2013 Annual BTEX Groundwater Plume Monitoring and Sampling Report

Wilson Creek Unit
Rio Blanco County, Colorado

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

Submitted to:
Chris Canfield
State of Colorado Oil and Gas
Conservation Commission
707 Wapiti Court, Suite 204
Rifle, CO 81650

Prepared for:
Marcelo Barberis
Chevron Environmental
Management Company
1400 Smith St., Room 07084
Houston, TX 77002

Prepared by:
Stantec Consulting Services Inc.
2000 South Colorado Blvd.
Suite 2-300
Denver, CO 80222

March 21, 2014

Sign-off Sheet

This document entitled 2013 Annual BTEX Groundwater Plume Monitoring and Sampling Report was prepared by Stantec Consulting Services Inc. for the account of Chevron Environmental Management Company. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Prepared by  _____
(signature)

Christopher Beall, PG

Reviewed by  _____
(signature)

Marisa Kaffenberger, PE

Reviewed by  _____
(signature)

Thomas Fendler, PG

Approved by  _____
(signature)

Tom Madsen, PE

Table of Contents

LIST OF TABLES

LIST OF FIGURES

Note: Tables and Figures appear at the end of the report.

LIST OF APPENDICES

1.0 Site Background

1.1 INTRODUCTION

This *2013 Annual BTEX Groundwater Plume Monitoring and Sampling Report* details the groundwater monitoring and sampling events that occurred at the Wilson Creek Unit (Site) during 2013. 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 for the Site. The cross-sections have not been republished in this document.

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/REMEDIATION 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).

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. Air Sparge Phase 1 was upgraded and expanded in fall 2007 and renamed Air Sparge System #1. Fluid extraction equipment was turned off at Trench #2 and Trench #3 in April 2007 and at Trench #1 in September 2007. 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.

1.6 CURRENT SITE ENVIRONMENTAL/REMEDIATION FACILITIES

On-Site remediation consists of Air Sparge System #1 (shut down at the beginning of 2012 to evaluate remedial effectiveness) and a network of groundwater monitor wells. Air Sparge System #1 consists of two separate systems: Trench #2 System and Trench #3 System. Trench #2 System is a low-pressure system, utilizing a blower for air flow, while Trench #3 System is a high-pressure system, utilizing an air compressor for air flow. The network of Site monitor wells provides gauging points for hydrogeologic assessment and facilitates groundwater sample collection.

2.0 2013 Groundwater Gauging

Groundwater levels and PSH measurements were collected and recorded to the nearest ±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 September 2013 monitoring event was used to develop groundwater elevation contours and determine the groundwater gradient and flow direction. Monitor well construction details are summarized in **Table 1**. Current (2013) and historical groundwater elevation and product thickness data for Site monitor wells are summarized in **Table 2**.

During the September 2013 groundwater monitoring event, 47 BTEX plume monitor/SVE wells were gauged using a water level indicator and oil-water interface probe (where applicable). These measurements were collected September 16, 2013 at 45 monitor wells (MW-1 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 September 2013 field event, five monitor wells and two SVE wells (MW-3, MW-10, MW-14, MW-40, MW-47A, SVE-1, and SVE-2) contained measurable amounts of PSH accumulation ranging from 0.01 feet to 0.43 feet.

The direction of groundwater flow at the time of sampling was generally towards the north at an approximate hydraulic gradient ranging from 0.05 to 0.12 feet per foot (ft/ft). Groundwater flow direction and gradient for 2013 BTEX plume monitor and SVE wells are consistent with historical groundwater flow directions and gradients. A groundwater potentiometric surface map including the groundwater flow direction and gradient for September 2013 is presented on **Figure 3**.

3.0 2013 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 September 2013 groundwater sampling event (September 16 through 20, 2013), groundwater samples were collected from 40 BTEX plume groundwater monitor wells (MW-1, MW-2, MW-4 through MW-9, MW-11 through MW-13, MW-15 through MW-21, MW-22R, MW-23, MW-25 through MW-39, and MW-42 through MW-46). Five BTEX plume monitor wells (MW-3, MW-10, MW-14, MW-40, and MW-47A) and two SVE wells (SVE-1 and SVE-2) were not sampled because they were all found to contain measurable amounts of PSH. PSH was measured in MW-40 on September 18, 2013 during groundwater monitor well purging.

Groundwater analytical results for BTEX plume monitor wells sampled during the September 2013 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 September 2013 groundwater analytical results is as follows:

- **Benzene** was detected in 29 monitor wells at concentrations ranging from 0.0017 milligrams per liter (mg/L) (MW-7) to 5.2 mg/L (MW-35).
- **Toluene** was detected in five monitor wells at concentrations ranging from 0.0013 mg/L (MW-13) to 0.0063 mg/L (MW-44).
- **Ethylbenzene** was detected in 18 monitor wells at concentrations ranging from 0.0014 mg/L (MW-26) to 0.78 mg/L (MW-35).
- **Total Xylenes** were detected in 17 monitor wells at concentrations ranging from 0.0031 mg/L (MW-46) to 1.5 mg/L (MW-35).

4.0 2013 BTEX and PSH Plume Trending in Groundwater

Fluid levels and analytical data for samples from 47 Site wells, which include 45 groundwater monitor wells (MW-1 through MW-21, MW-22/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 47 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, 12 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-44, MW-47A, SVE-1, and SVE-2). **Figures 5-1 through 5-5** present the PSH trends for these wells. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. Seven wells were found to contain measurable amounts of PSH in 2013. Four wells (MW-10, MW-14, MW-40, and SVE-1) were found to contain less than 0.10 feet of PSH in 2013. 2013 was the first time that PSH was observed in SVE-1 (located down-gradient from the historical condensate release area at the toe of the upper valley) since monitoring of the well began in July 2003. Wells MW-47A (0.19 feet; shown on **Figure 5-1**), SVE-2 (0.17 feet; shown on **Figure 5-3**), and MW-3 (0.43 feet; shown on **Figure 5-5**) were found to contain PSH in excess of 0.10 feet.

Figures 6-1 through 6-6 present the 13 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, MW-38, and MW-42,) 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 13 wells exhibited an overall decreasing concentration trend with the exception of MW-19, MW-34, and MW-22/MW-22R. A notable increase in concentration was observed at MW-19 between 2003 and 2004, but dissolved benzene concentrations have exhibited a decreasing trend since 2005 (shown on **Figure 6-1**). 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**). A notable increase in concentration was observed at MW-22/MW-22R between 2004 and 2005, which coincided with the installation of replacement well MW-22R; dissolved benzene concentrations have exhibited a decreasing trend since 2007 (shown on **Figure 6-5**).

4.2 PERIMETER WELL TRENDING

Sixteen monitor wells (MW-4, MW-6, MW-7, MW-8, 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 16 wells. Multiple wells are portrayed on individual figures; wells were grouped based on location, to the extent practical. All 16 wells with detectable dissolved benzene concentrations exhibited a 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. All six wells with detectable dissolved benzene concentrations exhibited a decreasing concentration trend.

4.4 SUMMARY OF TRENDING

Collective evaluation of the benzene trending data through 2013 suggests the overall BTEX plume continues to decrease. Data collected from wells representing the interior, perimeter, and distal end of the plume indicate that the majority of wells have decreasing dissolved benzene concentrations. Similar trends in plume size and stability have been observed since 2006.

5.0 2013 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 are collected from the drainage areas associated with the Site including SW-1 from surface water present down-gradient from the crude oil water tanks and east of MW-10 and SW-2 from surface water down-gradient from the former Air Sparge System #2 wells and near MW-45. Samples from SW-1 and SW-2 were not able to be collected in September 2013 due to the lack of surface water at these locations. 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

The surface water sample (Pond-1) was 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 sample was 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

Surface water samples were not collected from SW-1 or SW-2 due to lack of surface water at these locations. BTEX constituents were not detected in the Pond-1 surface water sample in September 2013. Analytical results for the Pond-1 surface water sample collected in September 2013 are presented in **Table 5**. Laboratory analytical reports are presented in **Appendix A**.

BTEX constituents have not been detected in the sample collected from the Pond-1 location since routine sampling began in 2006. Historical 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.

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 September 2013 event are presented below and in **Table 4**. Duplicate samples were not collected at any surface water locations during 2013.

Five duplicate samples (Dup-01 through Dup-05) were collected during the September 2013 groundwater sampling event as follows:

- Dup-01 was collected from monitor well MW-12;
- Dup-02 was collected from monitor well MW-9;
- Dup-03 was collected from monitor well MW-6;
- Dup-04 was collected from monitor well MW-15; and
- Dup-05 was collected from monitor well MW-2.

Duplicate samples collected during September 2013 showed an average relative percent difference of approximately 10.14%. 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-12	09/18/2013	0.49	<0.035	0.012	0.055
Dup-01	09/18/2013	0.42	<0.035	<0.01	0.043
MW-9	09/19/2013	0.32	<0.0010	<0.0010	<0.0030
Dup-02	09/19/2013	0.37	<0.0010	<0.0010	<0.0030
MW-6	09/19/2013	<0.0010	<0.0010	<0.0010	<0.0030
Dup-03	09/19/2013	<0.0010	<0.0010	<0.0010	<0.0030
MW-15	09/19/2013	0.0039	<0.0010	<0.0010	< 0.0030
Dup-04	09/19/2013	0.0043	<0.0010	<0.0010	0.0066
MW-2	09/19/2013	0.012	<0.057	0.0063	<0.015
Dup-05	09/19/2013	0.012	<0.01	<0.01	<0.03

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 the cooler containing groundwater and surface water samples. The trip blank was analyzed by Eurofins Lancaster Laboratories for BTEX compounds using USEPA Method 8021B (SW-846). BTEX compounds were not detected in the trip blank submitted during 2013.

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 analysis 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**.

7.0 Air Sparge System #1 Evaluation

7.1 AIR SPARGE SYSTEM #1 SHUT DOWN

Air Sparge System #1 consists of two separate systems: Trench #2 System (a low-pressure system) and Trench #3 System (a high-pressure system). Air Sparge System #1 operated from the fall of 2007 until it was shut down at the beginning of 2012 to evaluate the System's effectiveness on remediating the BTEX plume.

7.2 AIR SPARGE SYSTEM #1 REMEDIATION EFFECTIVENESS

As stated in Section 4, a collective evaluation of the benzene trending data through 2013 suggests the overall BTEX plume continues to decrease. Data collected from Site monitor wells indicate that the majority of wells have decreasing dissolved benzene concentrations. Similar trends in plume size and stability have been observed since 2006. A review of data collected from Site monitor wells indicate that operation of Air Sparge System #1, from the fall of 2007 until the beginning of 2012, did not significantly affect the size and stability of the BTEX plume.

8.0 Overview and Recommendations

8.1 OVERVIEW

During 2013, annual groundwater monitoring and sampling and annual surface water sampling was conducted. The groundwater flow direction and gradients in 2013 are consistent with historical data. A total of 40 BTEX plume groundwater monitor wells were sampled during September 2013.

With the exception of SVE-1, PSH detections in 2013 occurred in wells with previously observed PSH. The extent of PSH observed in monitor wells in 2013 is consistent with historical PSH measurements (with the exception of SVE-1 with a PSH thickness of 0.01 feet). Three of the seven wells that contained measurable amounts of PSH during 2013 had an apparent PSH thickness greater than 0.10 feet (MW-3, MW-47A, and SVE-2).

Collective evaluation of the benzene trending data suggests that the overall BTEX plume is shrinking. Data collected from wells representing the interior, perimeter, and distal end of the plume indicated that detectable dissolved benzene concentrations continue to exhibit an overall decreasing trend in the majority of wells. At MW-19, MW-22/MW-22R, and MW-34, dissolved benzene concentrations have shown a decreasing trend since at least 2008. All six distal wells had benzene concentrations less than 0.01 mg/L or the method detection limit.

BTEX constituents were not detected in the one surface water sample (Pond-1) collected in September 2013; samples were not collected at SW-1 or SW-2 in September 2013 due to lack of surface water at those locations. The surface water results (Pond-1) from 2013 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.

Air Sparge System #1 (Trench #2 System and Trench #3 System) operated from the fall of 2007 until it was shut down at the beginning of 2012 to evaluate the System's effectiveness on remediating the BTEX plume. A collective review of data from Site monitor wells indicate that operation of Air Sparge System #1 did not significantly impact remediation, including size and stability, of the BTEX plume.

8.2 RECOMMENDATIONS

The following recommendations for 2014 are based on data gathered during the 2013 reporting period as well as historical Site data:

- Continued annual groundwater monitoring and sampling.
  - In September 2014, conduct a comprehensive annual groundwater monitoring and sampling event.

- Continued annual surface water sampling.
  - In September 2014, conduct an annual surface water sampling event.

- Continued effectiveness evaluation of Air Sparge System #1 (Trench #2 System and Trench #3 System) operation including assessment of permanently discontinuing the operation and decommissioning the System.

9.0 References

Highlander, 2000. *Corrective Measures Evaluation Report, Texaco Exploration and Production Inc., Wilson Creek Unit, Rio Blanco County, Colorado*. April 30.

Larson, 2003. *Annual Report 2002 Wilson Creek Unit*. April 25.

SECOR, 2006. *2005 Annual Report for Chevron Environmental Management Company Wilson Creek Unit*. February.

SECOR, 2007. *2006 Annual Report for Chevron Environmental Management Company Wilson Creek Unit*. February.

SECOR, 2008. *2007 Annual Report for Chevron Environmental Management Company Wilson Creek Unit*. March.

USEPA, 1993. *Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)*. Third Edition, August 31.

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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (Feet)	Depth to Water (Feet)	PSH Thickness (Feet)	Top of PSH Elevation (Feet AMSL)	Groundwater Elevation (Feet AMSL)
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
	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
MW-24**	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 Product (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
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

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 Product (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
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
	9.16.13	7700.84	NA	22.34	0.00	NA	7678.50

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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

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 Product (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
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

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 Product (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
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

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 Product (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
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

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 Product (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

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

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
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
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	**	**	**	**	**
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

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
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
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
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

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
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	***	***	***	***	***
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
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

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-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
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	***	***	***	***	***
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
MW-16	11/9/2005	7.37	109.7	8.93	1646	7.05
	4/12/2006	5.61[a]	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
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

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-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
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
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
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

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-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
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
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	**	**	**	**	**
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

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-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
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
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
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

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-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
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
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

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-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
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
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
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

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-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
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
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
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	*	*	*	*	*

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-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
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
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

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-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
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
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	***	***	***	***	***

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	***	***	***	***	***
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	**	**	**	**	**
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. [a]: 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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-1	11/18/1995	22	10	0.6	--	--	3.5
	12/14/1995	17	5.8	0.5	--	--	2.6
	05/16/1996	7	0.65	0.46	--	--	2
	08/27/1996	--	--	--	--	--	--
	08/13/1996	2.2	0.48	0.49	--	--	1
	05/22/1997	2.18	0.248	0.127	--	--	0.451
	11/06/1997	1.22	0.08	0.062	--	--	0.136
	05/21/1998	<0.001	<0.001	0.013	--	--	0.02
	11/06/1998	2.2	0.007	0.044	--	--	0.106
	07/15/1999	0.41	0.0087	0.0089	--	--	0.0294
	11/17/1999	0.24	<0.001	0.013	--	--	0.047
	05/23/2000	0.14	0.002	0.001	--	--	0.001
	07/26/2000	0.024	0.003	0.012	--	--	0.051
	10/10/2000	1,4	0.004	0.027	--	--	0.138
	01/24/2001	0.7	0.004	0.031	--	--	0.11
	05/09/2001	0.098	0.004	0.003	--	--	0.013
	07/12/2001	<0.001	0.002	<0.001	<0.001	<0.001	<0.002
	11/05/2001	0.797	<0.004	0.021	--	--	0.083
	06/27/2002	0.0114	0.0004	0.0009	0.0024	0.0003	0.00027
	12/16/2002	<0.0005	<0.0001	<0.0001	--	--	<0.0001
	07/17/2003	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
	06/09/2004	0.0026	<0.001	0.000758	0.00125	0.00126	0.00251
	12/08/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-2	11/18/1995	15.0	12	0.5	--	--	3.1
	12/14/1995	3.5	1.4	0.09	--	--	0.53
	05/6/1996	4.2	1.1	0.088	--	--	0.27
	08/27/1996	--	--	--	--	--	--
	11/14/1996	1.7	0.87	0.3	--	--	1.3
	05/22/1997	1.93	0.913	0.301	--	--	1.43
	11/16/1997	7.09	0.108	0.142	--	--	0.424
	05/21/1998	7.0	0.12	0.13	--	--	0.622
	11/06/1998	3.1	0.016	0.016	--	--	0.018
	07/15/1999	3.8	0.014	0.068	--	--	0.234
	11/17/1999	4.4	0.022	0.11	--	--	0.304
	05/23/2000	3.3	0.027	0.17	--	--	0.716
	07/26/2000	4.3	0.023	0.13	--	--	0.33
	10/10/2000	0.0037	0.04	0.14	--	--	0.475
	01/24/2001	3.6	0.039	0.076	--	--	0.238
	05/09/2001	2.8	0.024	0.062	--	--	0.291
	07/13/2001	2.01	0.014	0.027	0.079	<0.010	0.079
	11/02/2001	1.38	0.104	0.0372	--	--	0.0844
	06/29/2002	6.89	0.066	0.04	0.072	<0.005	0.072
	12/16/2002	3.0797	<0.001	0.0068	--	--	0.0038
	07/17/2003	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
	06/11/2004	4.84	0.0717	0.0465	0.102	0.0129	0.1149
	12/06/2004	*	*	*	*	*	*
	6/21/2005	4.36	0.0146	0.0312	0.0481	0.0051	0.0532
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-3	11/18/1995	0.11	<0.02	<0.02	--	--	0.11
	12/14/1995	0.11	<0.02	<0.02	--	--	0.13
	05/16/1996	0.92	0.089	0.120	--	--	0.24
	08/27/1996	--	--	--	--	--	--
	11/13/1996	0.58	0.092	0.05	--	--	0.4
	05/22/1997	0.481	0.083	0.149	--	--	0.64
	11/06/1997	0.721	<0.005	0.103	--	--	0.571
	05/21/1998	0.251	0.002	0.1	--	--	0.483
	11/06/1998	0.52	0.002	0.038	--	--	0.414
	07/15/1999	0.5	0.015	0.055	--	--	0.4952
	11/17/1999	0.28	0.044	0.11	--	--	1.07
	05/23/2000	0.43	<0.005	0.51	--	--	0.396
	07/26/2000	0.37	0.007	0.083	--	--	0.67
	10/10/2000	0.38	0.009	0.025	--	--	0.52
	01/24/2001	0.46	0.016	0.019	--	--	0.309
	05/09/2001	0.39	0.004	0.039	--	--	0.257
	07/13/2001	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	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	*	*	*	*	*	*

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-4	11/18/1995	24	<0.2	<0.2	--	--	<0.2
	12/14/1995	24	0.5	<0.2	--	--	<0.2
	05/16/1996	1.96	1.2	0.26	--	--	0.71
	08/27/1996	--	--	--	--	--	--
	11/14/1996	2.1	1.6	0.7	--	--	1.6
	05/22/1997	11.9	2.38	0.327	--	--	1.85
	11/06/1997	41.8	1.07	0.572	--	--	2.05
	05/21/1998	37	1.1	0.35	--	--	1.2
	11/06/1998	30	0.44	0.39	--	--	1.56
	07/15/1999	25	0.58	0.75	--	--	4.5
	11/17/1999	46	0.025	0.73	--	--	4.48
	05/23/2000	35	0.22	0.84	--	--	6.27
	07/26/2000	30	0.005	.0.91	--	--	6.57
	10/10/2000	26	<0.2	0.63	--	--	4.79
	01/24/2001	9.6	<0.05	0.19	--	--	1.78
	05/09/2001	30	<0.1	0.6	--	--	2.72
	07/13/2001	17.5	<0.100	0.223	0.469	<0.100	0.469
	11/02/2001	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
	07/17/2003	25	0.056	0.446	1.43	<0.05	1
	12/16/2003	*	*	*	*	*	*
	06/07/2004	*	*	*	*	*	*
	12/07/2004	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-5	11/18/1995	--	--	--	--	--	--
	12/14/1995	--	--	--	--	--	--
	05/16/1996	--	--	--	--	--	--
	08/27/1996	0.009	<0.001	<0.001	--	--	<0.001
	11/13/1996	0.054	<0.01	<0.01	--	--	<0.01
	05/22/1997	<0.01	<0.01	<0.01	--	--	<0.01
	11/06/1997	<0.005	<0.005	<0.005	--	--	<0.005
	05/21/1998	<0.001	<0.001	<0.001	--	--	<0.001
	11/06/1998	<0.001	<0.001	<0.001	--	--	<0.001
	07/15/1999	0.13	<0.001	<0.001	--	--	0.0027
	11/17/1999	<0.001	<0.001	<0.001	--	--	<0.001
	05/23/2000	<0.001	<0.001	<0.001	--	--	<0.001
	07/26/2000	0.006	<0.001	<0.001	--	--	0.002
	10/10/2000	0.014	<0.001	<0.001	--	--	<0.003
	01/24/2001	0.004	<0.001	<0.001	--	--	<0.003
	05/09/2001	<0.001	<0.001	<0.001	--	--	<0.003
	07/12/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	11/05/2001	0.045	<0.002	0.002	--	--	0.008
	06/27/2002	<0.0002	<0.0002	<0.0002	0.0003	<0.0003	0.0003
	12/16/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	07/17/2003	<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
	06/09/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/08/2004	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
	11/08/2005	<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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-6	11/11/2001	0.0122	0.0719	0.0012	0.0055	0.0017	0.0072
	06/29/2002	0.0077	<0.0004	<0.0004	0.0006	<0.0004	0.0006
	12/17/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	07/17/2003	<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
	06/10/2004	0.000658	<0.001	<0.001	<0.001	<0.001	<0.002
	12/07/2004	<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
	11/09/2005	<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
MW-7	11/09/2001	0.0028	0.0067	0.0030	<0.002	<0.0007	<0.0027
	06/29/2002	0.018	0.0006	<0.0002	0.0009	0.001	0.0019
	12/17/2002	0.0338	<0.001	<0.001	--	--	0.00218
	07/17/2003	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
	06/10/2004	0.00139	0.00469	0.000933	0.00207	0.00281	0.00488
	12/07/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-8	11/09/2001	0.032	0.00723	0.0046	0.0163	0.0018	0.0181
	06/28/2002	0.933	<0.0005	0.118	0.212	0.007	0.219
	12/17/2002	1.5318	<0.0001	0.1079	--	--	0.2201
	07/17/2003	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
	06/10/2004	0.47	<0.001	0.0286	0.0482	0.000997	0.049197
	12/07/2004	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
MW-9	10/11/2001	0.137	0.113	0.0114	0.0531	0.0132	0.0663
	06/29/2002	0.0029	<0.0004	<0.0004	0.002	<0.0004	0.002
	12/17/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	07/17/2003	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
	06/10/2004	<0.001	<0.001	<0.001	0.00142	0.00132	0.00274
	12/07/2004	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-10	11/05/2001	43.5	10.7	2.9	--	--	17.3
	06/28/2002	42.7	6.99	1.1	5.47	1.39	6.86
	12/17/2002	6.506	1.3459	1.1155	--	--	4.7125
	07/17/2003	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	*	*	*	*	*	*
MW-11	11/09/2001	0.046	0.0016	0.037	<0.002	<0.0007	<0.027
	06/28/2002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004
	12/16/2002	<0.00005	<0.001	<0.001	--	--	<0.001
	07/18/2003	<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
	06/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/07/2004	<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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-12	11/05/2001	9.96	0.06	<0.05	0.06	<0.05	0.06
	06/28/2002	16.3	<0.02	0.02	--	--	0.02
	12/16/2002	4.5503	0.001	0.0138	--	--	0.0532
	07/18/2003	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
	11/08/2005	*	*	*	*	*	*
	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
MW-13	11/05/2001	20.4	<0.01	0.09	--	--	0.01
	06/28/2002	13.6	<0.02	0.02	0.02	<0.02	0.02
	12/16/2002	3.1396	<0.001	<0.001	--	--	<0.001
	07/18/2003	5.49	0.115	0.078	0.386	0.044	0.43
	12/16/2003	*	*	*	*	*	*
	06/10/2004	11	0.0277	0.0211	0.0514	0.0193	0.0707
	12/08/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-14	11/10/2001	4.62	1.43	0.13	0.603	0.150	0.753
	12/16/2003	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	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	*	*	*	*	*	*
MW-15	11/12/2001	0.0031	<0.0006	0.044	<0.002	<0.0007	<0.0027
	06/29/2002	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
	07/18/2003	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
	06/10/2004	3.06	<0.001	0.0215	0.0195	0.00131	0.02081
	12/07/2004	2.59	0.00203	0.012	0.00692	<0.001	0.00692
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-16	11/10/2001	0.047	0.091	<0.0003	<0.002	<0.0007	<0.0027
	07/01/2002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001
	12/16/2002	0.0452	<0.001	<0.001	--	--	<0.001
	07/18/2003	<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
	06/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/07/2004	<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
	11/09/2005	<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
MW-17	11/05/2001	23.9	<0.01	0.35	--	--	0.95
	06/28/2002	2.5	<0.02	0.09	0.09	<0.02	0.09
	08/13/2002	4.65	<0.001	0.0599	--	--	0.0215
	12/16/2002	5.0335	<0.001	0.0417	--	--	0.002
	07/18/2003	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
	06/11/2004	11.6	0.0619	0.0304	0.0156	0.00734	0.02294
	12/07/2004	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-18	11/05/2001	0.0436	0.003	0.0071	--	--	0.017
	06/28/2002	1.34	<0.02	0.007	0.01	<0.002	0.01
	12/16/2002	1.2497	<0.001	0.0018	--	--	0.0027
	07/18/2003	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
	06/11/2004	1.28	0.00118	0.00173	0.00265	0.00136	0.00401
	12/07/2004	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
	11/09/2005	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
MW-19	06/29/2002	13.7	<0.01	1	3.6	0.04	3.64
	06/28/2002	0.31	0.0475	0.0032	0.0008	0.002	0.0028
	12/16/2002	0.324	<0.001	0.0018	--	--	0.0036
	07/18/2003	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
	06/10/2004	7.85	0.0351	0.975	3	0.00933	3.00933
	12/08/2004	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	<0.01	0.18	--	--	0.33

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-20	06/11/2004	0.227	0.0276	0.0077	0.0107	0.00702	0.01772
	12/06/2004	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
	11/09/2005	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
MW-21	11/02/2001	0.161	0.0023	0.0153	--	--	0.0432
	06/28/2002	0.0523	0.0415	0.0275	0.0107	0.0026	10.033
	12/16/2002	0.0'22	<0.001	0.0145	--	--	0.0082
	07/18/2003	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
	06/11/2004	0.0878	0.0389	0.0275	0.048	0.00497	0.05297
	12/06/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-22	11/11/2001	3.76	0.057	<0.015	<0.1	<0.035	<0.135
	06/27/2002	1.25	<0.002	<0.002	0.003	<0.002	0.003
	12/16/2002	0.9112	<0.001	<0.001	--	--	<0.001
	07/18/2003	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
	06/11/2004	0.365	0.00348	0.00103	0.00551	0.00155	0.00706
	12/06/2004	0.054	0.000846	0.000505	0.00148	0.000893	0.002373
	06/21/2005	--	--	Destroyed	--	--	--
**MW-22R	08/01/2005	4.90	0.0209	<0.05	0.307	<0.05	0.307
	11/09/2005	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
MW-23	11/02/2001	0.63	0.0015	0.0192	--	--	0.162
	07/01/2002	0.439	<0.0005	0.162	0.219	<0.0005	0.219
	12/16/2002	01244	<0.001	0.0019	--	--	0.1124
	07/18/2003	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
	06/10/2004	0.034	0.0018	0.00565	0.115	0.00293	0.11793
	12/07/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-24	11/02/2001	3.29	<0.05	<0.05	0.06	<0.05	0.06
	06/27/2002	1.94	<0.02	0.4	3.58	0.72	4.3
	12/16/2002	3618.2	2.1	93.2	--	--	114.6
	07/18/2003	*	*	*	*	*	*
	6/21/2005	8.32	0.0211	0.17	0.85	0.0684	0.9184
	11/09/2005	*	*	*	*	*	*
	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	11/05/2001	0.214	0.009	0.017	--	--	0.1
	06/27/2002	0.647	<0.002	0.014	0.067	<0.002	0.067
	12/16/2002	0.1911	<0.001	<0.001	--	--	0.0841
	07/18/2003	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
	06/11/2004	0.586	0.00537	0.0077	0.761	0.00189	0.76289
	12/06/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-26	11/02/2001	0.239	0.0009	0.0009	--	--	0.0056
	07/01/2002	0.477	<0.0005	<0.0005	0.028	<0.0005	0.028
	12/16/2002	0.2175	<0.001	<0.001	--	--	<0.001
	07/18/2003	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
	06/11/2004	0.433	0.00262	0.00275	0.0286	0.00224	0.03084
	12/06/2004	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
MW-27	06/29/2002	13.8	<0.01	0.79	3.08	0.19	3.27
	12/17/2002	1.8588	<0.001	0.0753	--	--	0.2025
	07/16/2003	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
	06/10/2004	9.94	0.0385	1.34	2.51	0.00732	2.52
	12/08/2004	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-28	11/05/2001	0.004	<0.002	<0.002	<0.002	<0.002	<0.004
	06/27/2002	<0.0002	<0.0002	0.0002	0.0018	0.0005	0.0023
	06/27/2002	1.73	<0.004	0.007	0.06	<0.004	0.06
	12/16/2002	0.6236	<0.001	0.0029	--	--	0.0233
	07/18/2003	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
	06/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/06/2004	<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
	11/09/2005	<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
MW-29	06/09/2004	6.24	0.0147	0.0198	0.0514	0.00484	0.05624
	12/08/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-30	06/09/2004	0.299	0.00374	0.0021	0.0114	0.001	0.0124
	12/08/2004	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
	11/09/2005	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
MW-31	11/02/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004
	06/27/2002	0.002	<0.0002	0.0055	0.0003	0.00015	0.0018
	12/16/2002	<0.0005	<0.001	0.0029	--	--	0.0233
	07/18/2003	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
	06/09/2004	0.000352	<0.001	0.000599	0.00102	0.000936	0.001956
	12/08/2004	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
	11/08/2005	<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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-32	11/02/2001	<0.0002	<0.0002	<0.0002	--	--	0.0004
	06/27/2002	<0.0002	<0.0002	<0.0002	0.0004	0.0002	0.0006
	12/16/2002	<0.0005	<0.001	<0.001	--	--	<0.001
	07/17/2003	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
	06/09/2004	0.00383	<0.005	<0.005	0.00422	<0.005	0.00422
	12/08/2004	<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
	11/08/2005	<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
MW-33	06/30/2002	26.4	<0.02	0.51	2.18	0.22	2.4
	12/16/2002	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	4/13/2006[8]	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-34	06/30/2002	0.0295	<0.0005	<0.0005	0.004	<0.0005	0.004
	12/17/2002	<0.001	<0.001	<0.001	--	--	<0.001
	07/18/2003	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
	06/10/2004	0.00824	<0.001	<0.001	0.000644	<0.001	0.000644
	12/08/2004	<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
MW-35	06/29/2002	27	0.32	0.58	1.72	0.23	1.95
	12/17/2002	5.0422	<0.001	0.8349	--	--	2.4462
	07/17/2003	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
	06/10/2004	20.1	0.0147	0.804	2.7	0.282	2.982
	12/08/2004	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	<0.01	0.78	--	--	1.5

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-36	06/30/2002	153	<0.3	<0.3	--	--	<0.3
	08/13/2002	3.905	<0.001	0.0112	--	--	<0.001
	12/16/2002	3.0973	<0.001	<0.001	--	--	0.0039
	07/17/2003	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
	06/11/2004	1.38	0.036	0.0133	0.0146	0.00768	0.02228
	12/07/2004	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
	11/09/2005	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
MW-37	06/30/2002	1.16	0.0584	0.0495	0.123	0.0138	0.1368
	08/13/2002	2.246	0.0267	0.0538	--	--	0.147
	12/16/2002	0.0718	<0.001	0.0175	--	--	0.0097
	07/17/2003	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
	06/11/2004	0.591	0.124	0.0259	0.0614	0.0294	0.0908
	12/07/2004	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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-38	06/10/2004	3.2	0.0359	0.00974	0.0234	0.0119	0.0353
	12/08/2004	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
	11/09/2005	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
MW-39	06/10/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/07/2004	<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
	11/09/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-40	07/18/2003	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
	06/10/2004	31.9	27	1.29	6.86	1.59	8.45
	12/06/2004	*	*	*	*	*	*
	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	*	*	*	*	*	*
MW-41	07/17/2003	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
	06/10/2004	*	*	*	*	*	*
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	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	--	--	--	--	--	--

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-42	07/17/2003	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
	06/11/2004	0.287	0.0372	0.0454	0.0141	0.0218	0.0359
	12/06/2004	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
	11/09/2005	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
MW-43	06/22/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
	12/07/2004	<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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-44	06/22/2004	1.1	0.039	0.0195	0.0592	0.00752	0.06672
	12/07/2004	0.182	0.00214	0.00192	0.013	0.000859	0.013859
	6/21/2005	*	*	*	*	*	*
	11/08/2005	*	*	*	*	*	*
	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
MW-45	06/22/2004	0.603	0.0372	0.0451	0.0828	0.00742	0.09022
	12/06/2004	--	--	--	--	--	--
	6/21/2005	0.3470	0.0256	0.0335	0.0346	0.0046	0.0392
	11/08/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MW-46	08/01/2005	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
MW-47A	08/01/2005	44.9	20.9	1.03	5.94	1.28	7.22
	11/08/2005	*	*	*	*	*	*
	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	*	*	*	*	*	*

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
SVE-1	07/17/2003	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	*	*	*	*	*	*
SVE-2	07/17/2003	53.2	8.19	1.81	7.26	1.05	8.31
	11/08/2005	*	*	*	*	*	*
	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	*	*	*	*	*	*
Trench #1	6/22/2005	0.0405	0.00194	<0.001	0.00234	0.00108	0.00342
	08/01/2005	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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
Duplicates							
MW-4	11/11/2001	4.21	0.0481	<0.015	<0.01	<0.035	<0.135
MW-23	06/27/2002	0.647	<0.002	0.003	0.183	0.002	0.185
MW-4	06/29/2002	6.69	0.042	0.118	--	--	0.571
MW-35	06/30/2002	0.668	0.346	0.484	--	--	1.274
MW-16	06/30/2002	<0.0005	<0.0005	<0.0005	--	--	<0.0005
MW-29	06/302002	2.9536	<0.001	<0.001	--	--	<0.001
MW-6	06/30/2002	<0.0005	<0.001	<0.001	--	--	<0.001
MW-5	07/17/2003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
MW-13	07/18/2003	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	08/01/2005	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	06/09/2004	<0.001	<0.001	0.00058	0.000892	0.000969	0.001861
MW-7	06/10/2004	0.00205	<0.001	0.000974	0.00234	0.00336	0.0057
MW-17	06/11/2004	13	0.0981	0.0364	0.0326	0.0176	0.0502
MW-45	06/22/2004	1.06	0.0371	0.0183	0.0548	0.00673	0.06153
MW-21	12'06/2004	0.0712	0.0469	0.0165	0.0292	0.00532	0.03452
MW-6	12/07/2004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002
MW-27	12/08/2004	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	11/09/2005	0.0050	<0.0010	<0.001	--	--	<0.0030
MW-23	11/09/2005	0.014	0.0012	0.0011	--	--	0.035
MW-4	11/09/2005	7.100	<0.0050	0.055	--	--	0.083
MW-11	11/09/2005	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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
Duplicates							
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

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)
CDPHE-WQCC Standard (mg/L):		**0.005**	**1.0**	**0.7**	**--**	**--**	**10.0**
MS					--	--	
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
MSD							
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

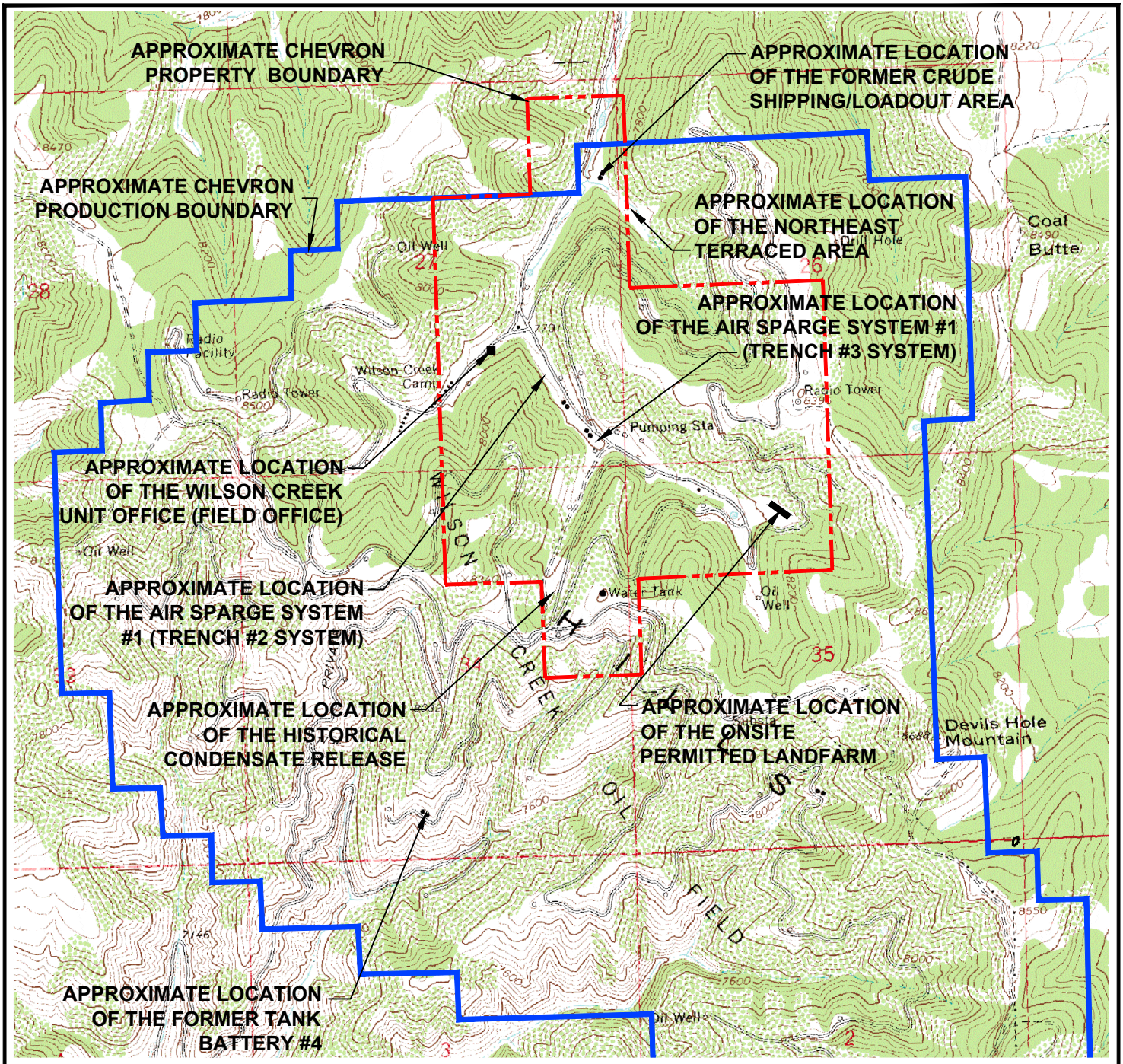
Notes:
Standards listed are from the Colorado Department of Public Health and Environment Water Quality Control Commission (CDPHE-WQCC), The Basic Standards for Ground Water.
1. mg/L: Milligrams per liter
2. --: No data available
3. <: Less than test method detection limit
4. *: Phase-separated hydrocarbons in well - No sample collected
5. **: Replacement monitoring well
6. MS: Matrix Spike
7. MSD: Matrix Spike Duplicate

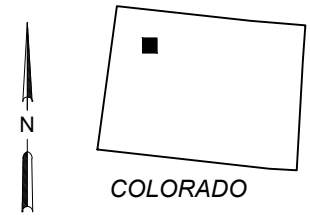
Table 5
Summary of BTEX Analytical Results in Surface Water
Chevron Environmental Management Company
Wilson Creek Unit
Rio Blanco County, Colorado

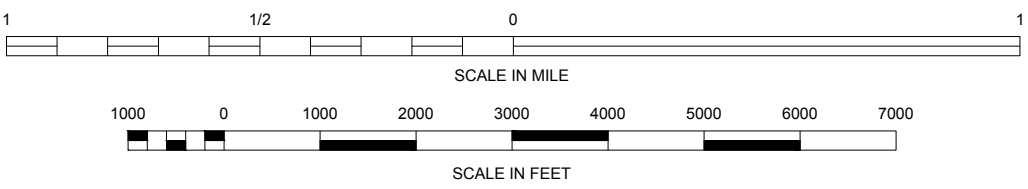
Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
CDPHE-WQCC Basic Standard (mg/L):		**0.0022**	**0.51**	**0.53**	**-------**
SW-1	4/12/2006	0.190	<0.0010	0.0028	0.011
	10/12/2006	<0.001	<0.001	<0.001	<0.003
	4/24/2007	0.086	<0.001	0.0059	0.018
	10/13/2007	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
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
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

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

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

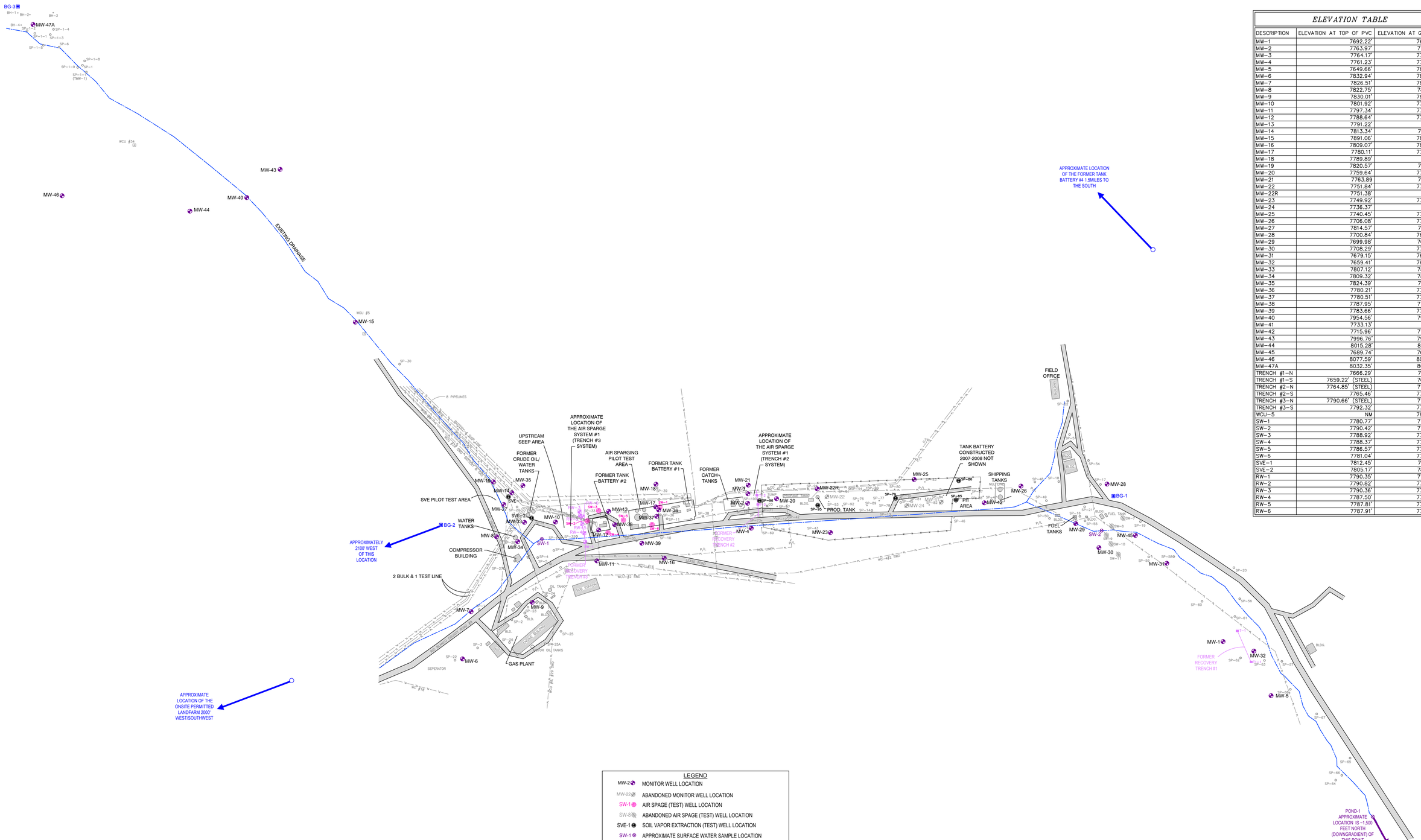
FOR: CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WILSON CREEK UNIT
7265 RIO BLANCO COUNTY ROAD #9
MEEKER, COLORADO

SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212201118	ARA	CB	TM	12/18/13

FILEPATH:V:\1878\CADD_files\Other_offices_work\GOLDEN\Wilson Creek Chevron\Wilson Creek SLM-2014.dwg|aandrews|Mar 06, 2014 at 12:55|Layout: for proposal



LEGEND

MW-2	MONITOR WELL LOCATION
MW-22	ABANDONED MONITOR WELL LOCATION
SW-1	AIR SPAGE (TEST) WELL LOCATION
SW-8	ABANDONED AIR SPAGE (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 T-1	GROUNDWATER RECOVERY TRENCH LOCATION
WCU #5	OIL WELL
CO	CO
SUMP	SUMP
	FENCE
PL	PIPELINE
NM	NOT MEASURED

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	7751.38'	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'

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

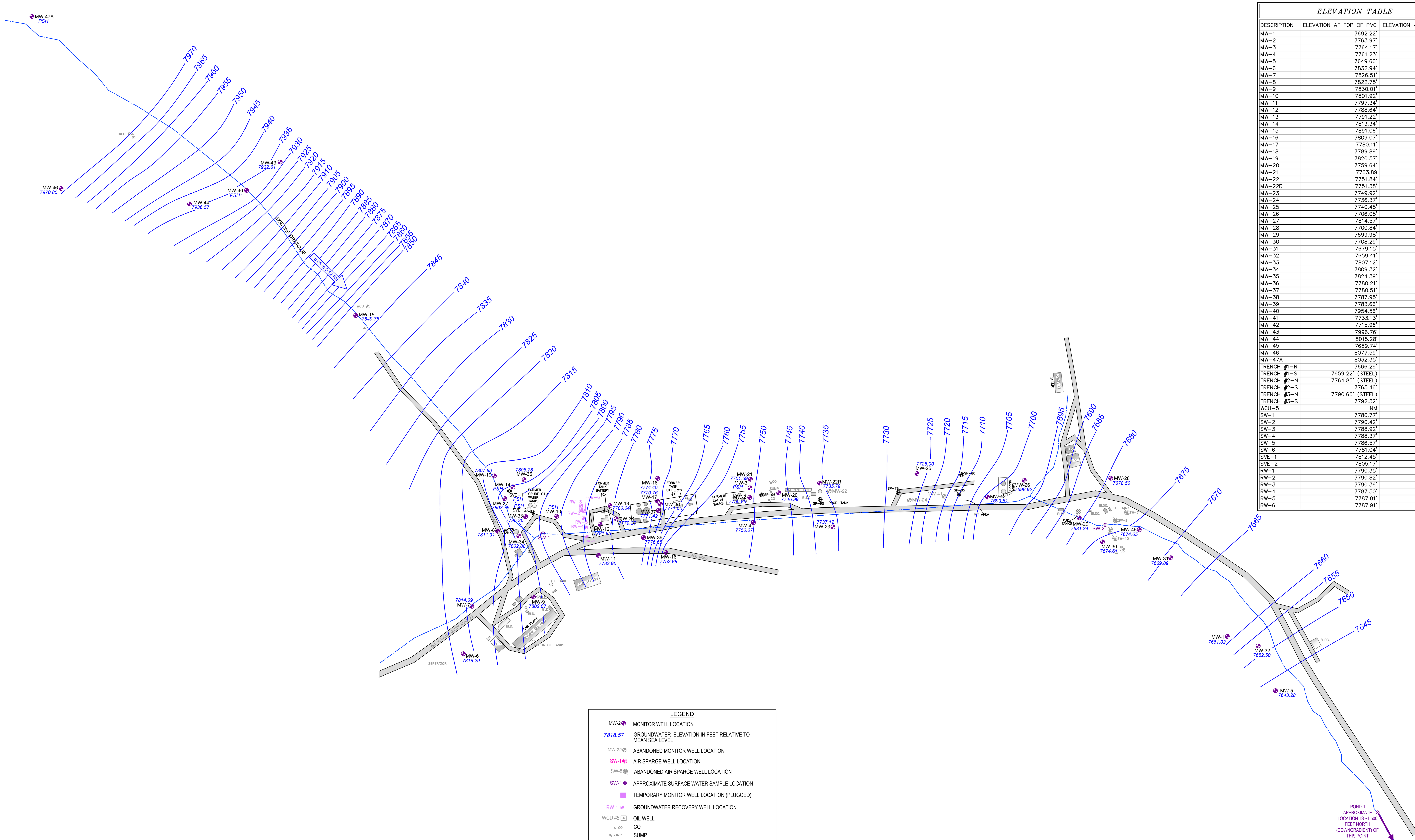
FOR:
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WILSON CREEK UNIT
7265 RIO BLANCO COUNTY ROAD #9
MEEKER, COLORADO

SITE MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212201118	ARA	CB	TM	11/21/13

FILEPATH:V:\1878\CADD_files\Other_offices_work\GOLDEN\Wilson Creek Chevron\WC GWM 913.dwg|jaandrews|Mar 06, 2014 at 12:56|Layout: SITE



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	7751.38'	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'

LEGEND

MW-2	MONITOR WELL LOCATION
7818.57	GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
MW-22	ABANDONED 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	CO
SUMP	SUMP
7810	GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR IN FEET ABOVE MEAN SEA LEVEL
NM	NOT MEASURED
PSH	PHASE SEPARATE HYDROCARBONS
PSH*	PHASE SEPARATE HYDROCARBONS MEASURED DURING WELL PURGING
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT RANGES FROM 0.05 TO 0.12 FEET PER FOOT (ft/ft).

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

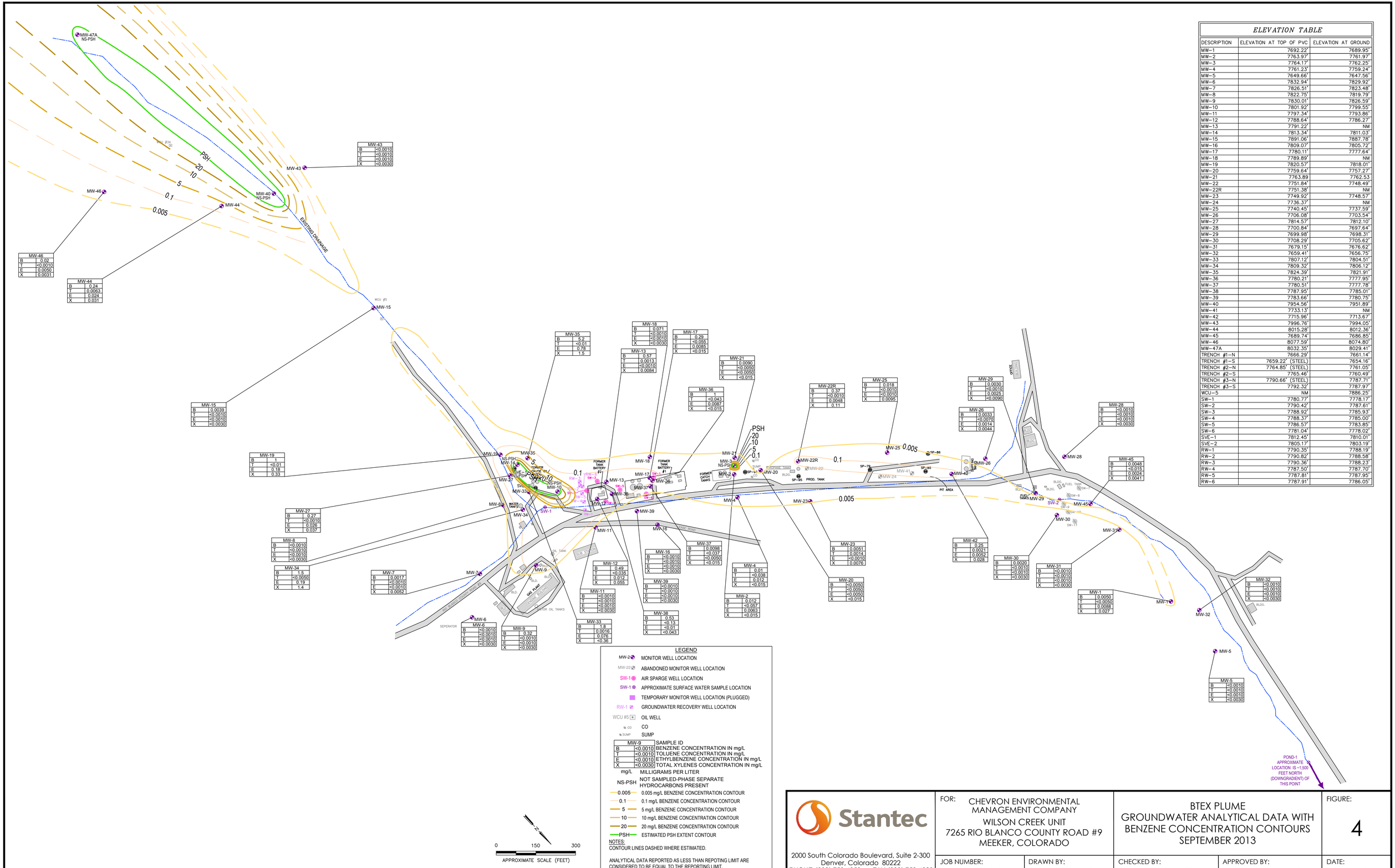
FOR: CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
WILSON CREEK UNIT
7265 RIO BLANCO COUNTY ROAD #9
MEEKER, COLORADO

BTEX PLUME GROUNDWATER POTENTIOMETRIC SURFACE MAP SEPTEMBER 2013

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212201118	ARA	CB	TM	12/18/13

FILEPATH:V:\1878\CADD_files\Other_offices_work\GOLDEN\Wilson Creek Chevron\WC GWM 913.dwg|aandrews|Mar 14, 2014 at 8:37|Layout: GW elvations



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	7751.38'	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'

LEGEND

- MW-2 — MONITOR WELL LOCATION
- MW-22 — ABANDONED 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 — CO
- SUMP — SUMP

MW-9	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 <0.0030	TOTAL XYLENES CONCENTRATION IN mg/L

- mg/L — MILLIGRAMS PER LITER
- NS-PSH — NOT SAMPLED-PHASE SEPARATE HYDROCARBONS PRESENT
- 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

NOTES:
CONTOUR LINES DASHED WHERE ESTIMATED.

ANALYTICAL DATA REPORTED AS LESS THAN REPOTING LIMIT ARE CONSIDERED TO BE EQUAL TO THE REPORTING LIMIT.

Stantec
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 SEPTEMBER 2013

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
212201118	ARA	CB	TM	1/9/14

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

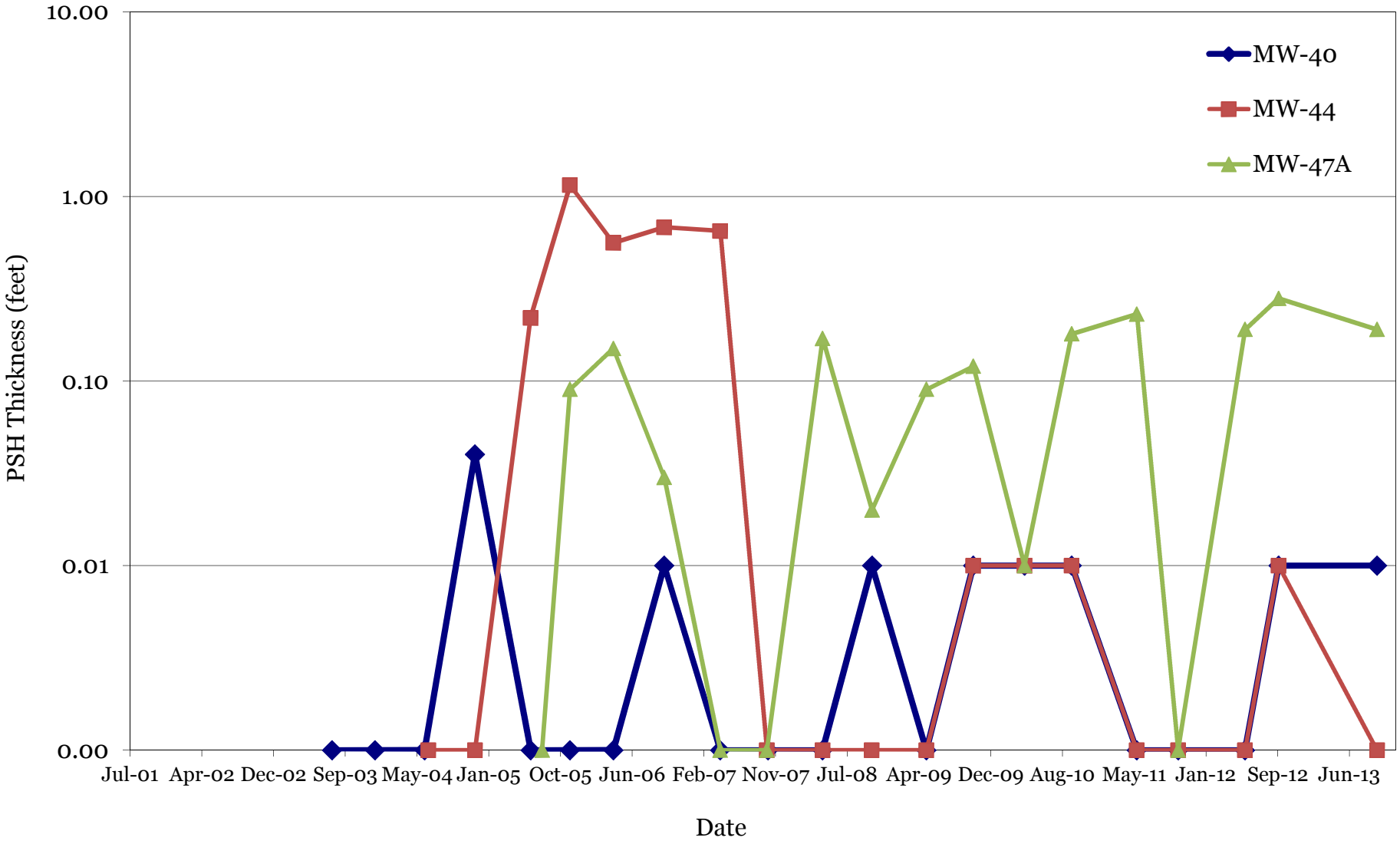


Figure 5-2: Plume Wells-MW-14, MW-15 and SVE-1 PSH Trends

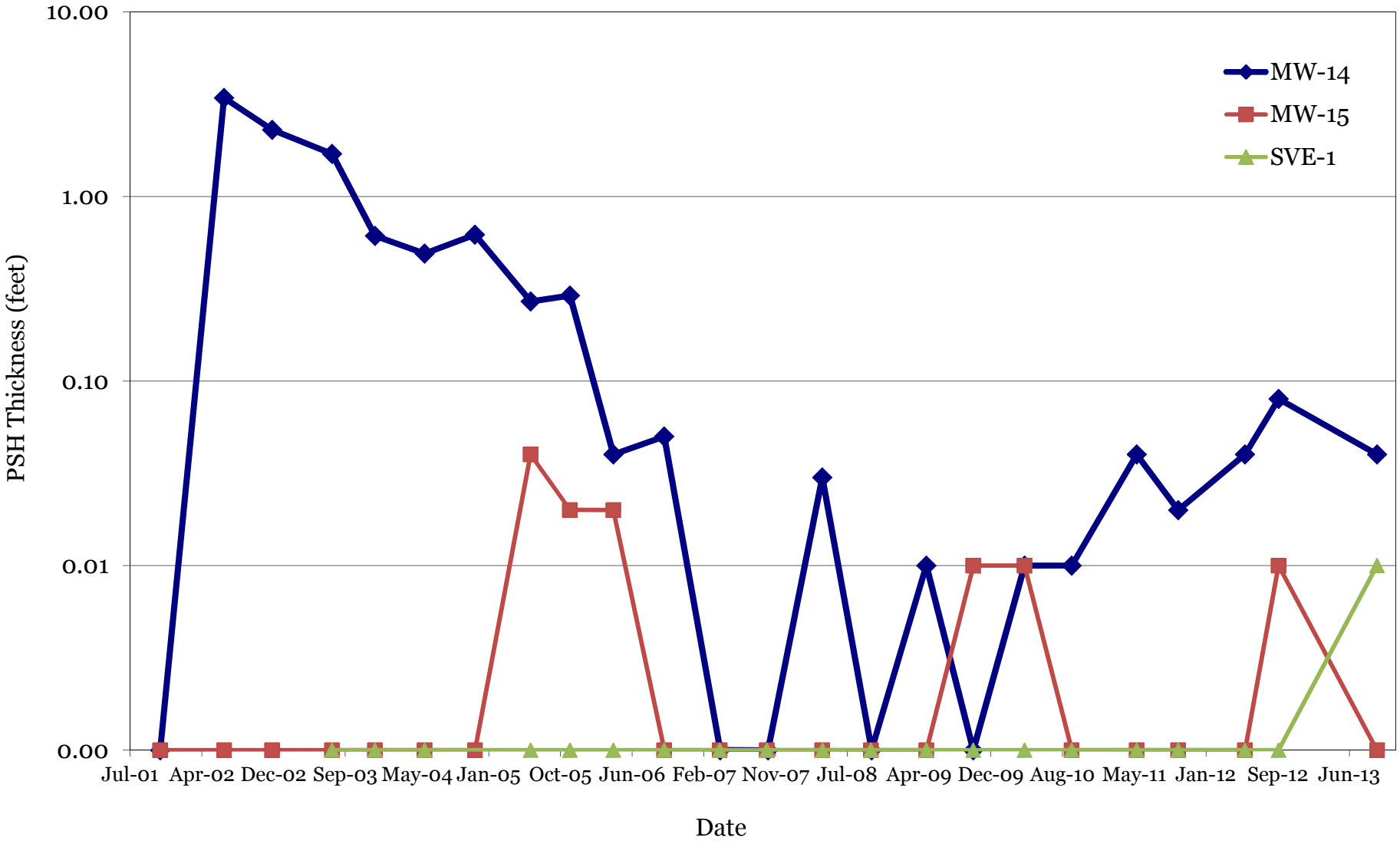


Figure 5-3: Plume Wells-MW-10, MW-33, and SVE-2 PSH Trends

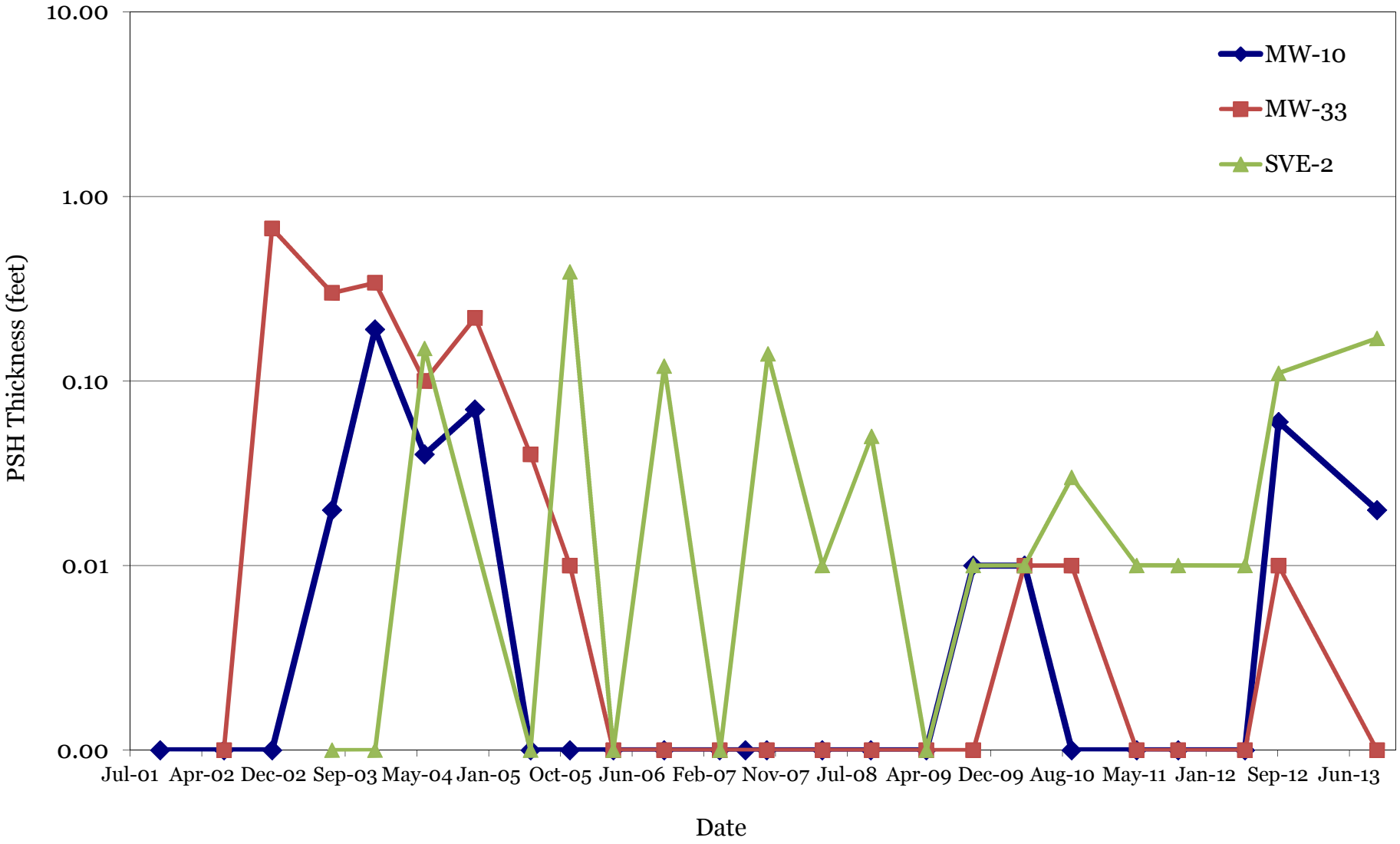


Figure 5-4: Plume Well-MW-12 PSH Trend

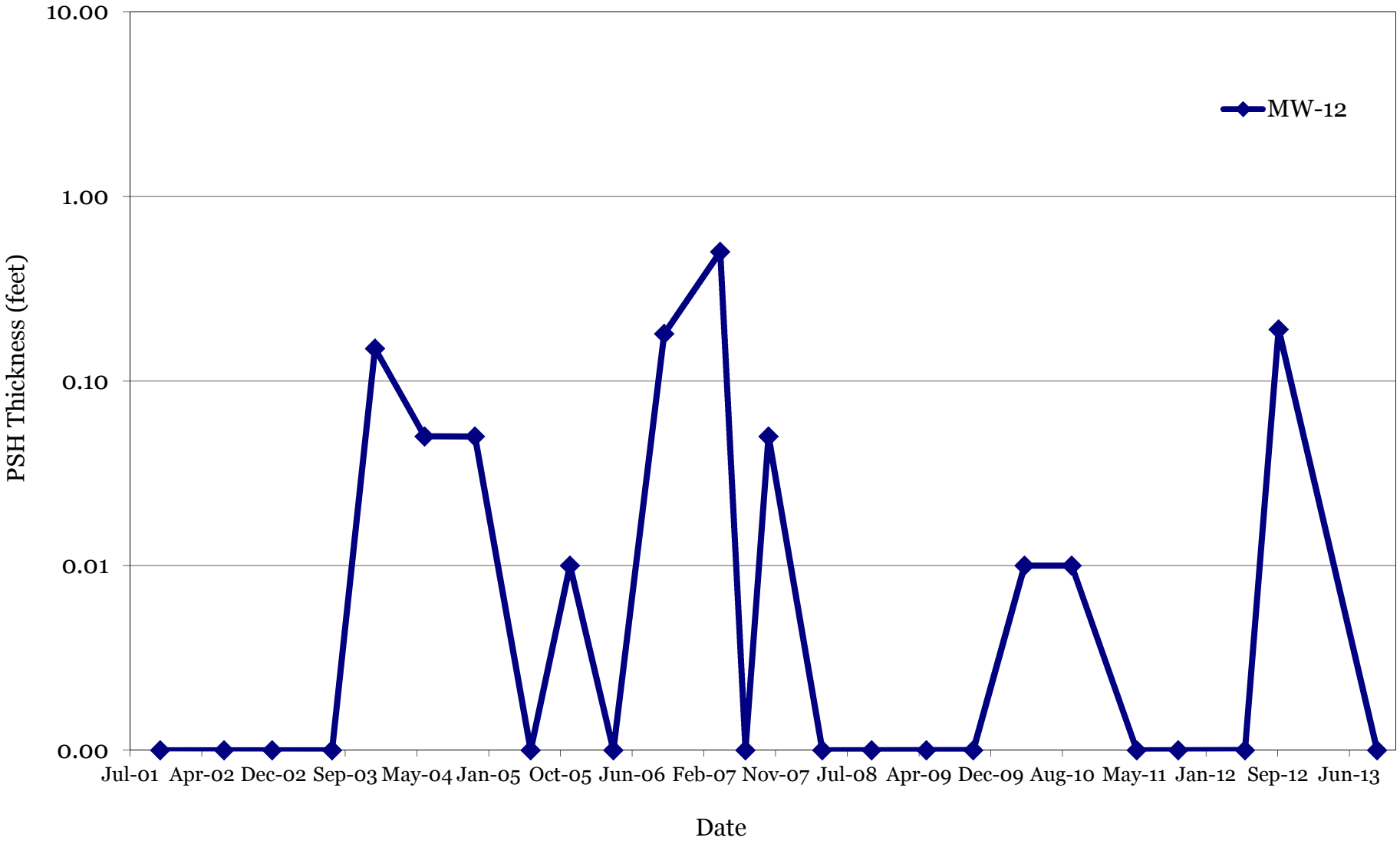


Figure 5-5: Plume Wells-MW-2 and MW-3 PSH Trends

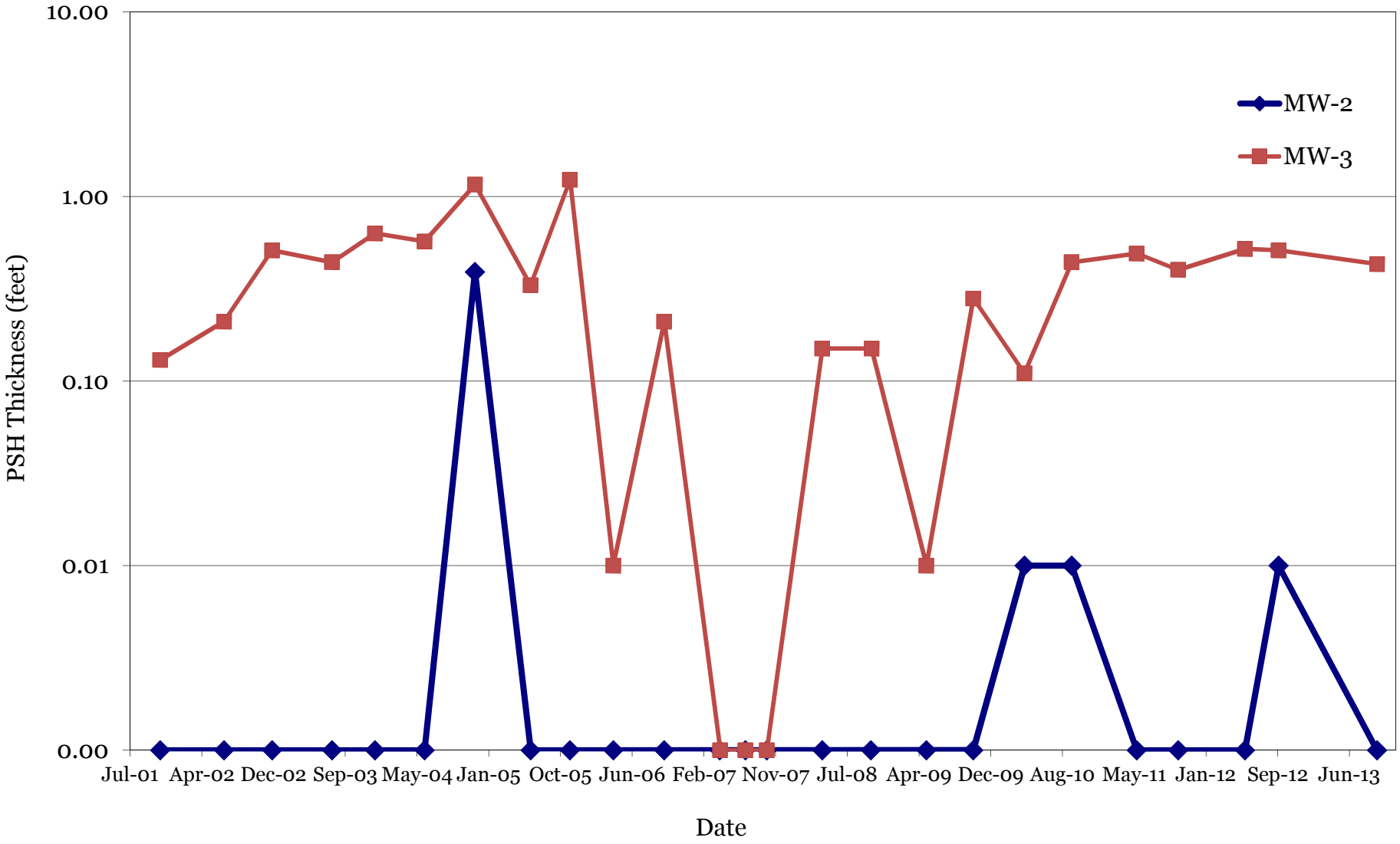


Figure 6-1: Plume Wells-MW-19 and MW-35 Benzene Trend

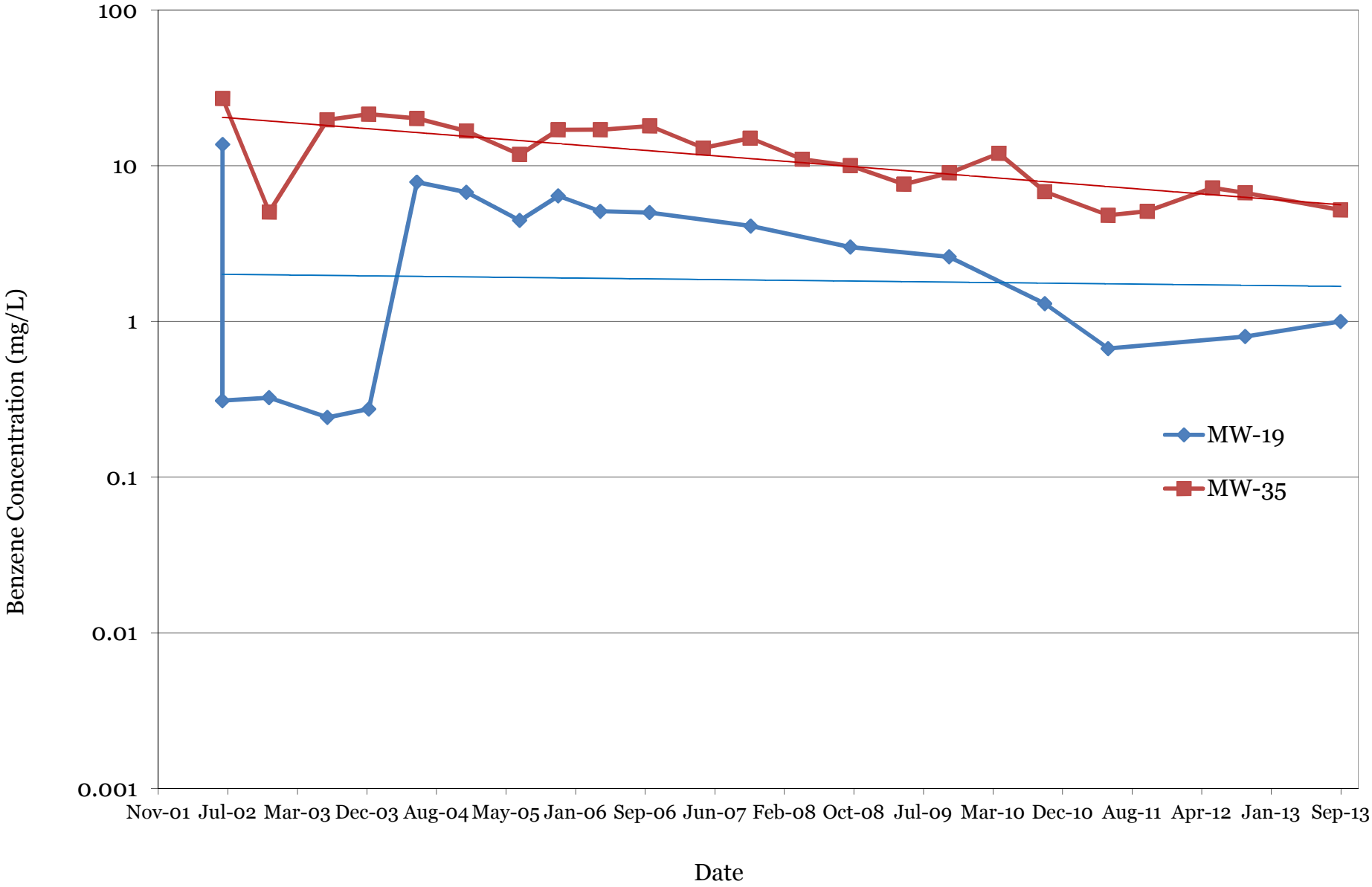


Figure 6-2: Plume Wells-MW-27 and MW-34 Benzene Trend

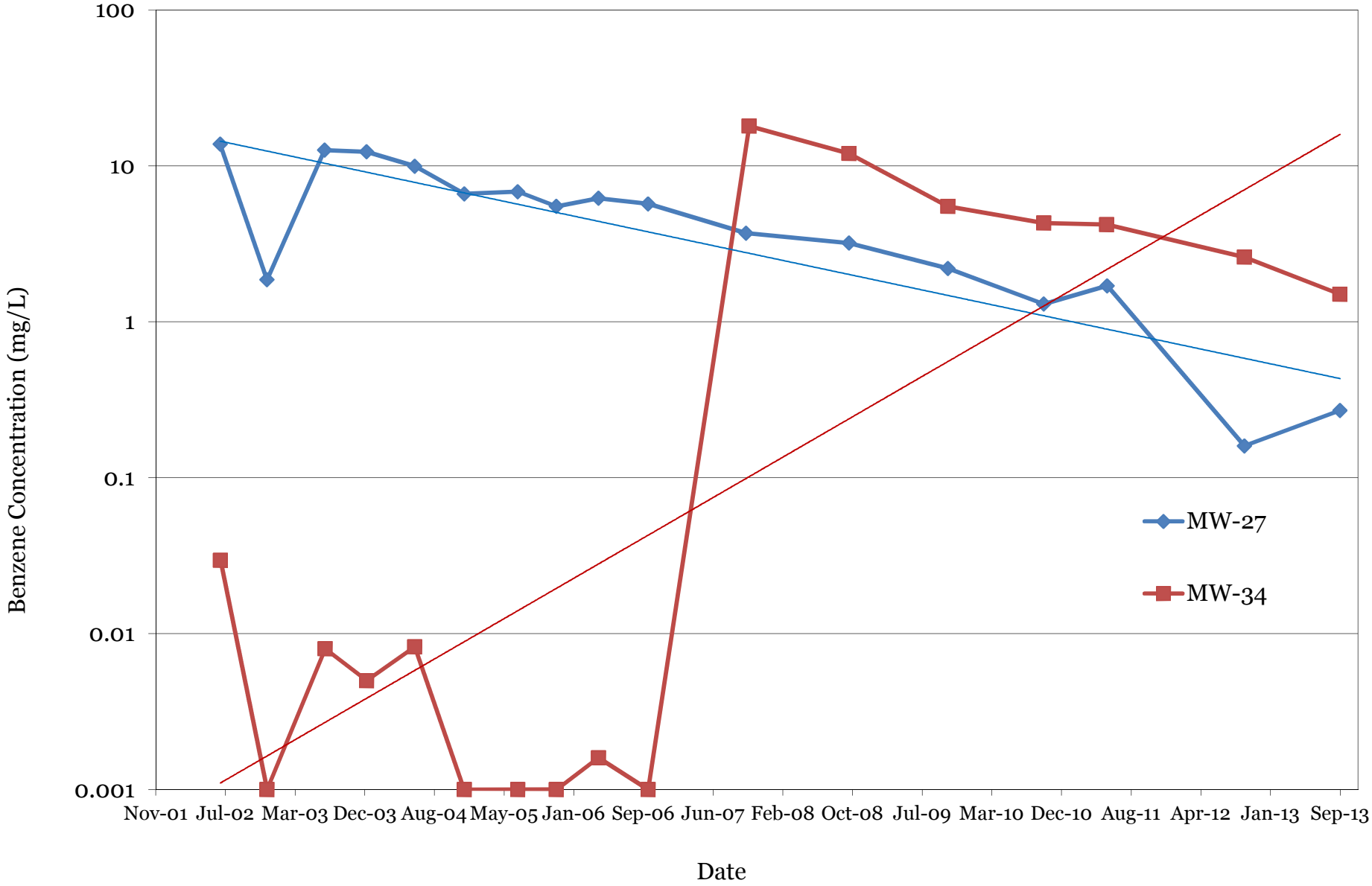


Figure 6-3: Plume Wells-MW-13 and MW-38 Benzene Trend

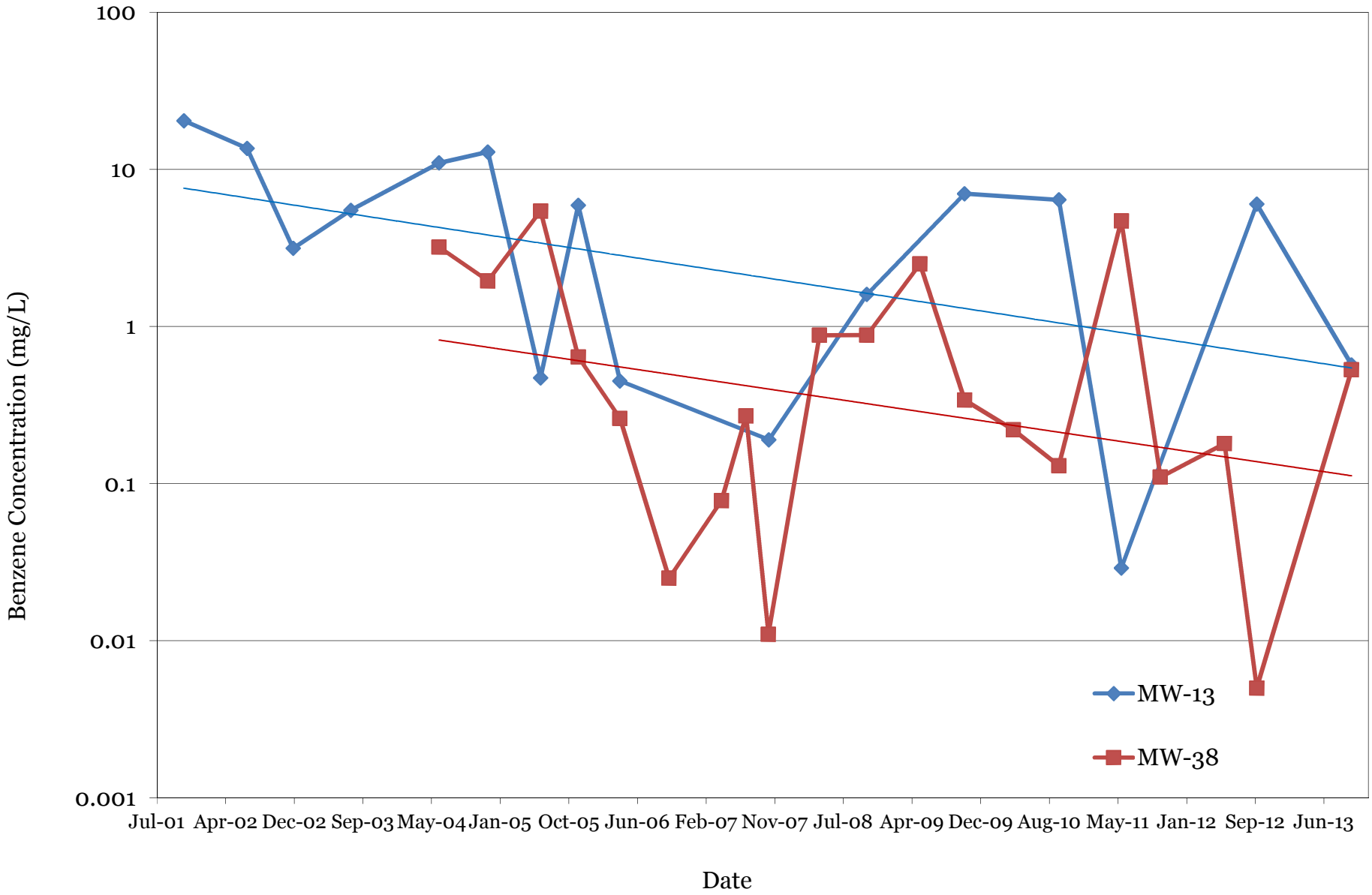


Figure 6-4: Plume Wells-MW-17, MW-36, and MW-37 Benzene Trend

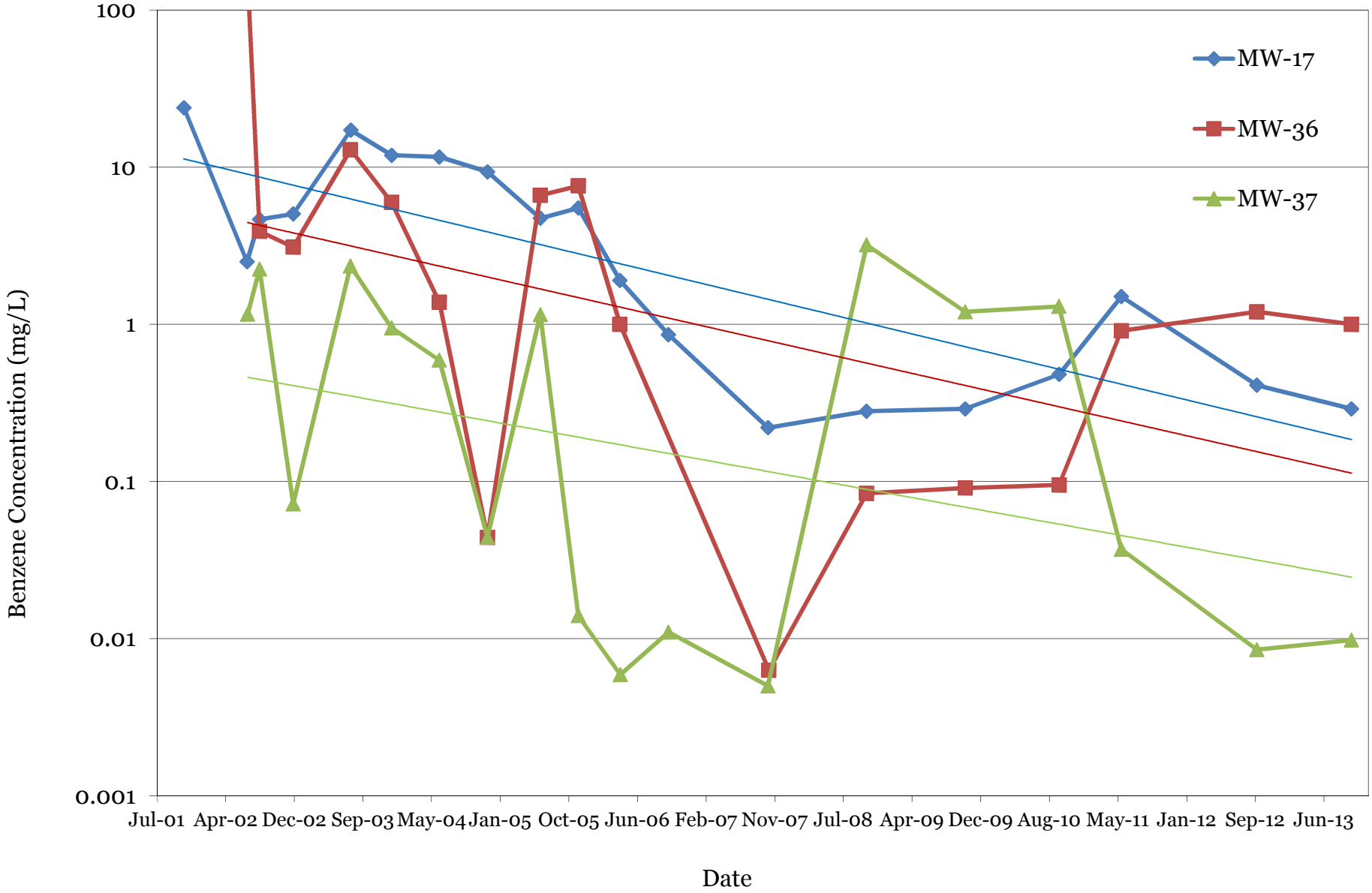


Figure 6-5: Plume Wells-MW-20 and MW-22/22R Benzene Trend

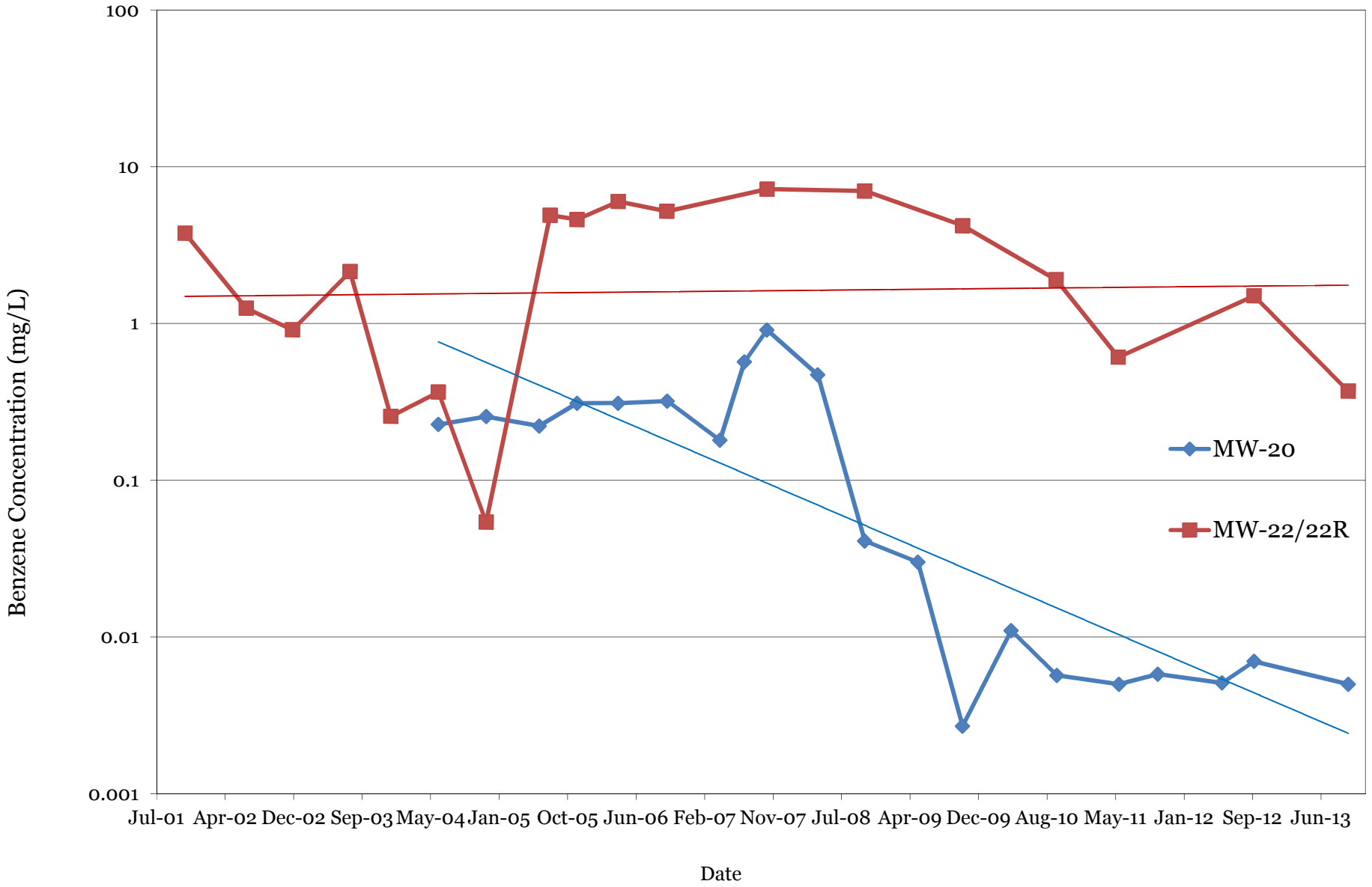


Figure 6-6: Plume Wells-MW-26 and MW-42 Benzene Trend

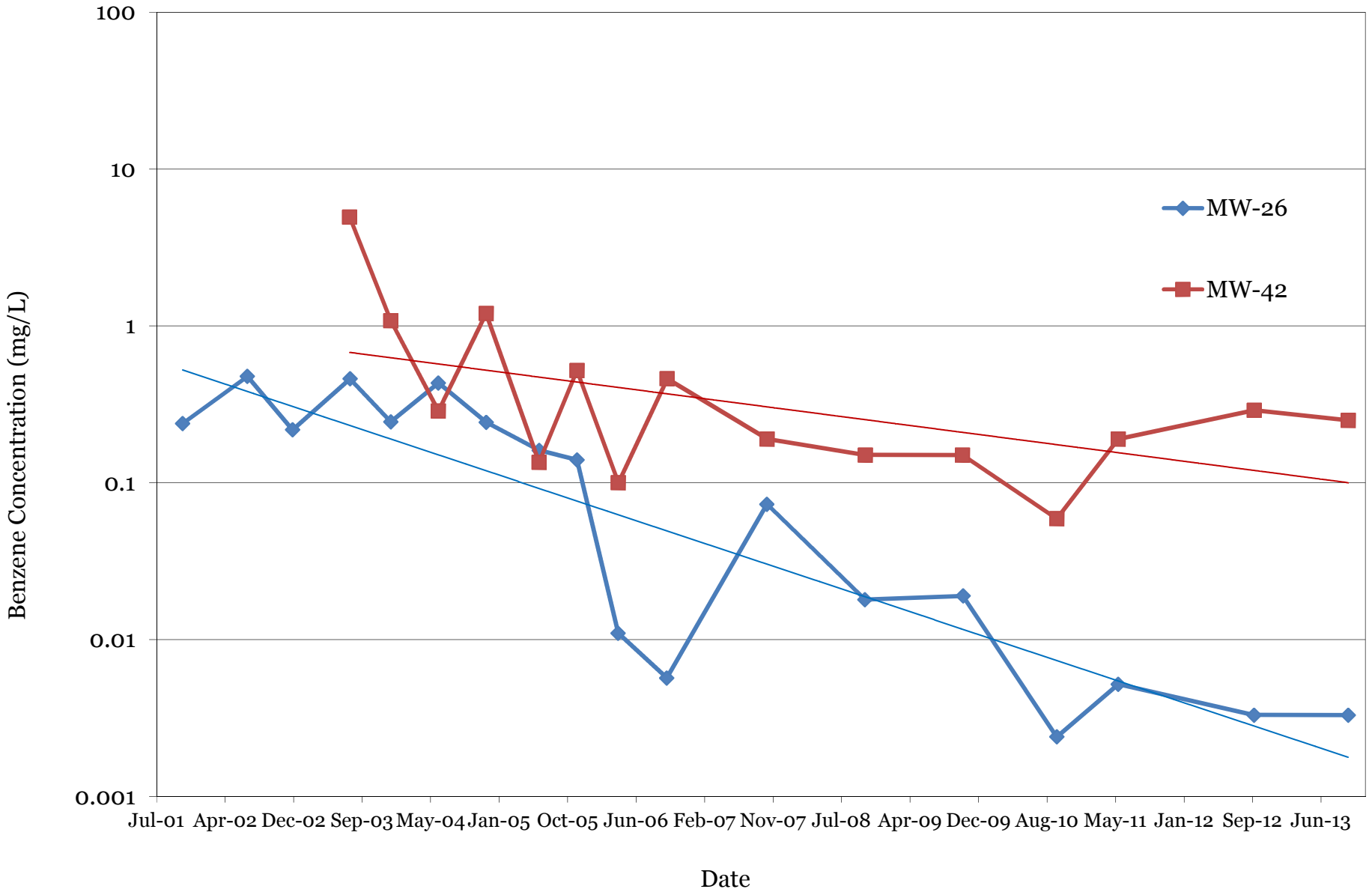


Figure 7-1: Perimeter Wells-MW-43 and MW-46 Benzene Trend

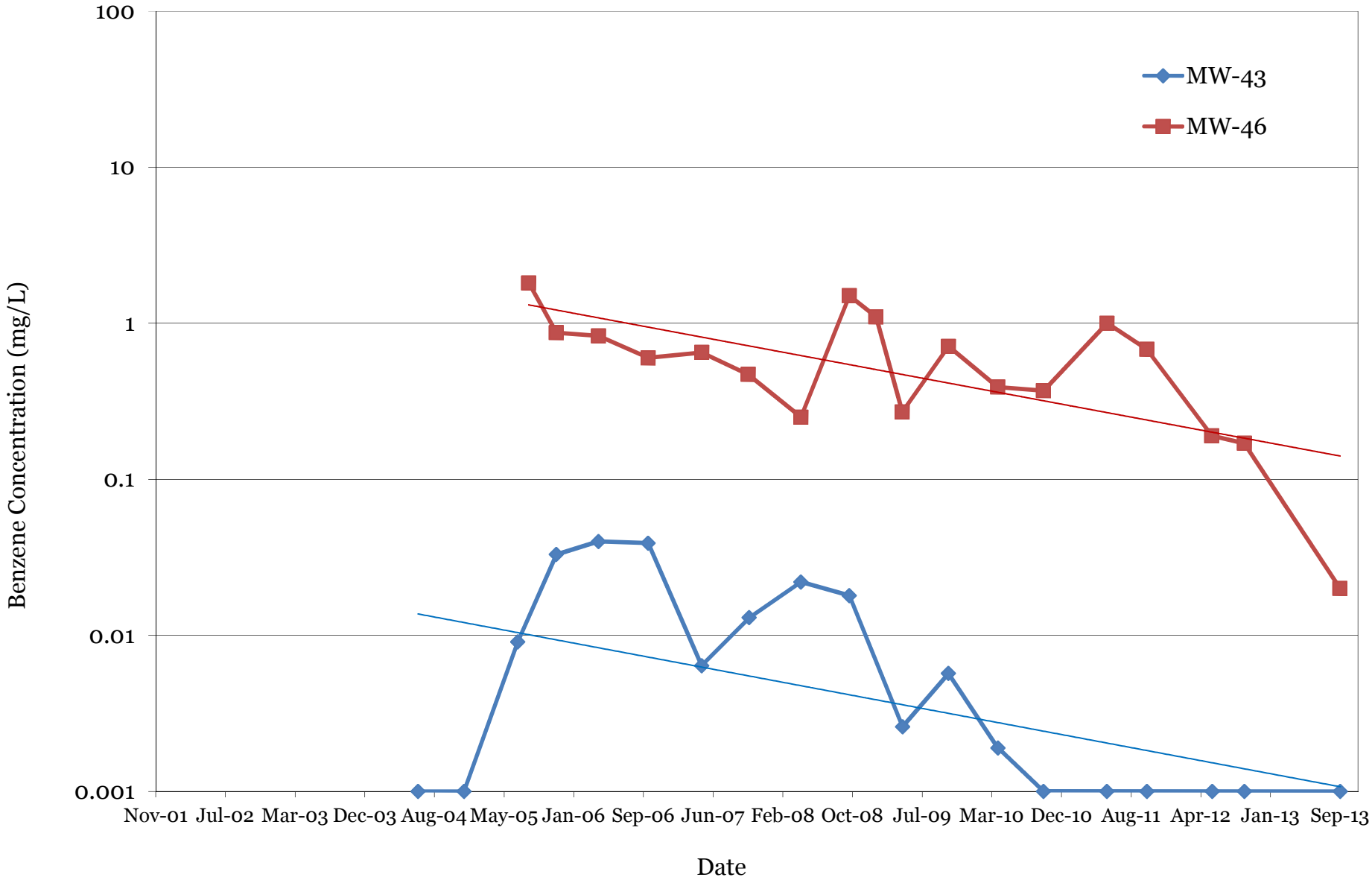


Figure 7-2: Perimeter Wells-MW-18, MW-21, and MW-25 Benzene Trend

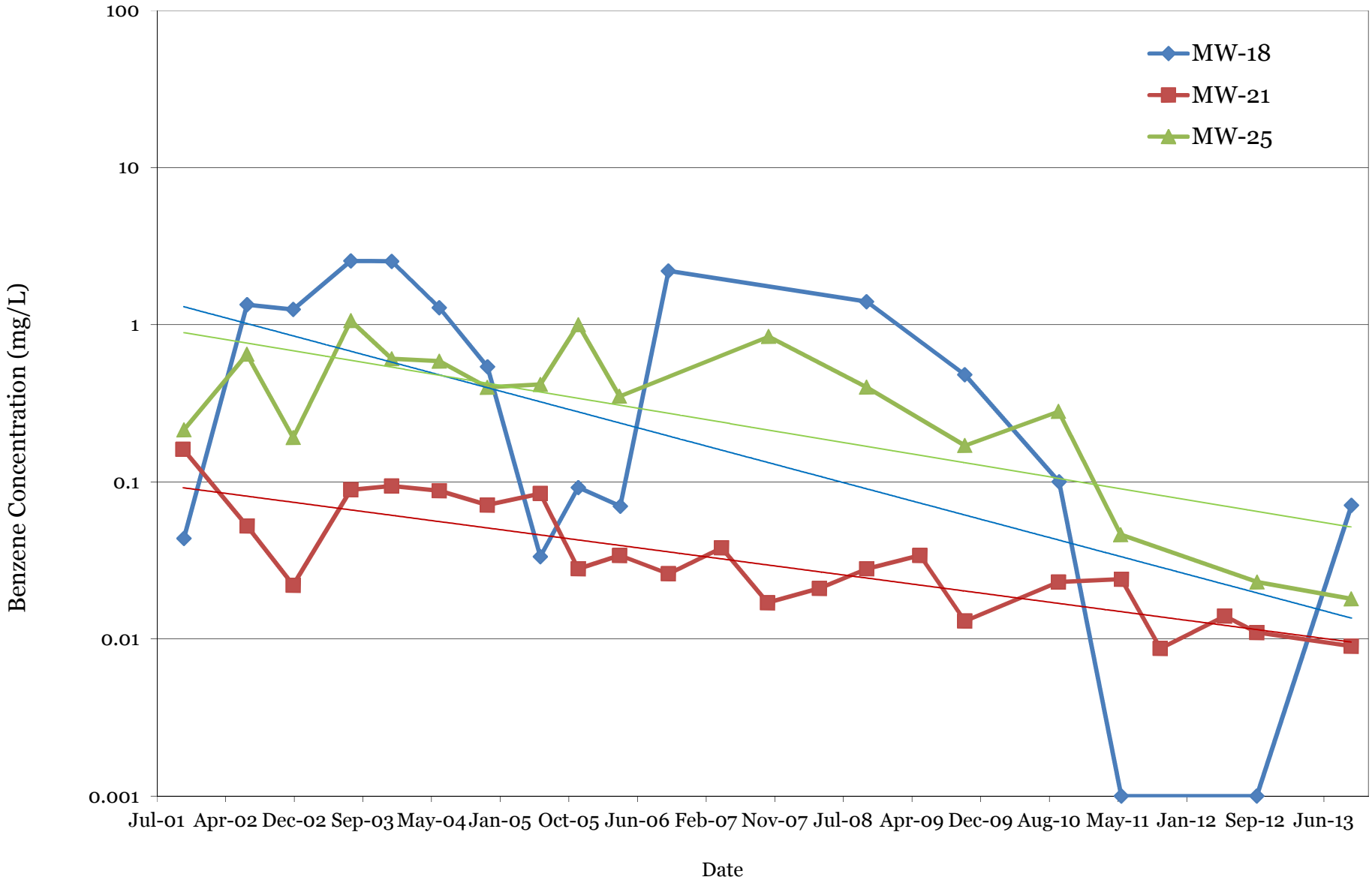


Figure 7-3: Perimeter Wells-MW-6, MW-7, and MW-8 Benzene Trend

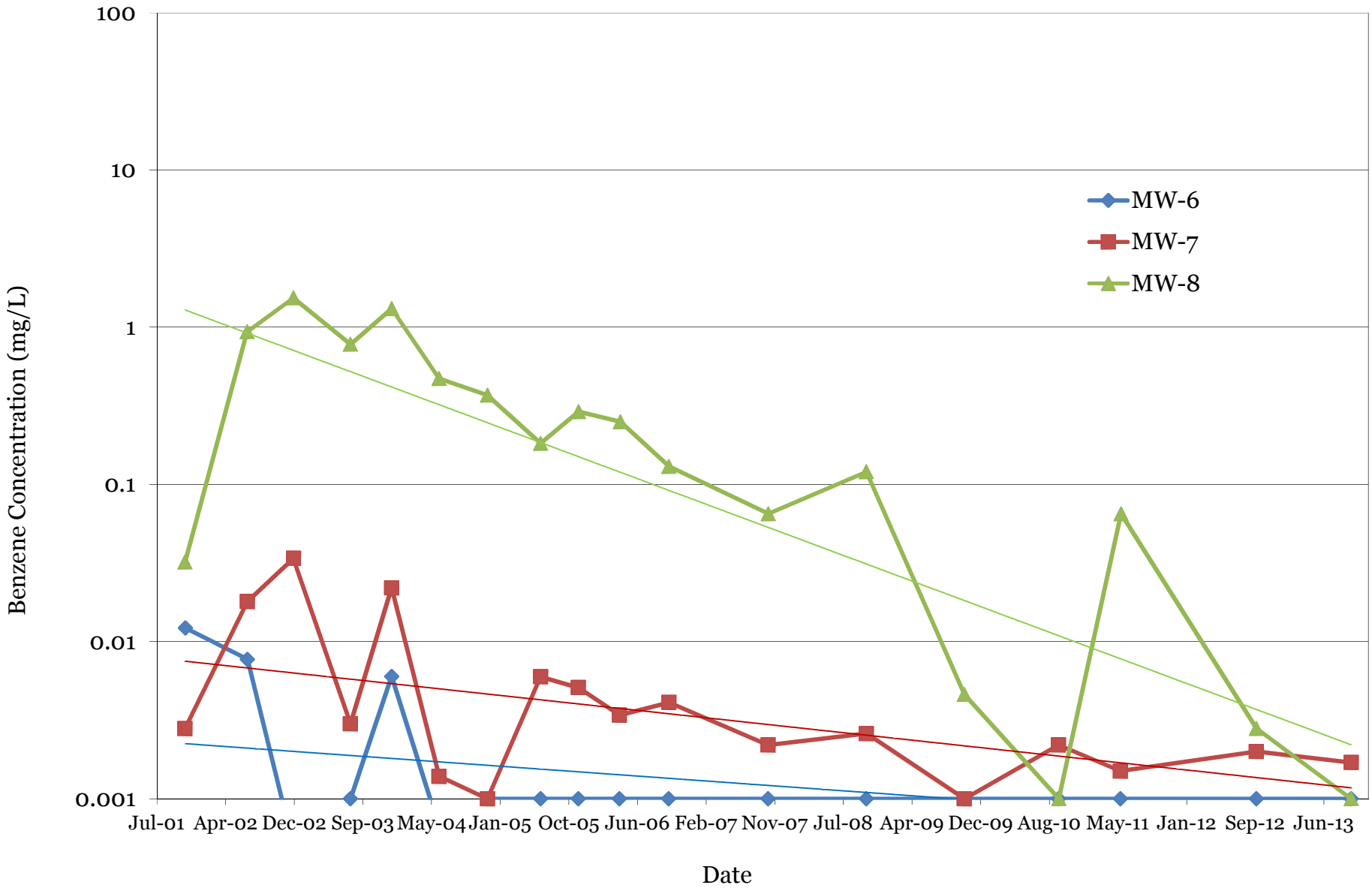


Figure 7-4: Perimeter Wells-MW-9, MW-11, and MW-16 Benzene Trend

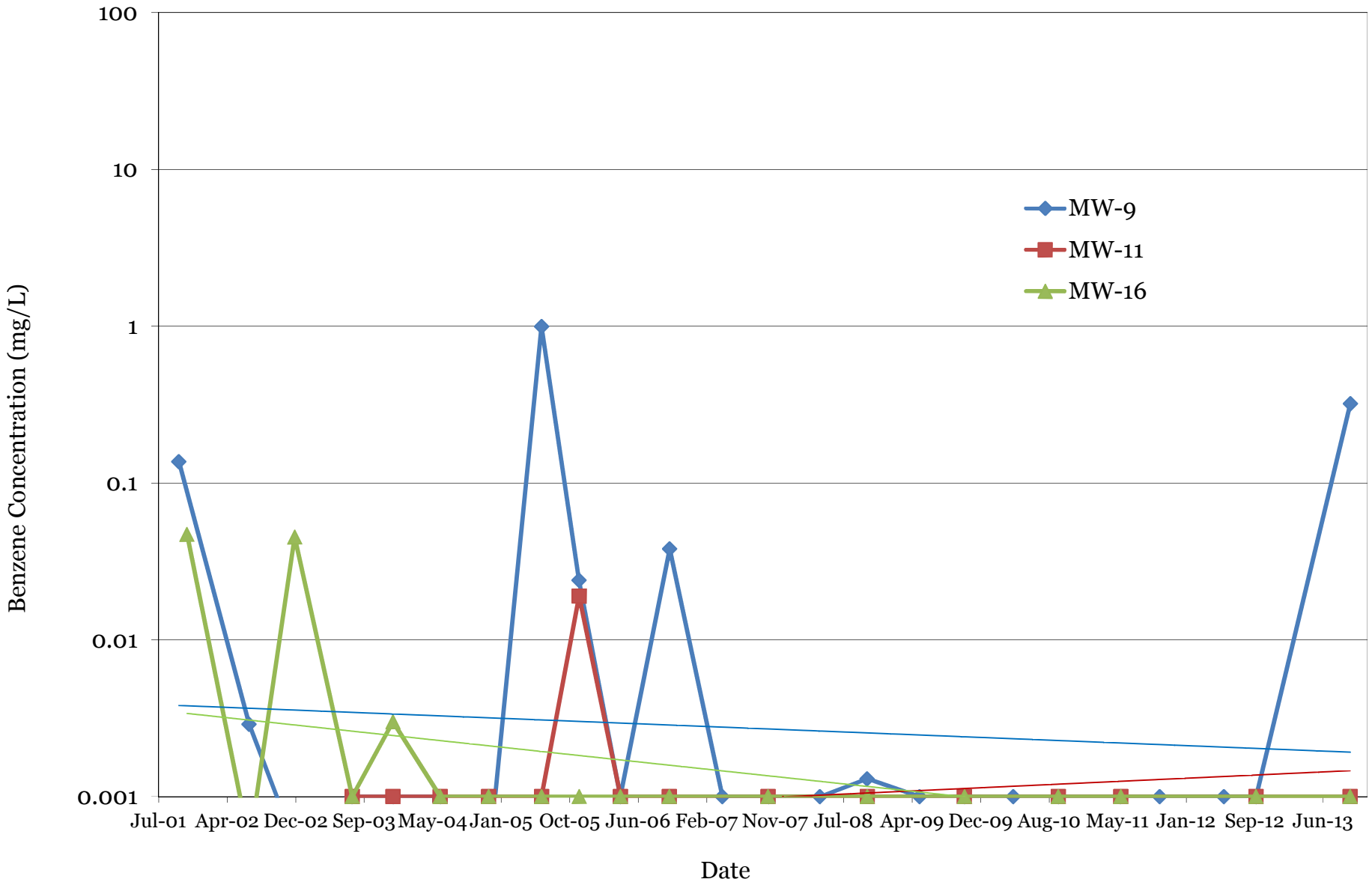


Figure 7-5: Perimeter Wells-MW-4, MW-23, and MW-39 Benzene Trend

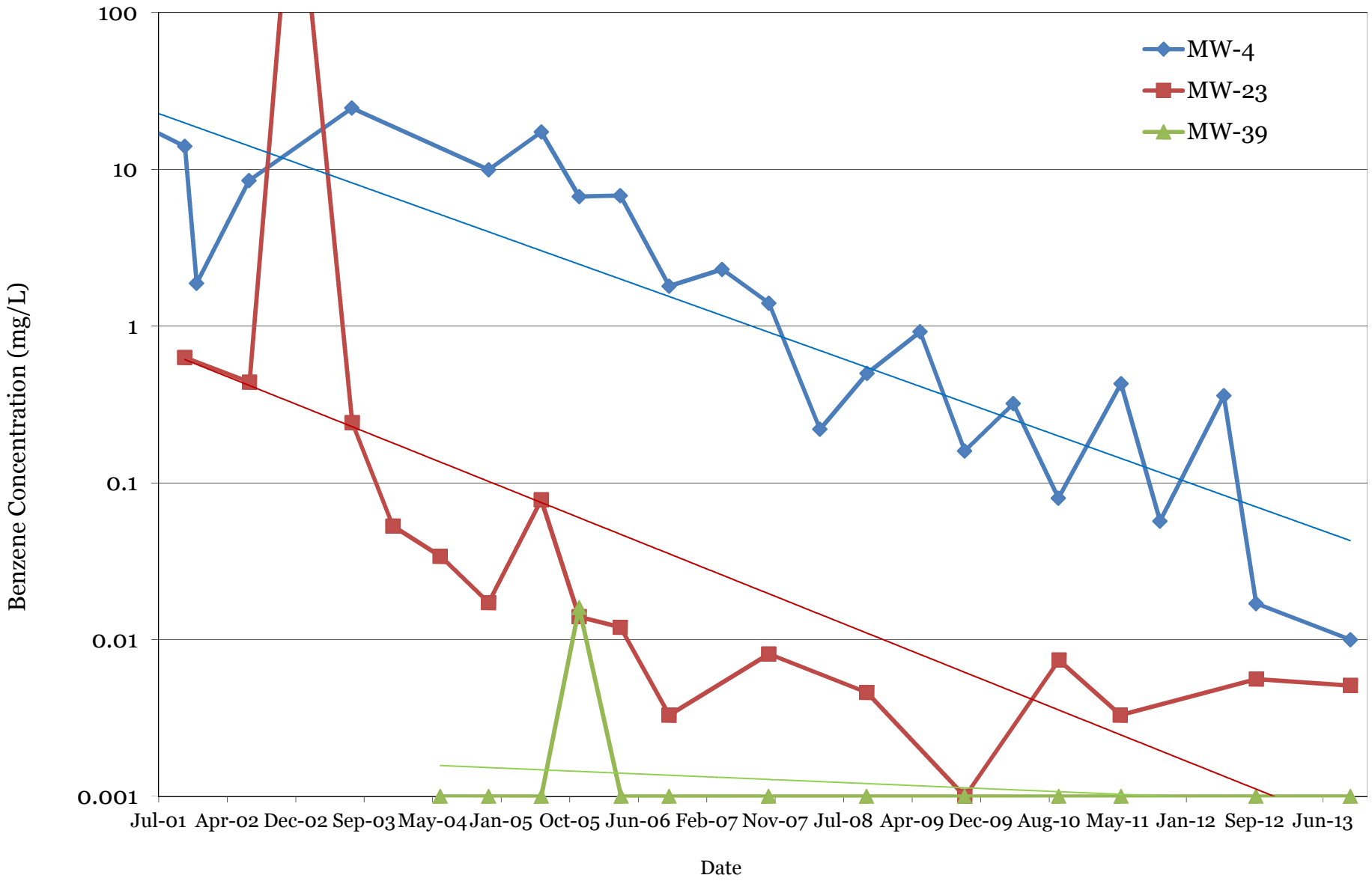


Figure 7-6: Perimeter Wells-MW-28 and MW-29 Benzene Trend

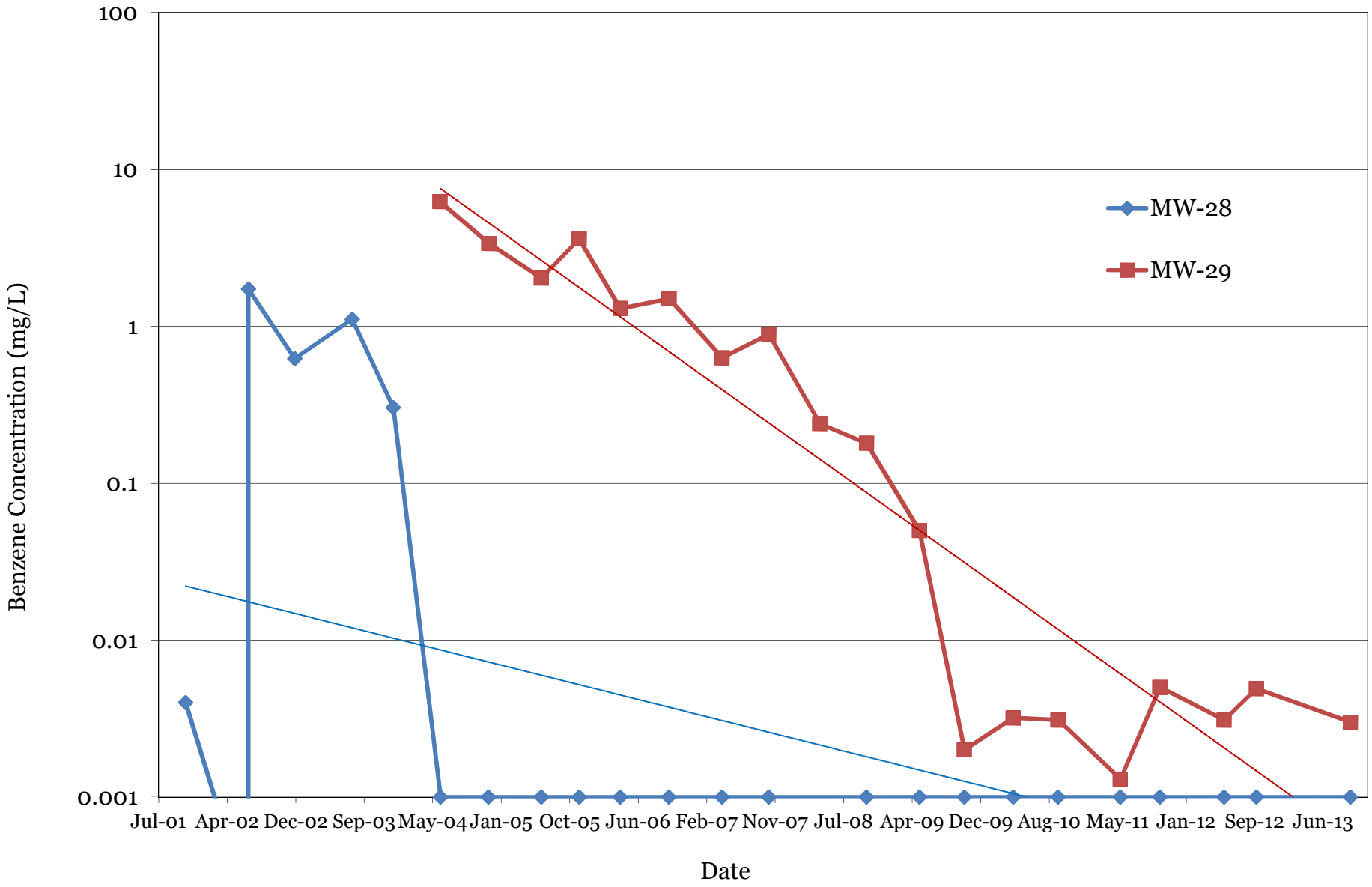


Figure 8-1: Distal Wells-MW-30, MW-31, and MW-45 Benzene Trend

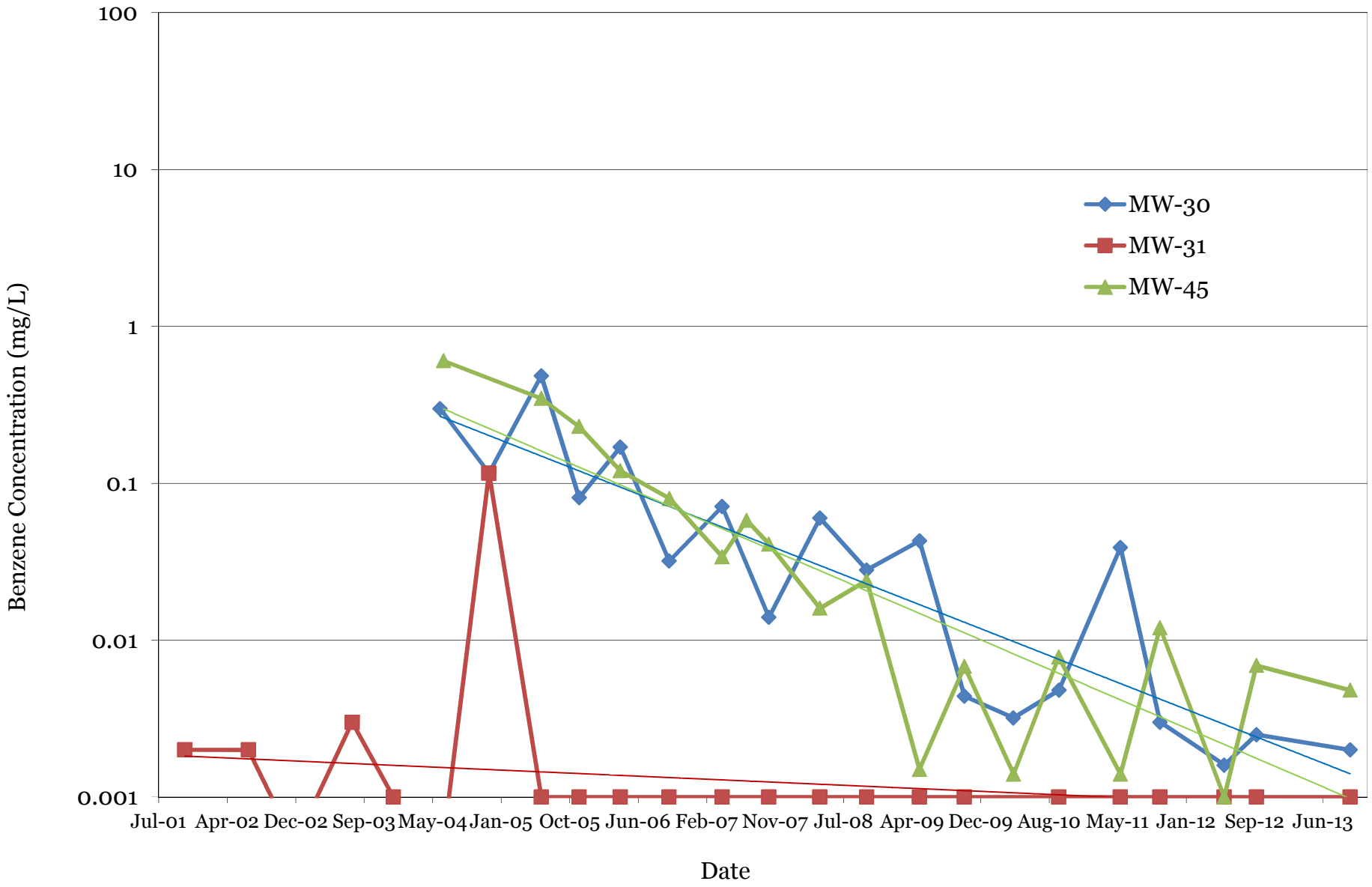
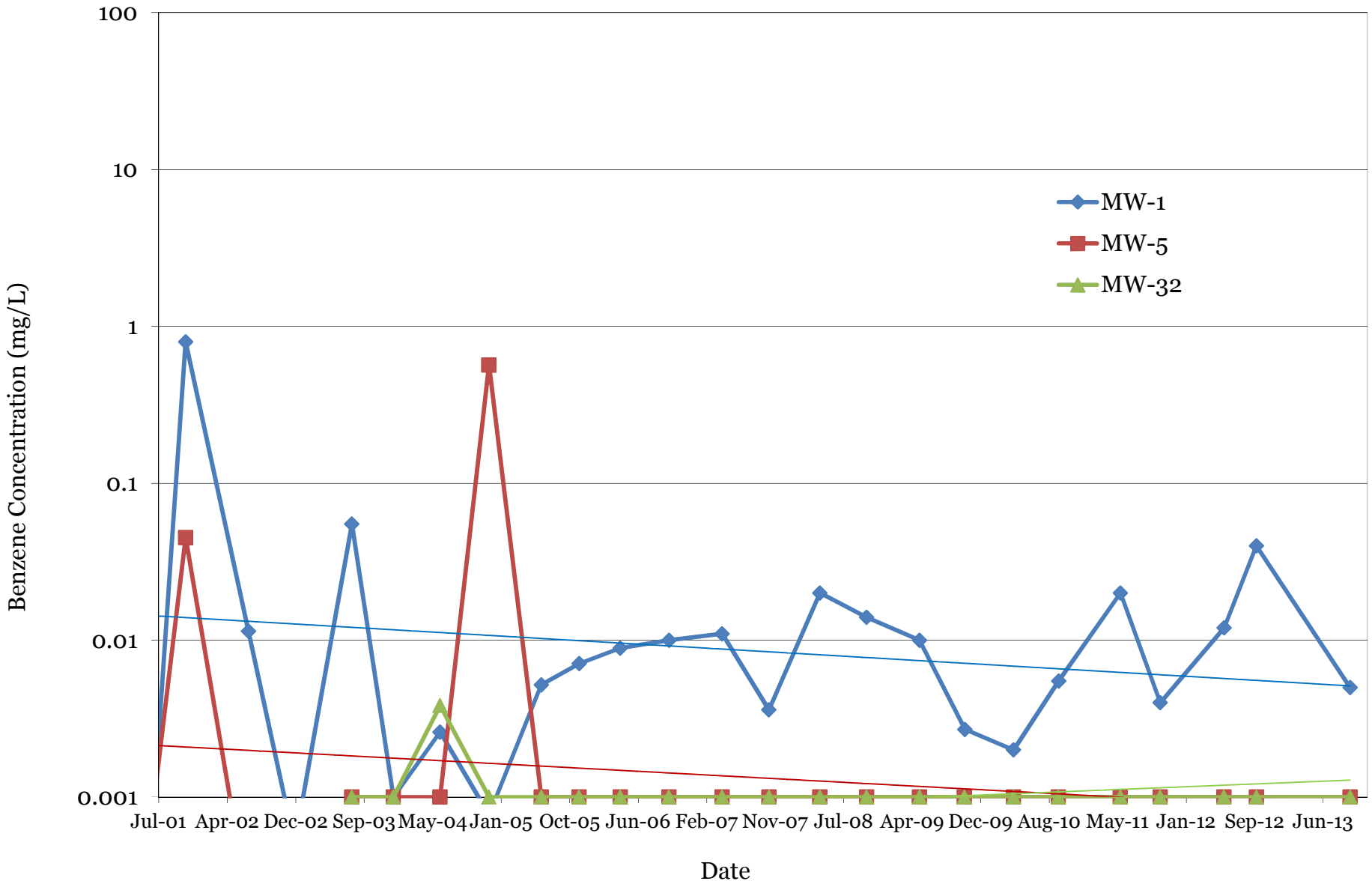


Figure 8-2: Distal Wells-MW-1, MW-5, and MW-32 Benzene Trend



Appendix A
Laboratory Analytical Reports

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

October 02, 2013

Project: Wilson Creek

Submittal Date: 09/24/2013
Group Number: 1421032
PO Number: 89CH.49557.08
Release Number: WILSON CREEK
State of Sample Origin: CO

Client Sample Description	Lancaster Labs (LL) #
MW-46-091713 Grab Groundwater	7209172
MW-33-091713 Grab Groundwater	7209173
MW-34-091713 Grab Groundwater	7209174
MW-27-091713 Grab Groundwater	7209175
MW-35-091713 Grab Groundwater	7209176
MW-19-091713 Grab Groundwater	7209177
MW-43-091813 Grab Groundwater	7209178
MW-44-091813 Grab Groundwater	7209179
MW-12-091813 Grab Groundwater	7209180
MW-16-091813 Grab Groundwater	7209181
MW-11-091813 Grab Groundwater	7209182
MW-1-091813 Grab Groundwater	7209183
DUP-01 Grab Groundwater	7209184
MW-5-091813 Grab Groundwater	7209185
MW-32-091813 Grab Groundwater	7209186
MW-31-091813 Grab Groundwater	7209187
MW-45-091813 Grab Groundwater	7209188
MW-30-091813 Grab Groundwater	7209189
MW-9-091913 Grab Groundwater	7209190
MW-26-091913 Grab Groundwater	7209191
DUP-02 Grab Groundwater	7209192
DUP-03 Grab Groundwater	7209193
DUP-04 Grab Groundwater	7209194
DUP-05 Grab Groundwater	7209195
MW-6-091913 Grab Groundwater	7209196
MW-29-091913 Grab Groundwater	7209197
MW-7-091913 Grab Groundwater	7209198
MW-15-091913 Grab Groundwater	7209199
MW-8-091913 Grab Groundwater	7209200
MW-28-091913 Grab Groundwater	7209201
MW-25-091913 Grab Groundwater	7209202

MW-22R-091913 Grab Groundwater	7209203
MW-23-091913 Grab Groundwater	7209204
MW-20-091913 Grab Groundwater	7209205
MW-21-091913 Grab Groundwater	7209206
MW-2-091913 Grab Groundwater	7209207
MW-4-091913 Grab Groundwater	7209208
MW-39-091913 Grab Groundwater	7209209
MW-42-091913 Grab Groundwater	7209210
MW-13-092013 Grab Groundwater	7209211
MW-17-092013 Grab Groundwater	7209212
MW-18-092013 Grab Groundwater	7209213
MW-36-092013 Grab Groundwater	7209214
MW-37-092013 Grab Groundwater	7209215
MW-38-092013 Grab Groundwater	7209216
Trip Blank Water	7209217
Pond-1-092013 Grab Groundwater	7209218

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

ELECTRONIC COPY TO STANTEC Consulting, Inc. Attn: Christopher Beall

Respectfully Submitted,

Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

Sample Description: MW-46-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209172
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 10:40 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	20	1.0	1
02102	Ethylbenzene	100-41-4	5.0	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	3.1	3.0	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	13268A53A	09/26/2013 20:36	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268A53A	09/26/2013 20:36	Catherine J Schwarz	1

Sample Description: MW-33-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209173
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 11:16 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1,800	5.0	5
02102	Ethylbenzene	100-41-4	76	1.0	1
02102	Toluene	108-88-3	1.6	1.0	1
02102	Total Xylenes	1330-20-7	< 360	360	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	13268A53A	09/26/2013 21:03	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	13268A53A	09/27/2013 03:34	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	13268A53A	09/26/2013 21:03	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	2	13268A53A	09/27/2013 03:34	Catherine J Schwarz	5

Sample Description: MW-34-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209174
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 12:25 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1,500	5.0	5
02102	Ethylbenzene	100-41-4	190	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	1,400	15	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	13268A53A	09/27/2013 04:01	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	13268A53A	09/27/2013 04:01	Catherine J Schwarz	5

Sample Description: MW-27-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209175
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 12:54 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	270	1.0	1
02102	Ethylbenzene	100-41-4	26	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	37	3.0	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	13268A53A	09/26/2013 23:07	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268A53A	09/26/2013 23:07	Catherine J Schwarz	1

Sample Description: MW-35-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209176
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 13:28 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	5,200	20	20
02102	Ethylbenzene	100-41-4	780	10	10
02102	Toluene	108-88-3	< 10	10	10
02102	Total Xylenes	1330-20-7	1,500	30	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	13269A53A	09/28/2013 03:50	Catherine J Schwarz	10
02102	Method 8021 Water Master	SW-846 8021B	1	13269A53A	09/28/2013 17:09	Catherine J Schwarz	20
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/28/2013 03:50	Catherine J Schwarz	10
01146	GC VOA Water Prep	SW-846 5030B	2	13269A53A	09/28/2013 17:09	Catherine J Schwarz	20

Sample Description: MW-19-091713 Grab Groundwater
Wilson Creek

LL Sample # WW 7209177
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013 14:40 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1,000	10	10
02102	Ethylbenzene	100-41-4	180	10	10
02102	Toluene	108-88-3	< 10	10	10
02102	Total Xylenes	1330-20-7	330	30	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	13269A53B	09/28/2013 19:49	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53B	09/28/2013 19:49	Marie D Beamenderfer	10

Sample Description: MW-43-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209178
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 08:32 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
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

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	13268B94A	09/26/2013 16:12	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 16:12	Marie D Beamenderfer	1

Sample Description: MW-44-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209179
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 09:59 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	240	5.0	5
02102	Ethylbenzene	100-41-4	24	5.0	5
02102	Toluene	108-88-3	6.3	5.0	5
02102	Total Xylenes	1330-20-7	31	15	5

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	13270A53A	10/01/2013 18:52	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13270A53A	10/01/2013 18:52	Marie D Beamenderfer	5

Sample Description: MW-12-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209180
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 10:23 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC12-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	490	10	10
02102	Ethylbenzene	100-41-4	12	10	10
02102	Toluene	108-88-3	< 35	35	10
02102	Total Xylenes	1330-20-7	55	30	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	13268B94A	09/27/2013 00:36	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/27/2013 00:36	Marie D Beamenderfer	10

Sample Description: MW-16-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209181
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 11:06 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
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

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	13268B94A	09/26/2013 17:02	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 17:02	Marie D Beamenderfer	1

Sample Description: MW-11-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209182
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 11:40 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13268B94A	09/26/2013 17:28	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 17:28	Marie D Beamenderfer	1

Sample Description: MW-1-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209183
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 14:13 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	5.0	5.0	5
02102	Ethylbenzene	100-41-4	8.8	5.0	5
02102	Toluene	108-88-3	< 5.0	5.0	5
02102	Total Xylenes	1330-20-7	27	15	5

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	13268B94A	09/27/2013 01:01	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/27/2013 01:01	Marie D Beamenderfer	5

Sample Description: DUP-01 Grab Groundwater
Wilson Creek

LL Sample # WW 7209184
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCFD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	420	10	10
02102	Ethylbenzene	100-41-4	< 10	10	10
02102	Toluene	108-88-3	< 35	35	10
02102	Total Xylenes	1330-20-7	43	30	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	13268B94A	09/27/2013 01:26	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/27/2013 01:26	Marie D Beamenderfer	10

Sample Description: MW-5-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209185
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 14:47 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC05-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
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

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	13268B94A	09/26/2013 18:43	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 18:43	Marie D Beamenderfer	1

Sample Description: MW-32-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209186
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 15:04 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13268B94A	09/26/2013 19:59	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 19:59	Marie D Beamenderfer	1

Sample Description: MW-31-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209187
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 15:36 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13268B94A	09/26/2013 20:24	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 20:24	Marie D Beamenderfer	1

Sample Description: MW-45-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209188
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 15:45 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	4.8	1.0	1
02102	Ethylbenzene	100-41-4	2.4	1.0	1
02102	Toluene	108-88-3	< 15	15	1
02102	Total Xylenes	1330-20-7	4.1	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	13268B94A	09/26/2013 20:49	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 20:49	Marie D Beamenderfer	1

Sample Description: MW-30-091813 Grab Groundwater
Wilson Creek

LL Sample # WW 7209189
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/18/2013 15:57 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	2.0	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

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	13268B94A	09/26/2013 21:14	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 21:14	Marie D Beamenderfer	1

Sample Description: MW-9-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209190
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 08:18 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC09-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	320	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

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	13268B94A	09/26/2013 21:39	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 21:39	Marie D Beamenderfer	1

Sample Description: MW-26-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209191
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 08:45 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	3.3	1.0	1
02102	Ethylbenzene	100-41-4	1.4	1.0	1
02102	Toluene	108-88-3	< 7.0	7.0	1
02102	Total Xylenes	1330-20-7	4.4	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	13268B94A	09/26/2013 22:05	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 22:05	Marie D Beamenderfer	1

Sample Description: DUP-02 Grab Groundwater
Wilson Creek

LL Sample # WW 7209192
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCFD2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	370	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

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	13268B94A	09/26/2013 22:30	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 22:30	Marie D Beamenderfer	1

Sample Description: DUP-03 Grab Groundwater
Wilson Creek

LL Sample # WW 7209193
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCFD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13268B94A	09/26/2013 22:55	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 22:55	Marie D Beamenderfer	1

Sample Description: DUP-04 Grab Groundwater
Wilson Creek

LL Sample # WW 7209194
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCFD4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	4.3	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	6.6	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	13268B94A	09/26/2013 23:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13268B94A	09/26/2013 23:20	Marie D Beamenderfer	1

Sample Description: DUP-05 Grab Groundwater
Wilson Creek

LL Sample # WW 7209195
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCFD5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	12	10	10
02102	Ethylbenzene	100-41-4	< 10	10	10
02102	Toluene	108-88-3	< 10	10	10
02102	Total Xylenes	1330-20-7	< 30	30	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	13269A53A	09/28/2013 16:43	Laura M Krieger	10
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/28/2013 16:43	Laura M Krieger	10

Sample Description: MW-6-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209196
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 11:35 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
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

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	13269A53A	09/27/2013 19:22	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 19:22	Catherine J Schwarz	1

Sample Description: MW-29-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209197
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 12:58 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	3.0	1.0	1
02102	Ethylbenzene	100-41-4	2.5	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	< 9.0	9.0	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	13269A53A	09/27/2013 19:49	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 19:49	Catherine J Schwarz	1

Sample Description: MW-7-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209198
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 11:48 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1.7	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	5.2	3.0	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	13269A53A	09/27/2013 20:16	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 20:16	Catherine J Schwarz	1

Sample Description: MW-15-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209199
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 12:14 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	3.9	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

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	13269A53A	09/27/2013 20:42	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 20:42	Catherine J Schwarz	1

Sample Description: MW-8-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209200
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 12:36 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13269A53A	09/27/2013 21:09	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 21:09	Catherine J Schwarz	1

Sample Description: MW-28-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209201
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 13:13 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13269A53A	09/27/2013 21:36	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 21:36	Catherine J Schwarz	1

Sample Description: MW-25-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209202
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 13:34 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	18	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	9.5	3.0	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	13269A53A	09/27/2013 22:03	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 22:03	Catherine J Schwarz	1

Sample Description: MW-22R-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209203
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 13:50 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	370	1.0	1
02102	Ethylbenzene	100-41-4	4.8	1.0	1
02102	Toluene	108-88-3	< 1.0	1.0	1
02102	Total Xylenes	1330-20-7	110	3.0	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	13269A53A	09/27/2013 22:29	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 22:29	Catherine J Schwarz	1

Sample Description: MW-23-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209204
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 14:12 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
02102	Benzene	71-43-2	5.1	1.0	1
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	1.4	1.0	1
02102	Total Xylenes	1330-20-7	7.6	3.0	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	13269A53A	09/27/2013 22:56	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 22:56	Catherine J Schwarz	1

Sample Description: MW-20-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209205
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 14:38 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
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	< 15	15	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	13269A53A	09/28/2013 15:22	Laura M Krieger	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/28/2013 15:22	Laura M Krieger	5

Sample Description: MW-21-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209206
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 14:53 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	9.0	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	< 15	15	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	13269A53A	09/28/2013 15:49	Laura M Krieger	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/28/2013 15:49	Laura M Krieger	5

Sample Description: MW-2-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209207
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 15:08 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	12	5.0	5
02102	Ethylbenzene	100-41-4	6.3	5.0	5
02102	Toluene	108-88-3	< 57	57	5
02102	Total Xylenes	1330-20-7	< 15	15	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	13269A94B	09/30/2013 23:42	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94B	09/30/2013 23:42	Marie D Beamenderfer	5

Sample Description: MW-4-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209208
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 15:18 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC04-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	10	5.0	5
02102	Ethylbenzene	100-41-4	12	5.0	5
02102	Toluene	108-88-3	< 38	38	5
02102	Total Xylenes	1330-20-7	< 15	15	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	13269A94B	10/01/2013 00:07	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94B	10/01/2013 00:07	Marie D Beamenderfer	5

Sample Description: MW-39-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209209
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 15:30 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13269A94A	09/29/2013 00:54	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 00:54	Marie D Beamenderfer	1

Sample Description: MW-42-091913 Grab Groundwater
Wilson Creek

LL Sample # WW 7209210
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/19/2013 15:40 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	250	1.0	1
02102	Ethylbenzene	100-41-4	5.2	1.0	1
02102	Toluene	108-88-3	2.1	1.0	1
02102	Total Xylenes	1330-20-7	28	3.0	1

A preserved vial was submitted for analysis. However, the pH at the time of analysis was 5.

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	13269A94A	09/29/2013 05:07	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 05:07	Marie D Beamenderfer	1

Sample Description: MW-13-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209211
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 09:15 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	570	5.0	5
02102	Ethylbenzene	100-41-4	< 1.0	1.0	1
02102	Toluene	108-88-3	1.3	1.0	1
02102	Total Xylenes	1330-20-7	8.4	3.0	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	13269A94A	09/29/2013 05:32	Marie D Beamenderfer	1
02102	Method 8021 Water Master	SW-846 8021B	1	13269A94B	10/01/2013 00:33	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 05:32	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	2	13269A94B	10/01/2013 00:33	Marie D Beamenderfer	5

Sample Description: MW-17-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209212
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 08:46 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	290	5.0	5
02102	Ethylbenzene	100-41-4	8.5	5.0	5
02102	Toluene	108-88-3	< 55	55	5
02102	Total Xylenes	1330-20-7	< 15	15	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	13269A94B	10/01/2013 00:58	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94B	10/01/2013 00:58	Marie D Beamenderfer	5

Sample Description: MW-18-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209213
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 09:02 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	71	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

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	13269A94A	09/29/2013 01:20	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 01:20	Marie D Beamenderfer	1

Sample Description: MW-36-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209214
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 08:34 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	1,000	5.0	5
02102	Ethylbenzene	100-41-4	8.7	5.0	5
02102	Toluene	108-88-3	< 43	43	5
02102	Total Xylenes	1330-20-7	< 15	15	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	13269A94A	09/29/2013 08:53	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 08:53	Marie D Beamenderfer	5

Sample Description: MW-37-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209215
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 08:14 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-37

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	9.8	5.0	5
02102	Ethylbenzene	100-41-4	< 5.0	5.0	5
02102	Toluene	108-88-3	< 37	37	5
02102	Total Xylenes	1330-20-7	< 15	15	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	13269A94B	10/01/2013 01:23	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94B	10/01/2013 01:23	Marie D Beamenderfer	5

Sample Description: MW-38-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209216
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 09:28 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		**ug/l**	**ug/l**	
02102	Benzene	71-43-2	530	10	10
02102	Ethylbenzene	100-41-4	< 10	10	10
02102	Toluene	108-88-3	< 130	130	10
02102	Total Xylenes	1330-20-7	43	30	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	13269A94B	10/01/2013 01:48	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94B	10/01/2013 01:48	Marie D Beamenderfer	10

Sample Description: Trip Blank Water
Wilson Creek

LL Sample # WW 7209217
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/17/2013

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WCTB-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13269A53A	09/27/2013 18:55	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A53A	09/27/2013 18:55	Catherine J Schwarz	1

Sample Description: Pond-1-092013 Grab Groundwater
Wilson Creek

LL Sample # WW 7209218
LL Group # 1421032
Account # 11842

Project Name: Wilson Creek

Collected: 09/20/2013 08:05 by CB

Submitted: 09/24/2013 09:15
Reported: 10/02/2013 15:44

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

WC-P1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC Volatiles	**SW-846 8021B**		ug/l	ug/l	
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

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	13269A94A	09/29/2013 01:45	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13269A94A	09/29/2013 01:45	Marie D Beamenderfer	1

Quality Control Summary

Client Name: STANTEC Consulting, Inc. Group Number: 1421032
Reported: 10/02/13 at 03:44 PM

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

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 13268A53A	Sample number(s): 7209172-7209175							
Benzene	< 1.0	1.0	ug/l	104		80-120		
Ethylbenzene	< 1.0	1.0	ug/l	104		80-120		
Toluene	< 1.0	1.0	ug/l	107		80-120		
Total Xylenes	< 3.0	3.0	ug/l	108		80-120		
Batch number: 13268B94A	Sample number(s): 7209178,7209180-7209194							
Benzene	< 1.0	1.0	ug/l	97	102	80-120	4	30
Ethylbenzene	< 1.0	1.0	ug/l	100	105	80-120	5	30
Toluene	< 1.0	1.0	ug/l	98	102	80-120	4	30
Total Xylenes	< 3.0	3.0	ug/l	100	105	80-120	5	30
Batch number: 13269A53A	Sample number(s): 7209176,7209195-7209206,7209217							
Benzene	< 1.0	1.0	ug/l	94	91	80-120	3	30
Ethylbenzene	< 1.0	1.0	ug/l	96	93	80-120	3	30
Toluene	< 1.0	1.0	ug/l	97	94	80-120	3	30
Total Xylenes	< 3.0	3.0	ug/l	99	96	80-120	3	30
Batch number: 13269A53B	Sample number(s): 7209177							
Benzene	< 1.0	1.0	ug/l	94	91	80-120	3	30
Ethylbenzene	< 1.0	1.0	ug/l	96	93	80-120	3	30
Toluene	< 1.0	1.0	ug/l	97	94	80-120	3	30
Total Xylenes	< 3.0	3.0	ug/l	99	96	80-120	3	30
Batch number: 13269A94A	Sample number(s): 7209209-7209211,7209213-7209214,7209218							
Benzene	< 1.0	1.0	ug/l	101	102	80-120	1	30
Ethylbenzene	< 1.0	1.0	ug/l	104	105	80-120	1	30
Toluene	< 1.0	1.0	ug/l	102	104	80-120	2	30
Total Xylenes	< 3.0	3.0	ug/l	104	106	80-120	2	30
Batch number: 13269A94B	Sample number(s): 7209207-7209208,7209211-7209212,7209215-7209216							
Benzene	< 1.0	1.0	ug/l	101	102	80-120	1	30
Ethylbenzene	< 1.0	1.0	ug/l	104	105	80-120	1	30
Toluene	< 1.0	1.0	ug/l	102	104	80-120	2	30
Total Xylenes	< 3.0	3.0	ug/l	104	106	80-120	2	30
Batch number: 13270A53A	Sample number(s): 7209179							
Benzene	< 1.0	1.0	ug/l	99	98	80-120	0	30
Ethylbenzene	< 1.0	1.0	ug/l	100	100	80-120	0	30
Toluene	< 1.0	1.0	ug/l	101	101	80-120	0	30
Total Xylenes	< 3.0	3.0	ug/l	103	103	80-120	0	30

*- 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. Group Number: 1421032
Reported: 10/02/13 at 03:44 PM

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 13268A53A	Sample number(s): 7209172-7209175 UNSPK: P209168								
Benzene	107	106	80-130	1	30				
Ethylbenzene	105	105	80-133	0	30				
Toluene	109	108	80-133	1	30				
Total Xylenes	109	108	80-132	0	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: 13268A53A

	Trifluorotoluene-P
7209172	78
7209173	73
7209174	72
7209175	71
Blank	79
LCS	79
MS	79
MSD	79
Limits:	51-120

Analysis Name: Method 8021 Water Master
Batch number: 13268B94A

	Trifluorotoluene-P
7209178	92
7209180	84
7209181	92
7209182	92
7209183	84
7209184	84
7209185	93
7209186	92
7209187	94
7209188	77
7209189	91
7209190	96
7209191	86
7209192	96
7209193	92
7209194	78
Blank	92

*- 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. Group Number: 1421032
Reported: 10/02/13 at 03:44 PM

Surrogate Quality Control

LCS	91
LCSD	91
Limits:	51-120

Analysis Name: Method 8021 Water Master
Batch number: 13269A53A

	Trifluorotoluene-P
7209176	82
7209195	68
7209196	79
7209197	72
7209198	77
7209199	63
7209200	78
7209201	79
7209202	77
7209203	72
7209204	74
7209205	69
7209206	67
7209217	79
Blank	79
LCS	79
LCSD	79
Limits:	51-120

Analysis Name: Method 8021 Water Master
Batch number: 13269A53B

	Trifluorotoluene-P
7209177	68
Blank	79
LCS	79
LCSD	79
Limits:	51-120

Analysis Name: Method 8021 Water Master
Batch number: 13269A94A

	Trifluorotoluene-P
7209209	94
7209210	93
7209211	91
7209213	93
7209214	81
7209218	92
Blank	93
LCS	91
LCSD	91
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.

Quality Control Summary

Client Name: STANTEC Consulting, Inc. Group Number: 1421032
Reported: 10/02/13 at 03:44 PM

Surrogate Quality Control

Analysis Name: Method 8021 Water Master
Batch number: 13269A94B

	Trifluorotoluene-P
7209207	75
7209208	79
7209212	78
7209215	81
7209216	62
Blank	91
LCS	91
LCSD	91
Limits:	51-120

Analysis Name: Method 8021 Water Master
Batch number: 13270A53A

	Trifluorotoluene-P
7209179	58
Blank	79
LCS	79
LCSD	79
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.

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11842 — For Eurofins Lancaster Laboratories use only — Group # 1421032 Sample # 7209172-218

Instructions on reverse side correspond with circled numbers.

COC # 334331

(1) Client Information

Client: Chevron- Stantec
Acct. #:
Project Name/#: Chevron Wilson Creek
PWSID #:
Project Manager: Chris Beall
P.O. #:
Sampler: Chris Beall
Quote #:
Name of state where samples were collected: Colorado

(4) Matrix: Sediment ☐ Soil ☐ | Water: Ground ☒ Surface ☐ Potable ☐ NPDES ☐ | Other:

(5) Analysis Requested — Preservation Codes: H — 8021B BTEX

For Lab Use Only 1/5
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Remarks

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Other	Total # of Containers	8021B BTEX (H)
MW-46-091713	09/17/13	10:40	X			X		3	X
MW-33-091713	09/17/13	1116	X			X		3	X
MW-34-091713	09/17/13	1225	X			X		3	X
MW-27-091713	09/17/13	1254	X			X		3	X
MW-35-091713	09/17/13	1328	X			X		3	X
MW-19-091713	09/17/13	1440	X			X		3	X
MW-43-091813	09/18/13	0832	X			X		3	X
MW-44-091813	09/18/13	0959	X			X		3	X
MW-12-091813	09/18/13	1023	X			X		3	X
MW-16-091813	09/18/13	1106	X			X		3	X

(7) Turnaround Time (TAT) Requested (please circle)
(Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ____________

E-mail address: christopher.beall@stantec.com

(8) Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	09/23/13	1400			
			[signature]	9-24-13	915

EDD Required? Yes No
If yes, format: ____________

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS X FedEx ____ Other ____

Temperature upon receipt 5.5 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11842 For Eurofins Lancaster Laboratories use only Group # 1421032 Sample # 7209172-218

Instructions on reverse side correspond with circled numbers.

COC # 334332

2/5

(1) Client Information

Client: Chevron- Stantec | Acct. #:

Project Name/#: Chevron Wilson Creek | PWSID #:

Project Manager: Chris Beall | P.O. #:

Sampler: Chris Beall | Quote #:

Name of state where samples were collected: Colorado

(4) Matrix: Sediment ☐ Soil ☐ | Water: Ground ☒ Surface ☐ Potable ☐ NPDES ☐ | Other:

(5) Analysis Requested — Preservation Codes: H — 8021B BTEX

For Lab Use Only FSC: SCR#:

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(6) Remarks

(2) Sample Identification / (3)

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Other	Total # of Containers	8021B BTEX (H)
MW-11-091813	09/18/13	1140	X			X		3	X
MW-1-091813	09/18/13	1413	X			X		3	X
DUP-01	09/18/13	—	X			X		3	X
MW-5-091813	09/18/13	1447	X			X		3	X
MW-32-091813	09/18/13	1504	X			X		3	X
MW-31-091813	09/18/13	1536	X			X		3	X
MW-45-091813	09/18/13	1545	X			X		3	X
MW-30-091813	09/18/13	1557	X			X		3	X
MW-9-091913	09/19/13	0818	X			X		3	X
MW-26-091913	9/19/13	0845	X			X		3	X

(7) Turnaround Time (TAT) Requested (please circle) Standard (circled) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ____________

E-mail address: christopher.beall@stantec.com

Relinquished by	Date	Time	Received by	Date	Time
[signature]	09/23/13	1400			
			[signature]	9.24.13	915

(9)

(8) Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) TX TRRP-13

Type IV (CLP SOW) MA MCP CT RCP

EDD Required? Yes No
If yes, format: ____________

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____

Temperature upon receipt 5.5 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11842 — For Eurofins Lancaster Laboratories use only — Group # 1421032 Sample # 7209172-218

Instructions on reverse side correspond with circled numbers.

COC # 334333 3/5

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1) Client Information

Client: Stantec – Chevron	Acct. #:
Project Name/#: Chevron Wilson Creek	PWSID #:
Project Manager: Chris Beall	P.O. #:
Sampler: Chris Beall	Quote #:
Name of state where samples were collected: Colorado	

(4) Matrix: Sediment ☐ Soil ☐ Water: Ground ☒ Surface ☐ Potable ☐ NPDES ☐ Other:

(5) Analysis Requested — Preservation Codes: H — 8021B BTEX

(6) Remarks

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Other	Total # of Containers	8021B BTEX
DUP-02	09/19/13	—	X			X		3	X
DUP-03	9/19/13	—	↓			↓		3	↓
DUP-04	9/19/13	—	↓			↓		3	↓
DUP-05	9/19/13	—	↓			↓		3	↓
MW-6-091913	9/19/13	1135	↓			↓		3	↓
MW-29-091913	9/19/13	1258	↓			↓		3	↓
MW-7-091913	9/19/13	1148	↓			↓		3	↓
MW-15-091913	9/19/13	1214	↓			↓		3	↓
MW-8-091913	9/19/13	1236	↓			↓		3	↓
MW-28-091913	9/19/13	1313	↓			↓		3	↓

(7) Turnaround Time (TAT) Requested (please circle)
(Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ____________

E-mail address: christopher.beall@stantec.com

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	09/23/13	1400			
			[signature]	9-24-13	915

(8) Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

EDD Required? Yes No
If yes, format: ____________

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS X FedEx ____ Other ____

Temperature upon receipt 5.5 °C

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management 7044.02

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11842 For Eurofins Lancaster Laboratories use only Group # 1421032 Sample # 7209172-218
Instructions on reverse side correspond with circled numbers.

COC # 334334

For Lab Use Only 4/5
FSC:
SCR#:

1 Client Information

Client: Chevron - Stantec	Acct. #:
Project Name/#: Chevron Wilson Creek	PWSID #:
Project Manager: Chris Beall	P.O. #:
Sampler: Chris Beall	Quote #:

Name of state where samples were collected: Colorado

2 Sample Identification | **Collected** Date | Time | **3** Grab | Composite | **4 Matrix** Soil | Sediment | Water: Potable | Ground | NPDES | Surface | Other: | Total # of Containers | **5 Analysis Requested** Preservation Codes: H | 8021B BTEX | **6 Remarks**

Sample Identification	Date	Time	Grab	Composite	Soil	Sediment	Potable	Ground	NPDES	Surface	Other	Total # of Containers	H	8021B BTEX	Remarks
MW-25-091913	9/19/13	~~1314~~	X					X				3	X	X	1334 per C. Beall LMC 9/25
MW-22R-091913	9/19/13	1350										3			
MW-23-091913	9/19/13	1412										3			
MW-20-091913	9/19/13	1438										3			
MW-21-091913	9/19/13	1453										3			
MW-2-091913	9/19/13	1508										3			
MW-4-091913	9/19/13	1518										3			
MW-39-091913	9/19/13	1530										3			
MW-42-091913	9/19/13	1540										3			
MW-13-092013	9/20/13	0915										3			

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

7 Turnaround Time (TAT) Requested (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: Christopher.beall@stantec.com

8 Data Package Options (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
	09/23/13	1400			
				Date 9.24.13	Time 915

9

EDD Required? Yes No
If yes, format:

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS FedEx Other

Temperature upon receipt 5.5 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 11842 — For Eurofins Lancaster Laboratories use only — Group # 1421032 Sample # 7209172-218

Instructions on reverse side correspond with circled numbers.

COC # 334336

For Lab Use Only 5/5
FSC:
SCR#:

(1) Client Information

Client: Chevron - Stantec	Acct. #:
Project Name/#: Wilson Creek - Chevron	PWSID #:
Project Manager: Chris Beall	P.O. #:
Sampler: Chris Beall	Quote #:
Name of state where samples were collected: Colorado	

(4) Matrix: Sediment ☐ Soil ☐ Water: Ground ☒ Surface ☐ Potable ☐ NPDES ☐ Other:

(5) Analysis Requested — Preservation Codes: H — 8021B BTEX

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Other	Total # of Containers	8021B BTEX (H)	(6) Remarks
MW-17-092013	9/20/13	0846	X			X		3	X	
MW-18-092013	9/20/13	0902	X			X		3	X	
MW-36-092013	9/20/13	0834	X			X		3	X	
MW-37-092013	9/20/13	0814	X			X		3	X	
MW-38-092013	9/20/13	~~0924~~	X			X		3	X	0928 per C. Beall UML 9/25/13
Trip Blank	—	—	X			X		2	X	
~~Trip Blank~~	~~—~~	~~—~~	~~X~~			~~X~~		~~2~~	~~X~~ CAB	
Pond-1-092013	092013	0805	X			X		3	X	

(7) Turnaround Time (TAT) Requested (please circle)
Standard (circled) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ____

E-mail address: christopher.beall@stantec.com

(8) Data Package Options (circle if required)

Type I (Validation/non-CLP) — Type VI (Raw Data Only)
Type III (Reduced non-CLP) — TX TRRP-13
Type IV (CLP SOW) — MA MCP — CT RCP

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	09/23/13	1400			
			[signature]	9.24.13	915

EDD Required? Yes No
If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS X FedEx ____ Other ____

Temperature upon receipt 5.5 °C

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.02

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm 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.

ppb parts per billion

Dry weight basis 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.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC 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.