	.091	--	--	6.57
	10/10/2000	26	<0.2	0.63	--	--	4.79
	1/24/2001	9.6	<0.05	0.19	--	--	1.78
	5/9/2001	30	<0.1	0.6	--	--	2.72
	7/13/2001	17.5	<0.100	0.223	0.469	<0.100	0.469
	11/2/2001	14	0.025	0.24	--	--	0.34
	12/16/2001	1.8735	0.0013	0.0057	--	--	0.0306
	6/29/2002	8.48	<0.02	0.12	0.93	0.07	1
	7/17/2003	25	0.056	0.446	1.43	<0.05	1
	12/16/2003	*	*	*	*	*	*
	6/7/2004	*	*	*	*	*	*
	12/7/2004	9.95	0.0529	0.0622	0.206	0.0086	0.2146
	6/21/2005	17.30	0.0207	0.0932	0.195	0.0059	0.2009
	11/09/2005	6.70	<0.0050	0.0580	--	--	0.0970
	4/11/2006	6.800	<0.010	0.170	--	--	0.440
	10/10/2006	1.800	< 0.050	0.065	--	--	< 0.200
	4/25/2007	2.300	< 0.0050	0.120	--	--	0.280
	10/16/2007	1.4	0.0011	0.16	--	--	0.31
	4/23/2008	0.22	<0.005	0.071	--	--	0.18
	10/15/2008	0.50	<0.0050	0.21	--	--	0.38
	5/1/2009	0.920	0.0015	0.048	--	--	0.092
	10/14/2009	0.160	<0.0050	0.066	--	--	0.130
	4/13/2010	0.320	<0.050	0.110	--	--	0.270
	9/28/2010	0.080	<0.0050	0.060	--	--	0.130
	5/19/2011	0.43	<0.0050	0.026	--	--	0.017
	10/11/2011	0.057	<0.0050	0.031	--	--	<0.1
	6/5/2012	0.360	<0.0050	0.027	--	--	0.084
	10/3/2012	0.017	<0.0050	0.0096	--	--	<0.015
	9/19/2013	0.01	<0.038	0.012	--	--	<0.015
	8/13/2014	0.014	<0.010	<0.010	--	--	<0.010
	6/11/2015	0.150	<0.0050	0.0084	--	--	<0.0072

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-5	11/18/1995	--	--	--	--	--	--
	12/14/1995	--	--	--	--	--	--
	5/16/1996	--	--	--	--	--	--
	8/27/1996	0.009	<0.001	<0.001	--	--	<0.001
	11/13/1996	0.054	<0.01	<0.01	--	--	<0.01
	5/22/1997	<0.01	<0.01	<0.01	--	--	<0.01
	11/6/1997	<0.005	<0.005	<0.005	--	--	<0.005
	5/21/1998	<0.001	<0.001	<0.001	--	--	<0.001
	11/6/1998	<0.001	<0.001	<0.001	--	--	<0.001
	7/15/1999	0.13	<0.001	<0.001	--	--	0.0027
	11/17/1999	<0.001	<0.001	<0.001	--	--	<0.001
	5/23/2000	<0.001	<0.001	<0.001	--	--	<0.001
	7/26/2000	0.006	<0.001	<0.001	--	--	0.002
	10/10/2000	0.014	<0.001	<0.001	--	--	<0.003
	1/24/2001	0.004	<0.001	<0.001	--	--	<0.003
	5/9/2001	<0.001	<0.001	<0.001	--	--	<0.003
	7/12/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/5/2001	0.045	<0.002	0.002	--	--	0.008
	6/27/2002	<0.0002	<0.0002	<0.0002	0.0003	<0.0003	0.0003
	12/16/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	7/17/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/18/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/9/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/8/2004	0.567	0.0539	0.052	0.0752	0.00882	0.08402
	6/21/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/8/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/9/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/17/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/23/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/29/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/14/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/17/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/12/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	6/5/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/4/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	8/15/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010
	6/10/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-6	11/11/2001	0.0122	0.0719	0.0012	0.0055	0.0017	0.0072
	6/29/2002	0.0077	<0.0004	<0.0004	0.0006	<0.0004	0.0006
	12/17/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	7/17/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/17/2003	0.006	<0.001	<0.001	<0.001	<0.001	<0.002
	6/10/2004	0.000658	<0.001	<0.001	<0.001	<0.001	<0.002
	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/22/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/9/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/16/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
10/2/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/19/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/12/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/9/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
MW-7	11/9/2001	0.0028	0.0067	0.0030	<0.002	<0.0007	<0.0027
	6/29/2002	0.018	0.0006	<0.0002	0.0009	0.001	0.0019
	12/17/2002	0.0338	<0.001	<0.001	--	--	0.00218
	7/17/2003	0.003	0.008	<0.001	0.002	<0.001	0.002
	12/17/2003	0.022	0.005	0.004	0.005	0.003	0.008
	6/10/2004	0.00139	0.00469	0.000933	0.00207	0.00281	0.00488
	12/7/2004	0.001	0.00073	0.000778	0.00127	0.00157	0.00284
	6/22/2005	0.00597	0.00206	<0.001	0.00224	0.00263	0.00487
	11/9/2005	0.0051	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	0.0034	<0.0010	<0.0010	--	--	<0.0030
	10/12/2006	0.0041	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	0.0022	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	0.0026	<0.0010	<0.0010	--	--	<0.015
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	0.0022	<0.0010	<0.0010	--	--	0.0047
	5/16/2011	0.0015	<0.0010	<0.0010	--	--	<0.0030
10/2/2012	0.0020	0.0014	<0.0010	--	--	0.0080	
9/19/2013	0.0017	<0.0010	<0.0010	--	--	0.0052	
8/12/2014	<0.0020	<0.0010	<0.0010	--	--	0.0043	
6/9/2015	<0.0020	<0.0010	<0.0010	--	--	<0.0050	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-8	11/9/2001	0.032	0.00723	0.0046	0.0163	0.0018	0.0181
	6/28/2002	0.933	<0.0005	0.118	0.212	0.007	0.219
	12/17/2002	1.5318	<0.0001	0.1079	--	--	0.2201
	7/17/2003	0.777	0.013	0.068	0.127	<0.001	0.127
	12/17/2003	1.31	<0.005	0.11	0.219	<0.005	0.219
	6/10/2004	0.47	<0.001	0.0286	0.0482	0.000997	0.049197
	12/7/2004	0.369	0.000573	0.0159	0.0292	0.00108	0.03028
	6/22/2005	0.182	<0.001	0.0077	0.0182	<0.001	0.0182
	11/10/2005	0.29	<0.0010	0.021	--	--	0.027
	4/14/2006	0.250	<0.0010	0.039	--	--	0.050
	10/12/2006	0.130	< 0.001	0.0078	--	--	0.0061
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	0.065	< 0.0010	0.0028	--	--	0.017
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	0.120	< 0.001	0.0097	--	--	<0.030
	10/13/2009	0.0046	<0.0010	<0.0010	--	--	<0.0030
	9/29/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
5/18/2011	0.065	<0.0010	0.021	--	--	0.034	
10/2/2012	0.0028	<0.0010	<0.0010	--	--	<0.0030	
9/19/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/11/2014	--	--	Destroyed	--	--	--	
MW-9	10/11/2001	0.137	0.113	0.0114	0.0531	0.0132	0.0663
	6/29/2002	0.0029	<0.0004	<0.0004	0.002	<0.0004	0.002
	12/17/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	7/17/2003	0.001	<0.001	<0.001	0.002	<0.001	0.002
	12/17/2003	<0.001	<0.001	<0.001	0.001	<0.001	0.001
	6/10/2004	<0.001	<0.001	<0.001	0.00142	0.00132	0.00274
	12/7/2004	0.000373	<0.001	0.000942	0.00142	0.00157	0.00299
	6/22/2005	0.994	0.0137	<0.005	<0.005	<0.005	<0.01
	11/8/2005	0.024	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/12/2006	0.038	< 0.0010	< 0.0010	--	--	< 0.0030
	4/26/2007	<0.0010	< 0.0010	< 0.0010	--	--	< 0.0030
	10/15/2007	<0.0010	< 0.0010	< 0.0010	--	--	< 0.0030
	4/23/2008	<0.0010	< 0.0010	< 0.0010	--	--	< 0.0030
	10/16/2008	0.0013	< 0.0010	< 0.0010	--	--	< 0.0030
	4/29/2009	<0.0010	< 0.0010	< 0.0010	--	--	< 0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/13/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/16/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/10/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
6/5/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
10/3/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/19/2013	0.32	<0.0010	<0.0010	--	--	<0.0030	
8/12/2014	0.0077	<0.0010	<0.0010	--	--	<0.0010	
6/9/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-10	11/5/2001	43.5	10.7	2.9	--	--	17.3
	6/28/2002	42.7	6.99	1.1	5.47	1.39	6.86
	12/17/2002	6.506	1.3459	1.1155	--	--	4.7125
	7/17/2003	40.4	2.62	1.58	8.23	1.88	10.11
	12/16/2003	*	*	*	*	*	*
	6/22/2005	25.9	1.08	1.3	6.64	1.33	7.97
	11/10/2005	30.000	1.100	1.100	--	--	7.200
	4/13/2006	26.000	<0.100	1.200	--	--	7.400
	10/12/2006	24.0	1.1	1.2	--	--	7.1
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	20	0.57	1.3	--	--	8.4
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	1.9	0.27	0.079	--	--	0.490
	10/12/2009	*	*	*	*	*	*
	9/29/2010	12.0	0.46	1.2	--	--	6.0
	5/16/2011	15	1	1.4	--	--	7.1
	10/1/2012	*	*	*	*	*	*
	9/16/2013	*	*	*	*	*	*
8/13/2014	13	0.72	1.5	--	--	7.8	
6/12/2015	11	0.48	1.5	--	--	8	
MW-11	11/9/2001	0.046	0.0016	0.037	<0.002	<0.0007	<0.027
	6/28/2002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004
	12/16/2002	<0.00005	<0.001	<0.001	--	--	<0.001
	7/18/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/17/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/22/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/9/2005	0.019	<0.0010	<0.0010	--	--	<0.0030
	4/12/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/13/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/17/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/18/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/3/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030
8/14/2014	0.0011	<0.0010	<0.0010	--	--	<0.0010	
6/11/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-12	11/5/2001	9.96	0.06	<0.05	0.06	<0.05	0.06
	6/28/2002	16.3	<0.02	0.02	--	--	0.02
	12/16/2002	4.5503	0.001	0.0138	--	--	0.0532
	7/18/2003	20.5	0.074	0.042	0.541	<0.025	0.541
	12/16/2003	*	*	*	*	*	*
	6/22/2005	9.72	0.0415	0.0983	0.496	0.0454	0.5414
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	*	*	*	*	*	*
	10/16/2007	*	*	*	*	*	*
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	0.41	<0.0050	0.091	--	--	0.31
	10/14/2009	0.380	<0.0050	0.068	--	--	0.230
	9/27/2010	*	*	*	*	*	*
	5/19/2011	1.9	<0.0050	0.012	--	--	0.032
	10/1/2012	*	*	*	*	*	*
9/18/2013	0.49	<0.035	0.012	--	--	0.055	
8/11/2014	*	*	*	*	*	*	
6/12/2015	1.7	<0.0010	0.0017	--	--	0.0023	
MW-13	11/5/2001	20.4	<0.01	0.09	--	--	0.01
	6/28/2002	13.6	<0.02	0.02	0.02	<0.02	0.02
	12/16/2002	3.1396	<0.001	<0.001	--	--	<0.001
	7/18/2003	5.49	0.115	0.078	0.386	0.044	0.43
	12/16/2003	*	*	*	*	*	*
	6/10/2004	11	0.0277	0.0211	0.0514	0.0193	0.0707
	12/8/2004	12.9	0.0327	0.0346	0.0589	0.0294	0.0883
	6/22/2005	0.471	0.0406	0.0171	0.0364	0.0199	0.0563
	11/9/2005	5.900	<0.0050	<0.0050	--	--	<0.015
	4/13/2006	0.450	<0.0050	<0.0050	--	--	<0.015
	10/9/2006	NA	NA	NA	NA	NA	NA
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/18/2007	0.19	<0.0050	<0.0050	--	--	<0.02
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	1.6	<0.0050	0.0096	--	--	<0.015
	10/14/2009	7.0	<0.025	<0.025	--	--	<0.075
	9/29/2010	6.4	0.040	<0.020	--	--	<0.060
	5/19/2011	0.029	<0.0050	<0.0050	--	--	<0.015
	10/3/2012	6	0.0027	0.0019	--	--	<0.016
9/20/2013	0.57	0.0013	<0.0010	--	--	0.0084	
8/13/2014	1.3	<0.0050	<0.0050	--	--	<0.0050	
6/12/2015	0.0026	<0.0010	<0.0010	--	--	<0.063	

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-14	11/10/2001	4.62	1.43	0.13	0.603	0.150	0.753
	12/16/2003	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	30	1.6	1.7	--	--	8.2
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	25	1.9	1.5	--	--	6.6
	10/14/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
	5/16/2011	*	*	*	*	*	*
	10/1/2012	*	*	*	*	*	*
	9/16/2013	*	*	*	*	*	*
	8/11/2014	*	*	*	*	*	*
	6/8/2015	*	*	*	*	*	*
MW-15	11/12/2001	0.0031	<0.0006	0.044	<0.002	<0.0007	<0.0027
	6/29/2002	8.95	<0.010	0.25	0.18	<0.010	0.18
	12/17/2002	2.5599	<0.001	<0.001	0.0685	--	0.0685
	7/18/2003	5.70	0.192	0.114	0.078	<0.025	0.078
	12/18/2003	1.99	0.008	0.009	0.01	<0.005	0.01
	6/10/2004	3.06	<0.001	0.0215	0.0195	0.00131	0.02081
	12/7/2004	2.59	0.00203	0.012	0.00692	<0.001	0.00692
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/11/2006	0.390	< 0.010	0.023	--	--	< 0.030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	0.22	<0.0050	0.0052	--	--	< 0.015
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	0.11	<0.0020	0.0027	--	--	< 0.0030
	10/12/2009	*	*	*	*	*	*
	9/29/2010	0.39	<0.0010	0.026	--	--	0.012
	5/18/2011	0.18	<0.0010	0.0041	--	--	< 0.0030
	10/1/2012	*	*	*	*	*	*
	9/19/2013	0.0039	<0.0010	<0.0010	--	--	< 0.0030
8/12/2014	0.0013	<0.0010	0.0013	--	--	0.0056	
6/11/2015	0.0030	<0.0010	<0.0010	--	--	0.0020	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-16	11/10/2001	0.047	0.091	<0.0003	<0.002	<0.0007	<0.0027
	7/1/2002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
	12/16/2002	0.0452	<0.001	<0.001	--	--	<0.001
	7/18/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/17/2003	0.003	<0.001	<0.001	<0.001	<0.001	<0.002
	6/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/22/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/9/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/12/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/13/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/17/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/14/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/18/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
10/3/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/14/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/11/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
MW-17	11/5/2001	23.9	<0.01	0.35	--	--	0.95
	6/28/2002	2.5	<0.02	0.09	0.09	<0.02	0.09
	8/13/2002	4.65	<0.001	0.0599	--	--	0.0215
	12/16/2002	5.0335	<0.001	0.0417	--	--	0.002
	7/18/2003	17.2	0.063	0.074	0.109	<0.025	0.109
	12/17/2003	11.9	0.029	0.023	<0.020	<0.020	<0.040
	6/11/2004	11.6	0.0619	0.0304	0.0156	0.00734	0.02294
	12/7/2004	9.33	0.0948	0.0394	0.037	0.0232	0.0602
	6/21/2005	4.73	0.0191	0.0148	0.0101	0.0048	0.0149
	11/09/2005	5.500	<0.0050	0.013	--	--	<0.015
	4/13/2006	1.900	<0.0050	0.012	--	--	<0.015
	10/10/2006	0.860.	< 0.050	0.0097	--	--	< 0.015
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	0.22	< 0.050	0.0076	--	--	< 0.015
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	0.28	<0.0050	0.0094	--	--	<0.015
	10/16/2009	0.290	<0.0050	0.0063	--	--	<0.015
	9/30/2010	0.480	<0.050	0.0068	--	--	<0.015
5/19/2011	1.5	<0.0050	0.0076	--	--	<0.015	
10/3/2012	0.41	<0.068	0.012	--	--	<0.015	
9/20/2013	0.29	<0.055	0.0085	--	--	<0.015	
8/13/2014	0.33	<0.0050	0.012	--	--	<0.019	
6/12/2015	0.67	<0.0050	0.0062	--	--	<0.0085	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-18	11/5/2001	0.0436	0.003	0.0071	--	--	0.017
	6/28/2002	1.34	<0.02	0.007	0.01	<0.002	0.01
	12/16/2002	1.2497	<0.001	0.0018	--	--	0.0027
	7/18/2003	2.55	<0.01	0.012	0.022	<0.01	0.022
	12/17/2003	2.53	<0.010	<0.010	<0.010	<0.010	<0.020
	6/11/2004	1.28	0.00118	0.00173	0.00265	0.00136	0.00401
	12/7/2004	0.539	0.00442	0.00172	0.00344	0.00253	0.00597
	6/21/2005	0.0334	0.00139	<0.001	<0.001	0.00104	0.00104
	11/9/2005	0.092	<0.0010	<0.0010	--	--	<0.0030
	4/14/2006	0.070	<0.0010	<0.0010	--	--	<0.0030
	10/10/2006	2.2	0.0011	0.0015	--	--	< 0.015
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	NA	NA	NA	NA	NA	NA
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	1.4	<0.0010	0.0050	--	--	<0.030
	10/15/2009	0.480	<0.0010	<0.0010	--	--	<0.0030
	9/30/2010	0.100	<0.0010	<0.0010	--	--	<0.0030
	5/19/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/3/2012	0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/20/2013	0.071	<0.0010	<0.0010	--	--	<0.0030
8/13/2014	0.0035	<0.0010	<0.0010	--	--	<0.0010	
6/12/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0012	
MW-19	6/29/2002	13.7	<0.01	1	3.6	0.04	3.64
	6/28/2002	0.31	0.0475	0.0032	0.0008	0.002	0.0028
	12/16/2002	0.324	<0.001	0.0018	--	--	0.0036
	7/18/2003	0.242	0.019	0.005	0.017	0.006	0.023
	12/17/2003	0.274	0.029	0.006	0.008	0.005	0.012
	6/10/2004	7.85	0.0351	0.975	3	0.00933	3.00933
	12/8/2004	6.75	0.0284	0.614	1.69	0.0162	1.7062
	6/22/2005	4.45	0.00624	0.534	1.53	0.0205	1.5505
	11/10/2005	6.400	<0.0050	0.710	--	--	2.000
	4/13/2006	5.100	<0.020	0.780	--	--	2.200
	10/11/2006	5.0	< 0.0050	0.590	--	--	1.5
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	4.1	< 0.0050	0.50	--	--	1.1
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	3.0	<0.010	0.58	--	--	1.3
	10/13/2009	2.6	0.023	0.44	--	--	0.91
	9/29/2010	1.3	<0.0050	0.24	--	--	0.47
	5/19/2011	0.67	<0.0050	0.28	--	--	0.56
	10/2/2012	0.8	<0.0050	0.16	--	--	0.3
	9/17/2013	1	<0.010	0.18	--	--	0.33
8/13/2014	0.50	<0.0050	0.14	--	--	0.24	
6/11/2015	0.29	<0.010	0.13	--	--	0.23	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-20	6/11/2004	0.227	0.0276	0.0077	0.0107	0.00702	0.01772
	12/6/2004	0.255	0.0275	0.00549	0.00631	0.00456	0.01087
	6/21/2005	0.222	0.00697	0.0039	0.00567	0.00359	0.00926
	11/9/2005	0.310	<0.0050	<0.0050	--	--	<0.0050
	4/11/2006	0.310	<0.0010	0.0027	--	--	0.0030
	10/11/2006	0.320	<0.0050	<0.0050	--	--	<0.0150
	4/25/2007	0.180	<0.0010	0.0031	--	--	<0.0030
	7/25/2007	0.570	<0.0050	0.0076	--	--	<0.015
	10/17/2007	0.91	<0.0010	0.009	--	--	<0.015
	4/23/2008	0.47	<0.005	0.0065	--	--	<0.015
	10/15/2008	0.041	<0.0010	0.0038	--	--	<0.0030
	5/1/2009	0.030	<0.005	0.0077	--	--	<0.015
	10/14/2009	0.027	<0.0010	0.0038	--	--	0.0043
	4/13/2010	0.011	<0.040	0.0079	--	--	<0.015
	9/30/2010	0.0057	<0.040	0.0073	--	--	<0.015
	5/19/2011	<0.0050	<0.0050	0.0061	--	--	<0.015
	10/11/2011	0.0058	<0.0050	0.0068	--	--	<0.015
	6/6/2012	0.0051	<0.0050	0.0057	--	--	<0.015
	10/3/2012	<0.0070	<0.037	0.0073	--	--	<0.015
	9/19/2013	<0.0050	<0.0050	<0.0050	--	--	<0.015
8/14/2014	<0.010	<0.010	<0.010	--	--	0.010	
6/11/2015	<0.0050	<0.0050	<0.0050	--	--	<0.0090	
MW-21	11/2/2001	0.161	0.0023	0.0153	--	--	0.0432
	6/28/2002	0.0523	0.0415	0.0275	0.0107	0.0026	10.033
	12/16/2002	0.022	<0.001	0.0145	--	--	0.0082
	7/18/2003	0.089	0.024	0.036	0.058	0.003	0.061
	12/17/2003	0.094	0.037	0.025	0.04	0.003	0.043
	6/11/2004	0.0878	0.0389	0.0275	0.048	0.00497	0.05297
	12/6/2004	0.0712	0.0469	0.0165	0.0292	0.00532	0.03452
	6/21/2005	0.0842	0.0137	0.0222	0.046	0.00503	0.05103
	11/9/2005	0.028	<0.0050	0.0094	--	--	0.028
	4/12/2006	0.034	<0.0050	0.011	--	--	0.035
	10/10/2006	0.026	<0.050	0.009	--	--	<0.045
	4/25/2007	0.038	<0.0050	0.014	--	--	0.036
	10/13/2007	0.017	<0.0050	<0.0050	--	--	0.019
	4/23/2008	0.021	<0.0050	0.011	--	--	<0.050
	10/16/2008	0.028	<0.0050	0.0076	--	--	0.030
	5/1/2009	0.034	<0.0050	0.016	--	--	0.050
	10/15/2009	0.013	<0.0050	0.0072	--	--	0.025
	9/28/2010	0.023	<0.0050	0.0051	--	--	<0.020
	5/19/2011	0.024	<0.0050	0.0097	--	--	0.029
	10/11/2011	0.0087	<0.0050	<0.0050	--	--	<0.015
6/6/2012	0.014	<0.052	0.0063	--	--	<0.015	
10/3/2012	0.011	<0.0050	<0.0050	--	--	<0.015	
9/19/2013	0.0090	<0.0050	<0.0050	--	--	<0.015	
8/14/2014	0.0075	<0.0050	<0.0050	--	--	0.0075	
6/11/2015	0.016	<0.0050	0.0061	--	--	<0.0090	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-22	11/11/2001	3.76	0.057	<0.015	<0.1	<0.035	<0.135
	6/27/2002	1.25	<0.002	<0.002	0.003	<0.002	0.003
	12/16/2002	0.9112	<0.001	<0.001	--	--	<0.001
	7/18/2003	2.14	0.019	<0.010	0.038	<0.010	0.038
	12/17/2003	0.256	<0.001	<0.001	<0.001	<0.001	<0.002
	6/11/2004	0.365	0.00348	0.00103	0.00551	0.00155	0.00706
	12/6/2004	0.054	0.000846	0.000505	0.00148	0.000893	0.002373
	6/21/2005	--	--	Destroyed	--	--	--
**MW-22R	8/1/2005	4.90	0.0209	<0.05	0.307	<0.05	0.307
	11/9/2005	4.600	<0.005	0.024	--	--	0.160
	4/12/2006	6.000	<0.020	0.023	--	--	0.430
	10/10/2006	5.200	<0.010.	0.040.	--	--	0.340
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/18/2007	7.2	0.0068	0.017	--	--	<0.5
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	7.0	<0.020	<0.020	--	--	0.49
	10/15/2009	4.2	<0.020	<0.020	--	--	0.38
	9/28/2010	1.9	<0.0010	0.0084	--	--	0.35
	5/17/2011	0.61	<0.0010	0.0042	--	--	0.087
	10/3/2012	1.5	0.0011	0.0072	--	--	0.24
	9/19/2013	0.37	<0.0010	0.0048	--	--	0.11
	8/14/2014	0.044	<0.0010	0.0048	--	--	0.0034
	6/11/2015	<0.0010	<0.0010	0.0036	--	--	<0.0066
MW-23	11/2/2001	0.63	0.0015	0.0192	--	--	0.162
	7/1/2002	0.439	<0.0005	0.162	0.219	<0.0005	0.219
	12/16/2002	0.1244	<0.001	0.0019	--	--	0.1124
	7/18/2003	0.242	0.025	0.131	0.342	0.002	0.344
	12/17/2003	0.053	0.004	0.003	0.112	0.003	0.115
	6/10/2004	0.034	0.0018	0.00565	0.115	0.00293	0.11793
	12/7/2004	0.0172	0.00296	0.00296	0.051	0.0039	0.0549
	6/21/2005	0.0778	0.00232	0.0211	0.106	0.00253	0.10853
	11/9/2005	0.014	0.0012	0.0011	--	--	0.035
	4/11/2006	0.012	<0.0010	0.026	--	--	0.140
	10/10/2006	0.0033	< 0.005	0.0017	--	--	< 0.050.
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	0.0081	< 0.0020	0.0057	--	--	0.068
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	0.0046	<0.0010	0.0049	--	--	0.030
	10/15/2009	<0.0010	<0.0010	<0.0010	--	--	0.0061
	9/30/2010	0.0074	<0.020	0.0014	--	--	0.0082
	5/17/2011	0.0033	<0.0010	<0.0010	--	--	<0.0030
	10/4/2012	0.0056	<0.0010	<0.0010	--	--	0.0059
	9/19/2013	0.0051	0.0014	<0.0010	--	--	0.0076
8/14/2014	<0.0050	<0.0020	<0.0010	--	--	0.0069	
6/11/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0022	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-24	11/2/2001	3.29	<0.05	<0.05	0.06	<0.05	0.06
	6/27/2002	1.94	<0.02	0.4	3.58	0.72	4.3
	12/16/2002	3618.2	2.1	93.2	--	--	114.6
	7/18/2003	*	*	*	*	*	*
	6/21/2005	8.32	0.0211	0.17	0.85	0.0684	0.9184
	11/9/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	--	--	--	--	--	--
	10/16/2007	11	< 0.050	0.12	--	--	0.50
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	10	0.12	0.16	--	--	0.54
	10/16/2009	9.6	<0.050	0.079	--	--	0.28
	9/27/2010	*	*	*	*	*	*
5/16/2011	--	--	--	--	--	--	
MW-25	11/5/2001	0.214	0.009	0.017	--	--	0.1
	6/27/2002	0.647	<0.002	0.014	0.067	<0.002	0.067
	12/16/2002	0.1911	<0.001	<0.001	--	--	0.0841
	7/18/2003	1.06	0.005	0.013	0.08	<0.005	0.08
	12/17/2003	0.607	0.004	0.005	0.071	0.001	0.072
	6/11/2004	0.586	0.00537	0.0077	0.761	0.00189	0.76289
	12/6/2004	0.399	0.00616	0.00269	0.0708	0.00225	0.0731
	6/21/2005	0.416	0.00102	0.00125	0.0139	<0.001	0.0139
	11/9/2005	1.000	<0.0010	0.0060	--	--	0.100
	4/11/2006	0.350	<0.0010	0.0022	--	--	0.035
	10/9/2006	NA	NA	NA	NA	NA	NA
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	0.84	0.0012	0.0021	--	--	0.050
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	0.40	<0.0010	0.0013	--	--	0.038
	10/15/2009	0.17	0.12	0.0019	--	--	0.047
	9/28/2010	0.28	0.0043	0.0011	--	--	0.030
	5/17/2011	0.046	<0.0010	<0.0010	--	--	0.0055
	10/4/2012	0.023	<0.0010	<0.0010	--	--	0.019
	9/19/2013	0.018	<0.0010	<0.0010	--	--	0.0095
8/14/2014	0.050	<0.0010	<0.0010	--	--	0.0049	
6/11/2015	0.017	<0.0010	<0.0010	--	--	<0.0038	

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-26	11/2/2001	0.239	0.0009	0.0009	--	--	0.0056
	7/1/2002	0.477	<0.0005	<0.0005	0.028	<0.0005	0.028
	12/16/2002	0.2175	<0.001	<0.001	--	--	<0.001
	7/18/2003	0.46	0.009	0.005	0.046	0.015	0.061
	12/17/2003	0.245	0.002	0.002	0.019	0.002	0.021
	6/11/2004	0.433	0.00262	0.00275	0.0286	0.00224	0.03084
	12/6/2004	0.243	0.00242	0.00219	0.0255	0.00267	0.02817
	6/21/2005	0.161	0.00396	0.00205	0.0297	0.0032	0.0329
	11/09/05	0.140	<0.0010	0.0013	--	--	0.016
	4/11/2006	0.011	<0.0010	<0.0010	--	--	<0.0030
	10/9/2006	0.0057	<0.0010	<0.0010	--	--	<0.020.
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	0.073	<0.0010	0.0010	--	--	0.022
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	0.018	<0.0010	0.0013	--	--	<0.050
	10/16/2009	0.019	<0.0010	<0.0010	--	--	0.040
	9/30/2010	0.0024	<0.0050	0.0015	--	--	0.027
	5/17/2011	0.0052	<0.0010	<0.0010	--	--	0.0051
10/3/2012	0.0033	<0.0010	0.0014	--	--	0.0046	
9/19/2013	0.0033	<0.0070	0.0014	--	--	0.0044	
8/14/2014	0.059	<0.0010	0.0012	--	--	<0.0050	
6/9/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
MW-27	6/29/2002	13.8	<0.01	0.79	3.08	0.19	3.27
	12/17/2002	1.8588	<0.001	0.0753	--	--	0.2025
	7/16/2003	12.6	0.033	1.14	3.69	<0.02	3.69
	12/17/2003	12.3	0.023	0.691	1.72	<0.020	1.72
	6/10/2004	9.94	0.0385	1.34	2.51	0.00732	2.52
	12/8/2004	6.61	0.0345	0.32	0.398	0.0174	0.42
	6/22/2005	6.82	0.00826	0.593	0.533	0.00912	0.54
	11/10/2005	5.500	<0.0050	0.490	--	--	0.083
	4/13/2006	6.200	<0.020	0.900	--	--	0.810
	10/12/2006	5.7	0.0055	0.820	--	--	0.280
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/5/2007	3.7	<0.0050	0.52	--	--	0.21
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	3.2	<0.010	0.43	--	--	0.17
	10/13/2009	2.2	<0.010	0.11	--	--	0.030
	9/29/2010	1.3	<0.0050	0.052	--	--	0.020
	5/19/2011	1.7	<0.0050	0.2	--	--	0.18
	10/2/2012	0.16	<0.0050	<0.0050	--	--	<0.015
9/17/2013	0.27	<0.0010	0.026	--	--	0.037	
8/13/2014	0.73	0.0012	0.049	--	--	<0.089	
6/11/2015	0.35	<0.0050	0.087	--	--	<0.210	

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
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**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-28	11/5/2001	0.004	<0.002	<0.002	<0.002	<0.002	<0.004
	6/27/2002	<0.0002	<0.0002	0.0002	0.0018	0.0005	0.0023
	6/27/2002	1.73	<0.004	0.007	0.06	<0.004	0.06
	12/16/2002	0.6236	<0.001	0.0029	--	--	0.0233
	7/18/2003	1.11	0.133	<0.025	0.092	<0.025	0.092
	12/18/2003	0.304	0.081	0.014	0.037	0.021	0.058
	6/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/6/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/21/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/9/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/9/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/16/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/29/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/13/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/27/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
5/17/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
10/11/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
6/6/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
10/4/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/19/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/14/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/9/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
MW-29	6/9/2004	6.24	0.0147	0.0198	0.0514	0.00484	0.05624
	12/8/2004	3.37	0.0173	0.0083	0.0131	0.00674	0.01984
	6/21/2005	2.03	0.00863	0.00722	<0.02	0.00463	0.00463
	11/9/2005	3.600	<0.0050	<0.0050	--	--	<0.015
	4/11/2006	1.300	<0.0050	<0.0050	--	--	<0.015
	10/10/2006	1.5	<0.020	0.0031	--	--	<0.015
	4/25/2007	0.630	<0.020	0.0028	--	--	<0.010
	10/16/2007	0.89	<0.0010	0.0023	--	--	<0.0030
	4/23/2008	0.24	<0.0010	0.0024	--	--	<0.0030
	10/14/2008	0.18	<0.0020	0.0024	--	--	<0.015
	4/29/2009	0.050	<0.0020	0.0034	--	--	0.0079
	10/13/2009	<0.0020	<0.0010	0.0019	--	--	0.0047
	4/13/2010	0.0032	<0.020	0.0030	--	--	0.0053
	9/27/2010	0.0031	<0.020	0.0029	--	--	0.0057
	5/17/2011	0.0013	<0.0010	<0.0010	--	--	<0.0030
	10/11/2011	<0.0050	<0.0010	0.0020	--	--	<0.01
	6/6/2012	0.0031	<0.0010	0.0024	--	--	<0.0090
	10/4/2012	0.0049	<0.0020	0.0036	--	--	0.0068
	9/19/2013	0.0030	<0.0010	0.0025	--	--	<0.0090
	8/14/2014	<0.0030	<0.0010	0.0018	--	--	0.0075
6/9/2015	<0.0020	<0.0010	0.0017	--	--	<0.0060	

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**Summary of BTEX Plume Analytical Results in Groundwater**  
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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-30	6/9/2004	0.299	0.00374	0.0021	0.0114	0.001	0.0124
	12/8/2004	0.116	0.00329	0.00271	0.0105	0.00158	0.01208
	6/21/2005	0.484	0.00332	0.00376	0.0121	0.00232	0.01442
	11/9/2005	0.081	<0.001	0.0020	--	--	0.012
	4/11/2006	0.170	<0.0010	0.0018	--	--	0.0088
	10/10/2006	0.032	< 0.0050	0.0014	--	--	< 0.015
	4/25/2007	0.071	< 0.0010	0.0014	--	--	< 0.010
	10/16/2007	0.014	< 0.0010	< 0.0010	--	--	0.0041
	4/24/2008	0.060	< 0.0010	0.002	--	--	0.0075
	10/14/2008	0.028	< 0.0010	< 0.0010	--	--	< 0.015
	4/29/2009	0.043	< 0.0010	< 0.0010	--	--	0.0045
	10/13/2009	0.0044	<0.0010	<0.0010	--	--	0.0030
	4/13/2010	0.0032	<0.0020	<0.0010	--	--	<0.0030
	9/30/2010	0.0048	<0.0010	<0.0010	--	--	<0.0030
	5/17/2011	0.039	<0.0010	<0.0010	--	--	<0.0030
	10/11/2011	0.0030	<0.0010	<0.0010	--	--	<0.0030
	6/6/2012	0.0016	<0.0010	<0.0010	--	--	<0.0030
10/4/2012	0.0025	<0.0010	<0.0010	--	--	<0.0030	
9/18/2013	0.0020	<0.0010	<0.0010	--	--	<0.0030	
8/14/2014	<0.0020	<0.0010	<0.0010	--	--	0.0021	
6/10/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0019	
MW-31	11/2/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004
	6/27/2002	0.002	<0.0002	0.0055	0.0003	0.00015	0.0018
	12/16/2002	<0.0005	<0.001	0.0029	--	--	0.0233
	7/18/2003	0.003	0.001	0.003	0.005	0.002	0.007
	12/18/2003	0.001	0.001	0.005	0.008	0.003	0.011
	6/9/2004	0.000352	<0.001	0.000599	0.00102	0.000936	0.001956
	12/8/2004	0.116	0.00329	0.00271	0.0105	0.00158	0.01208
	6/21/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/8/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/9/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/16/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/24/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/29/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/29/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/17/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/11/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
6/6/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
10/4/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/15/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/10/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	

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**Summary of BTEX Plume Analytical Results in Groundwater**  
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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-32	11/2/2001	<0.0002	<0.0002	<0.0002	--	--	0.0004
	6/27/2002	<0.0002	<0.0002	<0.0002	0.0004	0.0002	0.0006
	12/16/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	7/17/2003	0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/18/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/9/2004	0.00383	<0.005	<0.005	0.00422	<0.005	0.00422
	12/8/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/21/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/8/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/9/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/17/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/23/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/29/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/14/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/17/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
10/12/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
6/5/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
10/4/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030	
8/15/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/10/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
MW-33	6/30/2002	26.4	<0.02	0.51	2.18	0.22	2.4
	12/16/2002	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/13/2006 <sup>8</sup>	5.700	<0.0050	0.480	--	--	1.000
	10/12/2006	17.0	< 0.010	0.370	--	--	1.0
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	12	<0.001	0.18	***	***	0.74
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	4.7	<0.020	0.31	--	--	0.70
	10/13/2009	5.4	<0.020	0.071	--	--	0.24
	9/27/2010	*	*	*	*	*	*
	5/16/2011	0.041	<0.0010	<0.0010	--	--	<0.0030
	10/1/2012	*	*	*	*	*	*
	9/17/2013	1.8	0.0016	0.076	--	--	<0.36
	8/12/2014	2.9	<0.010	0.16	--	--	0.6
6/10/2015	0.0036	<0.0010	<0.0010	--	--	<0.0018	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-34	6/30/2002	0.0295	<0.0005	<0.0005	0.004	<0.0005	0.004
	12/17/2002	<0.001	<0.001	<0.001	--	--	<0.001
	7/18/2003	0.008	<0.001	<0.001	<0.001	<0.001	<0.002
	12/17/2003	0.005	<0.001	<0.001	<0.001	<0.001	<0.002
	6/10/2004	0.00824	<0.001	<0.001	0.000644	<0.001	0.000644
	12/8/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/22/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/10/2005	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/13/2006	0.0016	<0.0010	<0.0010	--	--	<0.0030
	10/12/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	18	15	0.67	--	--	4.6
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	12	13	0.68	--	--	5.1
	10/13/2009	5.5	0.15	0.13	--	--	1.0
	9/29/2010	4.3	0.06	0.12	--	--	0.91
	5/17/2011	4.2	1.8	0.65	--	--	5.2
	10/2/2012	2.6	<0.0050	0.14	--	--	1.0
	9/17/2013	1.5	<0.0050	0.19	--	--	1.4
	8/12/2014	1.4	0.0054	0.25	--	--	1.8
6/10/2015	1.1	<0.100	0.3	--	--	2.9	
MW-35	6/29/2002	27	0.32	0.58	1.72	0.23	1.95
	12/17/2002	5.0422	<0.001	0.8349	--	--	2.4462
	7/17/2003	19.7	0.165	0.731	2.09	0.242	2.332
	12/17/2003	21.4	0.024	0.556	1.74	0.162	1.902
	6/10/2004	20.1	0.0147	0.804	2.7	0.282	2.982
	12/8/2004	16.7	0.0312	0.484	1.5	0.116	1.616
	6/22/2005	11.8	<0.10	0.634	2.03	0.141	2.171
	11/10/2005	17	<0.200	1.1	--	--	3.4
	4/13/2006	17	<0.050	1.1	--	--	3.6
	10/12/2006	18	< 0.020	1.0	--	--	2.9
	4/26/2007	13	< 0.020	1.1	--	--	3.2
	10/15/2007	15	< 0.1	1.2	--	--	3.4
	4/24/2008	11.0	<0.01	0.96	--	--	2.5
	10/16/2008	10	<0.050	1.0	--	--	2.5
	4/30/2009	7.6	<0.020	1.0	--	--	2.3
	10/14/2009	9.0	<0.050	0.97	--	--	2.2
	4/13/2010	12.0	<0.020	1.0	--	--	2.3
	9/29/2010	6.8	<0.020	0.87	--	--	1.9
	5/19/2011	4.8	<0.01	0.88	--	--	1.7
	10/10/2011	5.1	<0.0050	0.68	--	--	1.3
6/5/2012	7.2	<0.050	0.95	--	--	1.9	
10/2/2012	6.7	<0.020	0.74	--	--	1.4	
9/17/2013	5.2	<0.010	0.78	--	--	1.5	
8/13/2014	5	<0.020	0.82	--	--	1.5	
6/12/2015	3.7	<0.0050	0.73	--	--	1.3	

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-36	6/30/2002	153	<0.3	<0.3	--	--	<0.3
	8/13/2002	3.905	<0.001	0.0112	--	--	<0.001
	12/16/2002	3.0973	<0.001	<0.001	--	--	0.0039
	7/17/2003	12.9	0.126	<0.025	0.044	<0.025	0.044
	12/17/2003	5.96	0.04	0.015	0.011	<0.010	0.011
	6/11/2004	1.38	0.036	0.0133	0.0146	0.00768	0.02228
	12/7/2004	0.0441	0.0648	0.00971	0.0157	0.0105	0.0262
	6/21/2005	6.63	0.0115	0.013	0.00595	0.00378	0.00973
	11/9/2005	7.6	<0.005	0.012	--	--	<0.015
	4/13/2006	1.000	<0.0050	0.014	--	--	<0.015
	10/9/2006	NA	NA	NA	NA	NA	NA
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/18/2007	0.0063	<0.0050	0.0085	--	--	<0.015
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	0.084	<0.0050	0.0079	--	--	<0.015
	10/16/2009	0.091	<0.0050	0.0066	--	--	<0.015
	9/30/2010	0.095	<0.040	0.0078	--	--	<0.015
	5/19/2011	0.91	<0.0050	0.0092	--	--	<0.015
	10/3/2012	1.2	<0.0050	0.014	--	--	0.019
9/20/2013	1	<0.043	0.0087	--	--	<0.015	
8/13/2014	0.033	<0.010	<0.010	--	--	<0.010	
6/12/2015	0.063	<0.0050	0.0072	--	--	<0.0070	
MW-37	6/30/2002	1.16	0.0584	0.0495	0.123	0.0138	0.1368
	8/13/2002	2.246	0.0267	0.0538	--	--	0.147
	12/16/2002	0.0718	<0.001	0.0175	--	--	0.0097
	7/17/2003	2.35	0.047	0.021	0.078	0.012	0.09
	12/17/2003	0.949	0.049	0.012	0.02	<0.010	0.02
	6/11/2004	0.591	0.124	0.0259	0.0614	0.0294	0.0908
	12/7/2004	0.0441	0.0648	0.00971	0.0157	0.0105	0.0262
	6/21/2005	1.15	0.0283	0.0157	0.0237	0.0161	0.0398
	11/9/2005	0.014	<0.0050	<0.0050	--	--	<0.0150
	4/14/2006	0.0059	<0.0050	<0.0050	--	--	<0.015
	10/10/2006	0.011	<0.010	<0.010	--	--	<0.045
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	<0.0050	<0.0050	0.051	--	--	<0.015
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	3.2	<0.010	0.011	--	--	<0.030
	10/16/2009	1.2	<0.010	<0.010	--	--	<0.030
	9/29/2010	1.3	<0.050	0.0053	--	--	<0.015
	5/19/2011	0.037	<0.0050	<0.0050	--	--	<0.015
	10/3/2012	0.0085	<0.0050	0.0056	--	--	<0.018
9/20/2013	0.0098	<0.037	<0.0050	--	--	<0.015	
8/13/2014	2.6	<0.0050	<0.0050	--	--	<0.0080	
6/12/2015	<0.0060	<0.0050	<0.0050	--	--	<0.0070	

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**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-38	6/10/2004	3.2	0.0359	0.00974	0.0234	0.0119	0.0353
	12/8/2004	1.95	0.0115	0.00348	0.0101	0.00663	0.01673
	6/22/2005	5.43	0.00254	0.00574	0.0155	0.00287	0.01837
	11/9/2005	0.640	<0.0010	0.0047	--	--	<0.0030
	4/13/2006	0.260	<0.0010	0.0091	--	--	0.0086
	10/12/2006	0.025	< 0.010	0.0015	--	--	< 0.0030
	4/25/2007	0.078	< 0.020	0.0083	--	--	0.0076
	7/25/2007	0.270	<0.005	0.0079	--	--	<0.015
	10/16/2007	0.011	<0.0010	0.0073	--	--	0.0071
	4/24/2008	0.880	<0.005	0.0039	--	--	< 0.0030
	10/16/2008	0.88	<0.0050	0.019	--	--	0.020
	5/1/2009	2.5	<0.010	<0.010	--	--	<0.030
	10/14/2009	0.34	<0.0010	0.0065	--	--	0.0073
	4/13/2010	0.220	<0.020	0.0033	--	--	<0.0030
	9/29/2010	0.130	<0.020	0.0063	--	--	0.0046
	5/19/2011	4.7	<0.0050	0.0059	--	--	<0.015
	10/11/2011	0.11	<0.0050	0.0066	--	--	<0.015
6/5/2012	0.18	<0.0050	0.0058	--	--	<0.015	
10/3/2012	<0.0050	<0.025	<0.0050	--	--	<0.015	
9/20/2013	0.53	<0.13	<0.01	--	--	0.043	
8/13/2014	2.4	<0.0050	0.0061	--	--	<0.017	
6/12/2015	1.8	<0.0020	0.0027	--	--	0.0077	
MW-39	6/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/21/2005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/9/2005	0.016	<0.0010	<0.0010	<0.0010	--	<0.0030
	4/14/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/10/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/14/2008	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/14/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/29/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/19/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/3/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/19/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030
8/13/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/11/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-40	7/18/2003	41.4	28.4	1.23	5.64	1.37	7.01
	12/17/2003	21.0	19.8	1.16	5.54	1.42	6.96
	6/10/2004	31.9	27	1.29	6.86	1.59	8.45
	12/6/2004	*	*	*	*	*	*
	6/22/2005	14.9	11.7	0.677	3.36	0.678	4.038
	11/10/2005	24.000	16.000	1.200	--	--	7.500
	4/13/2006	24.000	16.000	1.400	--	--	8.200
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/17/2007	15	9.1	1.4	--	--	7.6
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*	*
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
	5/18/2011	4.9	1.8	0.98	--	--	4.6
	10/1/2012	*	*	*	*	*	*
	9/18/2013	*	*	*	*	*	*
8/13/2014	2.9	0.11	1.3	*	*	6.7	
6/10/2015	2.3	0.21	1.2	--	--	5.7	
MW-41	7/17/2003	0.244	0.009	0.027	0.067	0.01	0.077
	12/17/2003	0.026	0.015	<0.010	<0.010	<0.010	<0.020
	6/10/2004	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	*	*	*	*	*	*
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2000	*	*	*	*	*	*
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
5/16/2011	*	*	*	*	*	*	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-42	7/17/2003	4.93	<0.02	<0.02	0.028	<0.02	0.028
	12/17/2003	1.08	0.031	0.107	0.397	0.055	0.452
	6/11/2004	0.287	0.0372	0.0454	0.0141	0.0218	0.0359
	12/6/2004	1.2	0.00843	0.0595	0.25	0.0181	0.2681
	6/21/2005	0.135	0.00746	0.0135	0.0196	0.00499	0.02459
	11/9/2005	0.520	<0.010	0.071	--	--	0.280
	4/12/2006	0.100	<0.0050	0.027	--	--	0.092
	10/11/2006	0.460	< 0.025	0.018	--	--	0.065
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/18/2007	0.19	<0.0010	0.036	--	--	0.098
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/17/2008	0.15	<0.0050	0.0089	--	--	<0.015
	10/14/2009	0.15	<0.0010	0.0098	--	--	0.022
	9/30/2010	0.059	<0.020	0.0061	--	--	0.0085
	5/17/2011	0.19	<0.0010	0.014	--	--	0.045
	10/4/2012	0.29	<0.0020	0.0067	--	--	0.021
	9/19/2013	0.25	0.0021	0.0052	--	--	0.028
8/11/2014	*	*	*	*	*	*	
6/8/2015	*	*	*	*	*	*	
MW-43	6/22/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	6/22/2005	0.00909	0.00115	<0.001	<0.001	<0.001	<0.002
	11/10/2005	0.033	<0.0010	<0.0010	--	--	<0.0030
	4/13/2006	0.040	<0.0010	<0.0010	--	--	<0.0030
	10/12/2006	0.039	<0.0010	<0.0010	--	--	<0.0030
	4/26/2007	0.0064	<0.0010	<0.0010	--	--	<0.0030
	10/17/2007	0.013	<0.0010	<0.0010	--	--	<0.0030
	4/24/2008	0.022	<0.0010	<0.0010	--	--	<0.0030
	10/17/2008	0.018	<0.0010	<0.0010	--	--	<0.0030
	4/30/2009	0.0026	<0.0010	<0.0010	--	--	<0.0030
	10/15/2009	0.0057	<0.0010	<0.0010	--	--	<0.0030
	4/14/2010	0.0019	<0.0010	<0.0010	--	--	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	5/18/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/11/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	6/6/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/2/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	9/18/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030
8/13/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010	
6/10/2015	<0.0010	<0.0010	<0.0010	--	--	<0.0010	

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Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-44	6/22/2004	1.1	0.039	0.0195	0.0592	0.00752	0.06672
	12/7/2004	0.182	0.00214	0.00192	0.013	0.000859	0.013859
	6/21/2005	*	*	*	*	*	*
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	*	*	*	*	*	*
	10/15/2007	2.1	<0.025	0.18	--	--	0.51
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/17/2008	0.97	0.12	0.21	--	--	0.70
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
	5/18/2011	0.0072	<0.0010	0.0021	--	--	0.0057
	10/1/2012	*	*	*	*	*	*
	9/18/2013	0.24	0.0063	0.024	--	--	0.031
	8/12/2014	0.26	<0.020	0.031	--	--	0.032
6/10/2015	0.025	0.0021	0.0048	--	--	0.0081	
MW-45	6/22/2004	0.603	0.0372	0.0451	0.0828	0.00742	0.09022
	12/6/2004	--	--	--	--	--	--
	6/21/2005	0.3470	0.0256	0.0335	0.0346	0.0046	0.0392
	11/8/2005	0.230	0.014	0.050	--	--	0.033
	4/11/2006	0.120	<0.0050	0.038	--	--	0.019
	10/11/2006	0.080	<0.0050	0.044	--	--	<0.020
	4/25/2007	0.034	0.002	0.016	--	--	<0.010
	7/25/2007	0.058	<0.005	0.032	--	--	<0.015
	10/16/2007	0.041	0.0028	0.029	--	--	0.0087
	4/24/2008	0.016	0.0012	0.0099	--	--	0.0034
	10/14/2008	0.024	0.0028	0.014	--	--	0.010
	4/29/2009	0.0015	<0.0010	<0.0010	--	--	<0.0030
	10/13/2009	0.0068	0.0016	0.0044	--	--	0.0051
	4/14/2010	0.0014	<0.0010	<0.0010	--	--	<0.0030
	9/29/2010	0.0078	0.016	<0.0050	--	--	<0.015
	5/17/2011	0.0014	<0.0010	<0.0010	--	--	<0.0030
	10/11/2011	0.012	<0.0050	<0.0050	--	--	<0.015
	6/6/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
	10/4/2012	0.0069	<0.0050	<0.0050	--	--	<0.015
9/18/2013	0.0048	<0.015	0.0024	--	--	0.0041	
8/15/2014	0.0060	<0.0050	<0.0050	--	--	0.0070	
6/10/2015	0.0021	<0.0010	0.0012	--	--	<0.0036	

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
MW-46	8/1/2005	1.81	0.0186	0.170	0.0626	0.0116	0.0742
	11/10/2005	0.870	<0.0010	0.074	--	--	0.0035
	4/13/2006	0.830	<0.0010	0.084	--	--	0.0033
	10/12/2006	0.600	<0.0010	0.074	--	--	<0.0030
	4/26/2007	0.650	<0.0010	0.066	--	--	<0.0060
	10/13/2007	0.47	<0.0010	0.054	--	--	<0.0030
	4/24/2008	0.25	<0.0010	0.028	--	--	<0.0030
	10/17/2008	1.5	0.019	0.170	--	--	0.11
	1/23/2009	1.1	<0.0050	0.140	--	--	<0.0050
	4/30/2009	0.270	<0.0010	0.042	--	--	<0.0030
	10/15/2009	0.710	<0.0050	0.075	--	--	<0.015
	4/13/2010	0.390	<0.0010	0.042	--	--	<0.0030
	9/28/2010	0.370	<0.0010	0.044	--	--	0.0033
	5/18/2011	1	<0.0010	0.1	--	--	0.0080
	10/11/2011	0.68	<0.0010	0.069	--	--	0.0041
	6/5/2012	0.19	<0.0010	0.032	--	--	0.0030
	10/2/2012	0.17	<0.0010	0.015	--	--	<0.0030
9/17/2013	0.02	<0.0010	0.0050	--	--	0.0031	
8/12/2014	0.066	<0.0010	0.0014	--	--	<0.0040	
6/10/2015	0.26	<0.0010	0.0093	--	--	0.0025	
MW-47A	8/1/2005	44.9	20.9	1.03	5.94	1.28	7.22
	11/8/2005	*	*	*	*	*	*
	4/11/2006	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	*	*	*	*	*	*
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*	*
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
	5/16/2011	*	*	*	*	*	*
	10/1/2012	*	*	*	*	*	*
	9/16/2013	*	*	*	*	*	*
	8/11/2014	*	*	*	*	*	*
6/8/2015	*	*	*	*	*	*	

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
SVE-1	7/17/2003	18.1	0.170	1.58	7.57	1.05	8.62
	11/10/2005	13.000	<0.020	1.100	--	--	6.000
	10/12/2006	10.0	0.10	1.20	--	--	7.1
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/15/2007	4.9	<0.0050	1.3	--	--	7.2
	4/23/2008	NA	NA	NA	NA	NA	NA
	10/16/2008	4.6	<0.020	1.6	--	--	6.8
	10/14/2009	3.9	<0.020	1.4	--	--	4.9
	9/29/2010	2.9	<0.010	1.4	--	--	3.5
	5/19/2011	3	<0.02	1.5	--	--	4.1
	10/2/2012	1.8	0.021	1.2	--	--	3
	9/16/2013	*	*	*	*	*	*
	8/13/2014	2.5	<0.050	1.2	--	--	2.7
6/11/2015	1.9	<0.020	0.91	--	--	2.1	
SVE-2	7/17/2003	53.2	8.19	1.81	7.26	1.05	8.31
	11/8/2005	*	*	*	*	*	*
	10/9/2006	*	*	*	*	*	*
	4/25/2007	NA	NA	NA	NA	NA	NA
	10/16/2007	*	*	*	*	*	*
	4/24/2008	NA	NA	NA	NA	NA	NA
	10/15/2008	*	*	*	*	*	*
	10/12/2009	*	*	*	*	*	*
	9/27/2010	*	*	*	*	*	*
	5/16/2011	*	*	*	*	*	*
	10/1/2012	*	*	*	*	*	*
	9/16/2013	*	*	*	*	*	*
	8/11/2014	*	*	*	*	*	*
6/8/2015	*	*	*	*	*	*	
Trench #1	6/22/2005	0.0405	0.00194	<0.001	0.00234	0.00108	0.00342
	8/1/2005	0.00120	0.00119	<0.001	0.00162	<0.001	0.00162
Trench #2	6/22/2005	3.37	0.00619	0.0357	0.113	0.00668	0.11968
	10/12/2006	2.5	< 0.0050	0.016	--	--	< 0.020
Trench #3	11/11/2005	8.800	<0.0050	<0.0050	--	--	<0.015
	4/14/2006	13.000	<0.050	<0.050	--	--	<0.150
RW-1	6/22/2005	0.454	0.0109	0.0115	0.0085	0.00363	0.01213
RW-4	6/22/2005	20.2	<0.05	<0.05	<0.05	<0.05	<0.10
	10/12/2006	0.58	< 0.0010	0.0038	--	--	< 0.0050
RW-5	6/22/2005	4.3	0.00533	0.0063	<0.02	<0.02	<0.04
	10/12/2006	12.0	< 0.010	< 0.010	--	--	<0.030
RW-6	6/22/2005	11.1	<0.05	<0.05	0.0276	<0.05	0.0276

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<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
<b>Duplicates</b>							
MW-4	11/11/2001	4.21	0.0481	<0.015	<0.01	<0.035	<0.135
MW-23	6/27/2002	0.647	<0.002	0.003	0.183	0.002	0.185
MW-4	6/29/2002	6.69	0.042	0.118	--	--	0.571
MW-35	6/30/2002	0.668	0.346	0.484	--	--	1.274
MW-16	6/30/2002	<0.0005	<0.0005	<0.0005	--	--	<0.0005
MW-29	06/30/2002	2.9536	<0.001	<0.001	--	--	<0.001
MW-6	6/30/2002	<0.0005	<0.001	<0.001	--	--	<0.001
MW-5	7/17/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
MW-13	7/18/2003	5.01	0.113	0.052	0.249	0.025	0.274
MW-40	12/17/2003	29.0	29.300	2.340	11.300	2.810	14.110
MW-46	8/1/2005	1.73	<0.5	0.146	<0.05	<0.05	<0.10
MW-27	12/17/2003	8.400	0.047	0.437	1.090	<0.020	1.090
MW-31	12/18/2003	<0.001	<0.001	0.002	0.004	0.003	0.007
MW-31	6/9/2004	<0.001	<0.001	0.00058	0.000892	0.000969	0.001861
MW-7	6/10/2004	0.00205	<0.001	0.000974	0.00234	0.00336	0.0057
MW-17	6/11/2004	13	0.0981	0.0364	0.0326	0.0176	0.0502
MW-45	6/22/2004	1.06	0.0371	0.0183	0.0548	0.00673	0.06153
MW-21	12/6/2004	0.0712	0.0469	0.0165	0.0292	0.00532	0.03452
MW-6	12/7/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
MW-27	12/8/2004	5.62	0.0311	0.276	0.341	0.0104	0.3514
MW-42	6/21/2005	0.151	0.0065	0.0168	0.0246	0.00509	0.02969
MW-8	6/22/2005	0.165	<0.001	0.00586	0.0157	<0.001	0.0157
MW-28	11/9/2005	0.0050	<0.0010	<0.001	--	--	<0.0030
MW-23	11/9/2005	0.014	0.0012	0.0011	--	--	0.035
MW-4	11/9/2005	7.100	<0.0050	0.055	--	--	0.083
MW-11	11/9/2005	0.019	<0.0010	<0.001	--	--	<0.0030
MW-8	11/10/2005	0.290	<0.0010	0.021	--	--	0.027
MW-32	4/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-4	4/11/2006	6.500	<0.020	0.200	--	--	0.570
MW-7	4/11/2006	0.0036	<0.0010	<0.0010	--	--	<0.0030
MW-46	4/13/2006	0.750	<0.0050	0.084	--	--	<0.015
MW-33	4/13/2006	5.900	<0.020	0.500	--	--	1.100
MW-31	10/9/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-11	10/11/2006	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-38	10/12/2006	0.049	<0.0010	0.0022	--	--	<0.0030
MW-8	10/12/2006	0.130	<0.0010	0.0077	--	--	0.006
Trench 2	10/12/2006	2.4	<0.0050	0.017	--	--	<0.020
MW-35	4/26/2007	13.000	<0.025	1.100	--	--	3.200
MW-20	7/25/2007	0.560	<0.0050	0.0078	--	--	<0.015
MW-7	10/15/2007	0.0035	0.0011	<0.0010	--	--	<0.0050
MW-10	10/15/2007	18	0.52	1.3	--	--	7.3
MW-45	10/16/2007	0.045	<0.0050	0.032	--	--	<0.015
MW-34	10/17/2007	19	16	0.67	--	--	4.4

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
<b>Duplicates</b>							
MW-4	4/24/2008	0.240	<0.005	0.074	--	--	<0.2
MW-29	4/24/2008	0.230	<0.005	0.0026	--	--	<0.005
MW-15	10/14/2008	0.083	0.0011	0.0022	--	--	<0.0030
MW-24	10/15/2008	11.0	<0.05	0.150	--	--	0.440
MW-12	10/16/2008	0.35	<0.050	0.084	--	--	<0.060
MW-26	10/16/2008	0.015	<0.001	0.0011	--	--	0.027
MW-19	10/16/2008	2.8	<0.010	0.53	--	--	1.2
MW-31	4/29/2009	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-1	4/29/2009	<0.0020	<0.0010	0.0046	--	--	0.012
MW-45	10/13/2009	0.0097	0.0018	0.0044	--	--	<0.005
MW-33	10/13/2009	5.2	<0.020	0.078	--	--	0.26
MW-42	10/14/2009	0.13	<0.0010	0.0094	--	--	<0.025
MW-46	10/15/2009	0.78	<0.0010	0.073	--	--	<0.0030
MW-2	10/15/2009	0.79	<0.0050	0.012	--	--	<0.015
MW-46	4/13/2010	0.510	<0.0010	0.046	--	--	0.0031
MW-4	4/13/2010	0.320	<0.050	0.120	--	--	0.290
MW-43	9/28/2010	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-38	9/29/2010	0.180	<0.020	0.0089	--	--	0.0092
SVE-1	9/29/2010	2.9	<0.010	1.3	--	--	3.5
MW-15	9/29/2010	0.540	<0.010	0.026	--	--	0.0081
MW-17	9/30/2010	0.490	<0.050	0.0071	--	--	<0.015
MW-31	5/17/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-22R	5/17/2011	0.58	<0.0010	0.0045	--	--	0.11
MW-46	5/18/2011	1	<0.0010	0.1	--	--	0.0081
SVE-1	5/19/2011	2.5	<0.01	1.3	--	--	3.4
MW-12	5/19/2011	1.9	<0.0050	0.011	--	--	0.029
MW-29	10/11/2011	<0.0030	<0.0010	0.0021	--	--	<0.0080
MW-5	10/12/2011	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-5	6/5/2012	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-38	6/5/2012	0.17	<0.0050	0.0058	--	--	<0.015
MW-30	6/6/2012	0.0016	<0.0010	<0.0010	--	--	<0.0030
MW-19	10/2/2012	0.79	<0.0050	0.16	--	--	0.3
MW-38	10/3/2012	<0.0050	<0.0050	<0.0050	--	--	<0.015
MW-45	10/4/2012	0.076	<0.0050	<0.0050	--	--	<0.015
MW-32	10/4/2012	<0.0010	<0.0010	<0.001	--	--	<0.003
MW-12	9/18/2013	0.42	<0.035	<0.01	--	--	0.043
MW-9	9/19/2013	0.37	<0.0010	<0.0010	--	--	<0.0030
MW-6	9/19/2013	<0.0010	<0.0010	<0.0010	--	--	<0.0030
MW-15	9/19/2013	0.0043	<0.0010	<0.0010	--	--	0.0066
MW-2	9/19/2013	0.012	<0.01	<0.01	--	--	<0.03
SVE-1	8/13/2014	2.4	<0.050	1.1	--	--	2.5
MW-10	8/13/2014	11	0.86	1.4	--	--	7.5
MW-35	8/13/2014	4	<0.020	0.7	--	--	1.3

**Table 4**  
**Summary of BTEX Plume Analytical Results in Groundwater**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Well Number	Date Collected	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylene (mg/L)	o-Xylene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Standard (mg/L):</b>		<b>0.005</b>	<b>1.0</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	<b>10.0</b>
<b>Duplicates</b>							
MW-22R	8/14/2014	0.042	<0.0010	0.0048	--	--	<0.0080
MW-31	8/15/2014	<0.0010	<0.0010	<0.0010	--	--	<0.0010
MW-2	6/11/2015	0.0057	<0.0050	<0.0050	--	--	<0.0086
MW-7	6/9/2015	<0.0020	<0.0010	<0.0010	--	--	<0.0050
MW-44	6/10/2015	0.029	<0.0010	0.0032	--	--	<0.0067
MW-19	6/11/2015	0.24	<0.0050	0.12	--	--	0.22
MW-10	6/12/2015	9.8	0.37	1.4	--	--	7.3
<b>MS</b>							
MW-35	11/10/2005	22.000	4.100	5.400	--	--	17.000
MW-35	4/13/2006	17.000	1.000	2.100	--	--	6.500
<b>MSD</b>							
MW-35	11/10/2005	22.000	4.000	5.300	--	--	16.000
MW-35	4/13/2006	17.000	1.000	2.100	--	--	6.600

**Notes:**

**Standards listed are from the Colorado Department of Public Health and Environment Water Quality Control Commission (CDPHE-WQCC), The Basic Standards for Ground Water.**

1. mg/L: Milligrams per liter
2. --: No data available
3. <: Less than test method detection limit
4. \*: Phase-separated hydrocarbons in well - No sample collected
5. \*\*: Replacement monitoring well
6. MS: Matrix Spike
7. MSD: Matrix Spike Duplicate

**Table 5**  
**Summary of BTEX Analytical Results in Surface Water**  
**Chevron Environmental Management Company**  
**Wilson Creek Unit**  
**Rio Blanco County, Colorado**

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
<b>CDPHE-WQCC Basic Standard (mg/L):</b>		<b>0.0022</b>	<b>0.51</b>	<b>0.53</b>	<b>-----</b>
SW-1	4/12/2006	0.190	<0.0010	0.0028	0.011
	10/12/2006	<0.001	<0.001	<0.001	<0.003
	4/24/2007	0.086	<0.001	0.0059	0.018
	10/13/2007	4.6	0.0012	0.021	0.066
	4/24/2008	0.016	<0.005	0.0014	0.0052
	10/14/2008	1.400	0.0010	0.014	0.059
	4/29/2009	0.014	<0.001	<0.001	0.0039
	10/13/2009	0.019	<0.0010	<0.0010	0.0047
	9/28/2010	1.100	<0.020	0.010	0.033
	5/16/2011	0.044	<0.0010	0.0033	0.013
	10/11/2011	0.083	<0.0010	0.014	0.042
	6/5/2012	0.0083	<0.0010	0.0017	0.0055
	8/12/2014	0.220	<0.0010	0.0031	0.010
6/12/2015	0.0021	<0.0010	<0.0010	<0.0010	
SW-2	4/12/2006	0.003	0.001	<0.001	<0.003
	10/9/2006	<0.001	<0.001	<0.001	<0.003
	4/24/2007	0.026	<0.0010	0.0022	0.011
	10/13/2007	<0.0010	<0.0010	<0.0010	<0.0030
	4/24/2008	0.042	0.0017	0.0013	0.0061
	10/14/2008	<0.0010	<0.0010	<0.0010	<0.0030
	4/29/2009	0.024	<0.0010	<0.0010	<0.0030
	10/13/2009	<0.0010	<0.0010	<0.0010	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	<0.0030
	5/17/2011	0.011	<0.0010	<0.0010	<0.0030
	10/11/2011	<0.0010	<0.0010	<0.0010	<0.0030
	6/5/2012	<0.0010	<0.0010	<0.0010	<0.0030
	8/12/2014	<0.0010	<0.0010	<0.0010	<0.0010
6/12/2015	0.0021	<0.0010	<0.0010	<0.0010	
Pond-1	4/24/2007	<0.0010	<0.0010	<0.0010	<0.0030
	10/13/2007	<0.0010	<0.0010	<0.0010	<0.0030
	4/24/2008	<0.0010	<0.0010	<0.0010	<0.0030
	10/14/2008	<0.0010	<0.0010	<0.0010	<0.0030
	4/29/2009	<0.0010	<0.0010	<0.0010	<0.0030
	10/15/2009	<0.0010	<0.0010	<0.0010	<0.0030
	9/28/2010	<0.0010	<0.0010	<0.0010	<0.0030
	5/17/2011	<0.0010	<0.0010	<0.0010	<0.0030
	10/11/2011	<0.0010	<0.0010	<0.0010	<0.0030
	6/5/2012	<0.0010	<0.0010	<0.0010	<0.0030
	10/4/2012	<0.0010	<0.0010	<0.0010	<0.0030
	9/20/2013	<0.0010	<0.0010	<0.0010	<0.0030
	8/12/2014	<0.0010	<0.0010	<0.0010	<0.0010
6/12/2015	<0.0010	<0.0010	<0.0010	<0.0010	

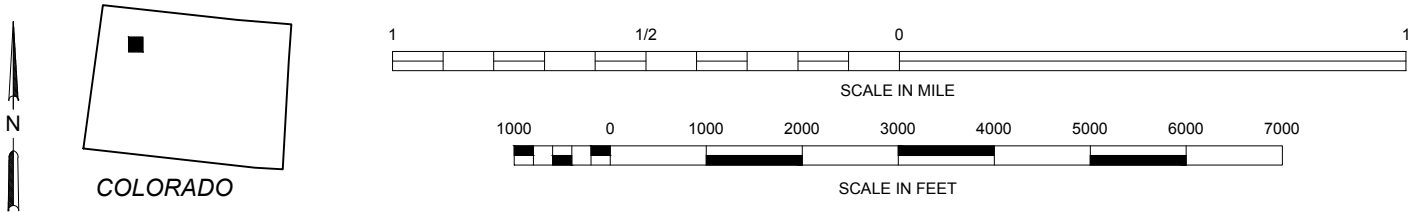
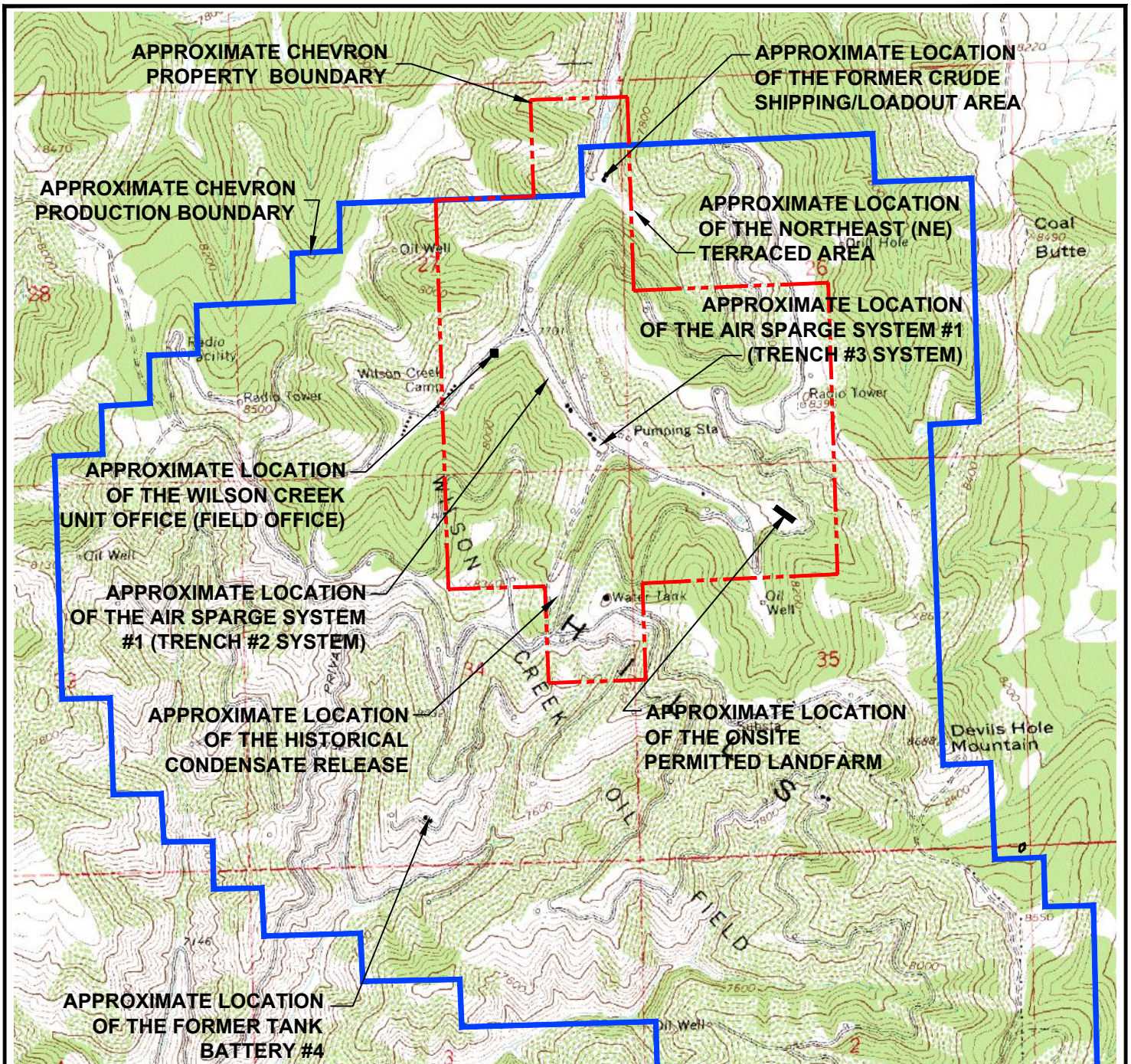
**Notes:**

**Standards listed are from the Colorado Department of Public Health and Environment Water Quality Control Commission (CDPHE-WQCC), The Basic Standards and Methodologies for Surface Water. The most conservative standard (Human Health Based for Water + Fish) is listed for comparison.**


1. mg/L: Milligrams per liter

2. <: Less than test method detection limit

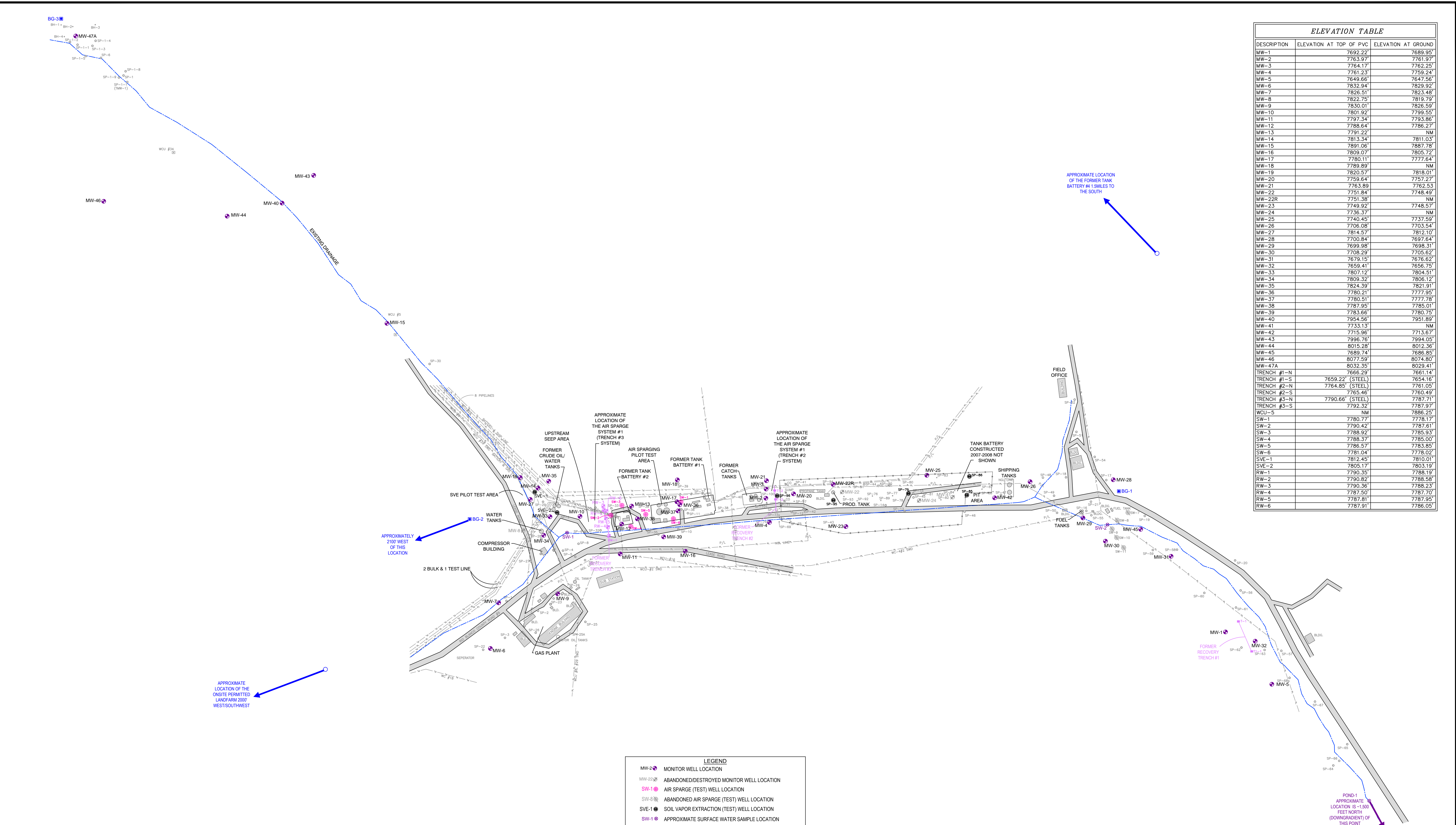
## Figures



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; DEVILS HOLE GULCH, COLORADO

 <p>2000 South Colorado Boulevard, Suite 2-300 Denver, Colorado 80222 PHONE: (303) 758-4058 FAX: (303) 758-4828</p>	FOR: CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY WILSON CREEK UNIT 7265 RIO BLANCO COUNTY ROAD #9 MEEKER, COLORADO		SITE LOCATION MAP		FIGURE: <b>1</b>
	JOB NUMBER: 212201118	DRAWN BY: ARA	CHECKED BY: CB	APPROVED BY: TM	DATE: 12/18/13

ELEVATION TABLE		
DESCRIPTION	ELEVATION AT TOP OF PVC	ELEVATION AT GROUND
MW-1	7692.22'	7689.95'
MW-2	7763.97'	7761.97'
MW-3	7764.17'	7762.25'
MW-4	7761.23'	7759.24'
MW-5	7649.66'	7647.56'
MW-6	7832.94'	7829.92'
MW-7	7826.51'	7823.48'
MW-8	7822.75'	7819.79'
MW-9	7830.01'	7826.59'
MW-10	7801.92'	7799.55'
MW-11	7797.34'	7793.86'
MW-12	7788.64'	7786.27'
MW-13	7791.22'	NM
MW-14	7813.34'	7811.03'
MW-15	7891.06'	7887.78'
MW-16	7809.07'	7805.72'
MW-17	7780.11'	7777.64'
MW-18	7789.89'	NM
MW-19	7820.57'	7818.01'
MW-20	7759.64'	7757.27'
MW-21	7763.89'	7762.53'
MW-22	7751.84'	7748.49'
MW-22R	7751.35'	NM
MW-23	7749.92'	7748.57'
MW-24	7736.37'	NM
MW-25	7740.45'	7737.59'
MW-26	7706.08'	7703.54'
MW-27	7814.57'	7812.10'
MW-28	7700.84'	7697.64'
MW-29	7699.98'	7698.31'
MW-30	7708.29'	7705.62'
MW-31	7679.15'	7676.62'
MW-32	7659.41'	7656.75'
MW-33	7807.12'	7804.51'
MW-34	7809.32'	7806.12'
MW-35	7824.39'	7821.91'
MW-36	7780.21'	7777.95'
MW-37	7780.51'	7777.78'
MW-38	7787.95'	7785.01'
MW-39	7783.66'	7780.75'
MW-40	7954.56'	7951.89'
MW-41	7733.13'	NM
MW-42	7715.96'	7713.67'
MW-43	7996.76'	7994.05'
MW-44	8015.28'	8012.36'
MW-45	7689.74'	7686.85'
MW-46	8077.59'	8074.80'
MW-47A	8032.35'	8029.41'
TRENCH #1-N	7666.29'	7661.14'
TRENCH #1-S	7659.22' (STEEL)	7654.16'
TRENCH #2-N	7764.85' (STEEL)	7761.05'
TRENCH #2-S	7765.46'	7760.49'
TRENCH #3-N	7790.66' (STEEL)	7787.71'
TRENCH #3-S	7792.32'	7787.97'
WCU-5	NM	7886.25'
SW-1	7780.77'	7778.17'
SW-2	7790.42'	7787.61'
SW-3	7788.92'	7785.93'
SW-4	7788.37'	7785.00'
SW-5	7786.57'	7783.85'
SW-6	7781.04'	7778.02'
SVE-1	7812.45'	7810.01'
SVE-2	7805.17'	7803.19'
RW-1	7790.35'	7788.19'
RW-2	7790.82'	7788.58'
RW-3	7790.36'	7788.23'
RW-4	7787.50'	7787.70'
RW-5	7787.81'	7787.95'
RW-6	7787.91'	7786.05'



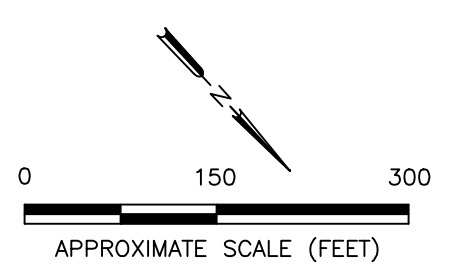
APPROXIMATE LOCATION OF THE ONSITE PERMITTED LANDFARM 2000 WEST/SOUTHWEST

APPROXIMATE LOCATION OF THE FORMER TANK BATTERY #1 1.5 MILES TO THE SOUTH

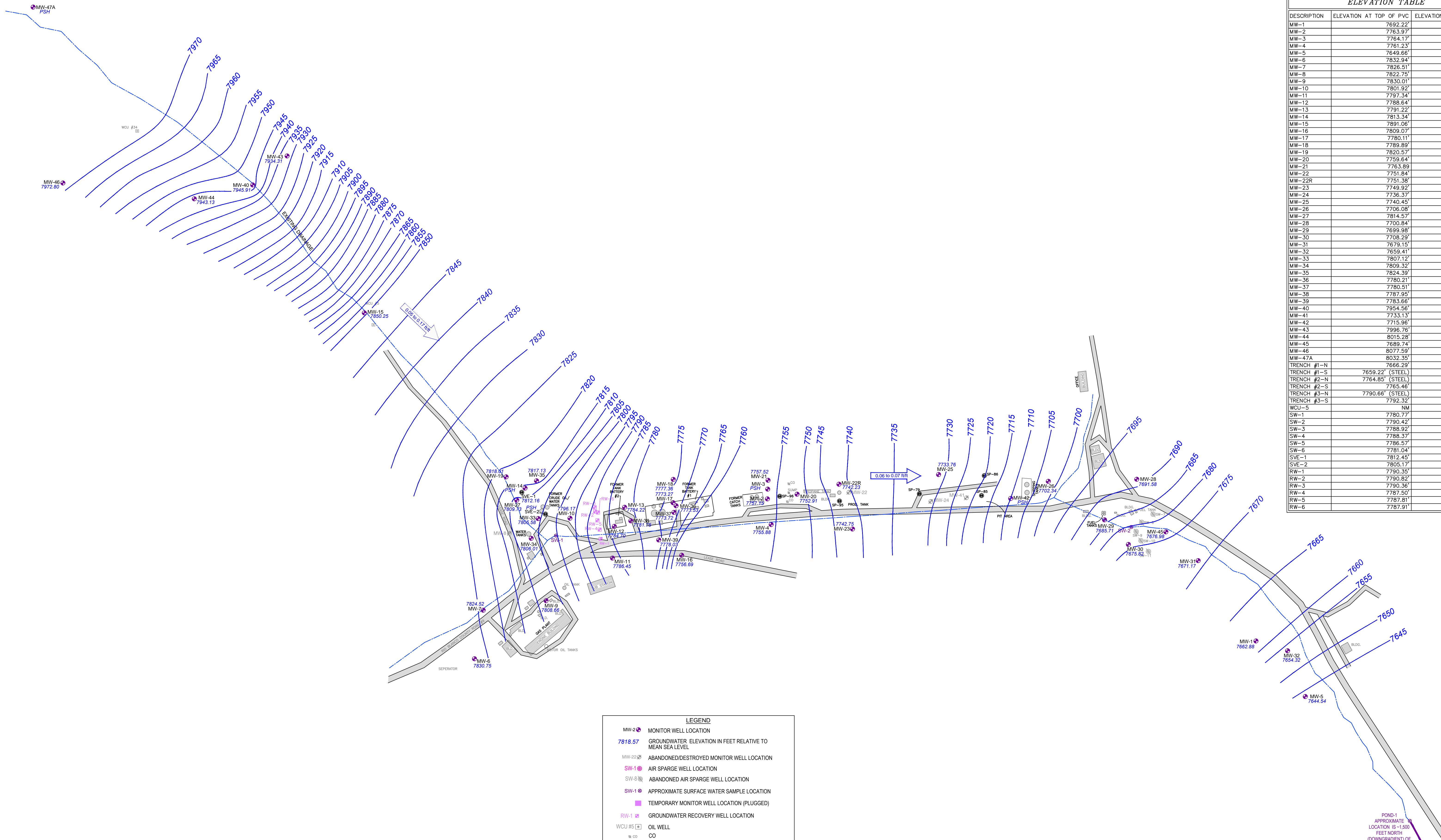
APPROXIMATELY 2100' WEST OF THIS LOCATION

FOND-1 APPROXIMATE LOCATION IS 1-1500 FEET NORTH (DOWNGRADE) OF THIS POINT

- LEGEND**
- MW-2 ● MONITOR WELL LOCATION
  - MW-22 ● ABANDONED/DESTROYED MONITOR WELL LOCATION
  - SW-1 ● AIR SPARGE (TEST) WELL LOCATION
  - SW-8 ● ABANDONED AIR SPARGE (TEST) WELL LOCATION
  - SVE-1 ● SOIL VAPOR EXTRACTION (TEST) WELL LOCATION
  - SW-1 ● APPROXIMATE SURFACE WATER SAMPLE LOCATION
  - BG-1 ● APPROXIMATE BACKGROUND SOIL SAMPLE LOCATION
  - TEMPORARY MONITOR WELL LOCATION (PLUGGED)
  - RW-1 ● GROUNDWATER RECOVERY WELL LOCATION
  - T-1 ● GROUNDWATER RECOVERY TRENCH LOCATION
  - WCU #5 □ OIL WELL
  - CO CO SUMP
  - FENCE
  - PIPELINE
  - NM NOT MEASURED

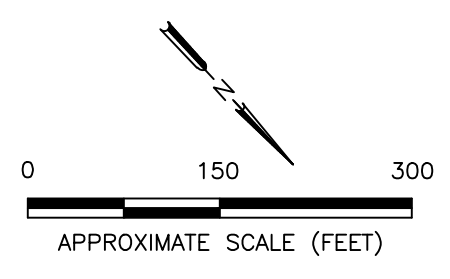


<p>2000 South Colorado Boulevard, Suite 2-300 Denver, Colorado 80222 PHONE: (303) 758-4058 FAX: (303) 758-4828</p>	FOR:	<p>CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY WILSON CREEK UNIT 7265 RIO BLANCO COUNTY ROAD #9 MEEKER, COLORADO</p>		FIGURE:	2				
	JOB NUMBER:	212201118	DRAWN BY:	ARA	CHECKED BY:	CB	APPROVED BY:	TM	DATE:

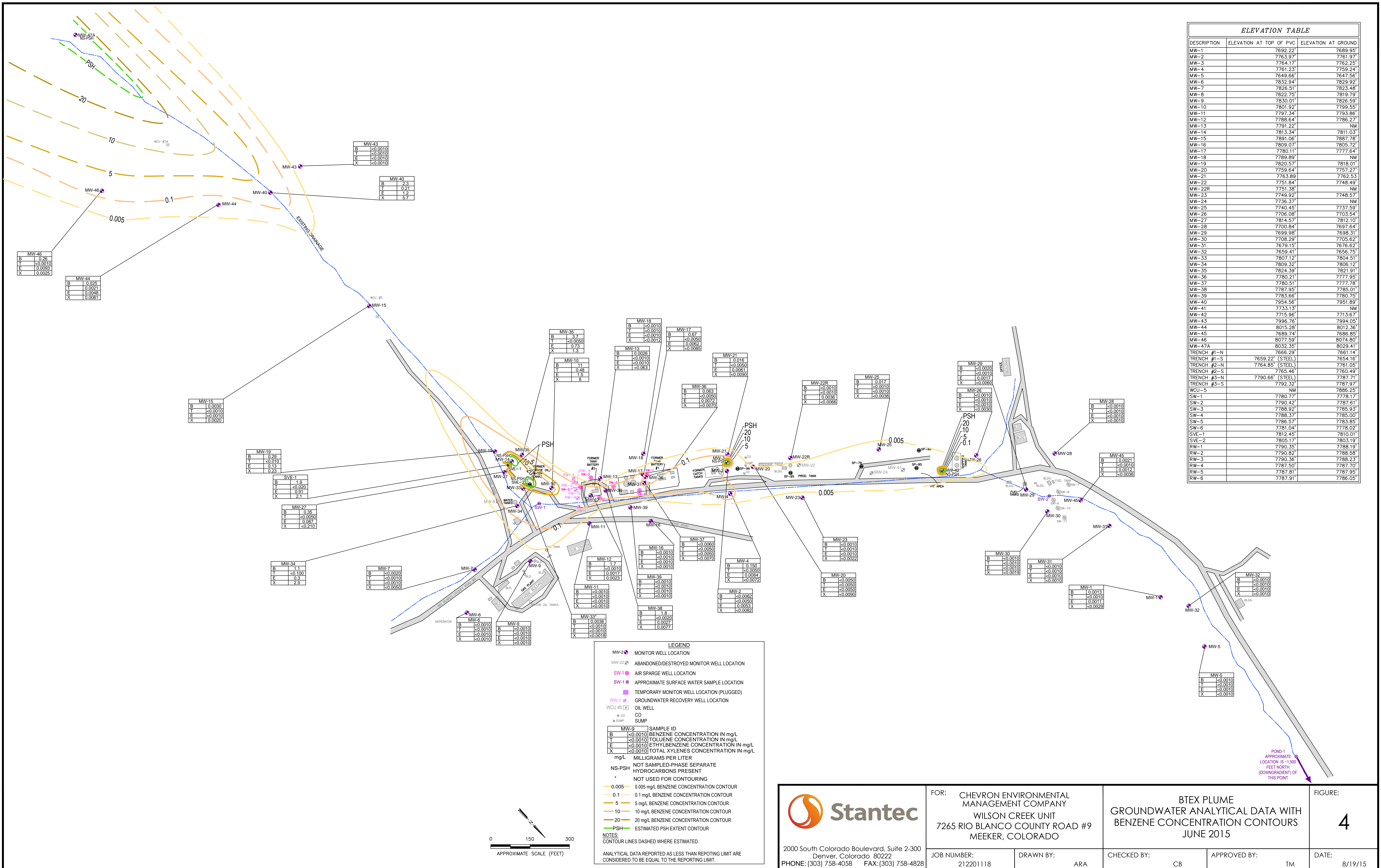


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MW-9	7830.01'	7826.59'
MW-10	7801.92'	7799.55'
MW-11	7797.34'	7793.86'
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MW-13	7791.22'	NM
MW-14	7813.34'	7811.03'
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MW-25	7740.45'	7737.58'
MW-26	7706.08'	7703.54'
MW-27	7814.57'	7812.10'
MW-28	7700.84'	7697.64'
MW-29	7699.98'	7698.31'
MW-30	7708.29'	7705.62'
MW-31	7679.15'	7676.62'
MW-32	7659.41'	7656.75'
MW-33	7807.12'	7804.51'
MW-34	7809.32'	7806.12'
MW-35	7824.39'	7821.91'
MW-36	7780.21'	7777.95'
MW-37	7780.51'	7777.78'
MW-38	7787.95'	7785.01'
MW-39	7783.68'	7780.75'
MW-40	7954.56'	7951.89'
MW-41	7733.13'	NM
MW-42	7715.96'	7713.67'
MW-43	7996.76'	7994.05'
MW-44	8015.28'	8012.36'
MW-45	7659.74'	7656.85'
MW-46	8077.59'	8074.80'
MW-47A	8032.35'	8029.41'
TRENCH #1-N	7666.29'	7661.14'
TRENCH #1-S	7659.22' (STEEL)	7654.16'
TRENCH #2-N	7764.85' (STEEL)	7761.05'
TRENCH #2-S	7765.46'	7760.49'
TRENCH #3-N	7790.66' (STEEL)	7787.71'
TRENCH #3-S	7792.32'	7787.97'
WCU-5	NM	7886.25'
SW-1	7780.77'	7778.17'
SW-2	7790.42'	7787.61'
SW-3	7788.92'	7785.93'
SW-4	7788.37'	7785.00'
SW-5	7786.57'	7783.85'
SW-6	7781.04'	7778.02'
SVE-1	7812.45'	7810.01'
SVE-2	7805.17'	7803.19'
RW-1	7790.35'	7788.19'
RW-2	7790.82'	7788.58'
RW-3	7790.36'	7788.23'
RW-4	7787.50'	7787.70'
RW-5	7787.81'	7787.95'
RW-6	7787.91'	7786.05'

- LEGEND**
- MW-2 ● MONITOR WELL LOCATION
  - 7818.57 GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
  - MW-22 ⊕ ABANDONED/DESTROYED MONITOR WELL LOCATION
  - SW-1 ● AIR SPARGE WELL LOCATION
  - SW-8 ⊕ ABANDONED AIR SPARGE WELL LOCATION
  - SW-1 ⊕ APPROXIMATE SURFACE WATER SAMPLE LOCATION
  - TEMPORARY MONITOR WELL LOCATION (PLUGGED)
  - RW-1 ● GROUNDWATER RECOVERY WELL LOCATION
  - WCU #5 □ OIL WELL
  - CO SUMP
  - 7810 GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
  - NM NOT MEASURED
  - ↗ APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT RANGES FROM 0.05 TO 0.17 FEET PER FOOT (ft/ft).
  - PSH PHASE SEPARATE HYDROCARBONS



<p>2000 South Colorado Boulevard, Suite 2-300 Denver, Colorado 80222 PHONE: (303) 758-4058 FAX: (303) 758-4828</p>	<p>FOR: CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY WILSON CREEK UNIT 7265 RIO BLANCO COUNTY ROAD #9 MEEKER, COLORADO</p>	<p>BTEX PLUME GROUNDWATER POTENTIOMETRIC SURFACE MAP JUNE 2015</p>		<p>FIGURE: <b>3</b></p>
	<p>JOB NUMBER: 212201118</p>	<p>DRAWN BY: ARA</p>	<p>CHECKED BY: CB</p>	<p>APPROVED BY: TM</p>



ELEVATION TABLE		
DESCRIPTION	ELEVATION AT TOP OF PVC	ELEVATION AT GROUND
MW-1	7692.22'	7689.95'
MW-2	7763.97'	7761.97'
MW-3	7764.17'	7762.25'
MW-4	7761.23'	7759.24'
MW-5	7649.66'	7647.56'
MW-6	7832.94'	7829.92'
MW-7	7826.51'	7823.48'
MW-8	7822.75'	7819.79'
MW-9	7830.01'	7826.59'
MW-10	7801.92'	7799.55'
MW-11	7797.34'	7793.86'
MW-12	7788.64'	7786.27'
MW-13	7791.22'	NM
MW-14	7813.34'	7811.03'
MW-15	7891.06'	7887.78'
MW-16	7809.07'	7805.72'
MW-17	7780.11'	7777.64'
MW-18	7789.89'	NM
MW-19	7820.57'	7818.01'
MW-20	7759.64'	7757.27'
MW-21	7763.89'	7762.53'
MW-22	7751.84'	7748.49'
MW-22R	7751.35'	NM
MW-23	7749.92'	7748.57'
MW-24	7736.37'	NM
MW-25	7740.45'	7737.59'
MW-26	7706.08'	7703.54'
MW-27	7814.57'	7812.10'
MW-28	7700.84'	7697.64'
MW-29	7699.98'	7698.31'
MW-30	7708.29'	7705.62'
MW-31	7679.15'	7676.62'
MW-32	7659.41'	7656.75'
MW-33	7807.12'	7804.51'
MW-34	7809.32'	7806.12'
MW-35	7824.39'	7821.91'
MW-36	7780.21'	7777.95'
MW-37	7780.51'	7777.78'
MW-38	7787.95'	7785.01'
MW-39	7783.66'	7780.75'
MW-40	7954.56'	7951.89'
MW-41	7733.13'	NM
MW-42	7715.96'	7713.67'
MW-43	7996.76'	7994.05'
MW-44	8015.28'	8012.36'
MW-45	7689.74'	7686.85'
MW-46	8077.59'	8074.80'
MW-47A	8032.35'	8029.41'
TRENCH #1-N	7666.29'	7661.14'
TRENCH #1-S	7659.22' (STEEL)	7654.16'
TRENCH #2-N	7764.85' (STEEL)	7761.05'
TRENCH #2-S	7765.46'	7760.49'
TRENCH #3-N	7790.66' (STEEL)	7787.97'
TRENCH #3-S	7792.32'	7789.97'
WCU-5	NM	7886.25'
SW-1	7780.77'	7778.17'
SW-2	7790.42'	7787.61'
SW-3	7788.92'	7785.93'
SW-4	7788.37'	7785.00'
SW-5	7786.57'	7783.85'
SW-6	7781.04'	7778.02'
ISVE-1	7812.45'	7810.01'
ISVE-2	7805.17'	7803.19'
RW-1	7790.35'	7788.19'
RW-2	7790.82'	7788.58'
RW-3	7790.36'	7788.23'
RW-4	7787.50'	7787.70'
RW-5	7787.81'	7787.95'
RW-6	7787.91'	7786.05'

**LEGEND**

- MW-10 MONITOR WELL LOCATION
- MW-22 ABANDONED/DESTROYED MONITOR WELL LOCATION
- SW-1 AIR SPARGE WELL LOCATION
- SW-1 APPROXIMATE SURFACE WATER SAMPLE LOCATION
- TEMPORARY MONITOR WELL LOCATION (PLUGGED)
- RW-1 GROUNDWATER RECOVERY WELL LOCATION
- WCU #5 OIL WELL
- CO
- SUMP

**SAMPLE ID**

- B <0.0010 BENZENE CONCENTRATION IN mg/L
- T <0.0010 TOLUENE CONCENTRATION IN mg/L
- E <0.0010 ETHYLBENZENE CONCENTRATION IN mg/L
- X <0.0010 TOTAL XYLENES CONCENTRATION IN mg/L

mg/L MILLIGRAMS PER LITER

NOT SAMPLED-PHASE SEPARATE HYDROCARBONS PRESENT

\* NOT USED FOR CONTOURING

- 0.005 0.005 mg/L BENZENE CONCENTRATION CONTOUR
- 0.1 0.1 mg/L BENZENE CONCENTRATION CONTOUR
- 5 5 mg/L BENZENE CONCENTRATION CONTOUR
- 10 10 mg/L BENZENE CONCENTRATION CONTOUR
- 20 20 mg/L BENZENE CONCENTRATION CONTOUR
- PSH ESTIMATED PSH EXTENT CONTOUR

CONTOUR LINES DASHED WHERE ESTIMATED.

**NOTES:**  
ANALYTICAL DATA REPORTED AS LESS THAN REPORTING LIMIT ARE CONSIDERED TO BE EQUAL TO THE REPORTING LIMIT.

2000 South Colorado Boulevard, Suite 2-300  
Denver, Colorado 80222  
PHONE: (303) 758-4058 FAX: (303) 758-4828

FOR: CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY  
WILSON CREEK UNIT  
7265 RIO BLANCO COUNTY ROAD #9  
MEEKER, COLORADO

BTEX PLUME  
GROUNDWATER ANALYTICAL DATA WITH  
BENZENE CONCENTRATION CONTOURS  
JUNE 2015

FIGURE:  
**4**

JOB NUMBER: 212201118

DRAWN BY: ARA

CHECKED BY: CB

APPROVED BY: TM

DATE: 8/19/15

**Figure 5-1: Plume Wells-MW-40, MW-44, and MW-47A PSH Trends**

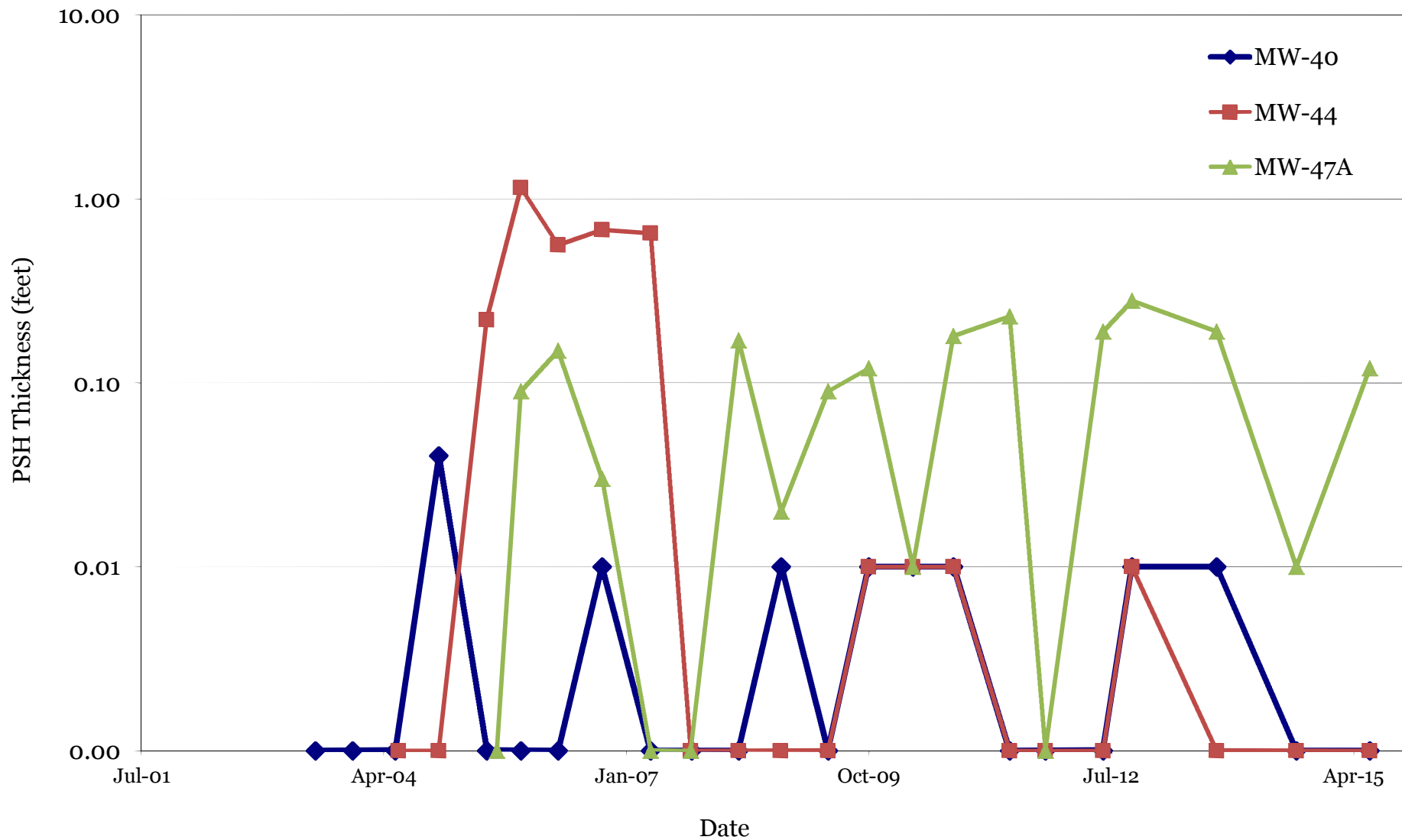
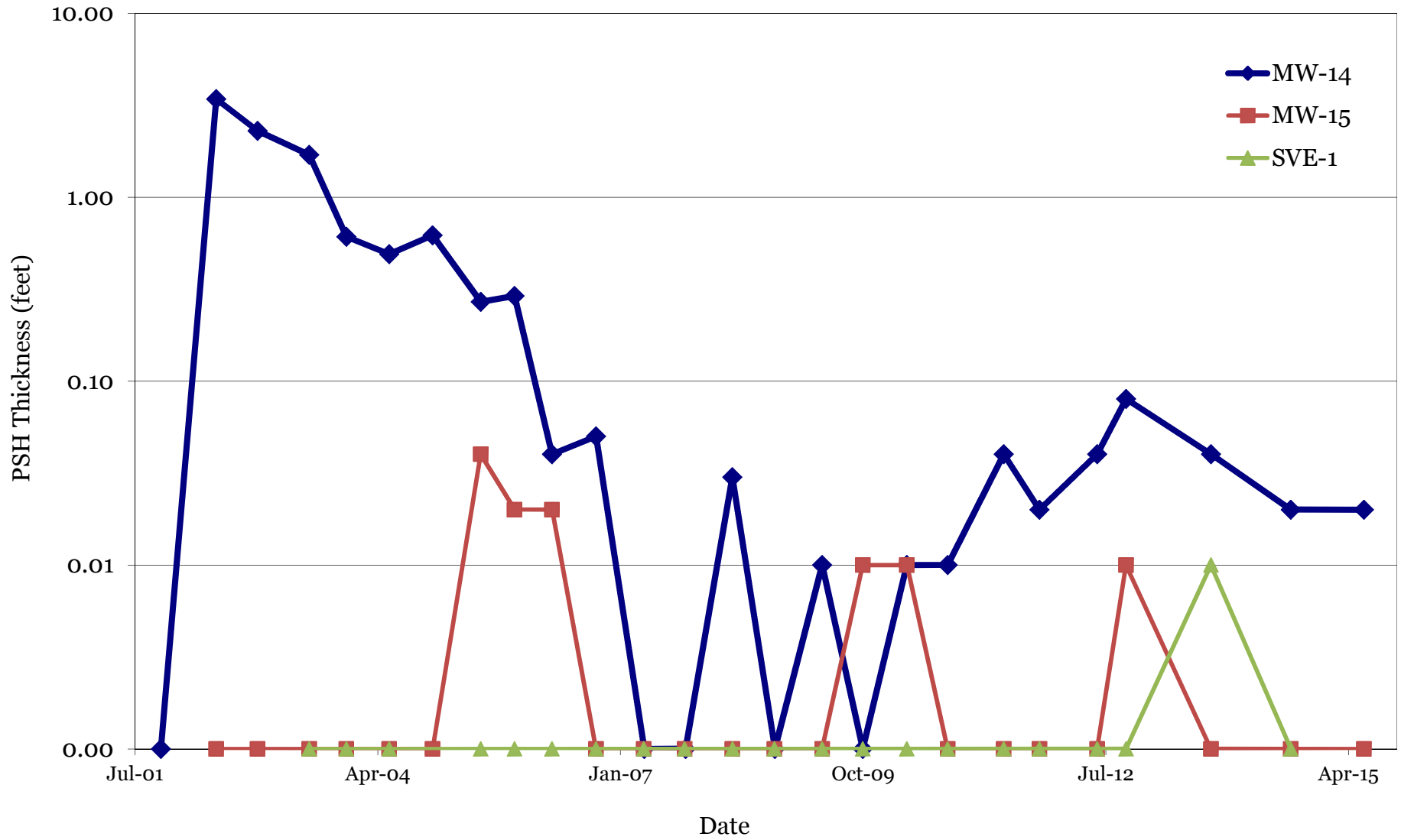
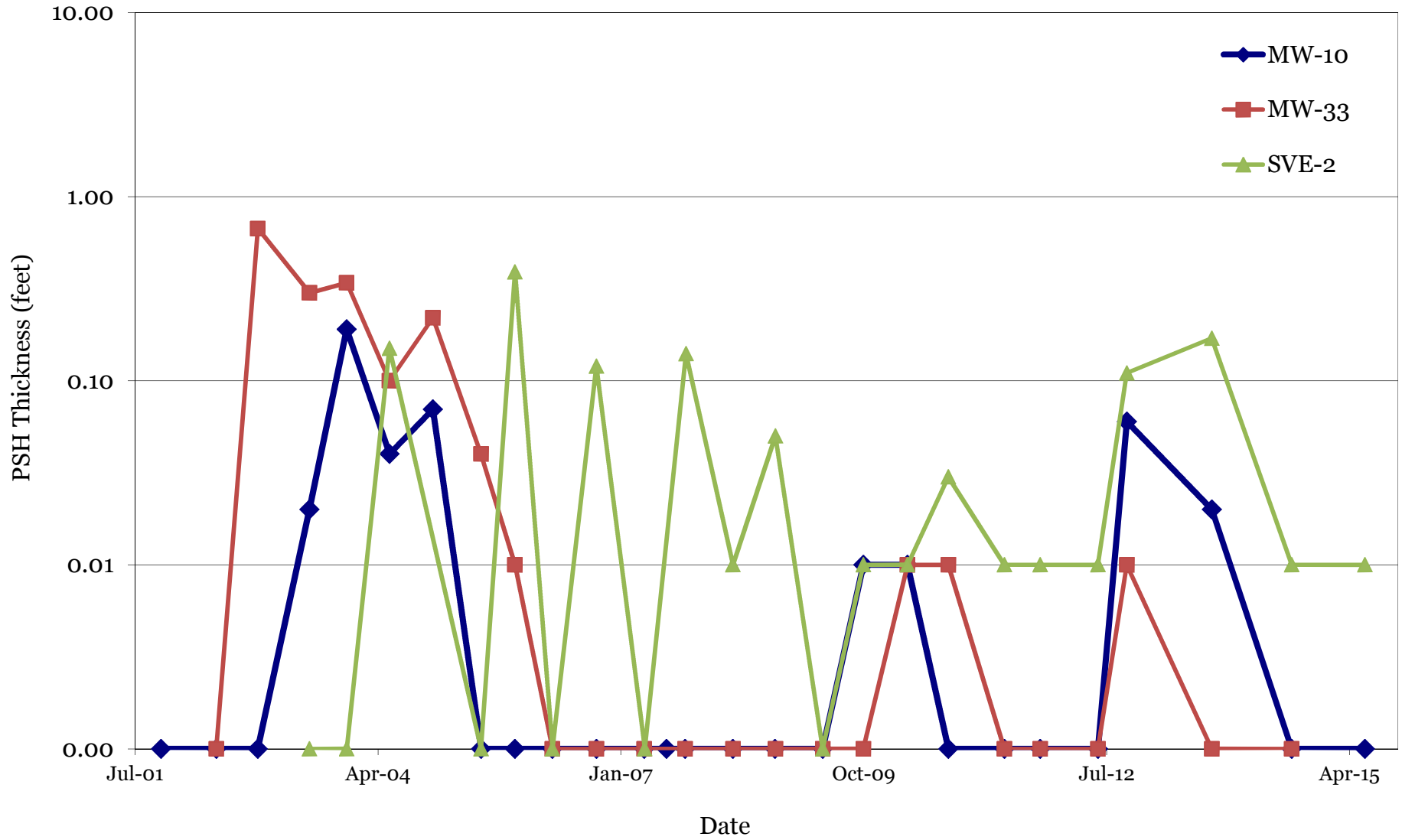


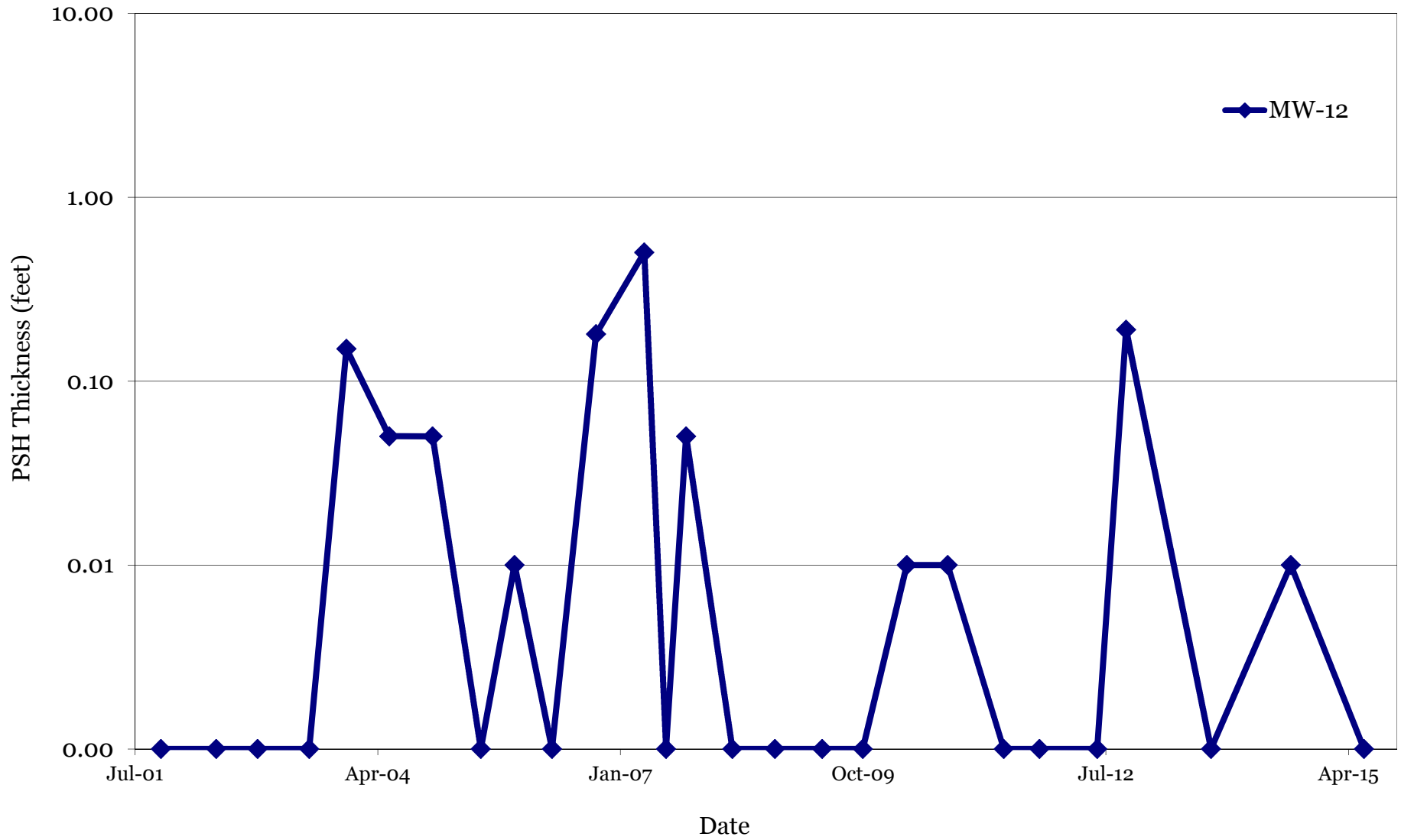
Figure 5-2: Plume Wells-MW-14, MW-15 and SVE-1 PSH Trends



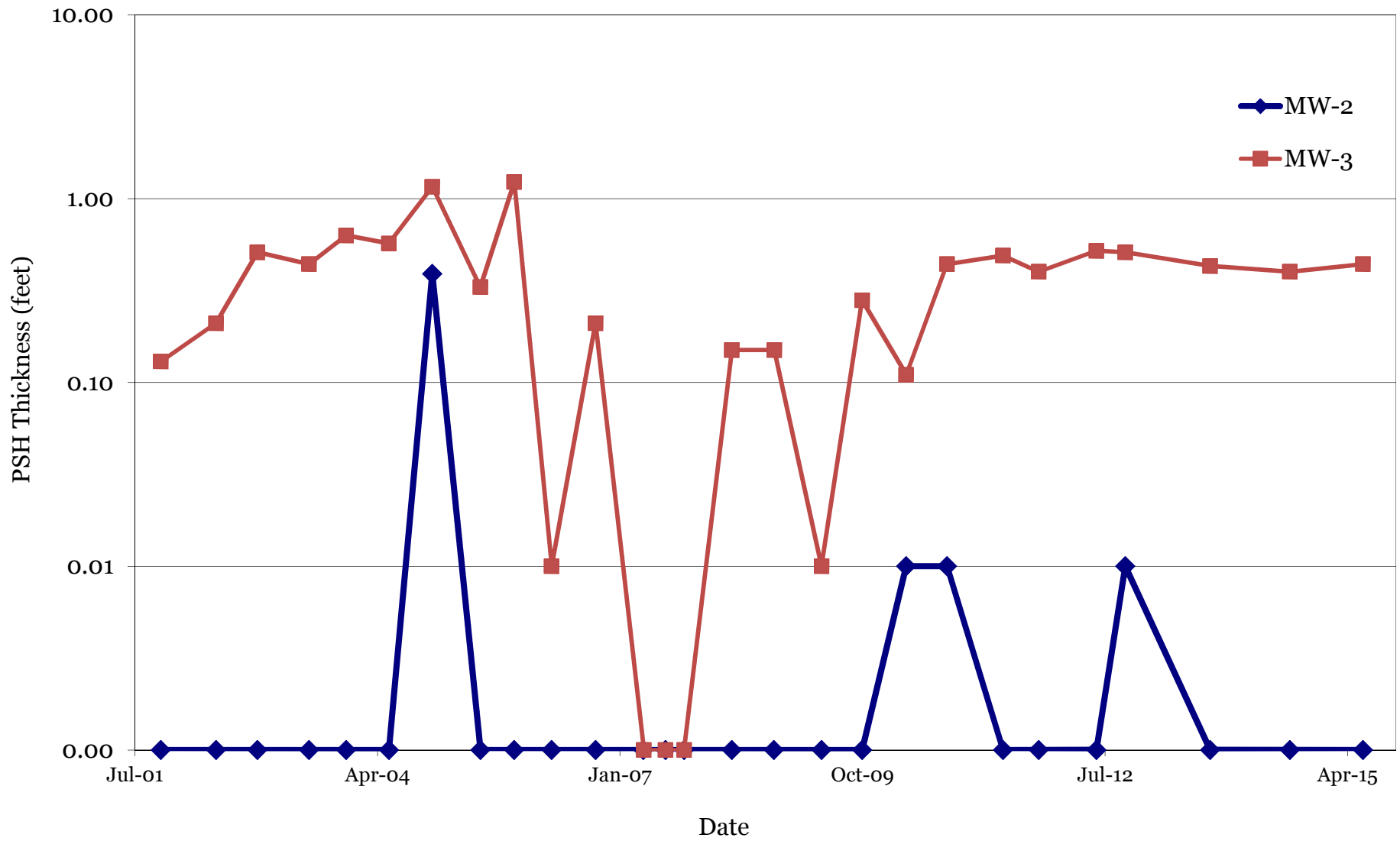
**Figure 5-3: Plume Wells-MW-10, MW-33, and SVE-2 PSH Trends**



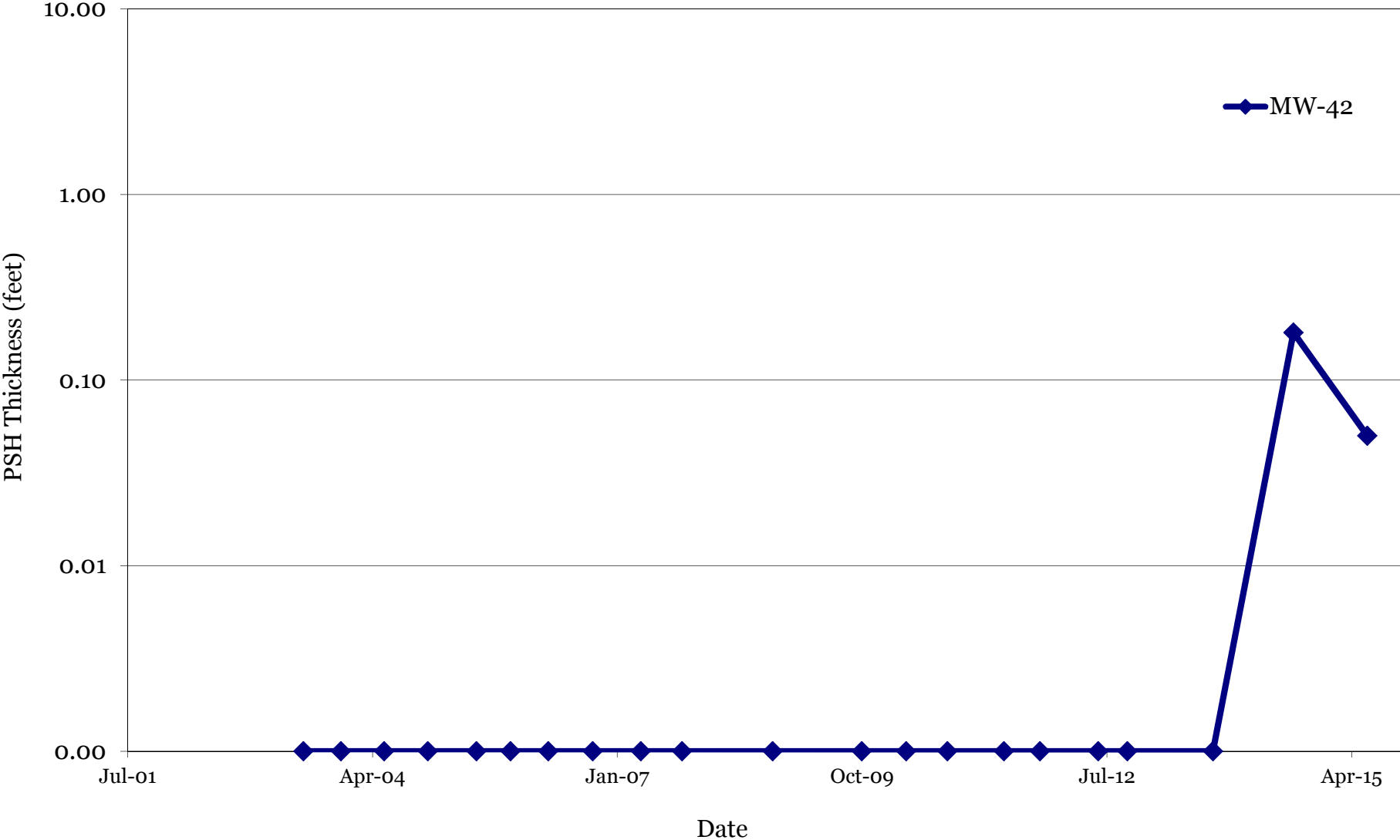
**Figure 5-4: Plume Well-MW-12 PSH Trend**



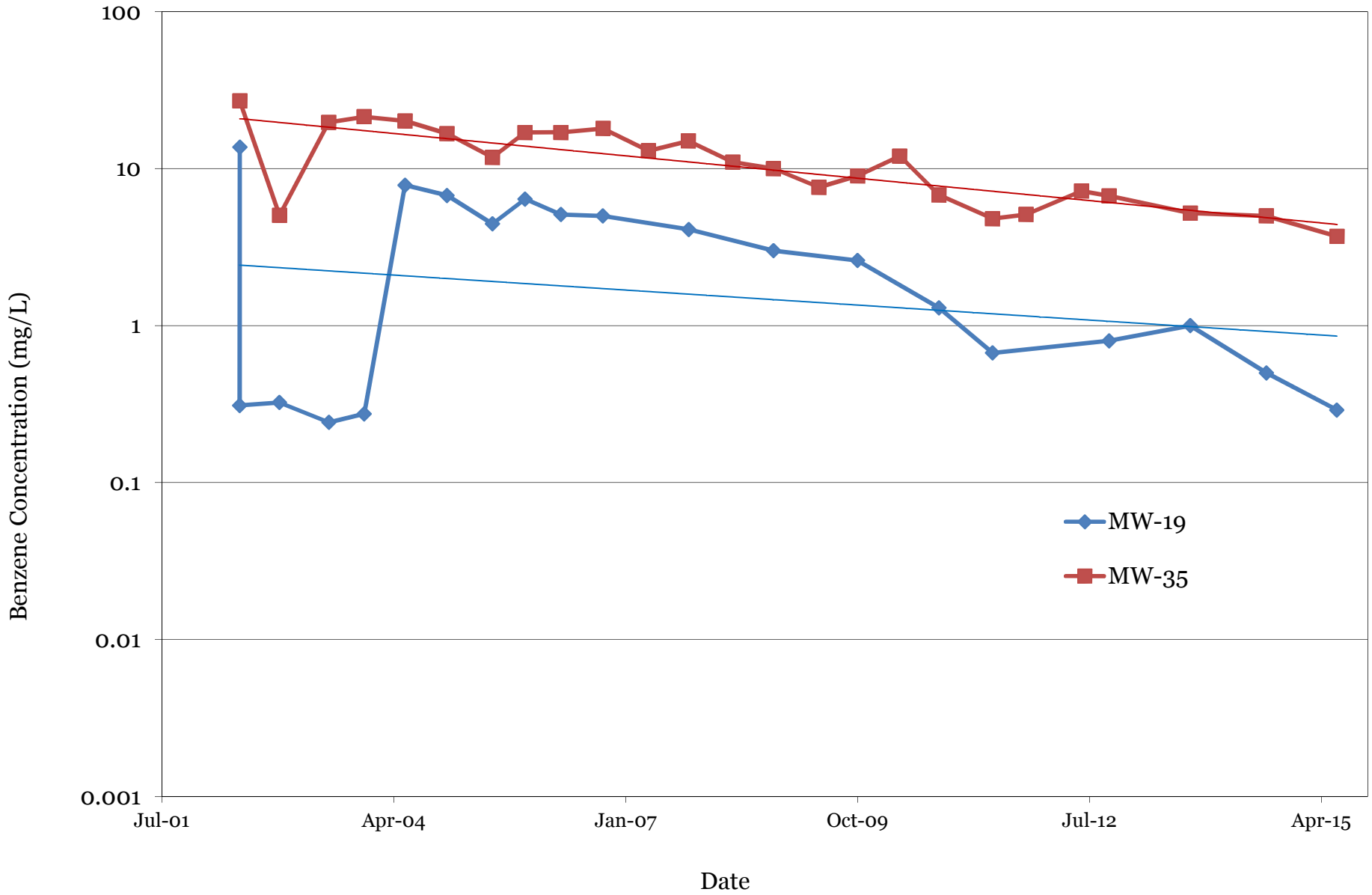
**Figure 5-5: Plume Wells-MW-2 and MW-3 PSH Trends**



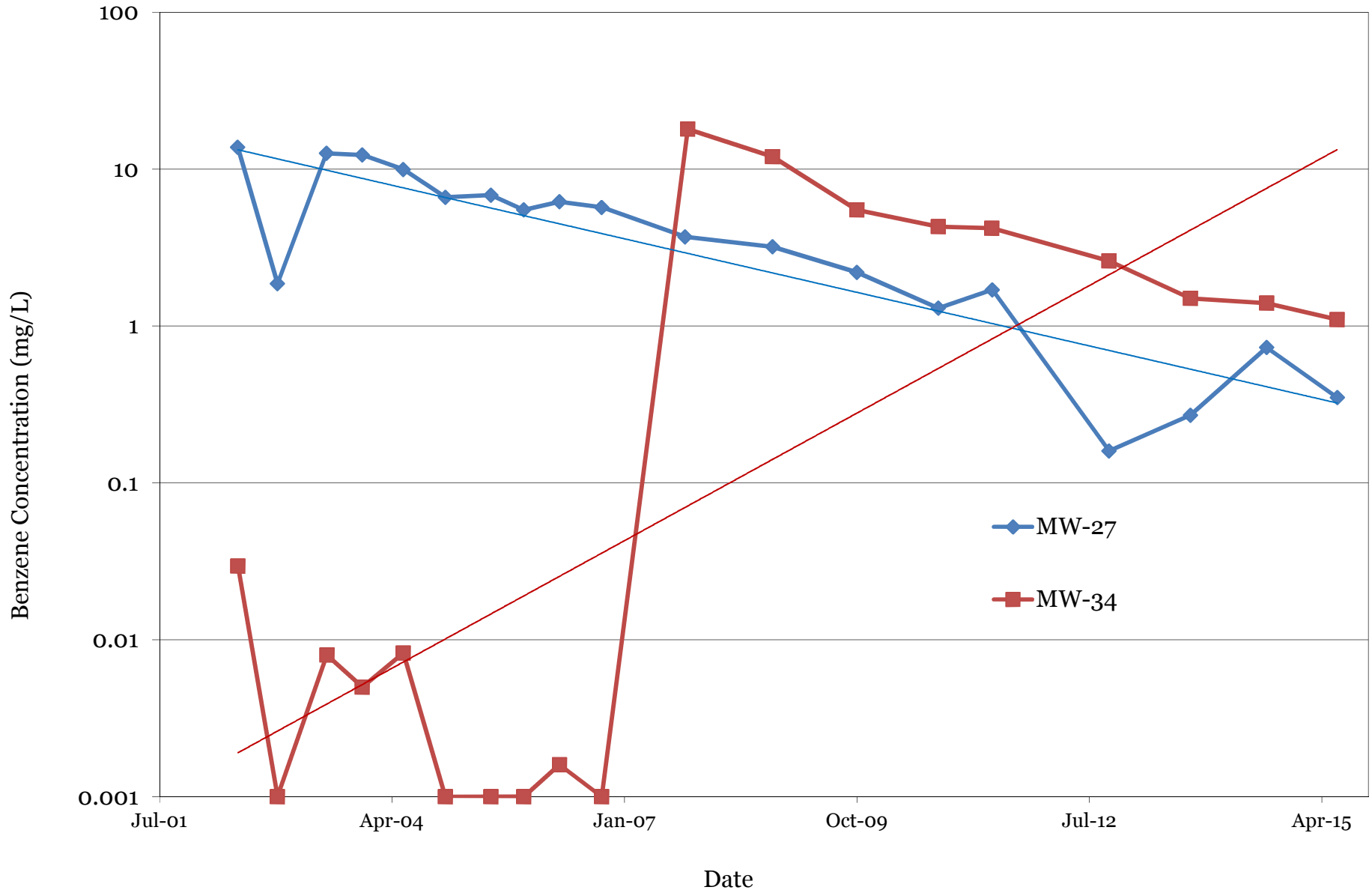
**Figure 5-6: Plume Well-MW-42 PSH Trend**



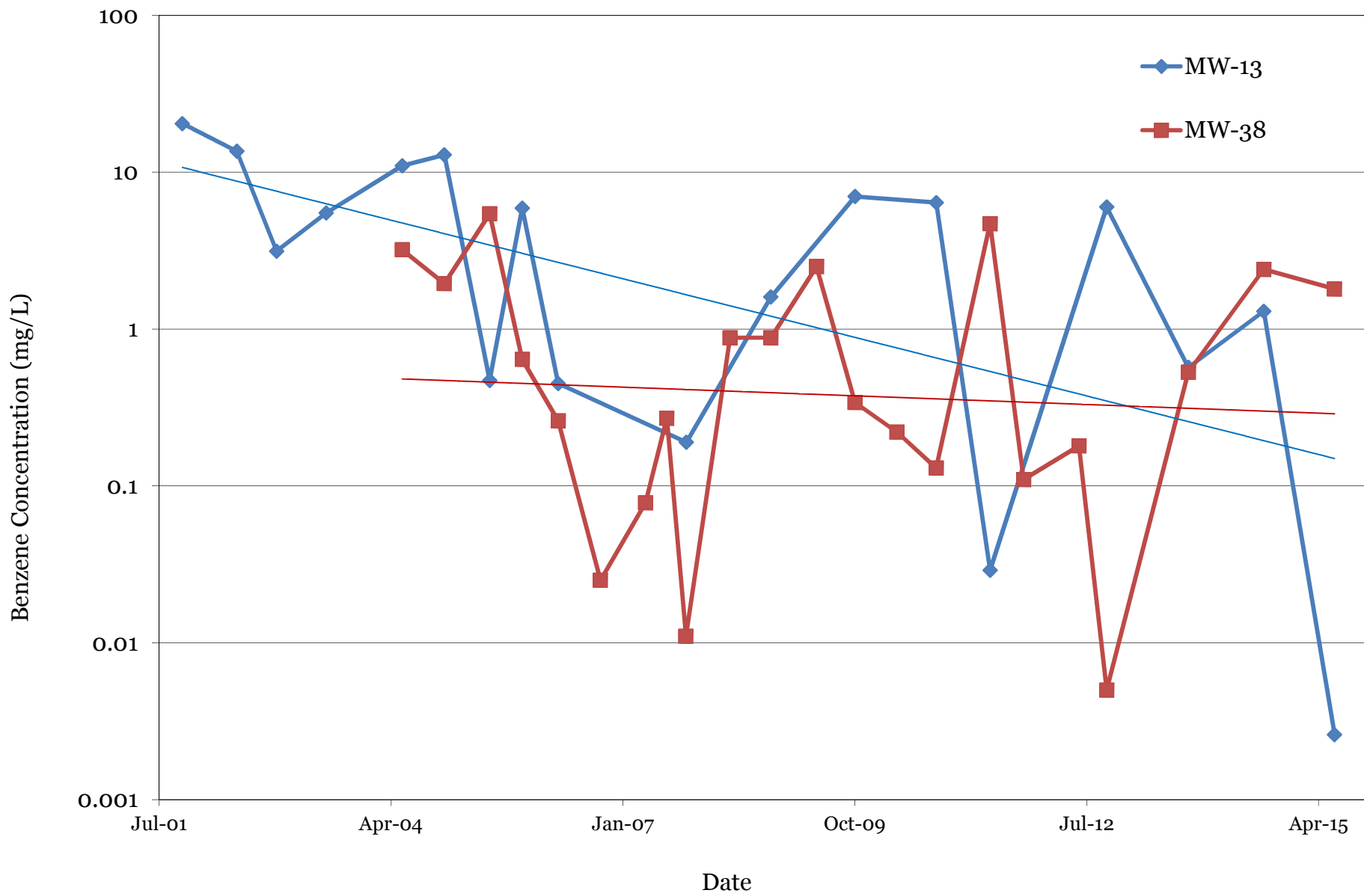
**Figure 6-1: Plume Wells-MW-19 and MW-35 Benzene Trend**



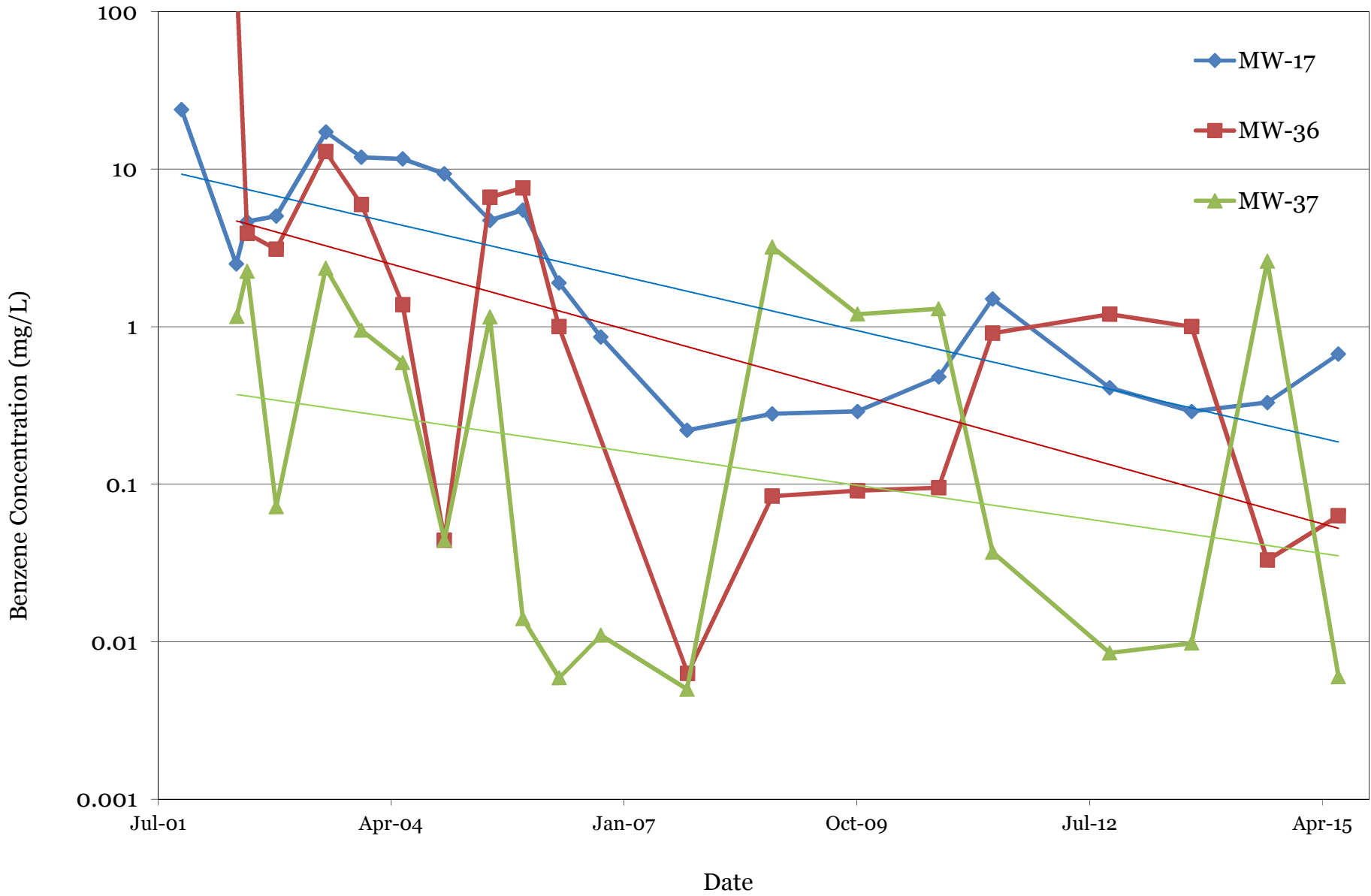
**Figure 6-2: Plume Wells-MW-27 and MW-34 Benzene Trend**



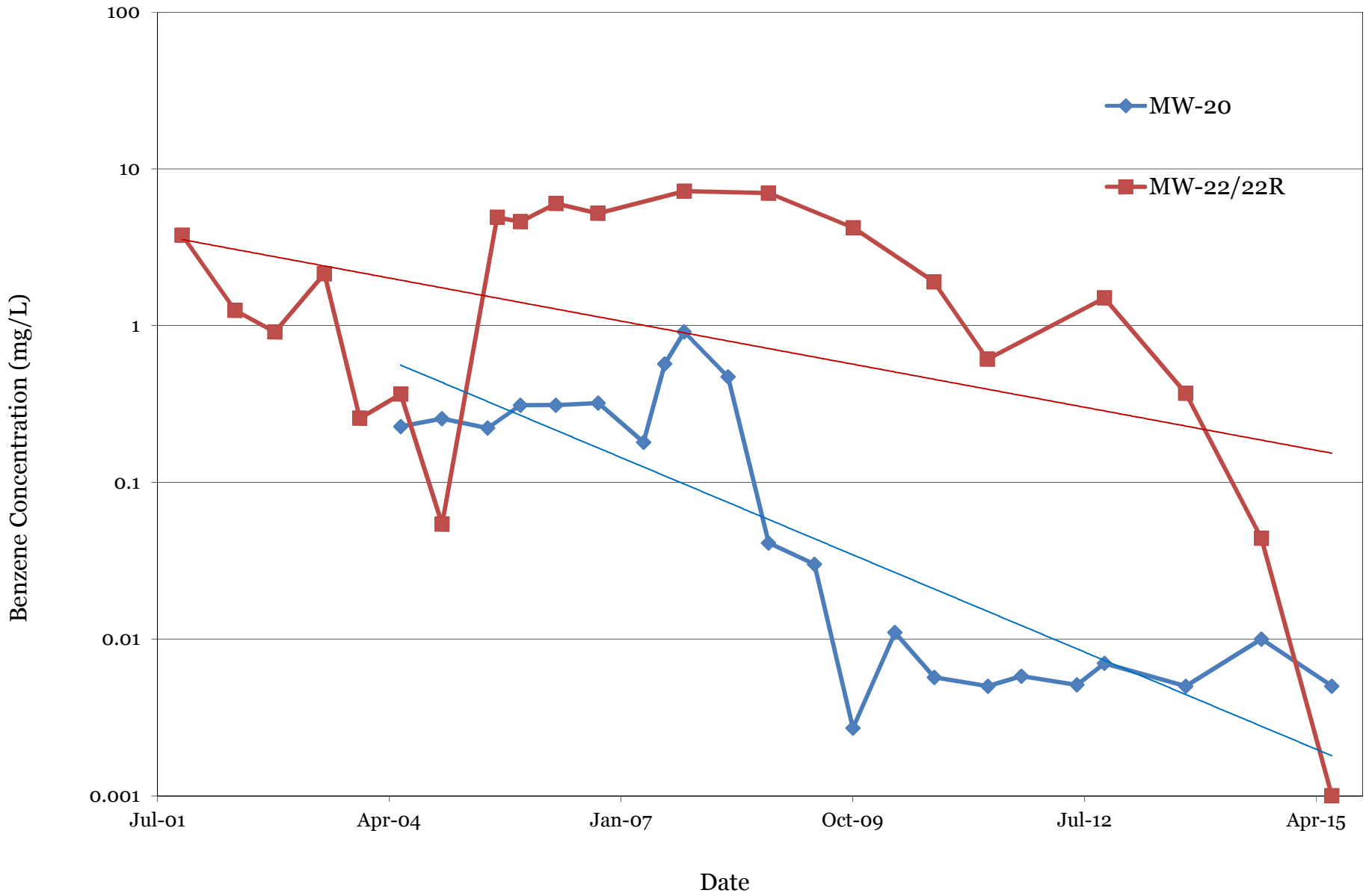
**Figure 6-3: Plume Wells-MW-13 and MW-38 Benzene Trend**



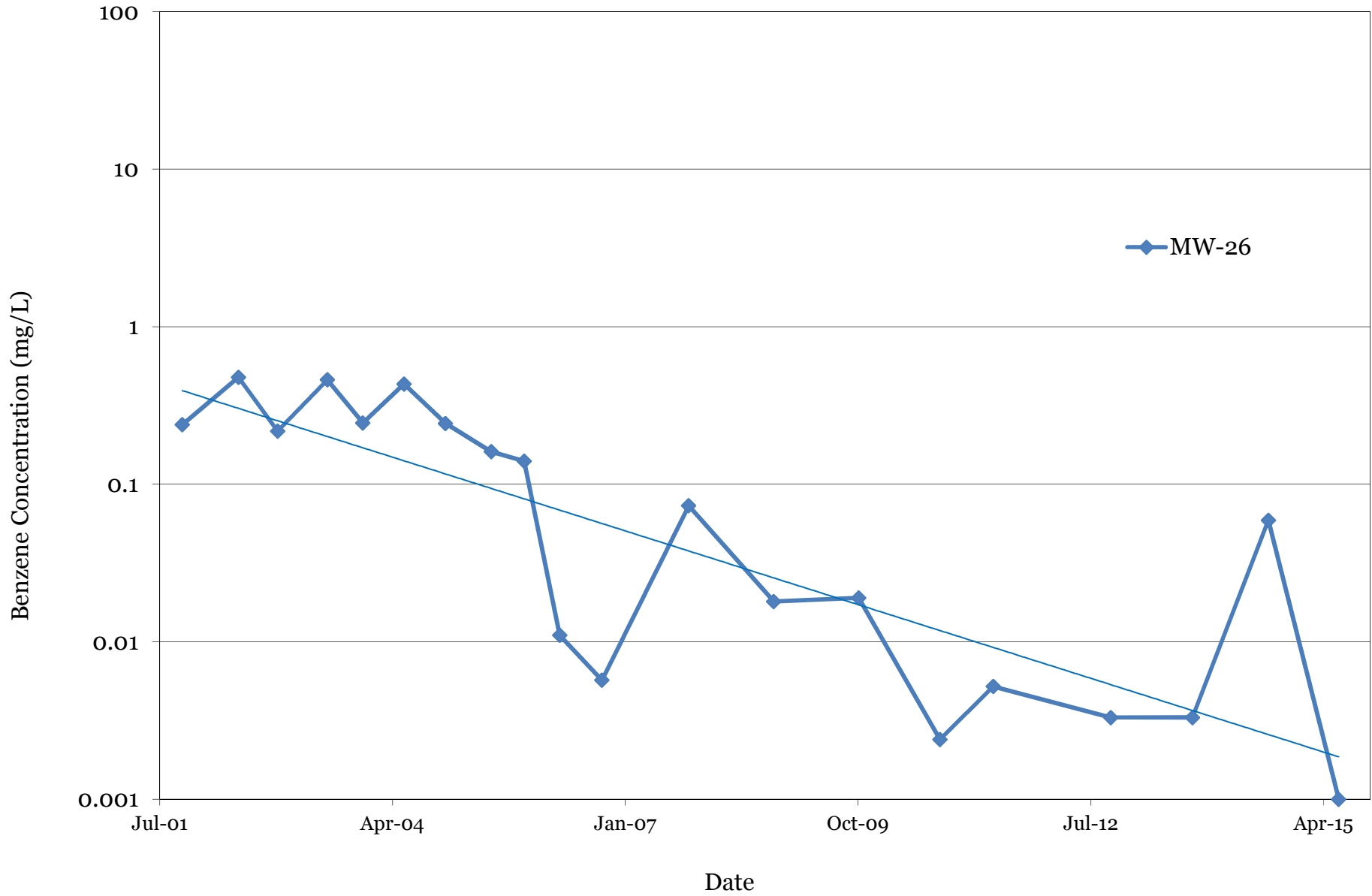
**Figure 6-4: Plume Wells-MW-17, MW-36, and MW-37 Benzene Trend**



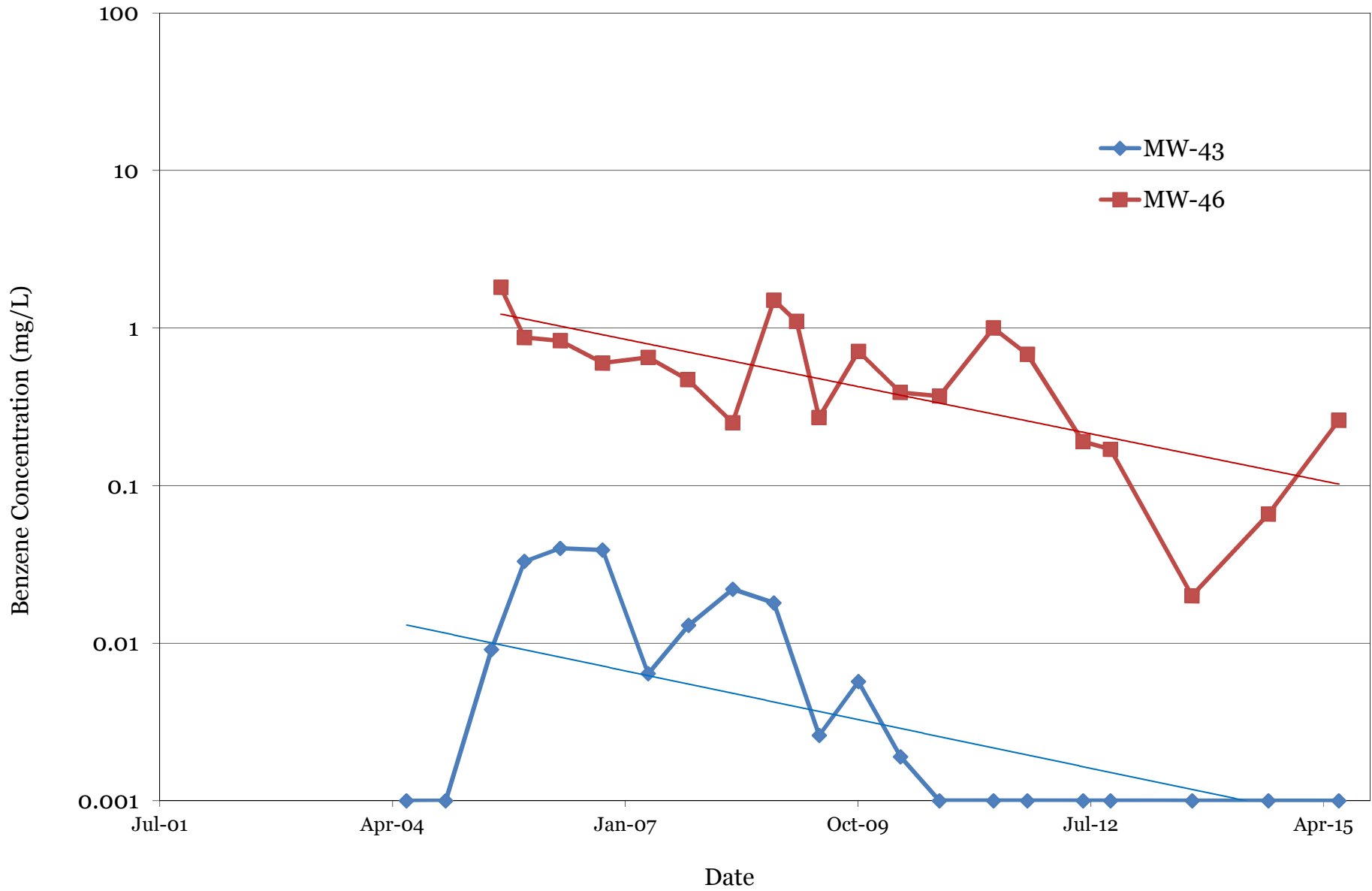
**Figure 6-5: Plume Wells-MW-20 and MW-22/22R Benzene Trend**



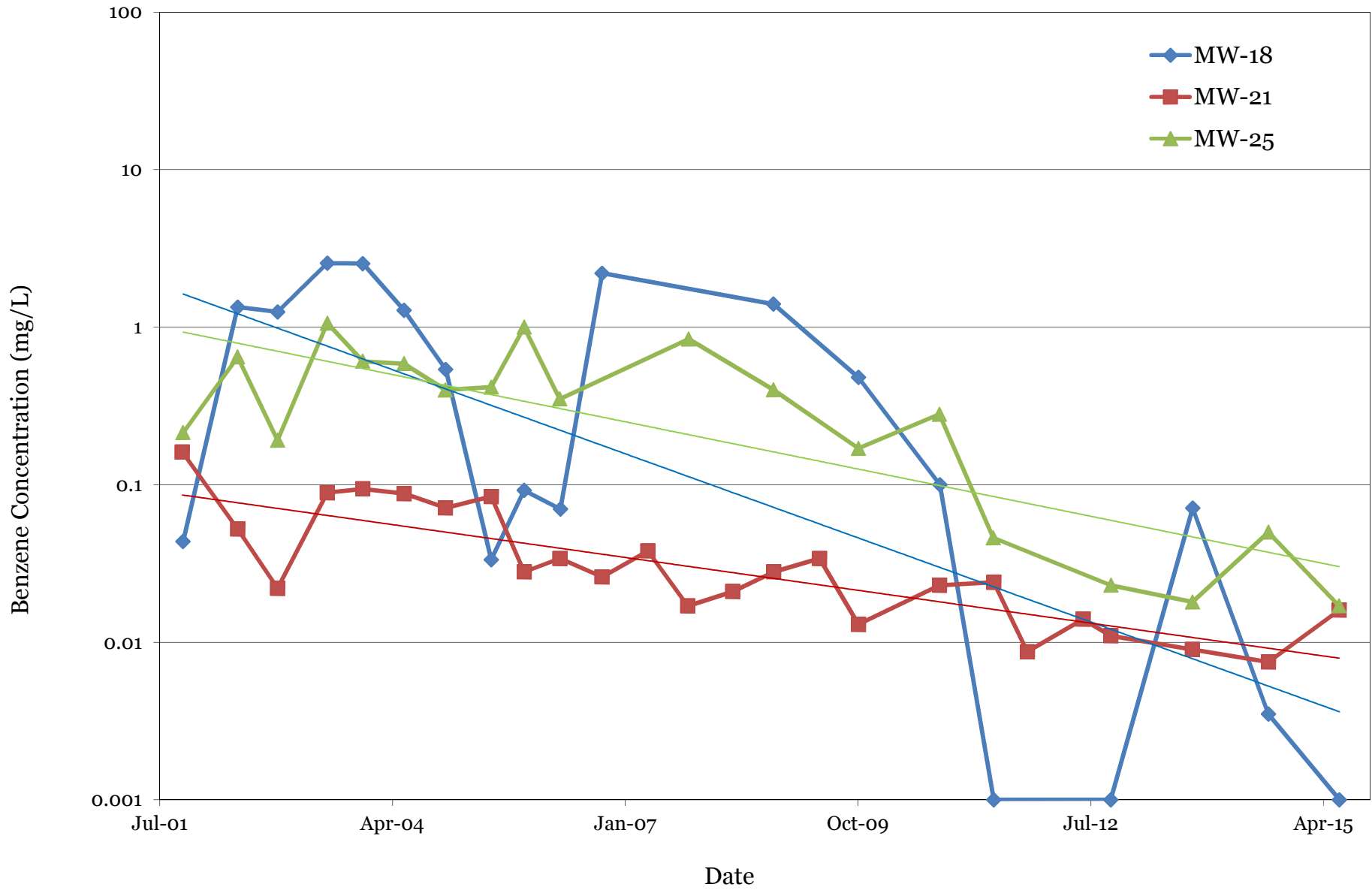
**Figure 6-6: Plume Well-MW-26 Benzene Trend**



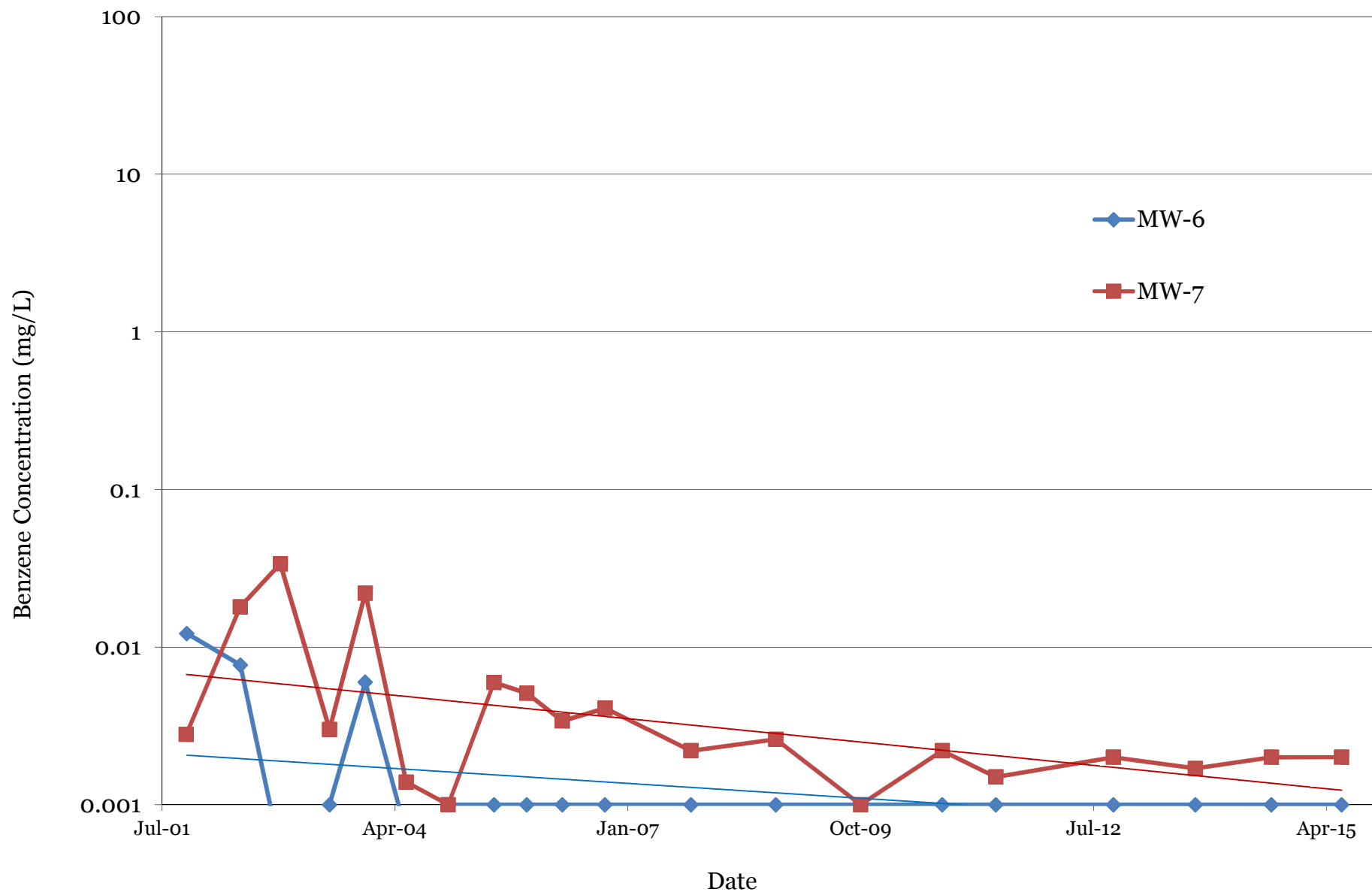
**Figure 7-1: Perimeter Wells-MW-43 and MW-46 Benzene Trend**



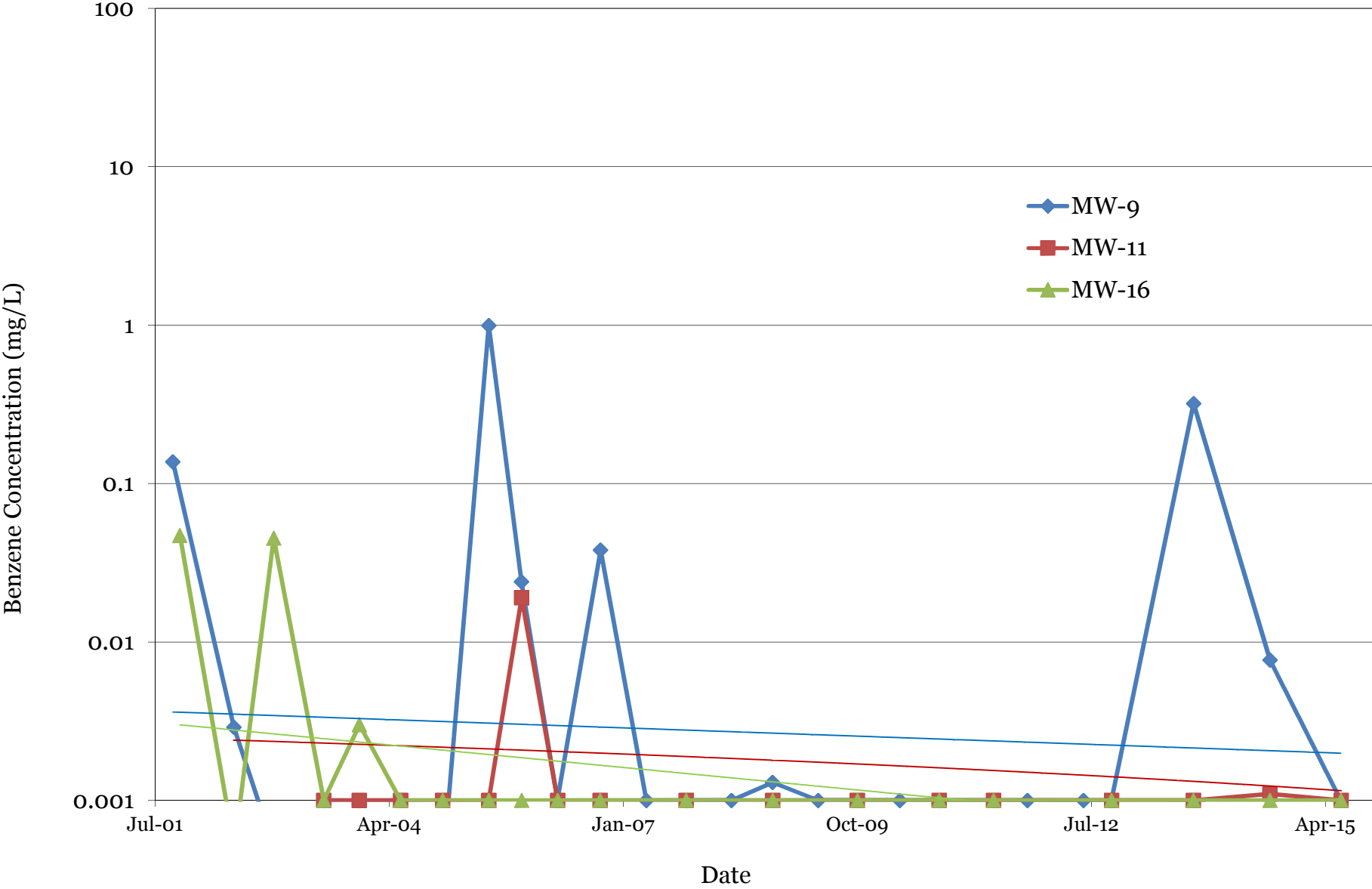
**Figure 7-2: Perimeter Wells-MW-18, MW-21, and MW-25 Benzene Trend**



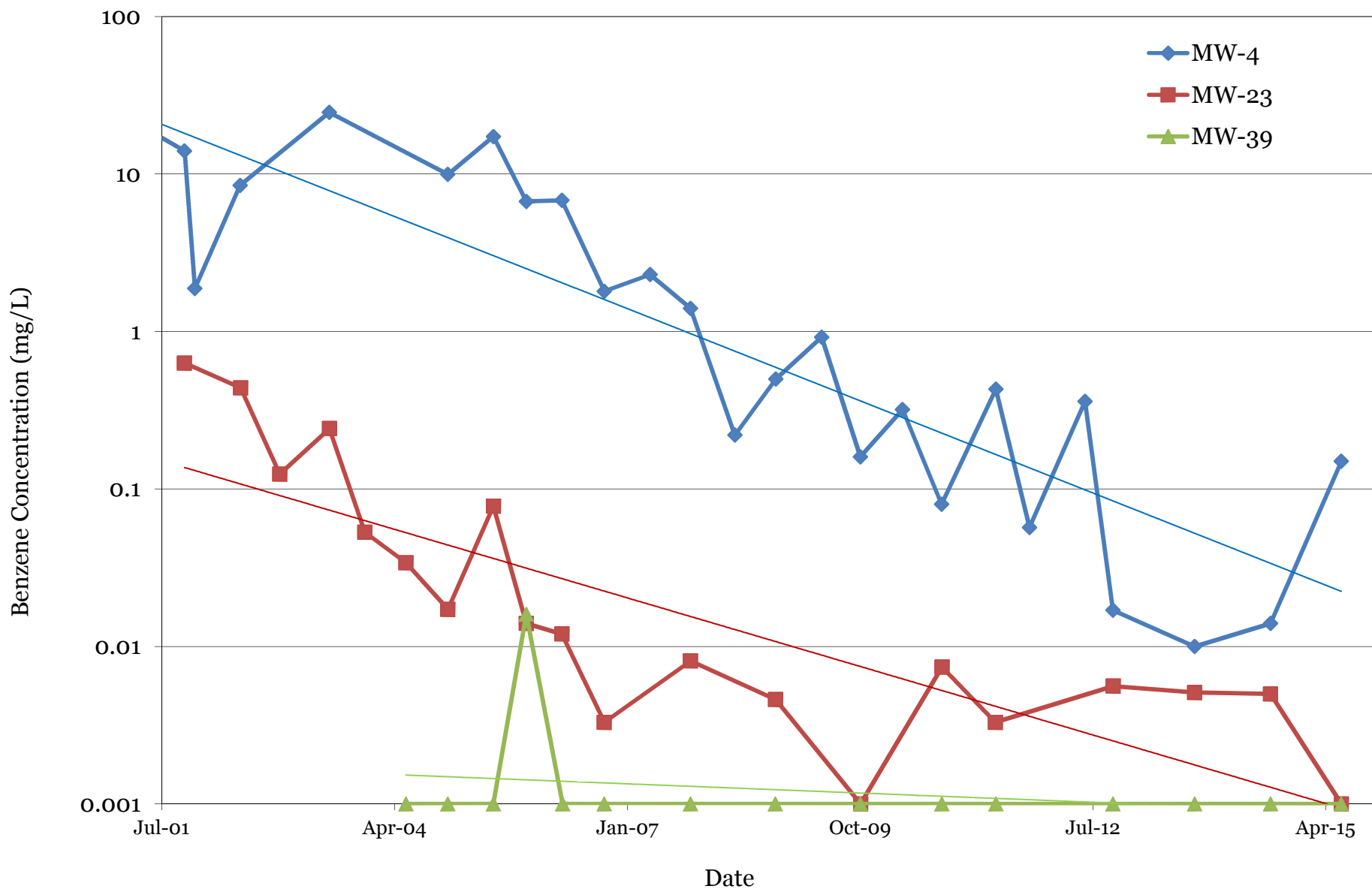
**Figure 7-3: Perimeter Wells-MW-6 and MW-7 Benzene Trend**



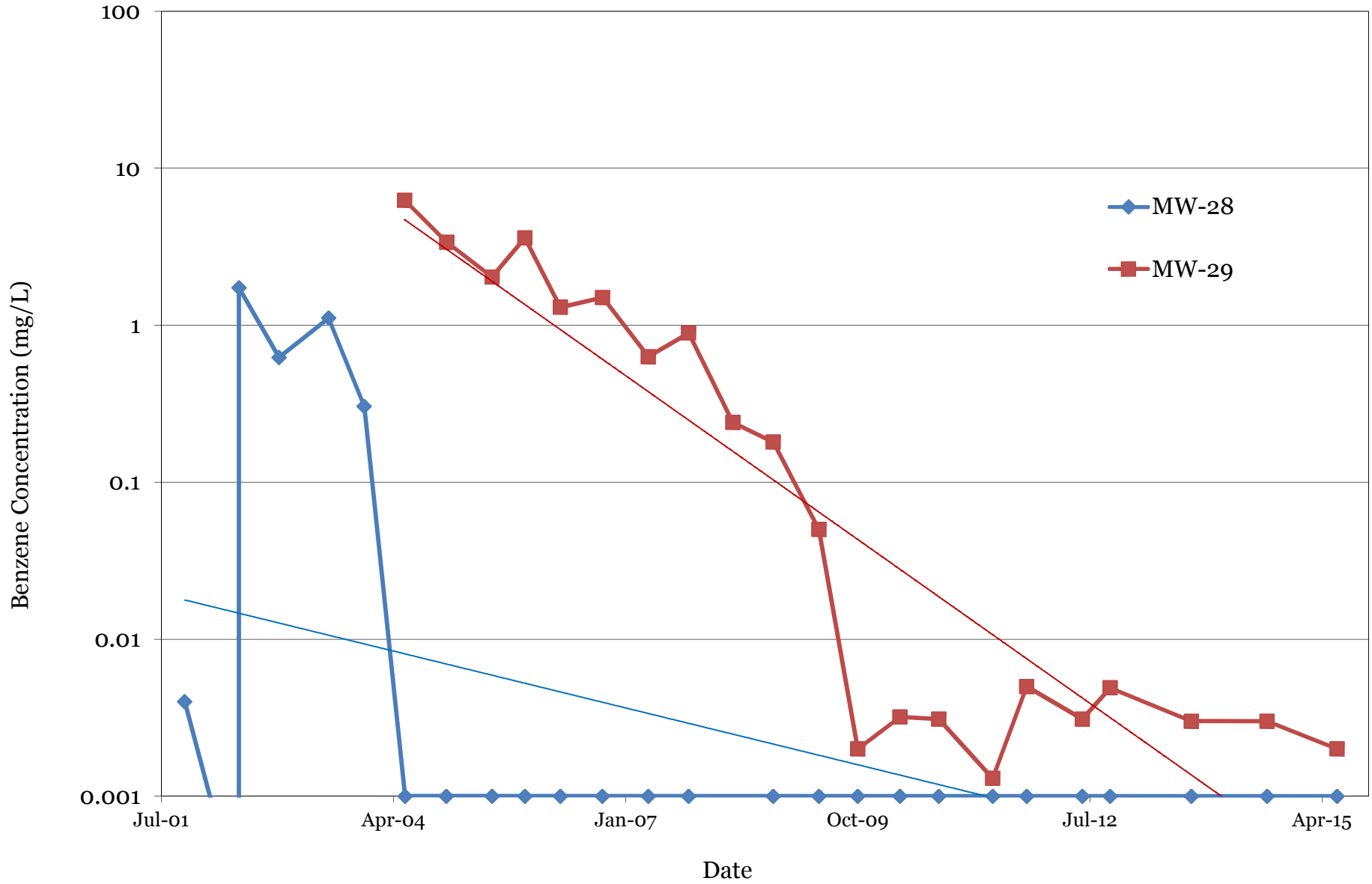
**Figure 7-4: Perimeter Wells-MW-9, MW-11, and MW-16 Benzene Trend**



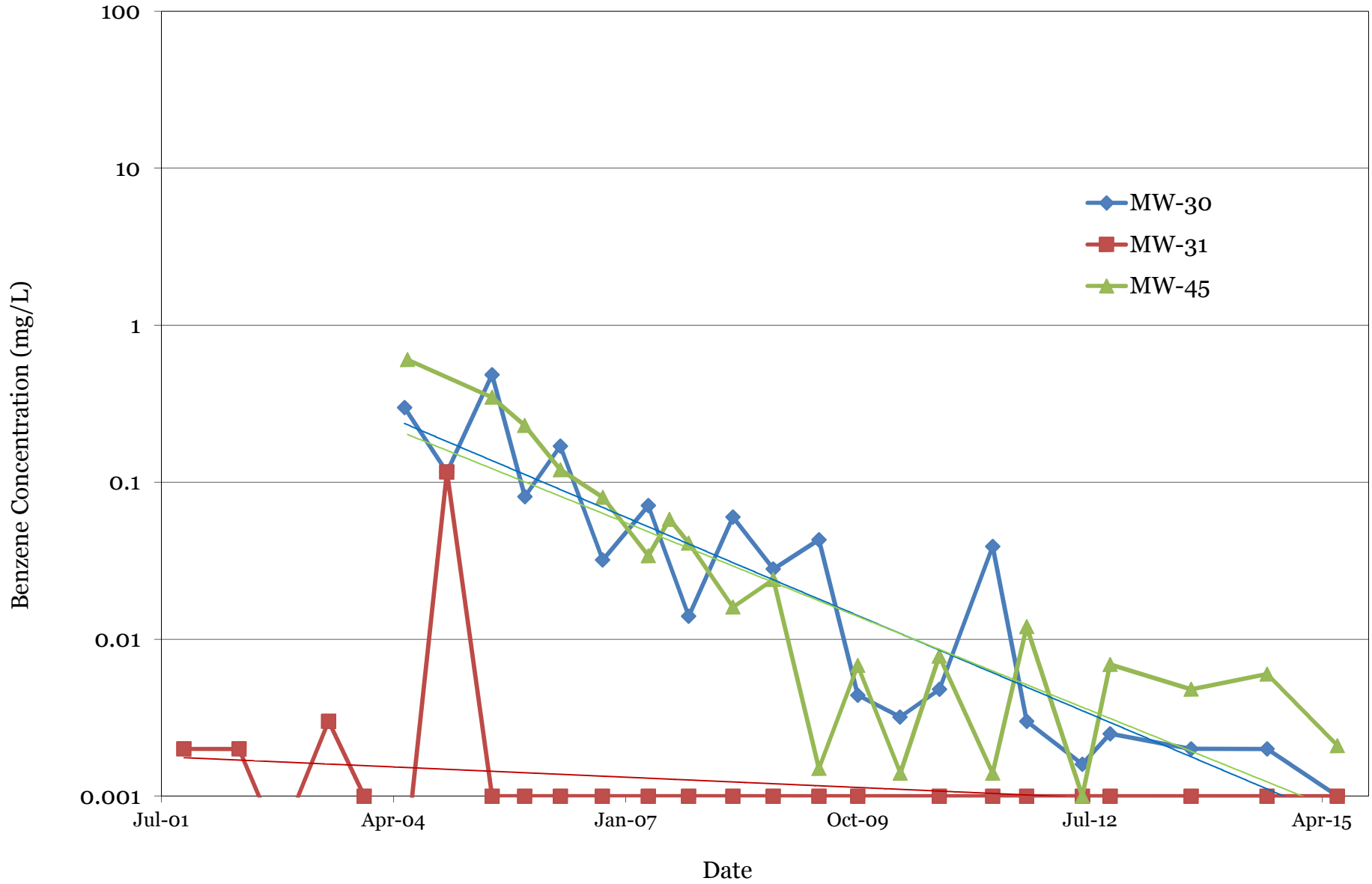
**Figure 7-5: Perimeter Wells-MW-4, MW-23, and MW-39 Benzene Trend**



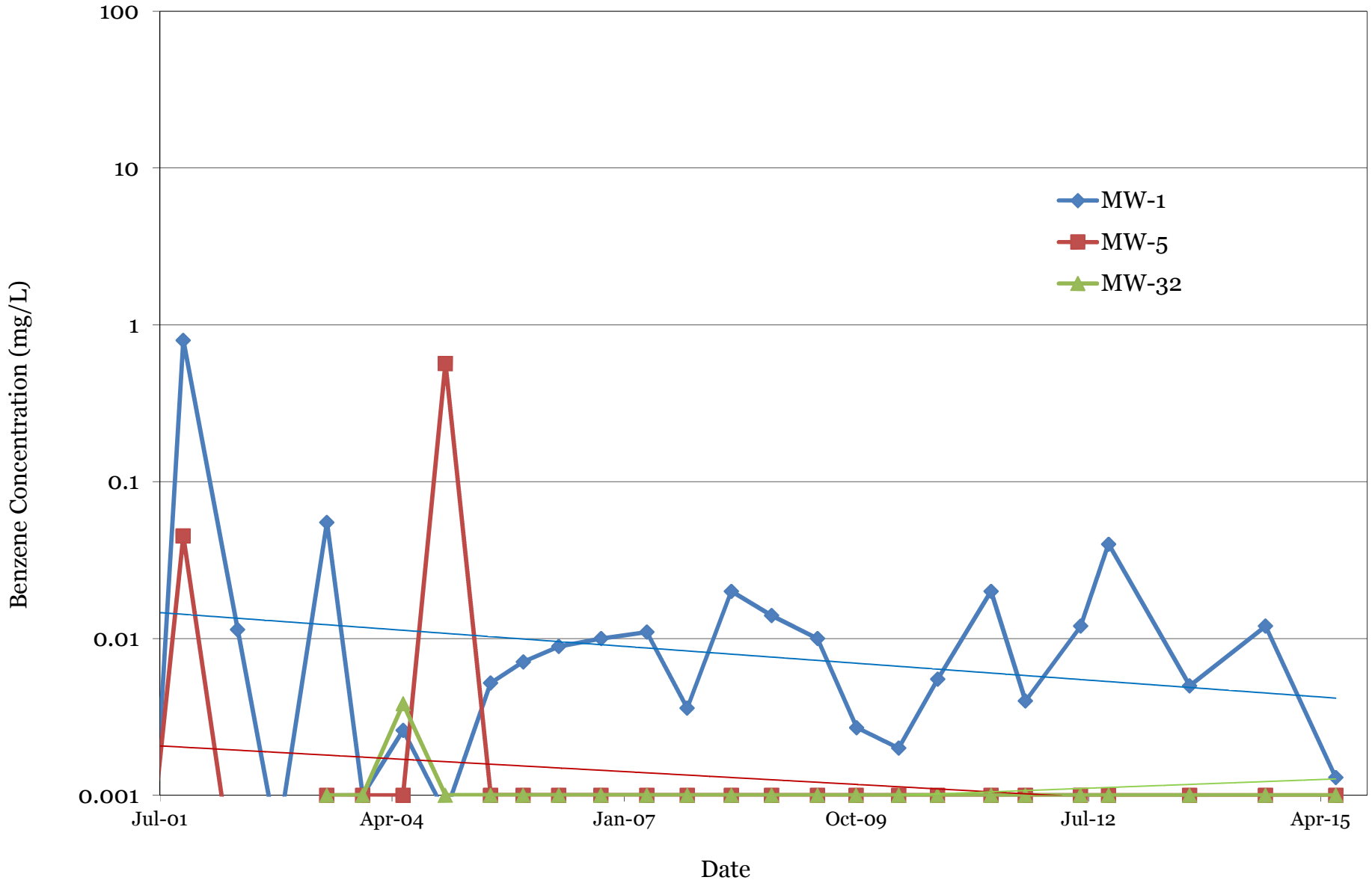
**Figure 7-6: Perimeter Wells-MW-28 and MW-29 Benzene Trend**



**Figure 8-1: Distal Wells-MW-30, MW-31, and MW-45 Benzene Trend**



**Figure 8-2: Distal Wells-MW-1, MW-5, and MW-32 Benzene Trend**



# **Appendix A**

## Laboratory Analytical Report

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

STANTEC Consulting, Inc.  
Suite 2-300  
2000 South Colorado Boulevard  
Denver CO 80222

June 26, 2015

### Project: Wilson Creek

Submittal Date: 06/16/2015  
Group Number: 1569394  
PO Number: 89CH.49557.08  
Release Number: WILSON CREEK  
State of Sample Origin: CO

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-1-061015 Grab Groundwater	7930299
MW-2-061115 Grab Groundwater	7930300
MW-4-061115 Grab Groundwater	7930301
MW-5-061015 Grab Groundwater	7930302
MW-6-060915 Grab Groundwater	7930303
MW-7-060915 Grab Groundwater	7930304
MW-9-060915 Grab Groundwater	7930305
MW-10-061215 Grab Groundwater	7930306
MW-11-061115 Grab Groundwater	7930307
MW-12-061215 Grab Groundwater	7930308
MW-13-061215 Grab Groundwater	7930309
MW-15-061115 Grab Groundwater	7930310
MW-16-061115 Grab Groundwater	7930311
MW-17-061215 Grab Groundwater	7930312
MW-18-061215 Grab Groundwater	7930313
MW-19-061115 Grab Groundwater	7930314
MW-20-061115 Grab Groundwater	7930315
MW-21-061115 Grab Groundwater	7930316
MW-22R-061115 Grab Groundwater	7930317
MW-23-061115 Grab Groundwater	7930318
MW-25-061115 Grab Groundwater	7930319
MW-26-060915 Grab Groundwater	7930320
MW-27-061115 Grab Groundwater	7930321
MW-28-060915 Grab Groundwater	7930322
MW-29-060915 Grab Groundwater	7930323
MW-30-061015 Grab Groundwater	7930324
MW-31-061015 Grab Groundwater	7930325
MW-32-061015 Grab Groundwater	7930326
MW-33-061015 Grab Groundwater	7930327
MW-34-061015 Grab Groundwater	7930328
MW-35-061215 Grab Groundwater	7930329

MW-36-061215 Grab Groundwater	7930330
MW-37-061215 Grab Groundwater	7930331
MW-38-061215 Grab Groundwater	7930332
MW-39-061115 Grab Groundwater	7930333
MW-40-061015 Grab Groundwater	7930334
MW-43-061015 Grab Groundwater	7930335
MW-44-061015 Grab Groundwater	7930336
MW-45-061015 Grab Groundwater	7930337
MW-46-061015 Grab Groundwater	7930338
SVE-1-061115 Grab Groundwater	7930339
SW-1-061215 Grab Surface Water	7930340
SW-2-061215 Grab Surface Water	7930341
POND-1-061215 Grab Surface Water	7930342
DUP-1-061115 Grab Groundwater	7930343
DUP-2-060915 Grab Groundwater	7930344
DUP-3-061015 Grab Groundwater	7930345
DUP-4-061115 Grab Groundwater	7930346
DUP-5-061215 Grab Groundwater	7930347
Trip Blank Water	7930348
Trip Blank Water	7930349

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

ELECTRONIC      STANTEC Consulting, Inc.  
COPY TO

Attn: Christopher Beall

Respectfully Submitted,



Wendy A. Kozma  
Principal Specialist Group Leader

(717) 556-7257

Sample Description: MW-1-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930299  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 11:35 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL01

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	1.3	1.0	1
02102	Ethylbenzene	100-41-4	1.1	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 2.9	2.9	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 13:04	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 13:04	Marie D Beamenderfer	1

Sample Description: MW-2-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930300  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 13:55 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WIL02

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 6.2	6.2	5
02102	Ethylbenzene	100-41-4	5.3	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 8.2	8.2	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 14:46	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 14:46	Marie D Beamenderfer	5

Sample Description: MW-4-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930301  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 13:00 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL04

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	150	5.0	5
02102	Ethylbenzene	100-41-4	8.4	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 7.2	7.2	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 15:12	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 15:12	Marie D Beamenderfer	5

Sample Description: MW-5-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930302  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 10:15 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 14:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 14:09	Marie D Beamenderfer	1

Sample Description: MW-6-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930303  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 13:20 by AS

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Submitted: 06/16/2015 09:25

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Denver CO 80222

WIL06

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 16:29	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 16:29	Brett W Kenyon	1

Sample Description: MW-7-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930304  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 13:00 by AS

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Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL07

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 2.0	2.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 5.0	5.0	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 16:54	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 16:54	Brett W Kenyon	1

Sample Description: MW-9-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930305  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 15:30 by AS

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL09

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 17:20	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 17:20	Brett W Kenyon	1

Sample Description: MW-10-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930306  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 08:15 by AS

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Denver CO 80222

WIL10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	11,000	100	100
02102	Ethylbenzene	100-41-4	1,500	100	100
02102	Toluene	108-88-3	480	100	100
02102	Total Xylenes	1330-20-7	8,000	100	100

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15175A53A	06/24/2015 19:13	Marie D Beamenderfer	100
01146	GC VOA Water Prep	SW-846 5030B	1	15175A53A	06/24/2015 19:13	Marie D Beamenderfer	100

Sample Description: MW-11-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930307  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 09:35 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

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WIL11

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 14:35	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 14:35	Marie D Beamenderfer	1

Sample Description: MW-12-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930308  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 09:00 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL12

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	1,700	10	10
02102	Ethylbenzene	100-41-4	1.7	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	2.3	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A53A	06/23/2015 22:38	Marie D Beamenderfer	10
02102	Method 8021 Water Master	SW-846 8021B	1	15175A53A	06/24/2015 17:50	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A53A	06/23/2015 22:38	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	2	15175A53A	06/24/2015 17:50	Marie D Beamenderfer	1

Sample Description: MW-13-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930309  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

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WIL13

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	2.6	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 63	63	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A53A	06/23/2015 18:55	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A53A	06/23/2015 18:55	Brett W Kenyon	1

Sample Description: MW-15-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930310  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

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WIL15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	3.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	2.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 15:01	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 15:01	Marie D Beamenderfer	1

Sample Description: MW-16-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930311  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 09:15 by AS

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Reported: 06/26/2015 14:15

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WIL16

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 07:58	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 07:58	Marie D Beamenderfer	1

Sample Description: MW-17-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930312  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 10:20 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

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WIL17

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	670	5.0	5
02102	Ethylbenzene	100-41-4	6.2	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 8.5	8.5	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A53A	06/23/2015 23:05	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15173A53A	06/23/2015 23:05	Marie D Beamenderfer	5

Sample Description: MW-18-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930313  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 10:00 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL18

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.2	1.2	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A53A	06/23/2015 19:23	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A53A	06/23/2015 19:23	Brett W Kenyon	1

Sample Description: MW-19-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930314  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 14:35 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL19

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	290	10	10
02102	Ethylbenzene	100-41-4	130	10	10
02102	Toluene	108-88-3	< 10	10	10
02102	Total Xylenes	1330-20-7	230	10	10

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 15:37	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 15:37	Marie D Beamenderfer	10

Sample Description: MW-20-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930315  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

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Denver CO 80222

WIL20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 5.0	5.0	5
02102	Ethylbenzene	100-41-4	< 5.0	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 9.0	9.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 13:30	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 13:30	Marie D Beamenderfer	5

Sample Description: MW-21-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930316  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 13:40 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL21

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	16	5.0	5
02102	Ethylbenzene	100-41-4	6.1	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 9.0	9.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 13:56	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 13:56	Marie D Beamenderfer	5

Sample Description: MW-22R-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930317  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 11:15 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL22

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	3.6	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 6.6	6.6	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 08:24	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 08:24	Marie D Beamenderfer	1

Sample Description: MW-23-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930318  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 11:45 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL23

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 2.2	2.2	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 08:50	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 08:50	Marie D Beamenderfer	1

Sample Description: MW-25-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930319  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 10:25 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

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WIL25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	17	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 3.8	3.8	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 09:15	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 09:15	Marie D Beamenderfer	1

Sample Description: MW-26-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930320  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 15:05 by AS

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Denver CO 80222

WIL26

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 3.0	3.0	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 17:45	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 17:45	Brett W Kenyon	1

Sample Description: MW-27-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930321  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 15:05 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL27

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	350	5.0	5
02102	Ethylbenzene	100-41-4	87	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 210	210	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15175A53A	06/24/2015 19:41	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15175A53A	06/24/2015 19:41	Marie D Beamenderfer	5

Sample Description: MW-28-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930322  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 14:20 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL28

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 18:11	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 18:11	Brett W Kenyon	1

Sample Description: MW-29-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930323  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 14:35 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WIL29

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 2.0	2.0	1
02102	Ethylbenzene	100-41-4	1.7	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 6.0	6.0	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 19:02	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 19:02	Brett W Kenyon	1

Sample Description: MW-30-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930324  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 11:15 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL30

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.9	1.9	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 15:26	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 15:26	Marie D Beamenderfer	1

Sample Description: MW-31-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930325  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 10:35 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL31

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 15:52	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 15:52	Marie D Beamenderfer	1

Sample Description: MW-32-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930326  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 09:55 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL32

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 16:17	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 16:17	Marie D Beamenderfer	1

Sample Description: MW-33-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930327  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 15:15 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

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Denver CO 80222

WIL33

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	3.6	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.8	1.8	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 17:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 17:09	Marie D Beamenderfer	1

Sample Description: MW-34-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930328  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 15:40 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

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Denver CO 80222

WIL34

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	1,100	100	100
02102	Ethylbenzene	100-41-4	300	100	100
02102	Toluene	108-88-3	< 100	100	100
02102	Total Xylenes	1330-20-7	2,900	100	100

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 19:42	Marie D Beamenderfer	100
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 19:42	Marie D Beamenderfer	100

Sample Description: MW-35-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930329  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 08:35 by AS

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Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL35

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	3,700	20	20
02102	Ethylbenzene	100-41-4	730	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	1,300	5.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 14:22	Brett W Kenyon	20
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94C	06/26/2015 12:06	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 14:22	Brett W Kenyon	20
01146	GC VOA Water Prep	SW-846 5030B	2	15174C94C	06/26/2015 12:06	Brett W Kenyon	5

Sample Description: MW-36-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930330  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 10:40 by AS

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Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL36

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	63	5.0	5
02102	Ethylbenzene	100-41-4	7.2	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 7.0	7.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 16:04	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 16:04	Marie D Beamenderfer	5

Sample Description: MW-37-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930331  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 11:00 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL37

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 6.0	6.0	5
02102	Ethylbenzene	100-41-4	< 5.0	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 7.0	7.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 16:30	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 16:30	Marie D Beamenderfer	5

Sample Description: MW-38-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930332  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 09:45 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL38

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	1,800	5.0	5
02102	Ethylbenzene	100-41-4	2.7	2.0	2
02102	Toluene	108-88-3	< 2.0	2.0	2
02102	Total Xylenes	1330-20-7	7.7	2.0	2

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 14:47	Brett W Kenyon	5
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94C	06/26/2015 12:31	Brett W Kenyon	2
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 14:47	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	2	15174C94C	06/26/2015 12:31	Brett W Kenyon	2

Sample Description: MW-39-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930333  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 10:00 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL39

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A53A	06/23/2015 19:51	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A53A	06/23/2015 19:51	Brett W Kenyon	1

Sample Description: MW-40-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930334  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 13:25 by AS

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Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL40

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	2,300	50	50
02102	Ethylbenzene	100-41-4	1,200	50	50
02102	Toluene	108-88-3	210	50	50
02102	Total Xylenes	1330-20-7	5,700	50	50

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 20:07	Marie D Beamenderfer	50
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 20:07	Marie D Beamenderfer	50

Sample Description: MW-43-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930335  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 13:10 by AS

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Submitted: 06/16/2015 09:25

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Reported: 06/26/2015 14:15

Denver CO 80222

WIL43

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 17:34	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 17:34	Marie D Beamenderfer	1

Sample Description: MW-44-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930336  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 14:05 by AS

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Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL44

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	25	1.0	1
02102	Ethylbenzene	100-41-4	4.8	1.0	1
02102	Toluene	108-88-3	2.1	1.0	1
02102	Total Xylenes	1330-20-7	8.1	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 18:00	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 18:00	Marie D Beamenderfer	1

Sample Description: MW-45-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930337  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 10:50 by AS

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Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL45

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	2.1	1.0	1
02102	Ethylbenzene	100-41-4	1.2	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 3.6	3.6	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 18:25	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 18:25	Marie D Beamenderfer	1

Sample Description: MW-46-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930338  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 14:55 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WIL46

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	260	1.0	1
02102	Ethylbenzene	100-41-4	9.3	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	2.5	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 18:51	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 18:51	Marie D Beamenderfer	1

Sample Description: SVE-1-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930339  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 14:45 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WILS1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	1,900	20	20
02102	Ethylbenzene	100-41-4	910	20	20
02102	Toluene	108-88-3	< 20	20	20
02102	Total Xylenes	1330-20-7	2,100	20	20

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 16:28	Marie D Beamenderfer	20
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 16:28	Marie D Beamenderfer	20

Sample Description: SW-1-061215 Grab Surface Water  
Wilson Creek

LL Sample # WW 7930340  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 08:36 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILS2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	2.1	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

A preserved vial was submitted for analysis. However, the pH at the time of analysis was 4.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94A	06/24/2015 18:38	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94A	06/24/2015 18:38	Brett W Kenyon	1

Sample Description: SW-2-061215 Grab Surface Water  
Wilson Creek

LL Sample # WW 7930341  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 11:15 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WILS3

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	2.1	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94A	06/24/2015 19:03	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94A	06/24/2015 19:03	Brett W Kenyon	1

Sample Description: POND-1-061215 Grab Surface Water  
Wilson Creek

LL Sample # WW 7930342  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 11:20 by AS

STANTEC Consulting, Inc.

Suite 2-300

Submitted: 06/16/2015 09:25

2000 South Colorado Boulevard

Reported: 06/26/2015 14:15

Denver CO 80222

WILP1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94A	06/24/2015 19:29	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94A	06/24/2015 19:29	Brett W Kenyon	1

Sample Description: DUP-1-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930343  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILD1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	5.7	5.0	5
02102	Ethylbenzene	100-41-4	< 5.0	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	< 8.6	8.6	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15175A53A	06/24/2015 20:09	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15175A53A	06/24/2015 20:09	Marie D Beamenderfer	5

Sample Description: DUP-2-060915 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930344  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILD2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 2.0	2.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 5.0	5.0	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 18:36	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 18:36	Brett W Kenyon	1

Sample Description: DUP-3-061015 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930345  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/10/2015 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILD3

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	29	1.0	1
02102	Ethylbenzene	100-41-4	3.2	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 6.7	6.7	1

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15173A94A	06/22/2015 14:21	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15173A94A	06/22/2015 14:21	Marie D Beamenderfer	1

Sample Description: DUP-4-061115 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930346  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/11/2015 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILD4

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	240	5.0	5
02102	Ethylbenzene	100-41-4	120	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	220	5.0	5

Reporting limits were raised due to interference from the sample matrix.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15175A53B	06/25/2015 11:46	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15175A53B	06/25/2015 11:46	Marie D Beamenderfer	5

Sample Description: DUP-5-061215 Grab Groundwater  
Wilson Creek

LL Sample # WW 7930347  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/12/2015 by AS

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILD5

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	9,800	100	100
02102	Ethylbenzene	100-41-4	1,400	100	100
02102	Toluene	108-88-3	370	100	100
02102	Total Xylenes	1330-20-7	7,300	100	100

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15174C94B	06/25/2015 15:13	Marie D Beamenderfer	100
01146	GC VOA Water Prep	SW-846 5030B	1	15174C94B	06/25/2015 15:13	Marie D Beamenderfer	100

Sample Description: Trip Blank Water  
Wilson Creek

LL Sample # WW 7930348  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILT1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169A94A	06/18/2015 12:39	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169A94A	06/18/2015 12:39	Brett W Kenyon	1

Sample Description: Trip Blank Water  
Wilson Creek

LL Sample # WW 7930349  
LL Group # 1569394  
Account # 11842

Project Name: Wilson Creek

Collected: 06/09/2015

STANTEC Consulting, Inc.

Submitted: 06/16/2015 09:25

Suite 2-300

Reported: 06/26/2015 14:15

2000 South Colorado Boulevard  
Denver CO 80222

WILT2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>GC Volatiles</b>		<b>SW-846 8021B</b>	<b>ug/l</b>	<b>ug/l</b>	
02102	Benzene	71-43-2	< 1.0	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 1.0	1.0	1

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02102	Method 8021 Water Master	SW-846 8021B	1	15169B94A	06/21/2015 12:53	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15169B94A	06/21/2015 12:53	Marie D Beamenderfer	1

## Quality Control Summary

Client Name: STANTEC Consulting, Inc.  
Reported: 06/26/2015 14:15

Group Number: 1569394

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 15169A94A	Sample number(s): 7930303-7930305, 7930320, 7930322-7930323, 7930344, 7930348							
Benzene	< 1.0	1.0	ug/l	100	98	80-120	2	30
Ethylbenzene	< 1.0	1.0	ug/l	100	98	80-120	2	30
Toluene	< 1.0	1.0	ug/l	101	101	80-120	1	30
Total Xylenes	< 1.0	1.0	ug/l	102	102	80-120	0	30
Batch number: 15169B94A	Sample number(s): 7930302, 7930307, 7930310, 7930324-7930328, 7930334-7930338, 7930349							
Benzene	< 1.0	1.0	ug/l	98	97	80-120	1	30
Ethylbenzene	< 1.0	1.0	ug/l	100	98	80-120	2	30
Toluene	< 1.0	1.0	ug/l	101	99	80-120	2	30
Total Xylenes	< 1.0	1.0	ug/l	103	101	80-120	2	30
Batch number: 15173A53A	Sample number(s): 7930308-7930309, 7930312-7930313, 7930333							
Benzene	< 1.0	1.0	ug/l	102	99	80-120	4	30
Ethylbenzene	< 1.0	1.0	ug/l	102	99	80-120	4	30
Toluene	< 1.0	1.0	ug/l	102	99	80-120	3	30
Total Xylenes	< 1.0	1.0	ug/l	107	103	80-120	4	30
Batch number: 15173A94A	Sample number(s): 7930299-7930301, 7930311, 7930314, 7930317-7930319, 7930339, 7930345							
Benzene	< 1.0	1.0	ug/l	98	96	80-120	2	30
Ethylbenzene	< 1.0	1.0	ug/l	100	99	80-120	1	30
Toluene	< 1.0	1.0	ug/l	101	101	80-120	0	30
Total Xylenes	< 1.0	1.0	ug/l	103	103	80-120	0	30
Batch number: 15174C94A	Sample number(s): 7930340-7930342							
Benzene	< 1.0	1.0	ug/l	99		80-120		
Ethylbenzene	< 1.0	1.0	ug/l	102		80-120		
Toluene	< 1.0	1.0	ug/l	103		80-120		
Total Xylenes	< 1.0	1.0	ug/l	106		80-120		
Batch number: 15174C94B	Sample number(s): 7930315-7930316, 7930329-7930332, 7930347							
Benzene	< 1.0	1.0	ug/l	99		80-120		
Ethylbenzene	< 1.0	1.0	ug/l	102		80-120		
Toluene	< 1.0	1.0	ug/l	103		80-120		
Total Xylenes	< 1.0	1.0	ug/l	106		80-120		
Batch number: 15174C94C	Sample number(s): 7930329, 7930332							
Ethylbenzene	< 1.0	1.0	ug/l	102		80-120		
Toluene	< 1.0	1.0	ug/l	103		80-120		
Total Xylenes	< 1.0	1.0	ug/l	106		80-120		
Batch number: 15175A53A	Sample number(s): 7930306, 7930308, 7930321, 7930343							

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: STANTEC Consulting, Inc.  
Reported: 06/26/2015 14:15

Group Number: 1569394

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Benzene	< 1.0	1.0	ug/l	99	102	80-120	3	30
Ethylbenzene	< 1.0	1.0	ug/l	99	101	80-120	3	30
Toluene	< 1.0	1.0	ug/l	99	101	80-120	2	30
Total Xylenes	< 1.0	1.0	ug/l	103	106	80-120	2	30
Batch number: 15175A53B Sample number(s): 7930346								
Benzene	< 1.0	1.0	ug/l	99	102	80-120	3	30
Ethylbenzene	< 1.0	1.0	ug/l	99	101	80-120	3	30
Toluene	< 1.0	1.0	ug/l	99	101	80-120	2	30
Total Xylenes	< 1.0	1.0	ug/l	103	106	80-120	2	30

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 15174C94A Sample number(s): 7930340-7930342 UNSPK: P934190									
Benzene	103	104	84-126	1	30				
Ethylbenzene	107	109	80-133	2	30				
Toluene	107	108	80-133	1	30				
Total Xylenes	112	112	80-132	1	30				
Batch number: 15174C94B Sample number(s): 7930315-7930316,7930329-7930332,7930347 UNSPK: P934190									
Benzene	103	104	84-126	1	30				
Ethylbenzene	107	109	80-133	2	30				
Toluene	107	108	80-133	1	30				
Total Xylenes	112	112	80-132	1	30				
Batch number: 15174C94C Sample number(s): 7930329,7930332 UNSPK: P934190									
Ethylbenzene	107	109	80-133	2	30				
Toluene	107	108	80-133	1	30				
Total Xylenes	112	112	80-132	1	30				

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master  
Batch number: 15169A94A

Trifluorotoluene-P	
7930303	87
7930304	86
7930305	87
7930320	79
7930322	85
7930323	79
7930344	85

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: STANTEC Consulting, Inc.  
Reported: 06/26/2015 14:15

Group Number: 1569394

### Surrogate Quality Control

7930348 86  
Blank 86  
LCS 85  
LCSD 86

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15169B94A

Trifluorotoluene-P

7930302 86  
7930307 86  
7930310 79  
7930324 85  
7930325 86  
7930326 85  
7930327 85  
7930328 83  
7930334 84  
7930335 85  
7930336 55  
7930337 71  
7930338 77  
7930349 87  
Blank 88  
LCS 85  
LCSD 86

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15173A53A

Trifluorotoluene-P

7930309 96  
7930312 84  
7930313 99  
7930333 99  
Blank 100  
LCS 99  
LCSD 99

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15173A94A

Trifluorotoluene-P

7930299 59  
7930300 70  
7930301 68  
7930311 85  
7930314 76  
7930317 71  
7930318 84  
7930319 82  
7930339 70  
7930345 71  
Blank 85  
LCS 84  
LCSD 85

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: STANTEC Consulting, Inc.  
Reported: 06/26/2015 14:15

Group Number: 1569394

### Surrogate Quality Control

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15174C94A  
Trifluorotoluene-P

7930340	84
7930341	86
7930342	85
Blank	86
LCS	85
MS	89
MSD	91

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15174C94B  
Trifluorotoluene-P

7930315	77
7930316	76
7930330	72
7930331	73
7930347	85
Blank	86
LCS	85
MS	89
MSD	91

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15174C94C  
Trifluorotoluene-P

7930329	83
7930332	75
Blank	86
LCS	85
MS	89
MSD	91

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15175A53A  
Trifluorotoluene-P

7930306	99
7930308	83
7930321	82
7930343	81
Blank	100
LCS	99
LCSD	99

Limits: 51-120

Analysis Name: Method 8021 Water Master  
Batch number: 15175A53B  
Trifluorotoluene-P

7930346	81
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\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: STANTEC Consulting, Inc.  
Reported: 06/26/2015 14:15

Group Number: 1569394

### Surrogate Quality Control

Blank	100
LCS	99
LCSD	99
Limits:	51-120

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.















# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and the  $<$  Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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