

GW – 025

2011 AGWMR

09 / 11 / 2012



GW-025

September 11, 2012

Mr. Glenn Von Gonten
State of New Mexico – Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2011 Annual Groundwater Monitoring Report
Targa Midstream Services LLC
Monument Gas Plant
Lea County, New Mexico

Dear Mr. Von Gonten:

The enclosed report is submitted to the New Mexico Oil Conservation Division on behalf of Targa Midstream Services LLC (Targa) to present the results of groundwater monitoring performed at the Monument Gas Plant for the 2011 calendar year.

If you have any questions or concerns, please contact Mark Larson or myself at 432.687.0901.

Sincerely,

LARSON & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Coty Woolf', is written over a horizontal line.

Coty Woolf
Staff Professional/Chemistry

Attachments 2011 Annual Groundwater Monitoring Report

c: Mr. Cal Wrangham, Targa Midstream Services LLC
Mr. Randy Duncan, Targa Midstream Services LLC
Mr. Geoffrey Leking, OCD Hobbs Office

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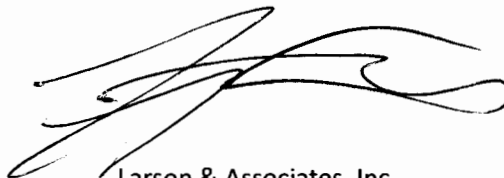
**2011 Annual Groundwater
Monitoring Report
Monument Gas Plant
Lea County, New Mexico**

Project No. 2-0108

September 4, 2012

Prepared for:
Targa Midstream Services LLC
6 Desta Drive, Suite 3300
Midland, Texas 79705

Prepared by:
Coty Woolf
Environmental Scientist/Chemist

A handwritten signature in black ink, appearing to read 'Coty Woolf', with a stylized, flowing script.

Larson & Associates, Inc.
507 North Marienfeld, Suite 200
Midland, Texas 79701

September 4, 2012

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1.0 EXECUTIVE SUMMARY

This report presents the 2011 groundwater monitoring results for the Targa Midstream Services LLC (Targa) Monument Gas Plant (Facility) located approximately 2.6 miles southwest of Monument, New Mexico. The Facility is located in Unit N (SE/4, SW/4), Section 36, Township 19 South, Range 36 East, Lea County, New Mexico. The approximate geodetic position is north 32° 36' 37.79" and west 103° 18' 37.98".

The following activities occurred during 2011:

- First Quarter Gauging Event – March 3, 2011
- Second Quarter Gauging/First Semi-Annual Groundwater Sampling Event – June 7 - 8, 2011
- Third Quarter Gauging Event – September 27, 2011
- Fourth Quarter Gauging/Second Semi-Annual Groundwater Sampling Event – November 15 - 16, 2011

The following observations are documented in this report:

- Groundwater flow remains bifurcating to the south and southeast at a variable gradients north to south
- Monitoring well WP-02 remained dry, as it has since September 20, 2007
- Hydrocarbon product (LNAPL) was present in wells WP-1 (June 2011), WP-14 (November 2011), WP-15 (June, September and November 2011)
- Benzene exceeds the New Mexico Water Quality Control Commission (WQCC) standard
- Barium is the only metal consistently found in samples above the WQCC standard and appears to be a disassociation byproduct that is naturally occurring within the soil
- The dissolved phase hydrocarbon plume has been delineated
- Chloride and TDS are highest in the background (up gradient) well WP-19 due to the use of unlined ponds at a former hydrochloric acid plant located northwest of the Facility

Targa is seeking approval to plug wells WP-21 and WP-22. Targa also requests approval for annual (one yearly) monitoring for BTEX, general water chemistry, and gauging for hydrocarbon product. To contribute to the effectiveness of the Benzene remediation, Targa is seeking to install an air sparging system which should improve the efficiency of the remediation. Documentation will be kept at the Facility and available to the OCD for inspection. Targa will notify the OCD at least 48 hours prior to the annual monitoring events, and as soon as possible upon any significant change in analyte concentrations.

2.0 INTRODUCTION

This report presents the results of groundwater monitoring at the Monument Gas Plant (Facility) owned by Versado Gas Processors, L.P. and operated by Targa Midstream Services LLC (Targa). The Facility is located in Unit N (SE/4, SW/4), Section 36, Township 19 South, Range 36 East in Lea County, New Mexico. The geodetic position is north 32° 36' 37.79" and west 103° 18' 37.98". Figure 1 presents a location and topographic map. Figure 2 presents an aerial photograph. Figure 3 presents a Site drawing.

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2.1 Chronology

The following events have been documented in connection with the Monument Gas Plant (GW-025):

c. 1935	The Monument Gas Plant is constructed by Natural Gasoline Corporation, a subsidiary of Warren Petroleum.
January 26, 1936	Monument Gas Plant started up for Amerada Petroleum Corporation, later sold back to Warren Petroleum.
1946	El Paso Corporation constructs compressor station southeast of Gas Plant.
April 1962	Climax Chemical Company (Climax) begins operations north-northwest of the Gas Plant. Climax produces hydrochloric acid (HCl), sulfuric acid, and sodium sulfate. Location of Climax Plant chosen for nearby salt deposits. HCl stored in unlined surface impoundments. UST onsite, but closed prior to registration requirements.
c. 1976 - 1977	Monument Gas plant upgraded to Cryo, Amine system, and SRU.
Prior to 1982	Climax plugs and abandons brine wells where previously fresh water was pumped down to evaporites between 2,420 and 2,616 feet bgs to dissolve and return to the surface (Preliminary Review Report, Climax Chemical, 1987).
1982	Justification for No Discharge Plan And Alternative Application for Discharge Plan submitted to State of New Mexico by Climax.
Prior to 1983	A produced condensate release occurs at the Monument Gas Plant (no date, volume or location in records).
June 15, 1987	Preliminary Review Report, Climax Chemical Company issued for RCRA Facility Assessment. EPA analyses from discharge pipe to HCl surface impoundment indicate 15,500 – 17,300 ppm chloride, and 15,100 – 19,000 ppm sulfate at a pH 3.3.
Prior to 1989	Hydrocarbons found in Climax wells (1-2 miles south of facility).
March 29, 1989	OCD representatives Mr. David Boyer and Mr. Roger Anderson inspect Monument Gas Plant's new brine pond liner. "While inspecting the brine pond they noticed the Climax Chemical plant discharging salt water into an open area. Some of this water had broken through a dam (Warren) had built along our property fence and was leaking onto (Warren) property... In addition they asked about the oil processing company located to the south of our plant saying they did not have any record of them." (March 30, 1989 Warren Memorandum)
March 30, 1989	Condensate recovery commences at Monument Gas Plant in monitor wells WP-01, WP-02, WP-03 and Climax 5-9.
August 4, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 5.8 gallons condensate recovered at an average of 300 – 500 milliliters every 4 – 6 days.
October 6, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 2,054.3 gallons condensate recovered.
December 18, 1989	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 8,643.5 gallons condensate recovered at an average of 110 gallons per day.
August 6, 1990	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 18,088.5 gallons condensate recovered at an average of 42 gallons per day.
August 16, 1991	State of New Mexico Hazardous and Radioactive Materials Bureau (HRMB) sent letter to Mr. Jimmy T. Cooper, landowner, notifying him of Climax's request for

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	Alternative Concentration Limits (ACL). Justifications include, "Immediately adjacent to and downgradient of Climax Chemical is the Warren Petroleum Company (Chevron) refinery. The upper-most aquifer beneath the refinery has been significantly impacted by hydrocarbon contamination. Due to past oil-field brine contamination of this same aquifer the Oil Conservation Division (OCD) of New Mexico Energy Minerals and Natural Resources Department is only requiring the refinery to recover hydrocarbon product floating on top of the groundwater within the aquifer."
October 2, 1991	Warren Petroleum submits to OCD map of monitor wells and pumping records – to date 26,348.5 gallons condensate recovered at an average of 20 gallons per day.
October 30, 1991	PIANO analysis conducted by Southern Petroleum Laboratories, Inc. (SPL) on samples from Waste Oil, Condensate, and groundwater wells. Groundwater sample has a Pristine (first peak after C17) to Phytane (first peak after C18) ratio of 1.492; Waste Oil has 1.071; Condensate has neither Pristane nor Phytane.
March 11, 1992	Climax files bankruptcy. Disposal Well DP-298 permit modified to accept HCl injected into a San Andres limestone for neutralization. Also evaluated as a Salt Water Disposal well. (Currently in operation 4/2009)
July 6, 1994	OCD requests Warren Petroleum to submit a workplan to complete the definition of the extent of groundwater contamination.
October 31, 1994	Warren Petroleum submits workplan to OCD to include the installation of soil borings and monitor wells.
February 22 – 24, 1995	Four soil borings (SB-3 to SB-7) and seven monitor wells (WP-04 to WP-10) installed.
March 28, 1995	HRMB notification letter to Warren Petroleum of "...at least 2 feet of oil product floating on top of the groundwater..." in well #12-9. (This well is upgradient from the Monument Plant). Letter further requests Warren to determine if a pipeline from the Monument Greyburg-San Andres Field had a leak prior to 1991.
April 21, 1995	Geraghty & Miller submits Liquid Hydrocarbon Assessment for Warren Petroleum review. Major report findings are: impacted shallow groundwater is not a viable water resource; groundwater quality upgradient and around the plant is not suitable for drinking water, livestock or irrigation use; the horizontal and vertical extent of the impacted area is defined; and the sources of contamination are not limited to the Gas Plant, but also include upgradient sources.
May 2, 1995	Warren Petroleum submits Liquid Hydrocarbon Assessment to OCD.
June 20, 1995	OCD requests: additional groundwater delineation; installing and operating a product recovery system in WP-2, WP-3, and WP-10; and quarterly monitoring.
August 31, 1995	Warren Petroleum submits response to OCD proposing: a monitor well adjacent to the Climax well; an additional monitor well east of WP-10; and additional wells to the east of WP-10 as needed.
September 26, 1995	OCD approves August 31st workplan.
Prior to October 31, 1995	WP-08 and WP-09 converted to cathodic protection wells.
November 8 – 9, 1995	Geraghty & Miller install WP-11 through WP-15 (data reported in February 29, 1996 report).
June 14, 1996	Warren Petroleum submits to the OCD groundwater elevation and product

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	thickness maps for July – December 1995, and request change from semi-annual to annual reporting.
August 9, 1996	OCD grants request to change to annual reporting.
February 14, 1997	Geraghty & Miller submits Annual Summary Report for 1996 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south, with a static head drop of approximately 0.5 feet across the site. Hydrocarbon recovery system expansion to include WP-11 and WP-13 recommended.
March 25, 1997	OCD responds to February 14th report and approves recommendations.
April 1997	Hydrocarbon recovery operations ceased due to low water table conditions and pump limitations.
March 10, 1998	ARCADIS Geraghty & Miller submits Annual Summary Report for 1997 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south. Decreased monitoring frequency requested.
June 22, 1998	OCD approves changing monitoring frequency from quarterly to semiannually.
February 17, 2000	ARCADIS Geraghty & Miller submits Annual Report for 1999 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the south.
April 20, 2001	ARCADIS Geraghty & Miller submits Annual Report for 2000 Groundwater Monitoring Activities for OCD review.
July 25, 2001	LAI on behalf of Dynegy submits Groundwater Discharge Plan GW-025 to OCD.
January 9, 2002	ARCADIS Geraghty & Miller submits Annual Report for 2001 Groundwater Monitoring Activities for OCD review. Groundwater is reportedly bifurcating towards the southeast and the east.
January 17, 2002	OCD approves the Groundwater Discharge Plan with conditions.
February 11, 2003	LAI submits Subsurface Investigation Report to OCD.
March 6, 2003	OCD acknowledges receipt of the Subsurface Investigation Report and requests additional monitor wells to the east, south and west of the plant.
March 18, 2003	LAI submits to the OCD on behalf of Dynegy, 2002 Annual Groundwater Monitoring Report.
April 24, 2003	OCD requests a workplan for “additional downgradient and lateral controls on the extent of hydrocarbon contamination of groundwater.”
June 27, 2003	Workplan submitted to OCD for groundwater investigations at the Monument Gas Plant plume.
September 10, 2003	OCD approves Monument Gas Plant groundwater investigation.
October 7, 2003	LAI submits to Dynegy a summary of gas chromatography fingerprint analyses for PSH from WP-04, WP-06, and WP-15 (6/10/2003 data); a summary of PSH thicknesses for WP-04 and WP-15 during 2002-2003; groundwater analyses summary; maps of PSH thickness; and bar graphs of hydrocarbon thickness measurements.
November 14, 2003	Dynegy submits to the OCD Workplan for Monitoring Well Installation at Monument Gas Plant.
January 4, 2004	LAI submits to the OCD the results of North (#2) Brine Pond subsurface closure investigation. Three hand auger borings to 7 feet bgs and three soil borings to 30 feet bgs installed.
March 18, 2004	LAI submits 2003 Annual Groundwater Monitoring Report for OCD review.

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May 15, 2005	LAI submits 2004 Annual Groundwater Monitoring Report for OCD review.
May 18, 2005	Email from OCD requesting additional monitor wells downgradient of WP-04, and WP-12 & WP-14.
August 4, 2005	LAI installs WP-16, WP-17, and WP-18 in the downgradient direction. WP-17 and WP-18 exceed WQCC values for benzene.
November 1, 2005	LAI submits Free Product Investigation Report to OCD documenting the installation of WP-04R, WP-16, WP-17, and WP-18.
February 25, 2006	LAI submits 2005 Annual Groundwater Monitoring Report for OCD review. Continued quarterly groundwater monitoring recommended.
March 3, 2006	LAI submits to the OCD the Brine Pond #1 closure plan.
July 17, 2007	LAI submits 2006 Annual Report, Monument Plant Ground Water Monitoring for OCD review.
September 29, 2008	LAI submits 2007 Groundwater Monitoring Report for OCD review.
September 30, 2008	LAI installs five soil borings in the (#1) South Brine Pond as part of closure investigation.
October 21, 2008	OCD approves closure plan for (#2) North Brine Pond.
December 29, 2008	LAI installs monitor wells WP-19 and WP-20 upgradient and downgradient of the (#2) North Brine Pond, respectively, and adjacent to – and downgradient of – the Climax facility. Chloride in groundwater is 17,700 mg/l and 7,780 mg/l, respectively.
May 26 – 27, 2009	WP-21, WP-22, and WP-23 installed and achieves lateral and downgradient hydrocarbon plume delineation.
July 16, 2009	North (#2) Brine Pond Closure Report submitted to OCD.
July 17, 2009	South (#1) Brine Pond Investigation Report submitted to OCD.

22 Topography

The surface elevation is approximately 3,575 feet above mean sea level as shown on the Monument South, New Mexico (1985) USGS 7.5-Minute Quadrangle Map. The topographic region is the relatively flat *Laguna Valley* section of the *Querecho Plains*. The topography slopes gently to the southeast. A current topographic map is included as Figure 1.

23 Geology

The *Geologic Map of New Mexico* (2003) indicates the surface geology is comprised of Holocene to mid-Pleistocene age piedmont alluvial deposits. The description indicates this material includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. Locally, it may include the uppermost Pliocene deposits.

Subsurface conditions at the Site primarily consist of Ogallala Formation unconformably overlying Chinle redbeds. Following deposition of the Ogallala, a prolonged period of erosion reworked the fringe areas of the Ogallala creating the Mescalero Ridge, north of the Facility. The reworked Ogallala deposits form the bulk of the alluvial material that has accumulated in the Laguna Valley (Nicholson and Clebsch, 1961). The site is located on the edge of the Laguna Valley where a relatively thin sequence of alluvial material is present at the surface.

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Monitor well boring logs indicate a general lithology of a two- to 12-foot thick layer of unconsolidated sand over an 18- to 35-foot thickness of carbonate-indurated sand (caliche). Beneath the caliche layer is a clayey sand or red-bed clay. The geology encountered in the monitor wells is interpreted from the top-down to be a thin sequence of Holocene to Pleistocene aged eolian and alluvial sands deposited unconformably on a sequence of Miocene-Pliocene age Ogallala Formation alluvial sands. Much of the remaining Ogallala sequence is now calcified. This caliche layer most likely represents an *in situ* carbonate inter-granular deposition at the funicular vadose zone from continued deflation of the groundwater surface as erosion deepened the ancestral stream channels, and/or deposition in the pendular vadose zone by the down-driving of carbonates by precipitation, leaving a residual during dry period evaporation.

Groundwater occurs only in the bottom portion of the Ogallala in the vicinity of the Facility. The Ogallala Formation is also unconformably deposited on Triassic-aged Chinle redbeds. To collect adequate groundwater in monitor wells to determine static potentiometric surface elevation, most of the wells are completed with a sump extending into the Chinle Formation.

24 Surface Water Occurrence

There are no streams, springs, or ponds on or within two miles of the Facility. The nearest surface water is the ephemeral "South" Monument Draw south of the Facility, Monument Springs north of the Facility, and the ephemeral "North" Monument Draw east of the Facility.

The nearest spring, Monument Springs, is located about two miles north of the Facility in Section 26, Township 19 South, Range 36 East, where groundwater in the Ogallala deposits discharge at the contact with the underlying and impermeable Chinle redbeds.

25 Groundwater Occurrence

Regional direction for groundwater flow is towards the south and southeast, with variations occurring near pumping stresses and subsurface features. No water wells were identified on the Office of the New Mexico State Engineer database for Section 36, Township 19 South, Range 36 East.

An early investigation by Nicholson and Clebsch (1961) produced a groundwater map that indicates a ridge in the "redbeds" that bisects the Site from the north to south and splits groundwater into two lobes – a west lobe moving to the south, as well as an east lobe moving to the southeast. This ridge was also described as a "nose" by Geohydrology Associates, Inc., in the circa 1982 report prepared for the Climax Chemical plant (*Justification for No Discharge Plan and Alternative Application for Discharge Plan*, page 15"). The early investigations also mention widespread historic chloride contamination in groundwater prior to 1955, and the occurrence of "oil stain on water" or "strong odor" reported in four diverse locations in 1961 and 1981.

Light non-aqueous phase liquid (LNAPL) and depth to groundwater were measured in twenty monitoring wells on March 3, June 7, September 27 and November 15, 2011. The measurements were collected at the top of the PVC well casing with an electronic oil and water interface probe that was decontaminated between wells with a solution of Alconox® detergent and water and rinsed with commercially available distilled water. LNAPL was observed in three wells (WP-1, WP-14, and WP-15) from 0.01 to 0.1 feet thick. The LNAPL appears to be consistent with natural gas condensate.

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The depth to groundwater increased between about 0.02 (WP-6) and 2.54 (WP-14) feet between March and November 2011, indicating falling groundwater conditions that may be attributed to seasonal fluctuation from lack of recharge. Table 1 presents a summary of the LNAPL and depth to groundwater measurements. Depth to groundwater measurements from March 3 and November 15, 2011, were used to prepare groundwater potentiometric maps presented in Figure 4a and 4b, respectively.

On June 7, 2011, depth to groundwater varied between about 26.67 (WP-10) and 37.92 (WP-17) feet below top of casing (TOC). The groundwater elevation ranged from approximately 3558.71 feet above mean seal level (MSL) at WP-19 (up gradient) to 3535.65 feet above MSL at WP-23 (down gradient). This map also shows the west lobe with groundwater moving to the south and east lobe with groundwater moving to the southeast.

On November 15, 2011, depth to groundwater varied between about 27.25 (WP-10) and 39.30 (WP-14) feet below TOC. The groundwater elevation ranged from approximately 3558.26 feet above MSL at WP-19 (up gradient) to 3535.01 feet above MSL at WP-23 (down gradient). This map shows the west lobe with groundwater moving to the south and east lobe with groundwater moving to the southeast.

3.0 GROUNDWATER SAMPLES AND LABORATORY ANALYSIS

Groundwater samples were collected from the monitoring wells during two semi-annual events on June 7 and 8, 2011 and November 15 and 16, 2011. Samples were not collected from WP-14 and WP-15 due to the presence of LNAPL. WP-4 and WP-17 had insufficient volume for sampling on November 15 and 16, 2011. The groundwater samples were collected after removing approximately three well volumes of groundwater or purging dry with dedicated disposable polyethylene bailers or pumping with an electric submersible pump and dedicated disposable tubing. The samples were carefully transferred to laboratory containers that were labeled, sealed with custody labels, packed in an ice filled chest and delivered under chain of custody control to DHL Analytical, Inc. (DHL) or Xenco Laboratories, both National Environmental Laboratory Accreditation Program (NELAP) accredited laboratories located in Round Rock, Texas. All metals samples were laboratory-filtered to exclude particles larger than 0.45 μ and acidified with nitric acid within 24-hours of collection. DHL analyzed the samples for benzene, toluene, ethylbenzene, xylene (BTEX) by method SW-8021B, filtered metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) by methods SW-6020 and 7470A, anions, alkalinity and total dissolved solids (TDS) by methods E-300, M2320B and M2540, respectively. A duplicate sample was collected from WP-22 on June 8, 2011 and WP-7 on November 16, 2011 as a blind sample that the laboratory analyzed for quality assurance and quality control (QA/QC). Water was contained in a portable tank and discharged to the facility's process water system for disposal in a permitted Class II injection well. The laboratory analytical reports are presented on a CD ROM in Appendix A.

3.1 BTEX Analysis

Benzene concentrations observed during the life of this investigation indicate no clear increasing or decreasing trends. Upward movement of groundwater in the capillary fringe may account for increases in benzene concentrations reported during the November 2011 sample event. All benzene values represent dissolved-phase concentrations that are well below the benzene solubility limit of 1,770 milligrams per liter (mg/L). Toluene, ethylbenzene and xylenes were below the New Mexico Water Quality Control Commission (WQCC) human health standards of 0.75 mg/L (toluene and ethylbenzene) and 0.62 mg/L (xylenes). WP-4 and WP-17 had insufficient fluid for testing on November 16, 2011. Table 2 presents a summary of the BTEX analysis.

June 2011 Benzene Results

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The following samples from the east lobe exhibited benzene concentrations above the WQCC human health standard of 0.01 mg/L:

- WP-10 (4.18 mg/L)
- WP-11 (4.47 mg/L)
- WP-12 (1.76 mg/L)
- WP-13 (0.0776 mg/L)
- WP-14 (0.1490 mg/L)
- WP-15 (1.10 mg/L)
- WP-17 (1.84 mg/L)
- WP-18 (0.112 mg/L)

The following samples from the west lobe exhibited benzene concentrations above the WQCC human health standard of 0.01 mg/L:

- WP-01 (0.0513 mg/L)
- WP-04 (0.104 mg/L)
- WP-05 (0.8320 mg/L)

A comparison of the primary (WP-22, <0.001 mg/L) and duplicate (<0.001 mg/L) samples indicate no deviation. Case Narrative provided by Xenco Laboratories indicates QC parameters were not achieved due to Matrix interference and confirmed by re-analysis. Figure 4a presents a concentration map of dissolved benzene concentrations reported in groundwater samples from the June 2011 sampling event.

November 2011 Benzene Results

The following samples from the east lobe exhibited benzene concentrations above the WQCC human health standard of 0.01 mg/L:

- WP-10 (4.17 mg/L)
- WP-11 (5.20 mg/L)
- WP-12 (1.94 mg/L)
- WP-18 (0.235 mg/L)

The following samples from the west lobe exhibited benzene concentrations above the WQCC human health standard of 0.01 mg/L:

- WP-05 (0.6980 mg/L)

A comparison of the primary (WP-7, <0.0008 mg/L) and duplicate (<0.0008 mg/L) samples indicates no deviation. No data quality exceptions were noted in the DHL case narratives. LNAPL was observed in wells WP-14 and WP-15 therefore, no samples were collected during this event. Figure 4b presents a concentration map of dissolved benzene concentrations reported in groundwater samples from the November 2011 sampling event. Benzene was below the WQCC human health standard in down gradient well WP-23 (0.0013 mg/L) confirming delineation of the plume.

3.2 Dissolved Metals Analysis

Only barium was observed in select wells at concentrations above the WQCC human health standard of 1.0 mg/L during the June 2011 and November 2011 sampling events. Other metals including chromium,

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lead and selenium have been observed sporadically above the WQCC human health standards. Arsenic, cadmium, mercury and silver have not been observed at concentrations exceeding the associated WQCC human health standards during any monitoring event. Table 3 presents a cumulative summary of the dissolved metals analyses.

Barium concentrations observed over the life of this investigation indicate there no clear increasing or decreasing trends. The spatial distribution of barium above the WQCC human health standard of 1.0 mg/L is primarily east and southeast of the facility. The historically highest concentrations (69.2 to 82.9 mg/L) have been observed in WP-17, which is located offsite and southeast of the facility. WP-04 and WP-17 had insufficient fluid for testing on November 16, 2012.

June 2011 Barium Results

The following samples from the east lobe exhibited barium concentrations above the WQCC human health standard of 1.0 mg/L:

- WP-10 (1.85 mg/L)
- WP-11 (2.15 mg/L)
- WP-12 (1.01 mg/L)

The following samples from the west lobe exhibited barium concentrations above the WQCC human health standard of 1.0 mg/L:

- WP-01 (2.81 mg/L)
- WP-4 (4.05 mg/L)

A comparison of the primary (WP-22, 0.0830 mg/L) and duplicate (0.0801 mg/L) samples indicate a 3.55% sample variance, which is within data acceptance criteria. Case Narrative indicates that Xenco Laboratories did not achieve all QC parameters but control samples were within laboratory control limits.

November 2011 Barium Results

The following samples from the east lobe exhibited barium concentrations above the WQCC human health standard of 1.0 mg/L:

- WP-10 (2.30 mg/L)
- WP-11 (2.40 mg/L)
- WP-18 (2.37 mg/L)

The following samples from the west lobe exhibited barium concentrations above the WQCC human health standard of 1.0 mg/L:

- WP-01 (1.34 mg/L)

A comparison of the primary (WP-7, 0.028 mg/L) and duplicate (0.030 mg/L) samples indicate a 6.90% sample variance, which is within data acceptance criteria. Case Narrative indicates that DHL did not achieve all QC parameters but control samples were within laboratory control limits. LNAPL was observed in wells WP-14 and WP-15 therefore, no samples were collected during this event.

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3.3 General Chemistry Analysis

Chloride, sulfate and TDS were above the WQCC domestic water quality standards of 250 mg/L, 600 mg/L and/or 1,000 mg/L, respectively, in all sampled monitor wells except WP-01. Chlorides, sulfate, and TDS concentrations over time have very similar trends and appear linear with neither increasing nor decreasing trends exhibited. A widespread chloride and TDS plume originates from the Climax Chemical plant located northwest (up gradient) of the facility and the highest chloride and TDS concentrations occur in well WP-7 located near the central-west (up gradient) corner of the facility and down gradient of the Climax facility. WP-04 and WP-17 had insufficient fluid for testing on November 16, 2011. Table 4 presents a summary of the general chemistry analytical results.

June 2011 Results

Chlorides – The following samples from the east lobe exhibited chloride concentrations above the WQCC domestic water quality standard of 250 mg/L:

- WP-10 (449 mg/L)
- WP-11 (401 mg/L)
- WP-12 (657 mg/L)
- WP-14 (4,310 mg/L)
- WP-15 (764 mg/L)
- WP-16 (513 mg/L)
- WP-17 (5,630 mg/L)
- WP-18 (5,320 mg/L)
- WP-21 (3,060 mg/L)
- WP-22 (1,570 mg/L)
- WP-23 (7,260 mg/L)

Laboratory results from the west lobe reported chloride concentrations in excess of the 250 mg/L in the following samples:

- WP-05 (1,400 mg/L)
- WP-06 (672 mg/L)
- WP-07 (11,600 mg/L)
- WP-19 (22,300 mg/L)
- WP-20 (9,210 mg/L)

Sulfate – Laboratory results from the east lobe reported sulfate above the WQCC domestic water quality standard of 600 mg/L in the following samples:

- WP-14 (1,390 mg/L)
- WP-18 (635 mg/L)
- WP-21 (1,120 mg/L)
- WP-22 (715 mg/L)
- WP-23 (1,690 mg/L)

Laboratory results from the west lobe reported sulfate above the WQCC domestic water quality standard of 600 mg/L in the following samples:

- WP-06 (1,710 mg/L)
- WP-07 (4,800 mg/L)
- WP-19 (4,300 mg/L)

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- WP-20 (3,760 mg/L)

TDS – Analytical data from the east lobe exhibited TDS concentrations in excess of the WQCC domestic water quality standard of 1,000 mg/L in the following samples:

- WP-10 (1,930 mg/L)
- WP-11 (1,840 mg/L)
- WP-12 (2,620 mg/L)
- WP-13 (1,400 mg/L)
- WP-14 (8,370 mg/L)
- WP-15 (2,310 mg/L)
- WP-16 (1,720 mg/L)
- WP-17 (8,120 mg/L)
- WP-18 (10,800 mg/L)
- WP-21 (7,110 mg/L)
- WP-22 (3,780 mg/L)
- WP-23 (12,500 mg/L)

Analytical data from the west lobe exhibited TDS concentrations in excess of the WQCC domestic water quality standard of 1,000 mg/L in the following samples:

- WP-04 (1,070 mg/L)
- WP-04R (1,120 mg/L)
- WP-05 (3,030 mg/L)
- WP-06 (3,430 mg/L)
- WP-07 (22,200 mg/L)
- WP-19 (38,300 mg/L)
- WP-20 (18,000 mg/L)

Case Narrative indicates that Xenco Laboratories did not achieve all QC parameters but control samples were within laboratory control limits. Figure 5a and Figure 6a present concentration maps of observed chloride and TDS concentrations in groundwater samples for the June 2011 sampling event, respectively.

November 2011 Results

Chlorides – The following samples from the east lobe exhibited chloride concentrations above the WQCC domestic water quality standard of 250 mg/L:

- WP-10 (512 mg/L)
- WP-11 (469 mg/L)
- WP-12 (671 mg/L)
- WP-16 (410 mg/L)
- WP-18 (3,770 mg/L)
- WP-21 (3,500 mg/L)
- WP-22 (1,850 mg/L)
- WP-23 (7,080 mg/L)

Laboratory results from the west lobe reported chloride concentrations in excess of the 250 mg/L in the following samples:

- WP-05 (1,360 mg/L)

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- WP-06 (829 mg/L)
- WP-07 (14,400 mg/L)
- WP-19 (12,000 mg/L)
- WP-20 (9,950 mg/L)

Sulfates – The following samples from the east lobe exhibited sulfate concentrations above the WQCC domestic water quality standard of 600 mg/L:

- WP-21 (1,150mg/L)
- WP-22 (699 mg/L)
- WP-23 (1,180 mg/L)

The following samples from the west lobe exhibited sulfate concentrations above the WQCC domestic water quality standard of 600 mg/L:

- WP-06 (1,270 mg/L)
- WP-07 (4,900 mg/L)
- WP-19 (6,080 mg/L)
- WP-20 (4,830 mg/L)

TDS – Analytical data from the east lobe exhibited TDS concentrations in excess of the WQCC domestic water quality standard of 1,000 mg/L in the following samples:

- WP-10 (2,260 mg/L)
- WP-11 (2,120 mg/L)
- WP-12 (2,880 mg/L)
- WP-13 (1,780 mg/L)
- WP-16 (2,070 mg/L)
- WP-18 (8,780 mg/L)
- WP-21 (7,450 mg/L)
- WP-22 (4,250 mg/L)
- WP-23 (12,800 mg/L)

Analytical data from the west lobe exhibited TDS concentrations in excess of the WQCC domestic water quality standard of 1,000 mg/L in the following samples:

- WP-04R (1,330 mg/L)
- WP-05 (3,520 mg/L)
- WP-06 (3,760 mg/L)
- WP-07 (29,200 mg/L)
- WP-19 (27,500 mg/L)
- WP-20 (22,800 mg/L)

No data quality exceptions were noted in the DHL case narratives. LNAPL was observed in wells WP-14 and WP-15 therefore, no samples were collected during this event. Figure 5b and 6b present concentration maps of observed chloride and TDS concentration for the November 2011 sampling event, respectively. Chlorides, Sulfates, and TDS were highest in the background (up gradient) well WP-19 due to the use of unlined ponds at a former hydrochloric acid manufacturing plant.

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4.0 CONCLUSIONS

The following observations are documented in this report:

- Groundwater flow direction remains bifurcating to the south and southeast at variable gradients from North to South
- WP-02 remained dry, as it has since September 20, 2007
- LNAPL consistent with natural gas condensate was detected in WP-01 (June 2011), WP-14 (November 2011), WP-15 (June, September and November 2011)
- No samples were collected from WP-14 and WP-15 (May and November 2011) due to LNAPL in the wells
- Benzene exceeds the WQCC standard in wells WP-4, WP-5, WP-10, WP-11, WP-12, WP-14, WP-15, WP-17, and WP-18
- Benzene was below the WQCC standard in WP-23 confirming plume delineation
- Barium is the only metal compound consistently observed in groundwater above the WQCC standard
- Hydrocarbon plume delineation has been achieved

5.0 Recommendations

No further investigation is needed since the dissolved phase hydrocarbon plume has been delineated. Targa proposes to conduct annual (once yearly) gauging and sampling for general water chemistry and BTEX. Targa proposes to discontinue sampling for dissolved metals since barium is considered a byproduct of the soil. Targa requests approval to plug monitoring wells WP-21 and WP-22. Laboratory analytical results will be maintained at the facility for inspection by the OCD. Product recovery will resume in wells showing recoverable LNAPL. Targa will notify the OCD at least 48 hours prior to the annual monitoring events, and as soon as possible to any significant change in analyte concentrations.

TABLES

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
.	4	34.92	3,578.01	10/31/1995		32.00	--	3,546.01
				11/14/1995		25.80	--	3,552.21
				1/24/1996		28.00	--	3,550.01
				6/26/1996		29.95	--	3,548.06
				9/26/1996		30.45	--	3,547.56
				1/28/1997		31.08	--	3,546.93
				2/27/1997		31.26	--	3,546.75
				5/19/1997		31.00	--	3,547.01
				8/19/1997		29.72	--	3,548.29
				1/5/1998		29.14	--	3,548.87
				5/26/1998		29.97	--	3,548.04
				4/7/1999		30.55	--	3,547.46
				8/13/1999		24.40	--	3,553.61
				3/29/2000		28.85	--	3,549.16
				7/18/2000		24.60	--	3,553.41
				1/18/2001		27.80	--	3,550.21
				4/26/2002		27.42	--	3,550.59
				6/6/2002		27.55	--	3,550.46
				9/30/2002		24.15	--	3,553.86
				12/19/2002		24.64	--	3,553.37
				4/2/2003		27.34	--	3,550.67
				6/19/2003		28.87	--	3,549.14
				9/23/2003		30.11	--	3,547.90
				12/19/2003		30.61	--	3,547.40
				3/18/2004		30.24	--	3,547.77
				6/30/2004		25.65	--	3,552.36
				9/8/2004		25.79	--	3,552.22
				12/27/2004		21.11	--	3,556.90
				4/4/2005		33.15	--	3,544.86
				5/12/2005		25.63	--	3,552.38
				10/7/2005		23.83	--	3,554.18
				12/12/2006		24.98	--	3,553.03
				2/21/2007		26.91	--	3,551.10
				6/12/2007		24.13	--	3,553.88
				9/20/2007		22.77	--	3,555.24
				12/5/2007		26.11	--	3,551.90
				2/25/2008		27.74	--	3,550.27
				6/10/2008		29.21	--	3,548.80
				8/15/2008		26.81	--	3,551.20
				9/29/2008		25.56	--	3,552.45
				10/15/2008		25.90	--	3,552.11
				11/7/2008		23.72	--	3,554.29
				11/13/2008		24.00	--	3,554.01
				12/11/2008		25.23	--	3,552.78
				3/31/2009		27.88	--	3,550.13

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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-1				4/13/2009	29.33	28.11	--	3,549.90
				9/1/2009		25.61	--	3,552.40
				10/26/2009		27.21	--	3,550.80
				3/1/2010		26.99	--	3,551.02
				5/24/2010		26.95	--	3,551.06
				9/24/2010		24.07	--	3,553.94
				11/8/2010		25.30	--	3,552.71
				3/3/2011		27.93	--	3,550.08
				6/8/2011		29.34	0.01	3,548.68
				9/27/2011		30.43	--	3,547.58
				11/15/2011		30.18	--	3,547.83
WP-2	4	31.75	3,577.77	10/31/1995	30.70	31.00	0.30	3,546.98
				11/14/1995	30.95	31.35	0.40	3,546.70
				1/24/1996	31.53	31.71	0.18	3,546.19
				6/26/1996		--	--	--
				9/26/1996		--	--	--
				1/28/1997		--	--	--
				2/27/1997		31.65	--	3,546.12
				5/19/1997		--	--	--
				8/19/1997		--	--	--
				1/5/1998		--	--	--
				5/26/1998		--	--	--
				4/7/1999		--	--	--
				8/13/1999		--	--	--
				3/29/2000		--	--	--
				7/18/2000		--	--	--
				1/18/2001		29.10	--	3,548.67
				4/26/2002		31.09	--	3,546.68
				6/6/2002		31.14	--	3,546.63
				9/30/2002		DRY	--	--
				12/19/2002		DRY	--	--
				4/2/2003		32.43	--	3,545.34
				6/19/2003		DRY	--	--
				9/23/2003		DRY	--	--
				12/19/2003		DRY	--	--
				3/18/2004		DRY	--	--
				6/30/2004		DRY	--	--
				9/8/2004		DRY	--	--
				12/27/2004		27.69	--	3,550.08
				4/4/2005		28.75	--	3,549.02
				5/12/2005		28.75	--	3,549.02
				10/7/2005		28.77	--	3,549.00
				12/12/2006		31.25	--	3,546.52
				2/21/2007		31.65	--	3,546.12
				6/12/2007		31.74	--	3,546.03
				9/20/2007		DRY	--	--

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Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-2				12/5/2007		DRY	--	--
				2/25/2008		DRY	--	--
				6/10/2008		DRY	--	--
				8/15/2008		DRY	--	--
				9/29/2008		DRY	--	--
				10/15/2008		DRY	--	--
				11/7/2008		DRY	--	--
				11/13/2008		DRY	--	--
				12/11/2008		DRY	--	--
				3/31/2009		DRY	--	--
				4/13/2009		DRY	--	--
				9/1/2009		DRY	--	--
				10/26/2009		DRY	--	--
				3/1/2010		DRY	--	--
				5/24/2010		DRY	--	--
				9/24/2010		DRY	--	--
				11/8/2010		DRY	--	--
				3/3/2011		DRY	--	--
				6/8/2011		DRY	--	--
				9/27/2011		DRY	--	--
				11/15/2011		31.75	--	3,546.02
WP-4	4	37.40	3,577.15	10/31/1995	33.60	35.00	1.40	3,543.13
				11/14/1995	33.75	35.10	1.35	3,543.00
				1/24/1996	33.96	35.23	1.27	3,542.81
				6/26/1996	34.70	36.60	1.90	3,541.88
				9/26/1996	35.20	36.85	1.65	3,541.46
				1/28/1997	35.65	37.00	1.35	3,541.10
				2/27/1997	35.68	37.17	1.49	3,541.02
				5/19/1997	36.56	37.21	0.65	3,540.40
				8/19/1997	36.14	37.30	1.16	3,540.66
				1/5/1998	36.30	37.30	1.00	3,540.55
				5/26/1998	36.41	36.43	0.02	3,540.73
				4/7/1999	36.10	36.92	0.82	3,540.80
				8/13/1999	35.20	35.65	0.45	3,541.82
				3/29/2000	35.20	35.42	0.22	3,541.88
				7/18/2000	35.40	35.70	0.30	3,541.66
				1/18/2001	34.90	35.03	0.13	3,542.21
				4/26/2002	35.40	35.75	0.35	3,541.65
				6/6/2002	35.46	35.77	0.31	3,541.60
				9/30/2002	35.63	36.07	0.44	3,541.39
				12/19/2002	35.84	36.28	0.44	3,541.18
				4/2/2003	36.60	37.22	0.62	3,540.36
				6/19/2003		DRY	--	--
				9/23/2003		DRY	--	--
				12/19/2003	37.26	37.33	0.07	3,539.87
				3/18/2004		DRY	--	--

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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-4				6/30/2004		37.28	--	3,539.87
				9/8/2004		37.34	--	3,539.81
				12/27/2004		31.56	--	3,545.59
				4/4/2005		33.05	--	3,544.10
				5/12/2005		33.15	--	3,544.00
				10/7/2005		33.08	--	3,544.07
				9/12/2006		34.04	--	3,543.11
				2/21/2007		34.32	--	3,542.83
				6/12/2007		35.03	--	3,542.12
				9/20/2007		35.13	--	3,542.02
				12/5/2007		35.14	--	3,542.01
				2/25/2008		35.60	--	3,541.55
				6/10/2008		36.37	--	3,540.78
				8/15/2008		36.77	--	3,540.38
				9/29/2008		36.83	--	3,540.32
				10/15/2008		36.83	--	3,540.32
				11/7/2008		36.63	--	3,540.52
				11/13/2008		36.51	--	3,540.64
				12/11/2008		36.37	--	3,540.78
				3/31/2009		36.81	--	3,540.34
				4/13/2009		36.88	--	3,540.27
				9/1/2009		36.48	--	3,540.67
				10/26/2009		36.86	--	3,540.29
				3/1/2010		37.27	--	3,539.88
				5/24/2010		37.28	--	3,539.87
				9/24/2010		34.08	--	3,543.07
				11/8/2010		34.42	--	3,542.73
				3/3/2011		35.40	--	3,541.75
				6/8/2011		36.19	--	3,540.96
				9/27/2011		37.00	--	3,540.15
				11/15/2011		37.25	--	3,539.90
WP-4R	4	40.85	3,578.35	3/18/2004		38.14	--	3,540.21
				6/30/2004		37.58	--	3,540.77
				9/8/2004		37.62	--	3,540.73
				12/27/2004		31.32	--	3,547.03
				4/4/2005		33.15	--	3,545.20
				5/12/2005		33.26	--	3,545.09
				10/7/2005		33.23	--	3,545.12
				12/12/2006		33.69	--	3,544.66
				2/21/2007		34.45	--	3,543.90
				6/12/2007		35.16	--	3,543.19
				9/20/2007		35.29	--	3,543.06
				12/5/2007		35.25	--	3,543.10
				2/25/2008		35.76	--	3,542.59
				6/10/2008		36.49	--	3,541.86
				8/15/2008		36.84	--	3,541.51

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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-4R				9/29/2008		36.88	--	3,541.47
				10/15/2008		36.88	--	3,541.47
				11/7/2008		36.69	--	3,541.66
				11/13/2008		36.57	--	3,541.78
				12/11/2008		36.39	--	3,541.96
				3/31/2009		36.82	--	3,541.53
				4/13/2009		36.89	--	3,541.46
				9/1/2009		36.37	--	3,541.98
				10/26/2009		36.78	--	3,541.57
				3/1/2010		37.53	--	3,540.82
				5/24/2010		37.72	--	3,540.63
				9/24/2010		34.02	--	3,544.33
				11/8/2010		34.46	--	3,543.89
				3/3/2011		35.50	--	3,542.85
				6/8/2011		36.28	--	3,542.07
				9/27/2011		37.03	--	3,541.32
				11/15/2011		37.39	--	3,540.96
WP-5	4	38.02	3,579.50	10/31/1995		31.90	--	3,547.60
				11/14/1995		32.10	--	3,547.40
				1/24/1996		32.62	--	3,546.88
				6/26/1996		33.60	--	3,545.90
				9/26/1996		34.00	--	3,545.50
				1/28/1997		34.57	--	3,544.93
				2/27/1997		34.71	--	3,544.79
				5/19/1997		34.50	--	3,545.00
				8/19/1997		34.19	--	3,545.31
				1/5/1998		34.31	--	3,545.19
				5/26/1998		32.99	--	3,546.51
				4/7/1999		32.18	--	3,547.32
				8/13/1999		30.68	--	3,548.82
				3/29/2000		30.85	--	3,548.65
				7/18/2000		30.72	--	3,548.78
				1/18/2001		29.25	--	3,550.25
				4/26/2002		31.61	--	3,547.89
				6/6/2002		31.56	--	3,547.94
				9/30/2002		33.03	--	3,546.47
				12/19/2002		33.75	--	3,545.75
				4/2/2003		34.30	--	3,545.20
				6/19/2003		34.36	--	3,545.14
				9/23/2003		35.12	--	3,544.38
				12/19/2003		35.61	--	3,543.89
				3/18/2004		36.17	--	3,543.33
				6/30/2004		35.87	--	3,543.63
				9/8/2004		36.07	--	3,543.43
				12/27/2004		29.52	--	3,549.98
				4/4/2005		29.78	--	3,549.72

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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-5				5/12/2005		29.51	--	3,549.99
				10/7/2005		29.78	--	3,549.72
				12/12/2006		32.40	--	3,547.10
				2/21/2007		33.20	--	3,546.30
				6/12/2007		33.82	--	3,545.68
				9/20/2007		34.28	--	3,545.22
				12/5/2007		34.43	--	3,545.07
				2/25/2008		34.97	--	3,544.53
				6/10/2008		35.69	--	3,543.81
				8/15/2008		35.96	--	3,543.54
				9/29/2008		36.04	--	3,543.46
				10/15/2008		36.09	--	3,543.41
				11/7/2008		35.80	--	3,543.70
				11/13/2008		35.77	--	3,543.73
				12/11/2008		35.86	--	3,543.64
				3/31/2009		36.40	--	3,543.10
				4/13/2009		36.48	--	3,543.02
				9/1/2009		36.19	--	3,543.31
				10/26/2009		36.51	--	3,542.99
				3/1/2010		37.10	--	3,542.40
				5/24/2010		37.30	--	3,542.20
				9/24/2010		33.34	--	3,546.16
				11/8/2010		33.21	--	3,546.29
				3/3/2011		34.18	--	3,545.32
				6/8/2011		35.14	--	3,544.36
				9/27/2011		36.15	--	3,543.35
				11/15/2011		36.50	--	3,543.00
WP-6	4	30.53	3,585.36	10/31/1995		28.80	--	3,556.56
				11/14/1995		28.80	--	3,556.56
				1/24/1996	28.75	28.78	0.03	3,556.60
				6/26/1996		28.80	--	3,556.56
				9/26/1996		28.80	--	3,556.56
				1/28/1997		28.78	--	3,556.58
				2/27/1997		28.73	--	3,556.63
				5/19/1997	28.75	28.76	0.01	3,556.61
				8/19/1997	28.77	28.78	0.01	3,556.59
				1/5/1998	28.77	28.80	0.03	3,556.58
				5/26/1998	28.76	28.81	0.05	3,556.59
				4/7/1999	28.76	28.79	0.03	3,556.59
				8/13/1999	28.75	28.77	0.02	3,556.60
				3/29/2000	28.77	28.79	0.02	3,556.58
				7/18/2000	28.76	28.77	0.01	3,556.60
				1/18/2001	28.75	28.81	0.06	3,556.59
				4/26/2002	28.71	28.77	0.06	3,556.63
				6/6/2002	28.65	28.75	0.10	3,556.68
				9/30/2002	28.70	28.74	0.04	3,556.65

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-6				12/19/2002	28.56	28.86	0.30	3,556.71
				4/2/2003	28.76	28.80	0.04	3,556.59
				6/19/2003	28.78	28.83	0.05	3,556.57
				9/23/2003	28.74	28.80	0.06	3,556.60
				12/19/2003	28.75	28.80	0.05	3,556.60
				3/18/2004	28.75	29.92	1.17	3,556.26
				6/30/2004	28.73	29.85	1.12	3,556.29
				9/8/2004		28.74	--	3,556.62
				12/27/2004		27.46	--	3,557.90
				4/4/2005		28.72	--	3,556.64
				5/12/2005		28.71	--	3,556.65
				10/7/2005		28.74	--	3,556.62
				12/12/2006		28.71	--	3,556.65
				2/21/2007	28.70	28.75	0.05	3,556.65
				6/12/2007	28.73	29.04	0.31	3,556.54
				9/20/2007		28.71	--	3,556.65
				12/5/2007		28.74	--	3,556.62
				2/25/2008		28.78	--	3,556.58
				6/10/2008		28.72	--	3,556.64
				8/15/2008		28.73	--	3,556.63
				9/29/2008		28.72	--	3,556.64
				10/15/2008		28.73	--	3,556.63
				11/7/2008		28.71	--	3,556.65
				11/13/2008		28.69	--	3,556.67
				12/11/2008		28.73	--	3,556.63
				3/31/2009		28.73	--	3,556.63
				4/13/2009		28.73	--	3,556.63
				9/1/2009		28.73	--	3,556.63
				10/26/2009		28.73	--	3,556.63
				3/1/2010		28.72	--	3,556.64
				5/24/2010		28.70	--	3,556.66
				9/24/2010		28.32	--	3,557.04
				11/8/2010		28.65	--	3,556.71
				3/3/2011		28.69	--	3,556.67
				6/8/2011		28.71	--	3,556.65
				9/27/2011		28.72	--	3,556.64
				11/15/2011		28.71	--	3,556.65
WP-7	4	37.63	3,583.04	10/31/1995		31.25	--	3,551.79
				11/14/1995		34.30	--	3,548.74
				1/24/1996		31.77	--	3,551.27
				6/26/1996		32.10	--	3,550.94
				9/26/1996		32.20	--	3,550.84
				1/28/1997		32.45	--	3,550.59
				2/27/1997		32.47	--	3,550.57
				5/19/1997		32.34	--	3,550.70
				8/19/1997		31.29	--	3,551.75

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-7				1/5/1998		28.65	--	3,554.39
				5/26/1998		26.75	--	3,556.29
				4/7/1999		27.20	--	3,555.84
				8/13/1999		25.10	--	3,557.94
				3/29/2000		23.75	--	3,559.29
				7/18/2000		25.90	--	3,557.14
				1/18/2001		22.60	--	3,560.44
				4/26/2002		29.45	--	3,553.59
				6/6/2002		30.11	--	3,552.93
				9/30/2002		31.38	--	3,551.66
				12/19/2002		31.80	--	3,551.24
				4/2/2003		32.14	--	3,550.90
				6/19/2003		34.36	--	3,548.68
				9/23/2003		32.50	--	3,550.54
				12/19/2003		32.70	--	3,550.34
				3/18/2004		32.91	--	3,550.13
				6/30/2004		32.05	--	3,550.99
				9/8/2004		32.15	--	3,550.89
				12/27/2004		26.09	--	3,556.95
				4/4/2005		27.35	--	3,555.69
				5/12/2005		26.65	--	3,556.39
				10/7/2005		27.70	--	3,555.34
				12/12/2006		31.21	--	3,551.83
				2/21/2007		31.72	--	3,551.32
				6/12/2007		32.09	--	3,550.95
				9/20/2007		32.09	--	3,550.95
				12/5/2007		32.18	--	3,550.86
				2/25/2008		32.41	--	3,550.63
				6/10/2008		32.71	--	3,550.33
				8/15/2008		32.80	--	3,550.24
				9/29/2008		32.83	--	3,550.21
				10/15/2008		32.82	--	3,550.22
				11/7/2008		32.40	--	3,550.64
				11/13/2008		32.36	--	3,550.68
				12/11/2008		32.35	--	3,550.69
				3/31/2009		32.84	--	3,550.20
				4/13/2009		32.87	--	3,550.17
				9/1/2009		32.16	--	3,550.88
				10/26/2009		32.44	--	3,550.60
				3/1/2010		33.04	--	3,550.00
				5/24/2010		33.16	--	3,549.88
				9/24/2010		29.65	--	3,553.39
				11/8/2010		30.06	--	3,552.98
				3/3/2011		31.31	--	3,551.73
				6/8/2011		31.94	--	3,551.10
				9/27/2011		32.42	--	3,550.62
				11/15/411		32.54	--	3,550.50

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-10	4	37.13	3,580.08	10/31/1995	28.35	28.45	0.10	3,551.70
				11/14/1995	28.15	28.35	0.20	3,551.87
				1/24/1996	28.10	28.30	0.20	3,551.92
				6/26/1996	28.60	28.72	0.12	3,551.44
				9/26/1996	28.75	28.90	0.15	3,551.29
				1/28/1997	28.88	29.14	0.26	3,551.12
				2/27/1997	28.89	29.14	0.25	3,551.12
				5/19/1997	29.79	29.80	0.01	3,550.29
				8/19/1997	28.89	28.90	0.01	3,551.19
				1/5/1998	28.58	28.70	0.12	3,551.46
				5/26/1998	28.51	28.70	0.19	3,551.51
				4/7/1999	28.73	28.80	0.07	3,551.33
				8/13/1999	28.20	28.30	0.10	3,551.85
				3/29/2000	28.15	28.18	0.03	3,551.92
				7/18/2000	28.50	28.60	0.10	3,551.55
				1/18/2001	27.80	27.90	0.10	3,552.25
				4/26/2002		29.45	--	3,550.63
				6/6/2002		30.11	--	3,549.97
				9/30/2002		31.38	--	3,548.70
				12/19/2002		31.80	--	3,548.28
				4/2/2003		32.14	--	3,547.94
				6/19/2003		34.36	--	3,545.72
				9/23/2003		32.50	--	3,547.58
				12/19/2003		32.70	--	3,547.38
				3/18/2004		32.91	--	3,547.17
				6/30/2004		32.05	--	3,548.03
				9/8/2004		32.15	--	3,547.93
				12/27/2004		26.09	--	3,553.99
				4/4/2005		27.35	--	3,552.73
				5/12/2005		26.65	--	3,553.43
				10/7/2005		27.70	--	3,552.38
				12/12/2006		24.75	--	3,555.33
				2/21/2007		25.59	--	3,554.49
				6/12/2007		32.09	--	3,547.99
				9/20/2007		25.38	--	3,554.70
				12/5/2007		25.49	--	3,554.59
				2/25/2008		26.12	--	3,553.96
				6/10/2008		26.79	--	3,553.29
				8/15/2008		26.63	--	3,553.45
				9/29/2008		26.38	--	3,553.70
				10/15/2008		26.35	--	3,553.73
				11/7/2008		25.84	--	3,554.24
				11/13/2008		25.76	--	3,554.32
				12/11/2008		25.71	--	3,554.37
				3/31/2009		26.41	--	3,553.67
				4/13/2009		26.48	--	3,553.60

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-10				9/1/2009		26.42	--	3,553.66
				10/26/2009		26.50	--	3,553.58
				3/1/2010		26.91	--	3,553.17
				5/24/2010		26.78	--	3,553.30
				9/24/2010		24.10	--	3,555.98
				11/8/2010		24.39	--	3,555.69
				3/3/2011		25.93	--	3,554.15
				6/8/2011		26.67	--	3,553.41
				9/27/2011		27.14	--	3,552.94
				11/15/2011		27.25	--	3,552.83
WP-11	4	36.41	3,581.23	11/14/1995	29.60	29.68	0.08	3,551.61
				1/24/1996	29.32	29.49	0.17	3,551.86
				6/26/1996	30.30	30.43	0.13	3,550.89
				9/26/1996	30.45	31.00	0.55	3,550.62
				1/28/1997	30.61	31.39	0.78	3,550.39
				2/27/1997	30.61	31.53	0.92	3,550.34
				5/19/1997	30.61	31.39	0.78	3,550.39
				8/19/1997	30.78	31.25	0.47	3,550.31
				1/5/1998	30.40	30.51	0.11	3,550.80
				5/26/1998	30.25	30.26	0.01	3,550.98
				4/7/1999	30.45	31.00	0.55	3,550.62
				8/13/1999	29.55	29.85	0.30	3,551.59
				3/29/2000	29.30	29.35	0.05	3,551.92
				7/18/2000	29.65	29.70	0.05	3,551.57
				1/18/2001	29.00	29.10	0.10	3,552.20
				4/26/2002	27.11	27.13	0.02	3,554.11
				6/6/2002	27.01	27.04	0.03	3,554.21
				9/30/2002		26.00	--	3,555.23
				12/19/2002		25.71	--	3,555.52
				4/2/2003		26.17	--	3,555.06
				6/19/2003		26.50	--	3,554.73
				9/23/2003		27.11	--	3,554.12
				12/19/2003		27.36	--	3,553.87
				3/18/2004		27.56	--	3,553.67
				6/30/2004		26.84	--	3,554.39
				9/8/2004		27.81	--	3,553.42
				12/27/2004		24.56	--	3,556.67
				4/4/2005		25.41	--	3,555.82
				5/12/2005		25.96	--	3,555.27
				10/7/2005		26.16	--	3,555.07
				12/12/2006		25.93	--	3,555.30
				2/21/2007		26.76	--	3,554.47
				6/12/2007		27.12	--	3,554.11
				9/20/2007		26.61	--	3,554.62
				12/5/2007		26.78	--	3,554.45
				2/25/2008		26.39	--	3,554.84

Table 1
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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-11				6/10/2008		27.89	--	3,553.34
				8/15/2008		27.86	--	3,553.37
				9/29/2008		27.63	--	3,553.60
				10/15/2008		27.59	--	3,553.64
				11/7/2008		27.10	--	3,554.13
				11/13/2008		26.93	--	3,554.30
				12/11/2008		26.91	--	3,554.32
				3/31/2009		27.62	--	3,553.61
				4/13/2009		27.68	--	3,553.55
				9/1/2009		27.64	--	3,553.59
				10/26/2009		27.71	--	3,553.52
				3/1/2010		28.13	--	3,553.10
				5/24/2010		28.03	--	3,553.20
				9/24/2010		25.32	--	3,555.91
				11/8/2010		25.58	--	3,555.65
				3/3/2011		27.12	--	3,554.11
				6/8/2011		27.86	--	3,553.37
				9/27/2011		28.35	--	3,552.88
				11/15/2011		28.45	--	3,552.78
WP-12	4	43.27	3,581.89	11/14/1995	38.08	38.25	0.17	3,543.76
				1/24/1996	37.54	37.76	0.22	3,544.28
				6/26/1996	38.45	38.50	0.05	3,543.43
				9/26/1996	38.60	39.00	0.40	3,543.17
				1/28/1997	38.95	39.24	0.29	3,542.85
				2/27/1997	38.79	39.02	0.23	3,543.03
				5/19/1997	38.34	38.90	0.56	3,543.38
				8/19/1997	38.09	38.19	0.10	3,543.77
				1/5/1998	38.40	38.95	0.55	3,543.33
				5/26/1998	38.49	38.93	0.44	3,543.27
				4/7/1999	38.60	39.51	0.91	3,543.02
				8/13/1999	38.45	38.95	0.50	3,543.29
				3/29/2000	38.25	38.65	0.40	3,543.52
				7/18/2000	38.65	38.80	0.15	3,543.20
				1/18/2001	38.15	38.70	0.55	3,543.58
				4/26/2002	37.86	38.36	0.50	3,543.88
				6/6/2002	37.84	38.36	0.52	3,543.89
				9/30/2002	37.67	38.14	0.47	3,544.08
				12/19/2002	37.59	37.81	0.22	3,544.23
				4/2/2003	37.69	37.99	0.30	3,544.11
				6/19/2003	37.68	37.94	0.26	3,544.13
				9/23/2003	37.02	37.47	0.45	3,544.74
				12/19/2003	38.44	38.50	0.06	3,543.43
				3/18/2004	38.64	38.70	0.06	3,543.23
				6/30/2004	38.40	38.56	0.16	3,543.44
				9/8/2004	38.23	38.34	0.11	3,543.63
				12/27/2004		35.52	--	3,546.37

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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-12				4/4/2005		32.13	--	3,549.76
				5/12/2005		32.07	--	3,549.82
				10/7/2005		33.24	--	3,548.65
				12/12/2006		34.11	--	3,547.78
				2/21/2007		34.18	--	3,547.71
				6/12/2007		34.56	--	3,547.33
				9/20/2007		34.73	--	3,547.16
				12/5/2007		34.89	--	3,547.00
				2/25/2008		35.34	--	3,546.55
				6/10/2008		36.04	--	3,545.85
				8/15/2008		36.29	--	3,545.60
				9/29/2008		36.25	--	3,545.64
				10/15/2008		36.29	--	3,545.60
				11/7/2008		35.90	--	3,545.99
				11/13/2008		35.85	--	3,546.04
				12/11/2008		35.92	--	3,545.97
				3/31/2009		36.26	--	3,545.63
				4/13/2009		36.31	--	3,545.58
				9/1/2009		36.58	--	3,545.31
				10/26/2009		36.73	--	3,545.16
				3/1/2010		37.21	--	3,544.68
				5/24/2010		37.28	--	3,544.61
				9/24/2010		34.81	--	3,547.08
				11/8/2010		34.23	--	3,547.66
				3/3/2011		34.68	--	3,547.21
				6/8/2011		35.27	--	3,546.62
				9/27/2011		36.15	--	3,545.74
				11/15/2011		36.59	--	3,545.30
WP-13	4	36.54	3,580.56	11/14/1995		30.25	--	3,550.31
				1/24/1996		29.88	--	3,550.68
				6/26/1996		30.55	--	3,550.01
				9/26/1996		30.70	--	3,549.86
				1/28/1997	30.81	31.42	0.61	3,549.57
				2/27/1997	30.83	31.43	0.60	3,549.55
				5/19/1997	31.04	31.61	0.57	3,549.35
				8/19/1997	31.01	31.44	0.43	3,549.42
				1/5/1998	30.80	31.02	0.22	3,549.69
				5/26/1998	30.67	30.74	0.07	3,549.87
				4/7/1999	30.85	31.03	0.18	3,549.66
				8/13/1999	29.75	29.77	0.02	3,550.80
				3/29/2000	29.78	29.80	0.02	3,550.77
				7/18/2000	29.80	29.82	0.02	3,550.75
				1/18/2001		29.20	--	3,551.36
				4/26/2002		28.19	--	3,552.37
				6/6/2002		28.24	--	3,552.32
				9/30/2002		25.90	--	3,554.66

Table 1
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Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-13				12/19/2002		26.58	--	3,553.98
				4/2/2003		27.51	--	3,553.05
				6/19/2003		28.30	--	3,552.26
				9/23/2003		28.89	--	3,551.67
				12/19/2003		29.20	--	3,551.36
				3/18/2004		28.84	--	3,551.72
				6/30/2004		27.91	--	3,552.65
				9/8/2004		27.81	--	3,552.75
				12/27/2004		24.07	--	3,556.49
				4/4/2005		23.57	--	3,556.99
				5/12/2005		25.12	--	3,555.44
				10/7/2005		26.26	--	3,554.30
				12/12/2006		26.12	--	3,554.44
				2/21/2007		27.24	--	3,553.32
				6/12/2007		27.38	--	3,553.18
				9/20/2007		26.82	--	3,553.74
				12/5/2007		27.00	--	3,553.56
				2/25/2008		27.79	--	3,552.77
				6/10/2008		28.63	--	3,551.93
				8/15/2008		27.87	--	3,552.69
				9/29/2008		27.72	--	3,552.84
				10/15/2008		27.72	--	3,552.84
				11/7/2008		27.10	--	3,553.46
				11/13/2008		27.00	--	3,553.56
				12/11/2008		27.04	--	3,553.52
				3/31/2009		28.06	--	3,552.50
				4/13/2009		28.17	--	3,552.39
				9/1/2009		28.86	--	3,551.70
				10/26/2009		28.23	--	3,552.33
				3/1/2010		28.78	--	3,551.78
				5/24/2010		28.59	--	3,551.97
				9/24/2010		25.64	--	3,554.92
				11/8/2010		26.00	--	3,554.56
				3/3/2011		27.70	--	3,552.86
				6/8/2011		28.56	--	3,552.00
				9/27/2011		29.20	--	3,551.36
				11/15/2011		29.30	--	3,551.26
WP-14	4	48.35	3,581.81	11/14/1995		40.75	--	3,541.06
				1/24/1996		40.85	--	3,540.96
				6/26/1996		40.90	--	3,540.91
				9/26/1996		41.00	--	3,540.81
				1/28/1997		41.14	--	3,540.67
				2/27/1997		41.13	--	3,540.68
				5/19/1997		40.90	--	3,540.91
				8/19/1997		40.62	--	3,541.19
				1/5/1998		41.31	--	3,540.50

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-14				5/26/1998	41.75	41.76	0.01	3,540.06
				4/7/1999	42.65	42.70	0.05	3,539.15
				8/13/1999		42.05	--	3,539.76
				3/29/2000	41.95	42.10	0.15	3,539.82
				7/18/2000	42.15	42.20	0.05	3,539.65
				1/18/2001		35.00	--	3,546.81
				4/26/2002	42.27	42.41	0.14	3,539.50
				6/6/2002	42.22	42.40	0.18	3,539.54
				9/30/2002	42.12	42.22	0.10	3,539.66
				12/19/2002	41.96	42.09	0.13	3,539.81
				4/2/2003	41.85	41.94	0.09	3,539.93
				6/19/2003	41.77	41.84	0.07	3,540.02
				9/23/2003	42.23	42.35	0.12	3,539.54
				12/19/2003	42.67	42.85	0.18	3,539.09
				3/18/2004		42.90	--	3,538.91
				6/30/2004	41.80	41.88	0.08	3,539.99
				9/8/2004	41.94	41.99	0.05	3,539.86
				12/27/2004		33.16	--	3,548.65
				4/4/2005		31.17	--	3,550.64
				5/12/2005		32.06	--	3,549.75
				10/7/2005		34.47	--	3,547.34
				12/12/2006		35.70	--	3,546.11
				2/21/2007		35.72	--	3,546.09
				6/12/2007		35.84	--	3,545.97
				9/20/2007		37.30	--	3,544.51
				12/5/2007		37.88	--	3,543.93
				2/25/2008		38.41	--	3,543.40
				6/10/2008		38.98	--	3,542.83
				8/15/2008		38.78	--	3,543.03
				9/29/2008		38.71	--	3,543.10
				10/15/2008	38.77	38.77	0.00	3,543.04
				11/7/2008	38.87	38.87	0.00	3,542.94
				11/14/2008	38.95	38.95	0.00	3,542.86
				12/11/2008		39.06	--	3,542.75
				3/31/2009		39.29	--	3,542.52
				4/13/2009		39.27	--	3,542.54
				9/1/2009		39.45	--	3,542.36
				10/26/2009		39.81	--	3,542.00
				3/1/2010		40.29	--	3,541.52
				5/24/2010		40.12	--	3,541.69
				9/24/2010		36.43	--	3,545.38
				11/8/2010	36.18	36.28	0.10	3,545.60
				3/3/2011		36.76	--	3,545.05
				6/8/2011		37.11	--	3,544.70
				9/27/2011		38.70	--	3,543.11
				11/15/2011	39.28	39.30	0.02	3,542.52

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-15	2	35.07	3,582.27	11/14/1995		33.60	--	3,548.67
				1/24/1996	32.96	33.16	0.20	3,549.25
				6/26/1996	33.95	34.30	0.35	3,548.22
				9/26/1996	33.20	33.40	0.20	3,549.01
				1/28/1997	33.10	33.49	0.39	3,549.05
				2/27/1997	33.09	33.47	0.38	3,549.07
				5/19/1997	33.15	33.58	0.43	3,548.99
				8/19/1997	33.11	33.12	0.01	3,549.16
				1/5/1998	33.21	33.58	0.37	3,548.95
				5/26/1998	33.08	33.42	0.34	3,549.09
				4/7/1999	33.05	33.40	0.35	3,549.12
				8/13/1999	33.15	33.40	0.25	3,549.05
				3/29/2000	32.60	33.15	0.55	3,549.51
				7/18/2000	33.25	33.35	0.10	3,548.99
				1/18/2001	32.50	33.05	0.55	3,549.61
				4/26/2002	31.59	32.31	0.72	3,550.46
				6/6/2002	31.61	32.32	0.71	3,550.45
				9/30/2002	31.39	32.06	0.67	3,550.68
				12/19/2002	31.30	31.85	0.55	3,550.81
				4/2/2003	31.77	32.25	0.48	3,550.36
				6/19/2003	31.93	32.23	0.30	3,550.25
				9/23/2003		32.32	--	3,549.95
				12/19/2003		32.34	--	3,549.93
				3/18/2004		32.51	--	3,549.76
				6/30/2004		32.38	--	3,549.89
				9/8/2004		32.28	--	3,549.99
				12/27/2004		28.91	--	3,553.36
				4/4/2005		DRY	--	--
				5/12/2005		DRY	--	--
				10/7/2005		31.44	--	3,550.83
				12/12/2006		31.21	--	3,551.06
				2/21/2007		31.44	--	3,550.83
				6/12/2007		31.73	--	3,550.54
				9/20/2007		31.47	--	3,550.80
				12/5/2007		31.40	--	3,550.87
				2/25/2008	31.68	31.68	0.00	3,550.59
				4/3/2008	31.88	31.88	0.00	3,550.39
				5/16/2008	31.89	31.92	0.03	3,550.37
				6/10/2008	31.92	31.96	0.04	3,550.34
				7/10/2008	31.95	32.00	0.05	3,550.31
				8/15/2008	31.95	31.99	0.04	3,550.31
				9/29/2009	31.91	31.95	0.04	3,550.35
				10/15/2008		31.88	--	3,550.39
				11/7/2008	31.73	31.73	0.00	3,550.54
				11/14/2008	31.72	31.72	0.00	3,550.55
				12/11/2008	31.64	31.64	0.00	3,550.63
				3/31/2009	31.77	31.82	0.05	3,550.49

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-15				4/13/2009	31.79	31.84	0.05	3,550.47
				9/1/2009	31.78	31.84	0.06	3,550.47
				10/26/2009	31.83	31.86	0.03	3,550.43
				3/1/2010	32.01	32.08	0.07	3,550.24
				5/24/2010	32.00	32.09	0.09	3,550.24
				9/24/2010	30.88	30.89	0.01	3,551.39
				11/8/2010	31.00	31.02	0.02	3,551.26
				3/3/2011	32.02	32.05	0.03	3,550.24
				6/8/2011	32.01	32.02	0.01	3,550.26
				9/27/2011	32.12	32.13	0.01	3,550.15
				11/15/2011	32.20	32.25	0.05	3,550.06
WP-16	2	40.50	3,575.83	10/7/2005		34.11	--	3,541.72
				12/12/2006		34.64	--	3,541.19
				2/21/2007		35.95	--	3,539.88
				6/12/2007		35.38	--	3,540.45
				9/20/2007		35.55	--	3,540.28
				12/5/2007		35.61	--	3,540.22
				2/25/2008		35.89	--	3,539.94
				6/10/2008		36.51	--	3,539.32
				8/15/2008		36.81	--	3,539.02
				9/29/2008		36.83	--	3,539.00
				10/15/2008		36.83	--	3,539.00
				11/7/2008		36.68	--	3,539.15
				11/14/2008		36.76	--	3,539.07
				12/11/2008		36.67	--	3,539.16
				3/31/2009		36.99	--	3,538.84
				4/13/2009		37.03	--	3,538.80
				9/1/2009		37.43	--	3,538.40
				10/26/2009		37.55	--	3,538.28
				3/1/2010		37.82	--	3,538.01
				5/24/2010		37.97	--	3,537.86
				9/24/2010		36.31	--	3,539.52
				11/8/2010		36.00	--	3,539.83
				3/3/2011		36.03	--	3,539.80
				6/8/2011		36.47	--	3,539.36
				9/27/2011		37.10	--	3,538.73
				11/15/2011		37.34	--	3,538.49
WP-17	2	40.13	3,579.34	10/7/2005		35.78	--	3,543.56
				12/12/2006	36.85	36.85	0.00	3,542.49
				2/21/2007	36.78	36.79	0.01	3,542.56
				6/12/2007	37.01	37.05	0.04	3,542.32
				9/20/2007		37.55	--	3,541.79
				12/5/2007		37.85	--	3,541.49
				2/25/2008		38.15	--	3,541.19
				4/3/2008	38.70	38.70	0.00	3,540.64

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-17				5/16/2008	38.54	38.55	0.01	3,540.80
				6/10/2008	38.35	38.36	0.01	3,540.99
				7/10/2008	38.48	38.48	0.00	3,540.86
				8/15/2008	38.43	38.44	0.01	3,540.91
				9/29/2008		38.22	--	3,541.12
				10/15/2008		38.13	--	3,541.21
				11/7/2008		38.10	--	3,541.24
				11/14/2008	38.18	38.18	0.00	3,541.16
				12/11/2008		38.32	--	3,541.02
				3/31/2009		38.83	--	3,540.51
				4/13/2009		38.85	--	3,540.49
				9/1/2009		39.30	--	3,540.04
				10/26/2009		39.46	--	3,539.88
				3/1/2010	39.45	39.51	0.06	3,539.87
				5/24/2010		39.41	--	3,539.93
				9/24/2010		38.85	--	3,540.49
				11/8/2010		38.14	--	3,541.20
				3/3/2011		37.67	--	3,541.67
				6/8/2011		37.92	--	3,541.42
				9/27/2011		38.60	--	3,540.74
				11/15/2011		38.90	--	3,540.44
WP-18	2	44.57	3,579.24	10/7/2005	34.88	34.92	0.04	3,544.35
				12/12/2006	36.49	36.49	0.00	3,542.75
				2/21/2007	36.23	36.23	0.00	3,543.01
				6/12/2007		36.27	--	3,542.97
				9/20/2007		36.83	--	3,542.41
				12/5/2007	37.32	37.36	0.04	3,541.91
				2/25/2008	37.78	37.78	0.00	3,541.46
				4/3/2008	38.98	38.98	0.00	3,540.26
				5/16/2008	38.22	38.25	0.03	3,541.01
				6/10/2008	38.28	38.32	0.04	3,540.95
				7/10/2008	37.75	37.75	0.00	3,541.49
				8/15/2008		36.96	--	3,542.28
				9/29/2008		36.25	--	3,542.99
				10/15/2008		36.23	--	3,543.01
				11/7/2008		36.82	--	3,542.42
				11/14/2008	37.10	37.10	0.00	3,542.14
				12/11/2008		37.68	--	3,541.56
				3/31/2009	38.69	38.72	0.03	3,540.54
				4/13/2009	38.72	38.75	0.03	3,540.51
				9/1/2009	39.18	39.23	0.05	3,540.05
				10/26/2009	39.44	39.46	0.02	3,539.79
				3/1/2010	39.88	39.93	0.05	3,539.35
				5/24/2010		39.81	--	3,539.43
				9/24/2010		38.33	--	3,540.91
				11/8/2010		37.57	--	3,541.67

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Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-18				3/3/2011		37.19	--	3,542.05
				6/8/2011		37.36	--	3,541.88
				9/27/2011		38.22	--	3,541.02
				11/15/2011		38.85	--	3,540.39
WP-19	2	54.31	3,588.25	1/6/2009		30.74	--	3,557.51
				3/31/2009		30.86	--	3,557.39
				4/13/2009		30.89	--	3,557.36
				9/1/2009		30.74	--	3,557.51
				10/26/2009		30.91	--	3,557.34
				3/1/2010		31.10	--	3,557.15
				5/24/2010		31.18	--	3,557.07
				9/24/2010		29.12	--	3,559.13
				11/8/2010		29.01	--	3,559.24
				3/3/2011		29.13	--	3,559.12
				6/8/2011		29.54	--	3,558.71
				9/27/2011		30.23	--	3,558.02
				11/15/2011		29.99	--	3,558.26
WP-20	2	52.33	3,587.02	1/6/2009		31.36	--	3,555.66
				3/31/2009		31.42	--	3,555.60
				4/13/2009		31.43	--	3,555.59
				9/1/2009		31.15	--	3,555.87
				10/26/2009		31.21	--	3,555.81
				3/1/2010		31.54	--	3,555.48
				5/24/2010		31.71	--	3,555.31
				9/24/2010		28.86	--	3,558.16
				11/8/2010		28.96	--	3,558.06
				3/3/2011		29.47	--	3,557.55
				6/8/2011		29.87	--	3,557.15
				9/27/2011		30.36	--	3,556.66
				11/15/2011		30.54	--	3,556.48
WP-21	2	52.77	3,574.61	5/28/2009		36.76	--	3,537.85
				9/1/2009		37.11	--	3,537.50
				10/26/2009		37.34	--	3,537.27
				3/1/2010		37.81	--	3,536.80
				5/24/2010		37.80	--	3,536.81
				9/24/2010		35.96	--	3,538.65
				11/8/2010		35.40	--	3,539.21
				3/3/2011		35.16	--	3,539.45
				6/8/2011		35.29	--	3,539.32
				9/27/2011		36.18	--	3,538.43
WP-22	2	53.49	3,581.05	5/28/2009		39.12	--	3,541.93
				9/1/2009		39.45	--	3,541.60

Table 1
Monitoring Well Completion and Gauging Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Well Information				Groundwater Data				
Well ID	Well Diameter (inches)	Well Depth from TOC	TOC Elevation	Date Gauged	Depth to Fluid	Depth to Water	LNAPL Thickness	Corrected Water Elevation
WP-22				10/26/2009		39.88	--	3,541.17
				3/1/2010		40.51	--	3,540.54
				5/24/2010		40.22	--	3,540.83
				9/24/2010		36.32	--	3,544.73
				11/8/2010		36.08	--	3,544.97
				3/3/2011		36.37	--	3,544.68
				6/8/2011		36.61	--	3,544.44
				9/27/2011		38.28	--	3,542.77
				11/15/2011		38.92	--	3,542.13
WP-23	2	52.50	3,572.29	5/28/2009		37.19	--	3,535.10
				9/1/2009		37.52	--	3,534.77
				10/26/2009		37.68	--	3,534.61
				3/1/2010		37.98	--	3,534.31
				5/24/2010		38.04	--	3,534.25
				9/24/2010		37.44	--	3,534.85
				11/8/2010		37.03	--	3,535.26
				3/3/2011		36.60	--	3,535.69
				6/8/2011		36.64	--	3,535.65
				9/27/2011		37.12	--	3,535.17
				11/15/2011		37.28	--	3,535.01
WP-23								

Notes

All values are in feet, unless otherwise noted.

TOC - top of casing

Elevations are referenced to 1984 Geodetic Datum.

LNAPL sheens are presented as 0.00 foot thickness

Table 2
BTEX in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-1	10/31/1995	5.100	ND	0.18	ND
	12/20/1995	5.000	ND	ND	ND
	2/19/1996	6.300	ND	ND	ND
	7/11/1996	2.500	ND	0.060	0.058
	10/11/1996	1.100	0.033	0.068	0.280
	1/17/1997	--	--	--	--
	2/27/1997	0.590	ND	0.012	0.005
	5/19/1997	0.200	0.001	0.008	0.001
	8/19/1997	1.300	ND	ND	0.130
	1/5/1998	1.200	ND	0.024	ND
	5/26/1998	1.500	ND	0.034	0.029
	10/28/1999	0.690	ND	ND	ND
	1/18/2000	0.640	ND	ND	ND
	7/19/2000	1.700	ND	0.039	ND
	1/26/2001	1.800	ND	0.0059	ND
	6/6/2002	1.930	<0.010	0.032	<0.020
	12/19/2002	2.240	<0.100	0.161	0.151
	6/19/2003	3.460	<0.025	0.146	0.080
	12/3/2003	1.600	0.011	0.143	0.029
	7/1/2004	1.100	<0.050	<0.0500	<0.0500
	12/27/2004	1.730	<0.050	<0.050	<0.050
	06/14/2005	1.730	0.00321	0.006	0.00326
	12/12/2005	1.920	<0.05	0.018	<0.100
	07/11/2006	1.530	0.00297	0.0331	0.0154
	12/13/2006	0.131	0.00292	0.00495	0.00404
	6/12/2007	0.750	<0.100	<0.100	<0.150
	12/6/2007	0.881	<0.01	0.0493	<0.015
	6/11/2008	0.276	<0.002	0.0777	<0.003
	11/13/2008	0.219	<0.01	0.0965	<0.015
	4/14/2009	0.151	<0.01	0.0527	<0.015
	10/27/2009	0.186	<0.002	0.0421	<0.003
	5/25/2010	0.107	<0.002	0.054	0.00316
	11/9/2010	0.148	<0.002	0.0634	<0.003
	6/8/2011	0.0513	0.002	0.0674	0.00155
	11/16/2011	0.0092	<0.002	0.0577	<0.003
WP-4	6/12/2007	0.824	0.244	0.325	0.741
	12/6/2007	0.439	<0.01	0.0611	<0.015
	6/10/2008	0.133	0.0557	0.144	<0.06
	11/13/2008	0.135	<0.01	0.0827	<0.015
	4/14/2009	dry	dry	dry	dry
	10/28/2009	dry	dry	dry	dry
	5/24/2010	dry	dry	dry	dry
	11/9/2010	0.216	<0.002	0.056	<0.003
	6/8/2011	0.104	0.0108	0.0336	ND

Table 2
BTEX in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-4R	6/12/2007	0.0108	<0.010	<0.010	<0.0150
	12/6/2007	0.0232	<0.002	0.0151	<0.003
	6/10/2008	<0.0008	0.00427	0.00282	<0.003
	11/13/2008	0.00468	<0.002	<0.002	<0.003
	4/14/2009	0.01090	0.00235	<0.002	<0.003
	10/27/2009	0.01710	<0.002	<0.002	<0.003
	5/24/2010	0.00348	<0.002	<0.002	<0.003
	11/9/2010	0.10800	<0.002	0.025	<0.003
	6/8/2011	0.00473	0.0104	0.008	0.0303
	11/16/2011	<0.0008	0.00352	<0.002	<0.003
WP-5	10/31/1995	0.140	ND	0.002	0.002
	12/20/1995	0.110	ND	0.001	ND
	2/19/1996	0.140	ND	ND	ND
	7/11/1996	0.180	ND	ND	ND
	10/11/1996	0.200	ND	0.0011	ND
	1/17/1997	0.260	0.0019	0.0022	ND
	2/27/1997	0.290	ND	0.0011	ND
	5/19/1997	0.210	ND	ND	ND
	8/19/1997	0.430	ND	ND	ND
	1/5/1998	0.750	ND	ND	ND
	5/26/1998	1.100	ND	0.0012	ND
	10/28/1999	0.230	ND	ND	ND
	1/18/2000	0.190	ND	ND	ND
	7/19/2000	0.150	ND	ND	ND
	1/26/2001	0.096	ND	ND	ND
	6/6/2002	0.089	0.002	<0.001	<0.002
	12/19/2002	0.339	0.002	<0.001	0.003
	6/19/2003	2.370	<0.005	<0.005	<0.010
	12/3/2003	3.970	<0.010	<0.010	<0.020
	7/1/2004	2.850	<0.050	<0.050	<0.050
	12/27/2004	2.740	<0.020	<0.020	<0.020
	06/14/2005	3.610	<0.020	0.0109	<0.040
	12/12/2005	6.260	<0.050	0.0147	< 0.100
	07/11/2006	5.310	<0.05	<0.05	<0.1
	12/13/2006	0.128	<0.005	<0.005	<0.01
	6/12/2007	2.740	<0.100	<0.100	<0.150
	12/6/2007	3.520	<0.01	<0.01	<0.0150
	6/11/2008	2.310	<0.002	<0.002	<0.003
	11/13/2008	1.390	<0.04	<0.04	<0.06
	4/14/2009	dry	dry	dry	dry
	10/27/2009	0.309	<0.004	<0.004	<0.006
	5/24/2010	0.0171	<0.002	<0.002	<0.003
	11/8/2010	0.2210	<0.002	0.00972	<0.003
	6/8/2011	0.8320	0.002	0.00115	0.0052
	11/16/2011	0.6980		<0.004	<0.006
			<0.002		
WP-6	10/31/1995	0.620	ND	0.880	0.180

Table 2
BTEX in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
	12/20/1995	0.290	ND	0.320	0.070
	2/19/1996	0.610	ND	0.630	ND
	7/11/1996	0.280	0.025	0.450	0.042
	10/11/1996	0.280	ND	0.910	0.500
	1/17/1997	0.180	ND	0.580	ND
	2/27/1997	0.260	ND	0.690	ND
	5/19/1997	--	--	--	--
	8/19/1997	--	--	--	--
	1/5/1998	--	--	--	--
	5/26/1998	--	--	--	--
	10/28/1999	--	--	--	--
	1/18/2000	--	--	--	--
	7/19/2000	0.034	ND	0.160	ND
	1/26/2001	0.040	ND	0.130	0.0084
	06/07/2002	0.021	0.004	0.060	0.014
	06/14/2005	0.00808	0.0105	0.0155	0.0344
	07/11/2006	0.00351	0.00816	0.00444	0.01801
	6/13/2007	0.00128	<0.002	<0.002	<0.003
	12/5/2007	0.00128	<0.002	<0.002	<0.003
	6/10/2008	<0.0008	0.00784	0.00748	<0.003
	11/14/2008	0.117	<0.002	0.0180	<0.003
	4/14/2009	0.00148	<0.002	<0.002	<0.003
	10/28/2009	0.0384	<0.002	0.0202	<0.003
	5/25/2010	0.00148	<0.002	0.0202	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/8/2011	0.00154	0.002	0.0010	0.002
	11/16/2011	0.00117	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-7	10/31/1995	ND	ND	ND	ND
	12/20/1995	ND	ND	ND	ND
	2/19/1996	ND	ND	0.0010	ND
	7/11/1996	ND	ND	ND	0.0011
	10/11/1996	ND	ND	ND	ND
	1/17/1997	ND	ND	ND	ND
	2/27/1997	ND	ND	ND	ND
	5/19/1997	ND	ND	ND	ND
	8/19/1997	ND	ND	ND	ND
	1/5/1998	ND	ND	ND	ND
	5/26/1998	ND	ND	ND	ND
	10/28/1999	ND	ND	ND	ND
	1/18/2000	ND	ND	ND	ND
	7/19/2000	ND	ND	ND	ND
	1/26/2001	ND	ND	ND	ND
	07/01/2004	<0.001	<0.001	<0.001	<0.001
	06/14/2005	<0.001	<0.001	<0.001	<0.002
	07/11/2006	<0.001	<0.001	<0.001	<0.002
	6/13/2007	<0.0008	<0.002	<0.002	<0.003

Table 2
BTEX in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-7	12/5/2007	<0.0008	<0.002	<0.002	<0.003
	6/10/2008	<0.0008	<0.002	<0.002	<0.003
	11/13/2008	<0.0008	<0.002	<0.002	<0.003
	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	10/27/2009	<0.0008	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/8/2011	0.001	0.002	0.001	0.001
	11/16/2011	<0.0008	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-10	7/1/2004	1.980	<0.100	0.327	<0.100
	6/12/2007	4.070	<0.100	0.201	<0.150
	12/5/2007	4.980	<0.002	0.251	<0.003
	6/10/2008	4.090	<0.02	0.219	<0.03
	11/13/2008	4.470	<0.1	0.192	<0.15
	4/14/2009	3.54	<0.100	0.115	<0.150
	10/28/2009	3.73	<0.002	0.161	<0.003
	5/25/2010	2.19	<0.1	0.140	<0.150
	11/8/2010	4.13	<0.04	0.205	<0.06
	6/8/2011	4.18	0.04	0.268	0.02
	11/16/2011	4.17	<0.1	0.261	<0.15
	6/21/2012	2.86	<0.100	0.170	<0.150
WP-11	7/1/2004	3.050	<0.005	<0.005	<0.005
	6/12/2007	5.510	<0.100	0.877	<0.150
	12/5/2007	6.470	0.00259	0.599	<0.003
	6/10/2008	5.850	<0.02	0.646	<0.03
	11/13/2008	6.050	<0.1	0.731	<0.15
	4/14/2009	4.91	<0.100	0.458	<0.150
	10/28/2009	5.21	<0.002	0.603	<0.003
	5/25/2010	4.02	<0.1	0.488	<0.150
	11/9/2010	4.76	<0.1	0.486	<0.150
	6/8/2011	4.47	0.04	0.566	0.02
	11/16/2011	5.20	<0.1	0.538	<0.15
	6/21/2012	3.94	<0.100	0.78	<0.150
WP-12	6/12/2007	0.956	0.149	0.558	<0.150
	12/5/2007	1.090	<0.02	0.155	<0.03
	6/10/2008	1.000	<0.04	0.182	<0.06
	11/14/2008	1.730	<0.02	0.433	<0.03
	4/14/2009	1.81	0.0539	0.214	<0.03
	10/28/2009	1.79	<0.002	0.264	<0.003
	5/25/2010	1.51	<0.04	0.302	0.183
	11/9/2010	1.37	<0.02	0.215	<0.03
	6/8/2011	1.76	0.2	0.303	0.1
	11/16/2011	1.94	<0.02	0.352	<0.003
	6/21/2012	1.87	<0.04	0.348	<0.06

Table 2
BTEX in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
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Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-13	12/20/1995	5.100	ND	0.170	ND
	2/19/1996	5.700	ND	0.150	ND
	7/11/1996	3.600	ND	0.130	ND
	10/11/1996	3.400	ND	0.500	0.320
	1/17/1997	2.700	0.063	0.700	0.140
	2/27/1997	--	--	--	--
	5/19/1997	--	--	--	--
	8/19/1997	--	--	--	--
	1/5/1998	--	--	--	--
	5/26/1998	--	--	--	--
	10/28/1999	--	--	--	--
	1/18/2000	--	--	--	--
	7/19/2000	1.800	ND	0.160	ND
	1/26/2001	1.300	ND	0.057	ND
	6/7/2002	0.842	0.022	0.123	0.074
	6/19/2003	1.110	0.043	0.200	<0.121
	07/01/2004	0.586	<0.100	<0.100	<0.100
	06/14/2005	0.804	0.00721	0.064	0.015
	07/11/2006	0.415	0.00553	0.0331	0.0154
	6/12/2007	0.451	<0.100	<0.100	<0.150
	12/6/2007	0.614	0.0215	0.0221	<0.03
	6/10/2008	0.273	0.109	0.163	<0.06
	11/13/2008	0.232	<0.01	0.0128	<0.015
	4/13/2009	0.219	<0.002	<0.002	<0.003
	10/27/2009	0.168	<0.002	0.00501	<0.003
	5/25/2010	0.0575	0.00208	0.00442	<0.003
	11/9/2010	0.0647	<0.002	0.00999	<0.003
	6/8/2011	0.0776	0.04	0.02	0.071
	11/16/2011	0.00917	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	0.00205	<0.002	<0.003
WP-14	12/20/1995	0.120	ND	0.002	0.021
	2/19/1996	0.081	ND	0.001	ND
	7/11/1996	0.027	ND	ND	ND
	10/11/1996	0.029	0.0014	0.0061	0.012
	1/17/1997	ND	ND	ND	ND
	2/27/1997	0.027	0.0015	0.0016	0.0016
	5/19/1997	0.032	0.0014	0.0013	ND
	8/19/1997	0.065	ND	0.055	0.055
	1/5/1998	0.030	ND	0.0029	0.0065
	5/26/1998	0.055	ND	0.060	0.046
	10/28/1999	0.011	ND	0.015	0.0308
	1/18/2000	0.010	0.001	0.017	0.024
	7/19/2000	0.029	ND	0.007	0.0054
	1/26/2001	0.018	ND	0.011	0.014
	6/7/2002	0.012	0.002	0.009	0.021
	6/19/2003	0.025	0.006	0.011	0.034

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Targa Midstream Services LLC Monument Gas Plant
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Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-14	07/01/2004	0.199	<0.020	<0.020	<0.020
	12/12/2005	0.274	<0.005	<0.005	<0.010
	07/11/2006	0.105	0.00214	0.00426	0.00797
	12/13/2006	0.221	0.00265	0.00354	0.00769
	6/12/2007	0.601	<0.100	<0.100	<0.150
	12/5/2007	0.227	<0.002	0.0244	<0.003
	6/10/2008	0.316	<0.002	<0.002	<0.003
	11/14/2008	0.194	<0.01	0.0116	<0.015
	4/14/2009	0.414	<0.01	0.0197	<0.015
	10/28/2009	0.220	<0.002	0.0217	<0.003
	5/24/2010	0.0848	0.00445	<0.004	<0.006
	6/8/2011	0.1490	0.04	0.02	0.02
	6/21/2012	0.0142	<0.002	<0.002	<0.003
WP-15	6/12/2007	0.941	<0.100	0.206	<0.150
	12/5/2007	0.866	<0.002	0.0973	<0.003
	6/10/2008	N/S	N/S	N/S	N/S
	11/14/2008	0.660	<0.01	0.0788	<0.015
	4/14/2009	0.575	0.212	0.101	0.137
	10/28/2009	--	--	--	--
	5/24/2010	--	--	--	--
	6/8/2011	1.100	0.100	0.121	0.050
WP-16	6/21/2012	1.040	<0.002	0.073	0.043
	08/09/2005	0.00438	<0.001	<0.001	<0.002
	07/11/2006	<0.001	0.000518	<0.001	<0.002
	12/13/2006	0.000416	0.00242	0.00065	0.004301
	6/12/2007	<0.004	<0.010	<0.010	<0.015
	12/5/2007	0.00198	<0.002	<0.002	<0.003
	6/11/2008	<0.0008	<0.002	<0.002	<0.003
	11/14/2008	<0.0008	<0.002	<0.002	<0.003
	4/13/2009	0.00210	<0.002	<0.002	<0.003
	10/27/2009	0.00191	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.001	0.002	0.001	0.001
	11/16/2011	<0.008	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-17	08/09/2005	5.280	0.0909	1.220	0.2828
	07/11/2006	6.350	0.0399	0.794	0.214
	12/13/2006	5.380	<0.100	0.438	<0.200
	6/13/2007	5.380	0.118	1.730	0.752
	6/10/2008	N/S	N/S	N/S	N/S
	11/14/2008	dry	dry	dry	dry
	4/14/2009	3.75	0.420	0.711	0.203
	10/28/2009	--	--	--	--
	5/24/2010	--	--	--	--

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Targa Midstream Services LLC Monument Gas Plant
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Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-17	11/8/2010	2.61	<0.04	1.47	1.31
	6/8/2011	1.84	0.100	0.272	0.05
WP-18	08/09/2005	1.030	0.0294	0.354	0.2329
	07/11/2006	N/S	N/S	N/S	N/S
	12/12/2006	0.428	<0.100	0.0735	0.049
	6/13/2007	0.503	<0.020	0.216	0.14
	6/10/2008	N/S	N/S	N/S	N/S
	11/14/2008	0.399	<0.002	0.121	0.0703
	4/14/2009	0.380	0.142	0.246	0.163
	10/28/2009	--	--	--	--
	5/24/2010	0.343	<0.01	0.302	0.100
	11/8/2010	0.136	<0.004	0.0550	0.0262
	6/8/2011	0.112	0.0331	0.0324	0.0831
	11/16/2011	0.235	<0.002	0.2350	0.0452
	6/21/2012	1.480	<0.100	1.150	<0.150
WP-19	1/6/2009	<0.0008	<0.002	<0.002	<0.003
	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	10/27/2009	<0.0008	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.001	0.002	0.001	0.001
	11/16/2011	<0.0008	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-20	1/6/2009	<0.0008	<0.002	<0.002	<0.003
	4/13/2009	<0.0008	<0.002	<0.002	<0.003
	10/27/2009	<0.0008	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.001	0.002	0.001	0.001
	11/16/2011	0.00117	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-21	5/28/2009	<0.0008	<0.002	<0.002	<0.003
	10/27/2009	0.0011	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.001	0.002	0.001	0.001
	11/16/2011	<0.0008	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-22	5/28/2009	<0.0008	<0.002	<0.002	<0.003
	10/27/2009	0.000872	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.001	0.002	0.001	0.001

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Monitor Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standard		0.01	0.75	0.75	0.62
WP-22	11/16/2011	<0.0008	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
WP-23	5/28/2009	0.00145	<0.002	<0.002	<0.003
	10/27/2009	0.00588	<0.002	<0.002	<0.003
	5/24/2010	<0.0008	<0.002	<0.002	<0.003
	11/8/2010	<0.0008	<0.002	<0.002	<0.003
	6/7/2011	0.00186	0.00403	0.00168	0.00737
	11/16/2011	0.00113	<0.002	<0.002	<0.003
	6/21/2012	<0.0008	<0.002	<0.002	<0.003
Duplicates					
WP-1	12/3/2003	1.680	0.012	0.155	0.023
WP-10	7/1/2004	1.910	<0.200	0.322	<0.200
WP-5	12/27/2004	2.450	<0.020	<0.020	<0.020
WP-1	06/14/2005	1.630	0.00256	0.00527	0.00324
WP-14	12/12/2005	0.274	<0.005	<0.005	<0.010
WP-1	07/11/2006	1.620	<0.01	0.0288	<0.02
WP-18	12/12/2006	0.428	<0.100	0.0735	0.049
WP-14	12/13/2006	0.200	0.00301	0.00371	0.00758
WP-16	6/12/2007	<0.004	<0.010	<0.010	<0.015
WP-16	12/5/2007	0.00162	<0.002	<0.002	<0.003
WP-16	6/11/2008	<0.0008	<0.002	<0.002	<0.003
WP-16/DUP-1	11/14/2008	0.00249	<0.002	<0.002	<0.003
WP-7/DUP-01	4/13/2009	<0.0008	<0.002	<0.002	<0.003
WP-7/DUP-02	11/16/2011	<0.0008	<0.002	<0.002	<0.003
WP-21/DUP-1	5/28/2009	<0.0008	<0.002	<0.002	<0.003
WP-13/DUP-1	10/27/2009	0.143	<0.002	0.00528	<0.003
WP-19/DUP-1	5/24/2010	<0.0008	<0.002	<0.002	<0.003
WP-19/DUP-1	11/8/2010	<0.0008	<0.002	<0.002	<0.003
DUP-01	6/7/2011	0.001	0.002	0.001	0.001
Trip Blank	6/7/2011	0.001	0.002	0.001	0.001
Trip Blank	11/16/2011	<0.0008	<0.002	<0.002	<0.003
Equip Rinse-01	6/8/2011	0.001	0.002	0.001	0.001
Trip Blank-1	6/21/2012	<0.0008	<0.002	<0.002	<0.003
Dup-1/WP-20	6/21/2012	<0.0008	<0.002	<0.002	<0.003
Equip Rinse-01	6/21/2012	<0.0008	<0.002	<0.002	<0.003
Trip Blank-2	6/21/2012	<0.0008	<0.002	<0.002	<0.003

Notes

NMWQCC - New Mexico Water Quality Control Commission Human Health Standard

Analyses after 1/2007 performed by DHL Analytical, Inc., Round Rock, Texas

Results reported in milligrams/Liter (mg/L)

ND - not detected

< Less than method detection limit

-- Product in well - no sample collected

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWWQC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-1	2/27/1997	ND	1.3	ND	0.02	ND	ND	ND	ND
	5/19/1997	ND	2.6	ND	0.15	0.1	ND	ND	ND
	8/19/1997	ND	1.5	ND	0.03	ND	ND	ND	ND
	1/5/1998	ND	0.8	ND	0.03	ND	ND	ND	ND
	5/26/1998	ND	0.7	ND	ND	ND	ND	ND	ND
	10/28/1999	0.0519	7.32	ND	ND	ND	ND	ND	ND
	1/18/2000	0.0447	4.9	ND	ND	ND	ND	ND	ND
	7/19/2000	0.0333	2.77	ND	ND	ND	ND	ND	ND
	1/26/2001	0.0361	4.23	ND	ND	ND	ND	ND	ND
	6/6/2002	0.017	1.9	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	6/19/2003	0.018	1.74	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	7/1/2004	<0.005	1.44	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	06/14/2005	0.0422	12.1	0.0052	<0.005	0.035	<0.001	<0.004	<0.005
	07/11/2006	0.0354	2.02	<0.0173	<0.0174	<0.0074	0.00021	<0.0751	<0.0101
	6/12/2007	0.00535	3.61	<0.0003	<0.01	0.0014	<0.00008	<0.002	<0.001
	12/6/2007	0.0102	4.07	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/11/2008	0.0195	2.20	<0.0003	<0.002	<0.0003	<0.0004	<0.002	<0.001
	11/13/2008	0.00812	3.77	<0.0003	<0.002	<0.0003	0.0000975	<0.002	<0.001
	4/14/2009	0.0164	3.18	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	10/27/2009	0.0148	5.16	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	0.0165	4.30	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/9/2010	0.0146	5.51	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0192	2.81	0.005	0.05	0.01	0.00025	0.01	0.05
	11/16/2011	0.0263	1.34	0.0003	0.002	0.0003	<0.00008	<0.002	<0.002
WP-4	6/12/2007	<0.002	3.75	<0.0003	<0.002	0.0019	<0.00008	<0.002	<0.001
	12/6/2007	<0.002	3.56	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	0.00235	3.30	<0.0003	<0.002	0.000450	<0.00008	0.00214	<0.001
	11/13/2008	<0.002	3.48	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-4	10/28/2009	dry	dry	dry	dry	dry	dry	dry	dry
	5/24/2010	dry	dry	dry	dry	dry	dry	dry	dry
	11/9/2010	<0.002	6.50	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	<0.010	4.05	0.005	0.05	0.01	0.00025	0.01	0.05
WP-4R	6/12/2007	0.008	0.580	<0.0003	<0.01	0.000631	<0.00008	0.00229	<0.001
	12/6/2007	0.00297	1.3	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	0.0186	0.149	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/13/2008	0.00562	0.142	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	0.0135	0.295	<0.0003	<0.002	0.000323	<0.00008	<0.002	<0.001
	10/27/2009	0.00467	0.404	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	0.00753	0.242	<0.0003	<0.002	<0.003	<0.00008	<0.002	<0.001
	11/9/2010	0.00346	0.362	<0.0003	<0.002	<0.003	<0.00008	<0.002	<0.001
	6/8/2011	0.0106	0.782	0.005	0.05	0.01	0.00025	0.01	0.05
	11/16/2011	0.0263	0.168	0.0003	0.002	0.0003	<0.00008	<0.002	<0.002
WP-5	2/27/1997	ND	0.5	ND	ND	ND	ND	ND	ND
	5/19/1997	ND	1.26	ND	0.08	ND	ND	ND	ND
	8/19/1997	ND	0.05	ND	ND	ND	ND	ND	ND
	1/5/1998	ND	0.21	ND	ND	ND	ND	ND	ND
	5/26/1998	ND	0.03	ND	ND	ND	ND	ND	ND
	10/28/1999	0.00584	0.0468	ND	ND	ND	ND	0.00755	ND
	1/18/2000	0.00903	0.0235	ND	ND	ND	ND	ND	ND
	7/19/2000	0.00837	0.0313	ND	ND	ND	ND	ND	ND
	1/26/2001	0.0071	0.0219	ND	ND	ND	ND	ND	ND
	6/6/2002	<0.008	0.026	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	6/19/2003	<0.008	0.006	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	7/1/2004	<0.005	1.19	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	06/14/2005	<0.008	0.188	0.0013	0.0816	0.0421	<0.001	<0.004	<0.005
	07/11/2006	<0.0426	0.755	<0.0173	<0.0174	<0.0074	0.00014	<0.0751	<0.0101
	6/12/2007	<0.002	0.164	<0.0003	<0.002	<0.0003	<0.00008	0.0026	<0.001
	12/6/2007	<0.002	0.137	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-5	6/11/2008	0.00269	0.207	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/13/2008	<0.002	0.209	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	10/27/2009	<0.002	0.216	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	0.00251	0.404	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	<0.002	0.114	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0114	0.637	0.005	0.05	0.01	0.00025	0.0151	0.01
	11/16/2011	0.00656	0.592	0.0003	0.002	0.0003	<0.00008	<0.002	<0.001
WP-6	2/27/1997	ND	0.66	ND	0.14	ND	ND	ND	ND
	7/19/2000	0.00923	0.36	ND	0.0165	ND	ND	ND	ND
	1/26/2001	ND	0.284	ND	ND	ND	ND	ND	ND
	07/01/2004	<0.008	0.185	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	06/14/2005	<0.008	0.132	<0.001	<0.005	<0.011	<0.001	<0.004	<0.005
	07/11/2006	<0.0426	0.101	<0.0173	<0.0174	<0.0074	0.00017	<0.0751	<0.0101
	6/13/2007	0.00403	0.0737	<0.0003	<0.01	<0.0003	<0.00008	0.00791	<0.001
	12/5/2007	<0.002	0.0572	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	0.00293	0.0458	<0.0003	0.00502	<0.0003	<0.00008	<0.002	<0.001
	11/14/2008	0.00535	0.0496	<0.0003	0.00525	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	<0.002	0.0378	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	10/28/2009	<0.002	0.0374	<0.0003	0.00215	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	0.00327	0.045	<0.0003	0.0131	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	<0.002	0.0315	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0116	0.155	0.005	0.05	0.01	0.00025	0.01	0.05
	11/16/2011	0.00254	0.0358	0.0003	0.00459	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	<0.002	0.0362	0.000343	0.0086	<0.0003	<0.00008	<0.002	<0.001
WP-7	2/27/1997	ND	0.06	ND	ND	ND	ND	ND	ND
	5/19/1997	ND	0.52	ND	ND	ND	ND	ND	ND
	8/19/1997	ND	0.17	ND	ND	ND	ND	ND	ND
	1/5/1998	ND	0.2	ND	ND	ND	ND	ND	ND
	5/26/1998	ND	0.045	ND	ND	ND	ND	ND	ND

Table 3
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Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWWCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-7	10/28/1999	0.0247	0.0313	ND	0.0415	ND	0.0014	0.0142	ND
	1/18/2000	0.0252	0.0222	ND	ND	ND	ND	0.00794	ND
	7/19/2000	0.019	0.0265	ND	ND	ND	0.000908	0.00551	ND
	1/26/2001	0.0319	0.023	ND	ND	ND	ND	0.0138	ND
	6/7/2002	0.013	0.017	0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	6/19/2003	<0.008	0.003	<0.001	<0.002	<0.011	<0.0005	<0.004	<0.002
	7/1/2004	<0.005	0.581	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	06/14/2005	0.0401	0.0325	<0.001	0.2	0.0251	<0.001	<0.004	<0.005
	07/11/2006	0.0161	0.0315	<0.0173	<0.0174	<0.0074	0.00012	<0.0751	<0.0101
	6/13/2007	<0.002	0.0388	<0.0003	0.015	0.00342	<0.00008	<0.002	<0.001
	12/5/2007	0.0128	0.022	<0.0003	0.0272	<0.0003	<0.00008	0.00929	<0.001
	6/10/2008	0.0113	0.0312	<0.0003	0.0200	<0.0003	<0.00008	0.00892	<0.001
	11/13/2008	0.0157	0.0213	<0.0003	0.0499	<0.0003	<0.00008	0.0167	<0.001
	4/13/2009	0.0135	0.0183	<0.0003	0.0523	<0.0003	<0.00008	0.0138	<0.001
	10/27/2009	0.0161	0.0178	<0.0003	0.122	<0.0003	<0.00008	0.0115	<0.001
	5/24/2010	0.0161	0.023	<0.0003	0.0316	<0.0003	<0.00008	0.0132	<0.001
WP-10	11/8/2010	0.0192	0.0317	<0.0003	0.0075	<0.0003	<0.00008	0.0173	<0.001
	6/8/2011	0.0666	0.0529	<0.0050	<0.0500	0.0103	0.00025	0.0338	<0.0500
	11/16/2011	0.0163	0.028	0.0003	0.0157	0.0003	<0.0000888	0.0101	<0.001
	6/21/2012	0.0134	0.0349	<0.0003	0.0343	0.000476	<0.00008	0.0122	<0.001
	7/1/2004	<0.005	1.71	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	6/12/2007	0.00232	1.82	<0.0003	0.00581	0.000397	<0.00008	0.00386	<0.001
	12/5/2007	<0.002	1.74	<0.0003	0.00315	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	<0.002	2.10	<0.0003	0.00647	<0.0003	<0.00008	<0.002	<0.001
	11/13/2008	<0.002	1.67	<0.0003	0.00568	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	<0.002	1.95	<0.0003	0.00649	<0.0003	<0.00008	<0.002	<0.001
	10/28/2009	<0.002	2.05	<0.0003	0.00758	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	<0.002	2.03	<0.0003	0.00770	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	<0.002	2.37	<0.0003	0.00453	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0111	1.85	0.005	0.05000	0.01	0.00025	0.0259	0.05
	11/16/2011	0.002	2.30	0.0003	0.00826	0.0003	<0.00008	<0.002	<0.001

Table 3
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Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-10	6/21/2012	<0.002	2.30	<0.0003	0.33600	0.000561	<0.00008	<0.002	<0.001
WP-11	7/1/2004	<0.005	0.049	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
	6/12/2007	<0.002	2.16	<0.0003	0.00685	0.000778	<0.00008	0.00416	<0.001
	12/5/2007	<0.002	2.16	<0.0003	0.00546	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	<0.002	2.21	<0.0003	0.00673	<0.0003	<0.00008	<0.002	<0.001
	11/13/2008	<0.002	2.09	<0.0003	0.00778	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	<0.002	2.40	<0.0003	0.00779	<0.0003	<0.00008	<0.002	<0.001
	10/28/2009	<0.002	2.21	<0.0003	0.00838	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	<0.002	2.30	<0.0003	0.00870	<0.0003	<0.00008	<0.002	<0.001
	11/9/2010	<0.002	2.24	<0.0003	0.00732	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0152	2.15	<0.0050	<0.0500	<0.0100	<0.00008	0.0185	<0.0500
	11/16/2011	0.002	2.40	0.0003	0.01320	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	<0.002	2.79	<0.0003	0.03610	<0.0003	<0.00008	<0.002	<0.001
WP-12	6/12/2007	0.0479	1.03	<0.0003	0.00783	0.00043	<0.00008	0.00722	<0.001
	12/5/2007	0.0302	1.18	<0.0003	0.00648	0.000363	<0.00008	<0.002	<0.001
	6/10/2008	0.0429	1.13	<0.0003	0.00754	0.000404	<0.00008	<0.002	<0.001
	11/14/2008	0.0522	1.20	<0.0003	0.00800	0.000402	<0.00008	<0.002	<0.001
	4/14/2009	0.00833	1.18	<0.0003	0.00734	0.000598	<0.00008	<0.002	<0.001
	10/28/2009	0.0144	1.09	<0.0003	0.00743	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	0.0158	1.12	<0.0003	0.00751	<0.0003	<0.00008	<0.002	<0.001
	11/9/2010	0.0228	1.30	<0.0003	0.00678	0.000559	<0.00008	<0.002	<0.001
	6/8/2011	0.107	1.01	<0.0050	<0.0500	<0.0100	<0.00008	0.0194	<0.0500
	11/16/2011	0.0605	0.91	0.0003	0.00728	0.000329	<0.00008	<0.002	<0.001
	6/21/2012	0.0199	1.29	<0.0003	0.00937	0.001742	<0.00008	<0.002	<0.001
WP-13	7/19/2000	ND	1.89	ND	ND	ND	ND	ND	ND
	1/26/2001	0.00586	1.95	ND	ND	ND	ND	ND	ND
	6/7/2002	0.01	1.63	<0.001	<0.002	<0.011	<0.002	<0.004	<0.002
	6/19/2003	<0.008	1.07	<0.001	<0.002	<0.011	<0.0005	0.012	<0.002
	07/01/2004	<0.005	1.19	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003

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Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWWQC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-13	06/14/2005	0.0094	0.487	<0.001	<0.005	0.0306	<0.001	<0.004	<0.005
	07/11/2006	<0.0426	0.302	<0.0173	<0.0174	<0.0074	0.00018	<0.0751	<0.0101
	6/12/2007	0.00246	0.208	<0.0003	<0.002	0.00108	<0.00008	0.00338	<0.001
	12/6/2007	<0.002	0.35	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	<0.002	0.175	<0.0003	<0.002	0.000757	<0.0004	0.0965	<0.001
	11/13/2008	<0.002	0.341	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	4/13/2009	<0.002	0.271	<0.0003	<0.002	0.000324	<0.00008	<0.002	<0.001
	10/27/2009	<0.002	0.199	<0.0003	<0.002	0.00525	<0.00008	<0.002	<0.001
	5/25/2010	<0.002	0.106	<0.0003	0.00435	<0.0003	<0.00008	<0.002	<0.001
	11/9/2010	<0.002	0.171	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.01	0.194	0.005	0.05	0.01	0.00025	0.0203	0.05
	11/16/2011	0.002	0.0996	0.0003	0.002	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	<0.002	0.119	<0.0003	0.0279	0.000436	<0.00008	<0.002	<0.001
WP-14	2/27/1997	ND	0.46	ND	ND	ND	ND	ND	ND
	5/19/1997	ND	0.68	ND	ND	ND	ND	ND	ND
	8/19/1997	ND	0.45	ND	ND	ND	ND	ND	ND
	1/5/1998	ND	0.36	ND	ND	ND	ND	ND	ND
	5/26/1998	ND	0.080	ND	ND	ND	ND	ND	ND
	10/28/1999	0.00773	0.0338	ND	ND	ND	ND	ND	ND
	1/18/2000	0.00819	0.0405	ND	ND	ND	ND	ND	ND
	7/19/2000	0.00991	0.0502	ND	ND	ND	ND	ND	ND
	1/26/2001	0.0164	0.251	ND	ND	ND	ND	ND	ND
	6/7/2002	<0.008	0.02	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	07/01/2004	<0.008	0.020	0.002	<0.002	<0.011	<0.002	<0.004	<0.002
	06/14/2005	0.0335	0.142	<0.001	<0.005	0.0063	<0.001	<0.004	<0.005
	07/11/2006	<0.0426	0.107	<0.0173	<0.0174	<0.0074	0.00011	<0.0751	<0.0101
	6/12/2007	0.00242	0.0756	<0.0003	0.00435	<0.0003	<0.00008	0.00601	<0.001
	12/5/2007	<0.002	0.0365	<0.0003	0.00343	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	<0.002	0.0986	<0.0003	0.00348	<0.0003	<0.00008	0.00378	<0.001
	11/14/2008	<0.002	0.0717	<0.0003	0.00448	<0.0003	<0.00008	0.00235	<0.001
	4/14/2009	<0.002	0.0778	<0.0003	0.00309	<0.0003	<0.00008	<0.002	<0.001

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-14	10/28/2009	<0.002	0.0979	<0.0003	0.00349	<0.0003	<0.00008	<0.002	<0.001
	5/25/2010	<0.002	0.0555	<0.0003	0.00382	<0.0003	<0.00008	<0.002	<0.001
	6/8/2011	0.0145	0.0799	<0.0050	<0.0500	<0.0100	<0.00008	0.0307	<0.0500
	6/21/2012	<0.002	0.0393	<0.0003	0.44300	0.000727	<0.00008	0.00366	<0.001
WP-15	6/12/2007	<0.002	0.598	<0.0003	0.00692	0.000332	<0.00008	0.00521	<0.001
	12/5/2007	<0.002	0.513	<0.0003	0.00705	<0.0003	<0.00008	<0.002	<0.001
	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	11/14/2008	<0.002	0.656	<0.0003	0.00854	<0.0003	<0.00008	<0.002	<0.001
	4/14/2009	<0.002	0.774	<0.0003	0.00758	0.000483	<0.00008	<0.002	<0.001
	10/28/2009	--	--	--	--	--	--	--	--
	5/24/2010	--	--	--	--	--	--	--	--
	6/8/2011	0.0142	0.726	<0.0050	<0.0500	<0.0100	<0.00008	0.0208	<0.0500
WP-16	6/21/2012	<0.002	0.745	<0.0003	0.113	0.00372	<0.00008	<0.002	<0.001
	07/11/2006	<0.0426	0.0735	<0.0173	<0.0174	<0.0074	0.00014	<0.0751	<0.0101
	6/12/2007	0.00674	0.0953	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	12/5/2007	0.00363	0.0911	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/11/2008	0.00539	0.0957	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/14/2008	0.0498	0.922	<0.0003	0.0344	0.00197	<0.00008	<0.002	<0.001
	4/13/2009	0.00553	0.0927	0.000891	<0.002	<0.0003	<0.00008	<0.002	<0.001
	10/27/2009	0.00438	0.0897	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	0.00493	0.0918	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/10/2010	0.00442	0.119	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/7/2011	0.01	0.105	0.005	0.05	0.01	<0.00008	0.0112	0.05
	11/16/2011	0.00486	0.0845	0.0003	0.002	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	0.00462	0.108	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-17	07/11/2006	0.0991	82.9	<0.0692	<0.0698	<0.0296	<0.00025	0.29	<0.0405
	6/13/2007	0.0062	80.1	<0.0003	<0.01	0.00568	<0.00008	<0.002	<0.001
	6/10/2008	dry	dry	dry	dry	dry	dry	dry	dry
	11/14/2008	dry	dry	dry	dry	dry	dry	dry	dry

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-17	4/14/2009	<0.002	69.2	<0.0003	<0.002	0.000724	<0.00008	<0.002	<0.001
	10/28/2009	--	--	--	--	--	--	--	--
	5/24/2010	--	--	--	--	--	--	--	--
	11/10/2010	0.0266	62.4	<0.0003	0.00206	0.00270	0.000161	<0.002	<0.001
	6/8/2011	0.0708	<0.0500	<0.0050	<0.0500	0.01240	<0.00008	0.0151	<0.0500
WP-18	07/11/2006	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	6/13/2007	0.00774	1.46	<0.0003	<0.01	0.00182	<0.00008	<0.002	<0.001
	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	11/14/2008	<0.002	3.28	<0.0003	0.00257	<0.0003	<0.00008	0.00267	<0.001
	4/14/2009	0.00578	2.34	<0.0003	<0.002	0.000395	<0.00008	<0.002	<0.001
	10/28/2009	--	--	--	--	--	--	--	--
	5/24/2010	0.00950	2.21	<0.0003	0.00244	<0.0003	<0.00008	<0.002	<0.001
	11/10/2010	0.01280	0.272	<0.0003	<0.002	<0.0003	<0.00008	0.00312	<0.001
	6/8/2011	0.02210	0.821	0.005	0.05	0.01	0.00025	0.0349	0.05
	11/16/2011	0.00362	2.37	0.0003	0.002	0.000344	<0.00008	<0.002	<0.001
WP-19	6/21/2012	0.00803	0.595	<0.0003	0.00269	0.00104	<0.00008	0.00267	<0.001
	1/6/2009	0.0851	0.180	<0.0003	<0.002	0.0113	<0.00008	0.0131	<0.001
	4/13/2009	0.00593	0.0957	<0.0003	<0.002	<0.0003	<0.00008	0.00743	<0.001
	10/27/2009	0.00544	0.0877	<0.0003	<0.002	0.000354	<0.00008	0.00557	<0.001
	5/24/2010	0.00641	0.0756	0.000306	<0.002	<0.0003	<0.00008	0.00688	<0.001
	11/8/2010	0.0119	0.0398	<0.0003	<0.002	<0.0003	<0.00008	0.00893	<0.001
	6/7/2011	0.0501	0.0995	0.005	0.05	0.0110	ND	0.0142	0.05
	11/16/2011	0.014	0.0273	0.0003	0.002	0.0003	<0.00008	0.00882	<0.001
	6/21/2012	0.00748	0.0752	<0.0003	<0.002	0.0011	<0.00008	0.0118	<0.001
WP-20	1/6/2009	0.00541	0.110	<0.0003	<0.002	0.00103	<0.00008	0.00456	<0.001
	4/13/2009	0.00635	0.0717	0.000334	<0.002	<0.0003	<0.00008	0.00413	<0.001
	10/27/2009	0.00777	0.0519	<0.0003	<0.002	<0.0003	<0.00008	0.00431	<0.001
	5/24/2010	0.0114	0.0466	0.000372	<0.002	<0.0003	<0.00008	0.00511	<0.001
	11/8/2010	0.0105	0.0513	<0.0003	<0.002	<0.0003	<0.00008	0.00572	<0.001

Table 3
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Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-20	6/7/2011	0.0242	0.0864	0.005	0.05	0.01	ND	0.0197	0.05
	11/16/2011	0.0127	0.0305	0.0003	0.002	0.0003	<0.00008	0.00219	<0.001
	6/21/2012	0.00912	0.0636	<0.0003	0.00471	0.00803	<0.00008	0.00827	<0.001
WP-21	5/28/2009	--	--	--	--	--	--	--	--
	10/27/2009	0.0188	0.0216	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	0.0234	0.0220	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	0.0241	0.0504	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/7/2011	0.0361	0.0724	0.005	0.005	0.01	ND	0.01	0.05
	11/16/2011	0.0237	0.0210	0.00724	0.002	0.0003	<0.0000988	<0.002	<0.001
	6/21/2012	0.0276	0.0939	<0.0003	0.00326	<0.0003	<0.00008	0.00205	<0.001
WP-22	5/28/2009	--	--	--	--	--	--	--	--
	10/27/2009	<0.002	0.0435	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	<0.002	0.0414	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	<0.002	0.0388	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	6/7/2011	0.01	0.083	0.005	0.05	0.01	ND	0.01	0.05
	11/16/2011	0.002	0.0392	0.0003	0.002	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	0.0153	0.108	<0.0003	0.0038	<0.0003	<0.00008	<0.002	<0.001
WP-23	5/28/2009	--	--	--	--	--	--	--	--
	10/27/2009	0.0149	0.210	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	5/24/2010	0.0227	0.083	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
	11/8/2010	0.0237	0.059	<0.0003	<0.002	<0.0003	<0.00008	0.00201	<0.001
	6/7/2011	0.0283	0.099	0.005	0.005	0.0105	ND	0.0116	0.05
	11/16/2011	0.0057	0.108	0.000312	0.002	0.0003	<0.00008	<0.002	<0.001
	6/21/2012	0.0256	0.089	<0.0003	0.00548	0.00565	<0.00008	0.0043	<0.001
Duplicates									
WP-10	7/1/2004	<0.005	1.21	<0.001	<0.005	<0.010	<0.0002	<0.010	<0.003
WP-1	06/14/2005	0.0526	12.3	0.003	<0.005	0.0396	<0.001	<0.004	<0.005
WP-1	07/11/2006	0.0265	2.08	<0.0173	<0.0174	<0.0074	0.00026	<0.0751	<0.0101

Table 3
Dissolved Metals in Groundwater Summary
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well	Sampling Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
NMWQCC Standard		0.1	1.0	0.01	0.05	0.05	0.002	0.05	0.05
WP-16	6/12/2007	0.00605	0.0867	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16	12/5/2007	0.00417	0.0927	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16	6/11/2008	0.00417	0.0929	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-16/DUP-1	11/14/2008	0.0126	0.237	<0.0003	0.00654	0.00158	<0.00008	<0.002	<0.001
Duplicates									
WP-7/DUP-01	4/13/2009	0.0134	0.0177	<0.0003	0.0508	<0.0003	<0.00008	0.0144	<0.001
WP-7/DUP-01	11/16/2011	0.0145	0.03	0.0003	0.00655	0.0003	<0.00008	0.00797	<0.001
WP-21/DUP-1	5/28/2009	--	--	--	--	--	--	--	--
WP-13/DUP-1	10/27/2009	<0.002	0.182	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
WP-19/DUP-1	5/24/2010	0.008	0.0736	0.000488	<0.002	<0.00150	<0.00008	0.00763	<0.001
WP-19/DUP-1	11/8/2010	0.0118	0.0441	<0.0003	<0.002	<0.0003	<0.00008	0.00933	<0.001
Equip Rinse	6/21/2012	<0.002	<0.003	<0.0003	<0.002	<0.0003	<0.00008	<0.002	<0.001
Dup-1/WP-20	6/21/2012	0.00938	0.0693	<0.0003	0.00533	0.0106	<0.00008	0.00992	<0.001

Notes

Results reported in milligrams/Liter (mg/L)

< - Less than method detection limit

-- - no sample collected

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
WP-1	10/31/1995	--	--	--	--	30	ND	--	907
	12/20/1995	--	--	--	--	16	ND	--	798
	2/19/1996	--	--	--	--	21	ND	--	1,146
	7/11/1996	--	--	--	--	78	9	--	1,369
	10/11/1996	--	--	--	--	202	8	--	1,481
	2/27/1997	120	39	5	--	277	9	--	1,389
	5/19/1997	676	90.3	28	--	594	8,310	--	14,099
	8/19/1997	346	44.8	10	--	226	29	--	1,530
	1/5/1998	122	26.3	7	--	92	9	--	1,319
	5/26/1998	61.6	22.4	4.0	--	31	4	--	--
	10/28/1999	123	70.9	5.16	--	28	6.53	--	851
	1/18/2000	107	62.3	5.63	--	29.4	5.4	--	890
	7/19/2000	77.1	38.1	4.74	--	74.9	23	--	1,070
	1/26/2001	98	57.2	5.6	--	22.4	3.5	--	540
	6/6/2002	--	--	--	--	97.5	7.8	--	1,070
	12/19/2002	--	--	--	--	97.5	22.9	--	992
	6/19/2003	--	--	--	--	148	30.1	--	946
	12/3/2003	--	--	--	--	186	<0.50	--	983
	7/1/2004	--	--	--	--	91.8	<5.00	--	1,010
	12/27/2004	--	--	--	--	<5.00	<5.00	--	1,028
	06/14/2005	--	--	--	--	49.2	3.12	--	854
	12/12/2005	--	--	--	--	23.7	14.9	--	698
	07/11/2006	--	--	--	--	19.9	<5	--	672
	12/13/2006	86.6	62.2	4.51	90.2	15.2	5.24	618	764
	6/12/2007	82.0	47.0	4.38	92.2	20.9	<10	608	620
	12/6/2007	79.1	45.4	3.84	72.2	26.2	<1	547	722
	6/11/2008	73.9	41.7	3.69	70.1	36.4	<1	520	627
	11/13/2008	76.1	45.8	4.55	65.1	27.6	<1	539	714
	4/14/2009	81.8	44.9	4.11	65.0	38.6	<1	553	594
	10/27/2009	85.9	50.7	3.99	60.5	40.3	<1	552	596
	5/25/2010	90.9	53.0	4.21	57.7	48.1	1.10	550	685
	11/9/2010	90.7	51.5	4.07	48.3	48.8	<1	552	649
	6/8/2011	86.3	45.1	5.54	51.2	26.54	6.22	1000	500
	11/16/2011	118.0	58.3	4.16	72.1	52.5	86.10	547	

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWWQC Standard						250	600		1,000
WP-4	6/12/2007	41.3	35.8	3.06	570	161	<10	1,130	1,510
	12/6/2007	35.8	24.4	2.51	466	126	<1	1,120	1,530
	6/10/2008	44	31.5	2.68	415	151	6.58	1,030	1,370
	11/13/2008	46.3	34.0	2.88	398	127	10.2	1,070	1,450
	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	10/28/2009	dry	dry	dry	dry	dry	dry	dry	dry
	5/24/2010	dry	dry	dry	dry	dry	dry	dry	dry
	11/9/2010	74.2	58.6	3.1	241	60.9	<1	966	1,070
	6/8/2011	50.7	35.0	5.7	380	96.8	ND	1,060	
WP-4R	6/12/2007	71.4	37.3	3.69	425	244	69.9	864	1,410
	12/6/2007	64.6	28.7	3.25	405	196	75.9	871	1,370
	6/10/2008	67	32	3.5	337	229	141	760	1,370
	11/13/2008	67.5	31.1	4.12	336	200	132	724	1,380
	4/14/2009	56.2	25.9	3.11	331	155	101	786	1,270
	10/27/2009	58.0	28.0	2.86	373	127	80	836	1,210
	5/24/2010	53.9	23.9	3.74	374	122	69.8	836	1,220
	11/9/2010	70.0	35.8	3.00	283	116	61.2	889	1,190
	6/8/2011	66.5	30.7	6.21	301 D	164	122	1,100	1,120
	11/16/2011	59.2	25.1	3.39	382	181	143	722	
WP-5	10/31/1995	--	--	--	--	6,700	2,960	--	16,229
	12/20/1995	--	--	--	--	7,500	2,670	--	17,087
	2/19/1996	--	--	--	--	9,000	3,090	--	20,202
	7/11/1996	--	--	--	--	6,250	2,880	--	15,321
	10/11/1996	--	--	--	--	6,150	2,800	--	15,024
	1/17/1997	--	--	--	--	6,350	3,110	--	15,833
	2/27/1997	--	--	--	--	6,300	2,800	--	15,190
	5/19/1997	--	--	--	--	6,820	2,440	--	15,288
	8/19/1997	--	--	--	--	14,200	5,550	--	32,222
	1/5/1998	--	--	--	--	5,760	2,900	--	14,579
	5/26/1998	--	--	--	--	6,600	2,800	--	--
	10/28/1999	--	--	--	--	8,410	3,830	--	20,200
	1/18/2000	--	--	--	--	9,340	4,780	--	23,700
	7/19/2000	--	--	--	--	9,530	1,400	--	22,000
	1/26/2001	--	--	--	--	8,790	9,400	--	15,700
	6/6/2002	--	--	--	--	6,380	3,960	--	16,100

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
WP-5	12/19/2002	--	--	--	--	5,140	2,580	--	11,700
	6/19/2003	--	--	--	--	1,600	972	--	5,090
	12/3/2003	--	--	--	--	886	401	--	3,300
	7/1/2004	--	--	--	--	427	239	--	2,500
	12/27/2004	--	--	--	--	584	475	--	2,715
	06/14/2005	--	--	--	--	385	138	--	1,880
	12/12/2005	--	--	--	--	1,040	206	--	3,430
	07/11/2006	--	--	--	--	1,320	431	--	3,980
	12/13/2006	14.5	6.58	14.9	888	504	173	1,100	2,180
	6/12/2007	32.0	17.2	16.0	1,240	1,240	172	1,140	3,640
	12/6/2007	25.4	12.1	14.0	1,020	869	102	1,160	2,950
	6/11/2008	37.4	21.9	18.4	1,310	1,470	181	1,230	3,640
	11/13/2008	32.3	18.9	15.4	1,120	987	62.0	1,170	3,110
	4/14/2009	dry	dry	dry	dry	dry	dry	dry	dry
	10/27/2009	24.9	11.5	11.5	752	416	84.7	1,080	1,990
	5/24/2010	36.6	16.3	12.7	666	465	27.5	1,030	1,990
	11/8/2010	101	30.9	16.0	437	274	364	702	1,740
	6/8/2011	106	63.5	42.4	892	1,400	158	1,100	3,030
	11/16/2011	53	43.3	18.2	1,160	1,360	45	1,250	
WP-6	10/31/1995	--	--	--	--	2,100	53	--	5,271
	12/20/1995	--	--	--	--	1,900	28	--	5,259
	2/19/1996	--	--	--	--	1,500	21	--	4,718
	7/11/1996	--	--	--	--	1,520	34	--	4,724
	10/11/1996	--	--	--	--	1,670	17	--	3,678
	1/17/1997	--	--	--	--	1,500	268	--	4,371
	2/27/1997	189	134	26	--	1,420	71	--	4,654
	7/19/2000	144	150	17.8	--	1,660	46	--	4,310
	1/26/2001	188	147	20.9	--	1,900	480	--	2,900
	06/07/2002	--	--	--	--	1,600	147	--	4,410
	06/14/2005	--	--	--	--	1,100	1,980	--	4,670
	07/11/2006	--	--	--	--	807	2,060	--	8,620
	6/13/2007	429	177	15	748	635	2,000	556	4,530
	12/5/2007	437	169	23.4	1,530	1,840	2,290	1,140	7,140
	6/10/2008	293	138	11.8	634	688	1,460	704	3,780
	11/14/2008	224	126	12.7	592	448	999	636	3,080
	4/14/2009	352	145	11.7	631	440	1,750	652	4,080

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
WP-6	10/28/2009	311	134	12.7	741	659	1,540	726	4,100
	5/25/2010	237	116	10.5	597	495	951	688	3,030
	11/8/2010	478	156	11.9	522	351	1,960	577	4,110
	6/8/2011	254	110	24.4	632	672	1,710	820	3,430
	11/16/2011	282	128	11.7	777	829	1,270	628	
	6/21/2012	398	148	13.8	702	587	1,530	622	4,030
WP-7	10/31/1995	--	--	--	--	16,000	5,830	--	35,492
	12/20/1995	--	--	--	--	15,000	5,390	--	32,986
	2/19/1996	--	--	--	--	16,500	6,160	--	36,587
	7/11/1996	--	--	--	--	15,200	6,270	--	34,522
	10/11/1996	--	--	--	--	15,200	5,720	--	33,712
	1/17/1997	--	--	--	--	15,200	3,510	--	30,385
	2/27/1997	909	358	123	--	15,200	6,170	--	34,468
	5/19/1997	1,350	377	119	--	16,200	5,160	--	34,470
	8/19/1997	1,110	381	114	--	6,870	3,350	--	16,781
	1/5/1998	634	157	70	--	9,300	6,900	--	26,116
	5/26/1998	749	195	113	--	12,700	8,800	--	--
	10/28/1999	698	158	173	--	11,800	7,080	--	30,800
	1/18/2000	650	145	209	--	11,700	7,560	--	28,600
	7/19/2000	953	160	267	--	10,600	1,370	--	25,400
	1/26/2001	508	110	208	--	7,580	11,700	--	7,180
	6/7/2002	--	--	--	--	5,670	905	--	16,800
	6/19/2003	--	--	--	--	13,800	6550	--	30,700
	07/01/2004	--	--	--	--	7,440	3270	--	28,500
	06/14/2005	--	--	--	--	10,900	7310	--	15,500
	07/11/2006	--	--	--	--	10,400	4,340	--	12,100
	6/13/2007	773	352	140	9,140	14,100	5,510	475	29,400
	12/5/2007	678	282	112	7,870	12,400	4,980	499	27,800
	6/10/2008	792	342	121	8,980	14,900	5,430	479	26,000
	11/13/2008	608	288	106	7,740	11,900	4,670	453	28,300
	4/13/2009	572	251	91.3	6,760	9,450	4,270	546	23,300
	10/27/2009	506	226	76.4	6,690	9,560	3,900	482	20,000
	5/24/2010	788	346	95.8	8,720	13,100	4,800	475	30,400
	11/8/2010	382	152	80.3	5,460	6,910	3,710	482	17,700
	6/8/2011	576	263	201	5,730	11,600	4,800	490	
	11/16/2011	692	349	110	9,160	14,400	4,900	452	22,200

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
WP-7	6/21/2012	874	405	104	9,320	15,700	5,490	479	31,500
WP-10	7/1/2004	--	--	--	--	832	106	--	3,550
	6/12/2007	90.2	58.6	10.6	648	552	43.5	1,240	2,300
	12/5/2007	86.9	64.2	9.75	505	433	5.42	1,250	2,190
	6/10/2008	86.5	63.6	11.0	625	572	17.1	1,210	2,270
	11/13/2008	97.7	72.3	11.20	586	462	89.8	1,160	2,310
	4/14/2009	86.1	60.3	10.4	594	568	23.2	1,230	2,290
	10/28/2009	98.8	70.5	11.4	684	575	16.2	1,210	2,340
	5/25/2010	120	85.4	11.7	768	1,010	15.4	1,170	2,900
	11/8/2010	89	60.9	10.8	569	434	3.2	1,260	2,140
	6/8/2011	79	55.2	17.4	499	449	37.9	1,800	1,930
	11/16/2011	91	71.2	9.9	634	512	15.8	1,250	
	6/21/2012	202	136.0	13.3	1,530	3160	59.1	862	6,230
WP-11	7/1/2004	--	--	--	--	482	79.2	--	1,945
	6/12/2007	77.2	57.2	11.4	644	523	21.6	1,190	2,140
	12/5/2007	75.8	56.8	9.7	585	478	5.59	1,190	2,210
	6/10/2008	71.7	56.3	10.9	572	543	7.75	1,170	2,100
	11/13/2008	74.2	60.2	10.8	594	532	12.3	1,150	2,230
	4/14/2009	79.7	58.5	11.2	580	469	4.86	1,240	2,150
	10/28/2009	85.4	64.5	11.6	631	553	4.98	1,180	2,230
	5/25/2010	89.4	68.2	11.5	580	525	5.61	1,190	2,180
	11/9/2010	78.9	58.8	11.4	532	444	9.90	1,250	2,070
	6/8/2011	75.9	55.1	19.3	500	401	32.30	1,380	1,840
	11/16/2011	76.6	65.6	10.6	614	469	15.30	1,180	
	6/21/2012	92.6	73.6	12.3	604	956	19.50	1,110	2,220
WP-12	6/12/2007	47.8	31.5	4.18	1,160	1,170	<10	1,530	3,320
	12/5/2007	38.8	26.7	3.25	1,150	1,070	<1	1,530	3,300
	6/10/2008	40.9	27.1	3.53	1,100	1,050	4.25	1,570	3,340
	11/14/2008	42.0	26.9	3.45	1,130	804	1.62	1,630	3,460
	4/14/2009	45.9	27.6	3.42	1,050	721	<1	1,800	3,180
	10/28/2009	55.6	31.9	3.48	1,170	751	<1	1,730	3,270
	5/25/2010	34.1	22.6	3.11	1,060	725	<1	1,690	2,980
	11/9/2010	20.4	14.3	2.77	950	681	1.06	1,710	3,000
	6/8/2011	576	263	201	807	657	25.00	1,640	2,620

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWWQC Standard						250	600		1,000
WP-12	11/16/2011	29	18	2.92	1,020	671	1.59	1,660	
	6/21/2012	50	18	3.13	995	666	<1.00	1,640	2,750
WP-13	12/20/1995	--	--	--	--	2,300	11	--	5,387
	2/19/1996	--	--	--	--	1,150	5	--	3,495
	7/11/1996	--	--	--	--	975	13	--	3,229
	10/11/1996	--	--	--	--	975	9	--	3,027
	1/17/1997	--	--	--	--	487	15	--	2,207
	7/19/2000	81.2	49.2	6.68	--	681	288	--	2,310
	1/26/2001	73.4	49.1	6.68	--	569	3.5	--	13,400
	6/7/2002	--	--	--	--	768	8.7	--	2,980
	6/19/2003	--	--	--	--	576	31.8	--	2,000
	07/01/2004	--	--	--	--	642	75.2	--	2,640
	06/14/2005	--	--	--	--	327	232	--	2,250
	07/11/2006	--	--	--	--	209	186	--	1,460
	6/12/2007	136	86.6	5.21	286	168	248	883	1,580
	12/6/2007	99	61.7	4.9	375	165	144	1,030	1,580
	6/10/2008	152	88.9	4.76	215	180	388	784	1,600
	11/13/2008	85.6	55.5	4.61	408	238	54.3	1,070	1,730
	4/13/2009	147	87.8	4.92	285	189	261	928	1,650
	10/27/2009	129	76.6	4.85	331	193	174	958	1,550
	5/25/2010	194	91.2	5.44	246	188	358	824	1,730
	11/9/2010	122	69.7	4.86	376	191	398	976	1,920
	6/8/2011	179	83.4	7.60	183	135	375	1,300	1,400
	11/16/2011	193	85.9	5.63	257	210	377	753	
	6/21/2012	205	83.7	6.94	278	251	353	775	1,790
WP-14	12/20/1995	--	--	--	--	7,750	1,170	--	15,888
	2/19/1996	--	--	--	--	10,000	2,670	--	21,366
	7/11/1996	--	--	--	--	12,200	3,040	--	25,570
	10/11/1996	--	--	--	--	11,500	29	--	19,754
	1/17/1997	--	--	--	--	11,700	3,110	--	24,483
	2/27/1997	890	314	78	--	11,700	3,780	--	25,463
	5/19/1997	1,160	325	79	--	12,400	2,740	--	25,009
	8/19/1997	859	304	69	--	10,600	3,790	--	23,619
	1/5/1998	923	310	70	--	12,000	3,500	--	25,345
	5/26/1998	816	328	75.0	--	13,100	3,840	--	--

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
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Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWWQC Standard						250	600		1,000
WP-14	10/28/1999	759	323	74.5	--	11,400	3,460	--	24,500
	1/18/2000	633	276	71.6	--	11,200	3,060	--	24,000
	7/19/2000	572	279	69.9	--	11,100	2,300	--	20,500
	1/26/2001	679	322	77.7	--	11,600	3,950	--	18,000
	12/19/2002	--	--	--	--	11,300	3,520	--	25,400
	07/01/2004	--	--	--	--	12,200	2,940	--	25,600
	12/27/2004	--	--	--	--	7,740	2,380	--	14,900
	06/14/2005	--	--	--	--	5,470	2,510	--	8,910
	12/12/2005	--	--	--	--	4,250	1,400	--	11,400
	07/11/2006	--	--	--	--	5,050	1,720	--	11,000
	12/13/2006	198	130	41	2,970	3,800	1,100	1,300	8,790
	6/12/2007	210	108	27	3,160	4,560	1,430	1,180	9,180
	12/5/2007	126	75.8	24	2,740	3,500	925	1,310	8,700
	6/10/2008	105	80.2	24.8	2,770	3,970	789	1,440	7,900
	11/14/2008	217	121	28.8	3,490	4,410	1,140	1,210	11,000
	4/14/2009	113	72.0	23.2	2,740	3,540	715	1,470	8,740
	10/28/2009	86.9	69.1	22.0	2,800	3,830	640	1,480	8,430
WP-15	5/25/2010	240	126	30.6	3,730	5,150	1,390	1,080	11,700
	6/8/2011	172	90.2	56.8	2,320	4,310	1,390	1,220	8,370
	6/21/2012	490	164.0	33.8	4,010	6,650	2,030	845	13,200
	6/12/2007	69.9	54.4	7.83	925	1,000	76.4	1,240	2,950
	12/5/2007	55.2	48.4	6.84	790	986	70.6	1,160	2,570
	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	11/14/2008	64.4	49.6	7.16	886	954	22.7	1,200	2,920
WP-16	4/14/2009	56.6	46.6	7.24	849	799	6.87	1,340	2,920
	10/28/2009	--	--	--	--	--	--	--	--
	5/24/2010	--	--	--	--	--	--	--	--
	6/8/2011	61.7	48.1	14.2	633	764	67.5	1900	2310
	6/21/2012	92.2	62.4	8.22	874	1010	112	1080	2790
	07/11/2006	--	--	--	--	690	202	--	2,940
	12/13/2006	13.8	12.6	6.6	1,710	680	182	1,360	2,900
	6/12/2007	9.7	10.1	3.78	912	577	120	1,350	2,630
	12/5/2007	8.97	7.41	2.96	905	553	91.7	1,290	2,470
	6/11/2008	8.28	7.41	3.02	811	501	72.8	1,320	2,260
	11/14/2008	53.6	25.0	3.51	1,050	421	70.3	1,280	2,320

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
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Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWWQC Standard						250	600		1,000
WP-16	4/13/2009	8.64	7.72	3.24	881	421	62.1	1,420	2,300
	10/27/2009	9.26	8.44	3.13	881	421	65.3	1,340	2,200
	5/24/2010	10.0	8.63	3.24	933	380	45.3	1,380	2,250
	11/8/2010	12.6	10.2	3.43	846	424	252	1,260	2,430
	6/7/2011	18.9	13.9	7.34	622	513	161	1,100	1,720
	11/16/2011	10.1	8.5	3.11	778	410	82	1,160	2,070
	6/21/2012	17.6	10.6	3.68	772	339	57	1,300	2,050
WP-17	07/11/2006	--	--	--	--	4,700	<50	--	7,150
	12/13/2006	249	399	21.4	3,240	4,770	178	1,960	9,110
	6/13/2007	227	346	9.99	2,550	4,750	<10	918	8,280
	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
	11/14/2008	dry	dry	dry	dry	dry	dry	dry	dry
	4/14/2009	192	270	7.72	2,120	4,440	<1.00	936	8,120
	10/28/2009	--	--	--	--	--	--	--	--
WP-18	5/24/2010	--	--	--	--	--	--	--	--
	11/8/2010	216	245	8.64	2240	4410	<1.00	955	8,400
	6/8/2011	215	246	24.1	1510	5630	238	1400	8,120
	07/11/2006	--	--	--	--	--	--	--	--
	12/13/2006	285	162	46.2	5,060	7,510	493	1,160	14,400
	6/13/2007	71.7	174	12.5	5,080	7,510	523	2,190	13,200
	6/10/2008	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
WP-19	11/14/2008	47.0	107	8.55	3,900	4,630	35.3	2,430	10,700
	4/14/2009	47.0	122	9.19	3,990	5,180	226	2,530	11,200
	10/28/2009	--	--	--	--	--	--	--	--
	5/24/2010	67.1	161	11.3	4,860	6,450	425	2,210	13,900
	11/8/2010	89.0	178	15.1	4,970	7,500	613	2,100	14,700
	6/8/2011	57.6	118 D	25.7	3140 D	5,320	635	2,900	10,800
	11/16/2011	22.2	71	4.39	2,810	3,770	178	2,470	8,780
WP-19	6/21/2012	423.0	131	10.2	3,940	7,200	411	2,200	13,100
	1/6/2009	1,450	719	62.2	10,400	17,700	4,020	552	38,000
	4/13/2009	1,450	762	61.4	9,920	20,500	3,810	530	41,300
	10/27/2009	1,660	940	60.2	11,100	21,600	3,870	534	40,500
	5/24/2010	1,590	897	54.8	11,300	20,300	3,460	545	40,700
WP-19	11/8/2010	972	472	123.0	12,500	20,200	5,500	634	41,000

Table 4
Groundwater Quality Parameters
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Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
WP-19	6/7/2011	1,470	827	144.0	8,390	22,300	4,300	640	38,300
	11/16/2011	560	257	104.0	9,510	12,000	6,080	629	27,500
	6/21/2012	1,690	932	60.3	11,700	22,600	4,180	522	40,700
WP-20	1/6/2009	1,090	404	44.2	4,500	7,780	3,310	362	17,300
	4/13/2009	1,080	446	37.2	4,200	8,210	3,060	444	19,100
	10/27/2009	972	411	46.3	5,600	8,670	3,470	475	18,300
	5/24/2010	894	343	52.2	5,710	8,200	3,790	516	20,200
	11/8/2010	999	383	65.4	5,190	8,920	3,520	499	20,500
	6/7/2011	909	386	115.0	3,830	9,210	3,760	520	18,000
	11/16/2011	660	240	96.6	7,240	9,950	4,830	581	2,070
WP-21	6/21/2012	1,040	399	50.2	5,540	9,710	3,940	479	20,800
	5/28/2009	--	--	--	--	3,750	1,510	417	8,380
	10/27/2009	281	110	32.6	2,610	3,620	1,460	492	8,110
	5/24/2010	266	105	29.3	2,530	3,410	1,220	514	7,920
	11/8/2010	274	105	36.1	2,420	3,870	1,260	514	8,350
	6/7/2011	225	86.3	59.6	1,620	3,060	1,120	490	7,110
	11/16/2011	212	90.1	24.4	2,320	3,500	1,150	496	7,450
WP-22	6/21/2012	1,390	97.7	26.2	2,160	2,910	1,050	483	6,560
	5/28/2009	--	--	--	--	2,480	832	405	5,360
	10/27/2009	254	84.0	16.7	1,320	2,010	761	412	4,490
	5/24/2010	243	77.4	16.6	1,250	1,780	624	435	4,370
	11/8/2010	233	65.5	14.6	1,010	1,630	774	369	4,060
	6/7/2011	207	62.1	29.6	865	1,570	715	420	3,780
	11/16/2011	214	65.3	13.6	1,110	1,850	699	382	4,250
WP-23	6/21/2012	1,210	74.0	15.5	1,060	1,580	628	366	3,990
	5/28/2009	--	--	--	--	9,180	1,210	984	16,000
	10/27/2009	255	290	17.6	5,170	7,790	1,060	1,220	14,800
	5/24/2010	241	252	17.9	4,910	6,730	1,110	1,190	15,100
	11/8/2010	230	216	18.3	4,780	7,240	1,350	1,190	15,100
	6/7/2011	229	205	40.3	3,360	7,260	1,690	1,220	12,500
	11/16/2011	139	197	12.0	4,400	7,080	1,180	1,290	12,800
	6/21/2012	632	198	15.0	4,450	5,920	1,430	1,170	12,600

Table 4
Groundwater Quality Parameters
Targa Midstream Services LLC Monument Gas Plant
Lea County, New Mexico

Monitor Well ID	Sampling Date	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	TDS
NMWQCC Standard						250	600		1,000
Duplicates									
WP-10	7/1/2004	--	--	--	--	930	105	--	5,400
WP-5	12/27/2004	--	--	--	--	653	477	--	2,625
WP-1	06/14/2005	--	--	--	--	50.5	3.26	--	852
WP-14	12/12/2005	--	--	--	--	4,770	1,590	--	10,400
WP-1	07/11/2006	--	--	--	--	20.1	<5	--	654
WP-14	12/13/2006	285	162	46	5,060	4,860	1,500	1,160	11,400
WP-16	6/12/2007	9.2	10.5	3.71	969	592	119	1,350	2,590
WP-16	12/5/2007	8.95	7.88	3.15	895	547	92	1,300	2,470
WP-16	6/11/2008	8.28	7.41	3.02	811	501	72.8	1,320	2,260
WP-16/DUP-1	11/14/2008	47.80	12.0	3.32	890	444	69.7	1,280	2,330
WP-7/DUP-01	4/13/2009	565	239	88.6	6,970	10,200	4,170	548	23,300
WP-7/DUP-01	11/16/2011	808		9,660.0		15,500	5,270	484	
WP-21/DUP-1	5/28/2009	--	--	--	--	3,920	1,620	442	8,610
WP-13/DUP-1	10/27/2009	134	81	5.3	318	198	183	923	1,510
WP-19/DUP-1	5/24/2010	1,600	909	68.8	11,800	21,100	4,140	550	40,400
WP-19/DUP-1	11/8/2010	982	481	103.0	12,100	19,500	6,210	647	40,600
Equip Rinse-01	6/8/2011								
Trip Blank-01	6/7/2011								
Dup-1/WP-20	6/21/2012	1,070	400	51.7	5,620	9,520	3,850	488	20,500
Equip Rinse-01	6/21/2012	0.286	0.349	<0.1	<0.1	<0.300	<1.00	<10.0	<10.0

Notes

Results reported in milligrams/Liter (mg/L)

< - Less than method detection limit

-- - Sample not collected

FIGURES



Figure 1 - Topographic Map



Figure 2 - Aerial Photograph

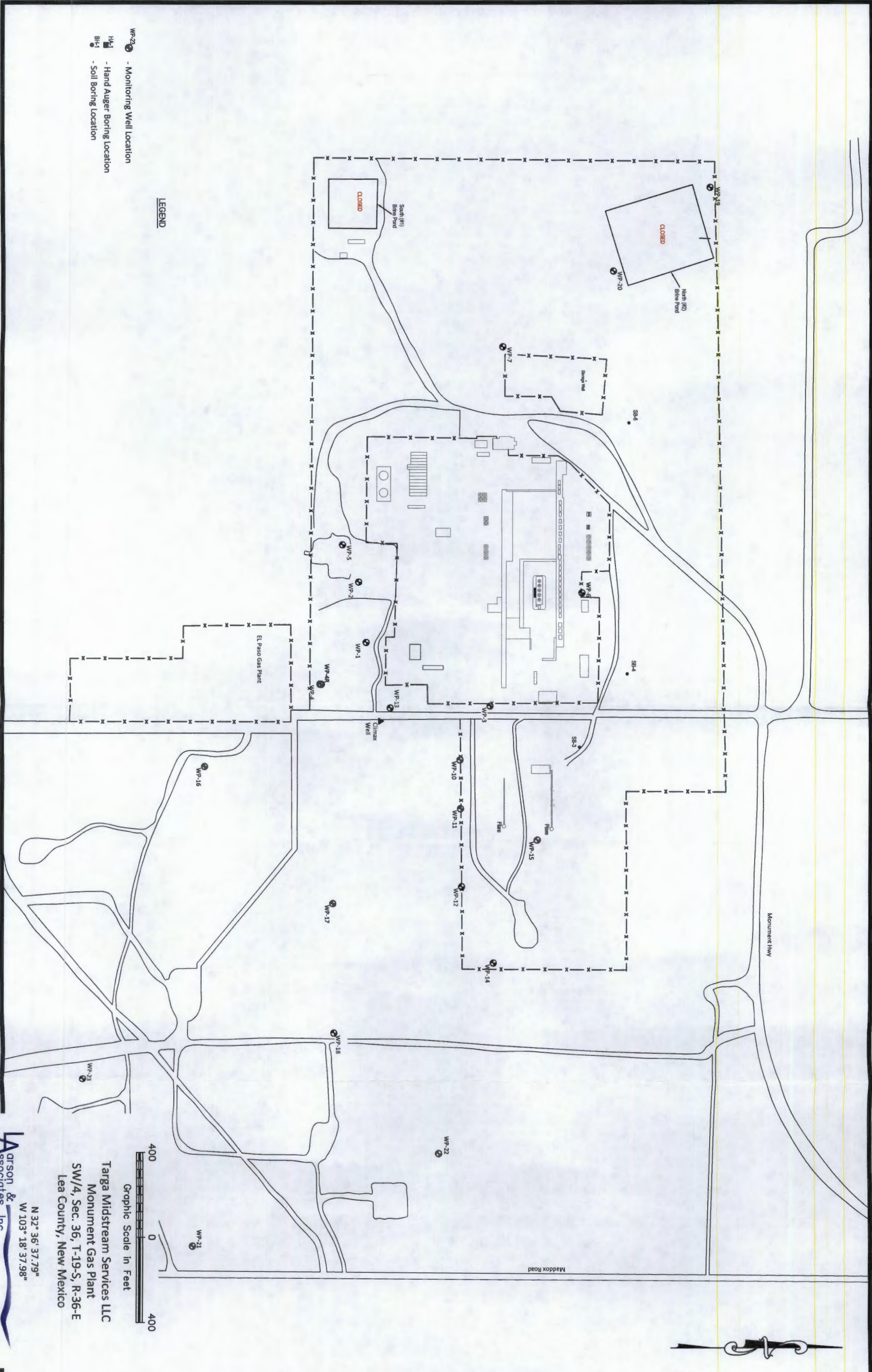


Figure 3 - Site Drawing

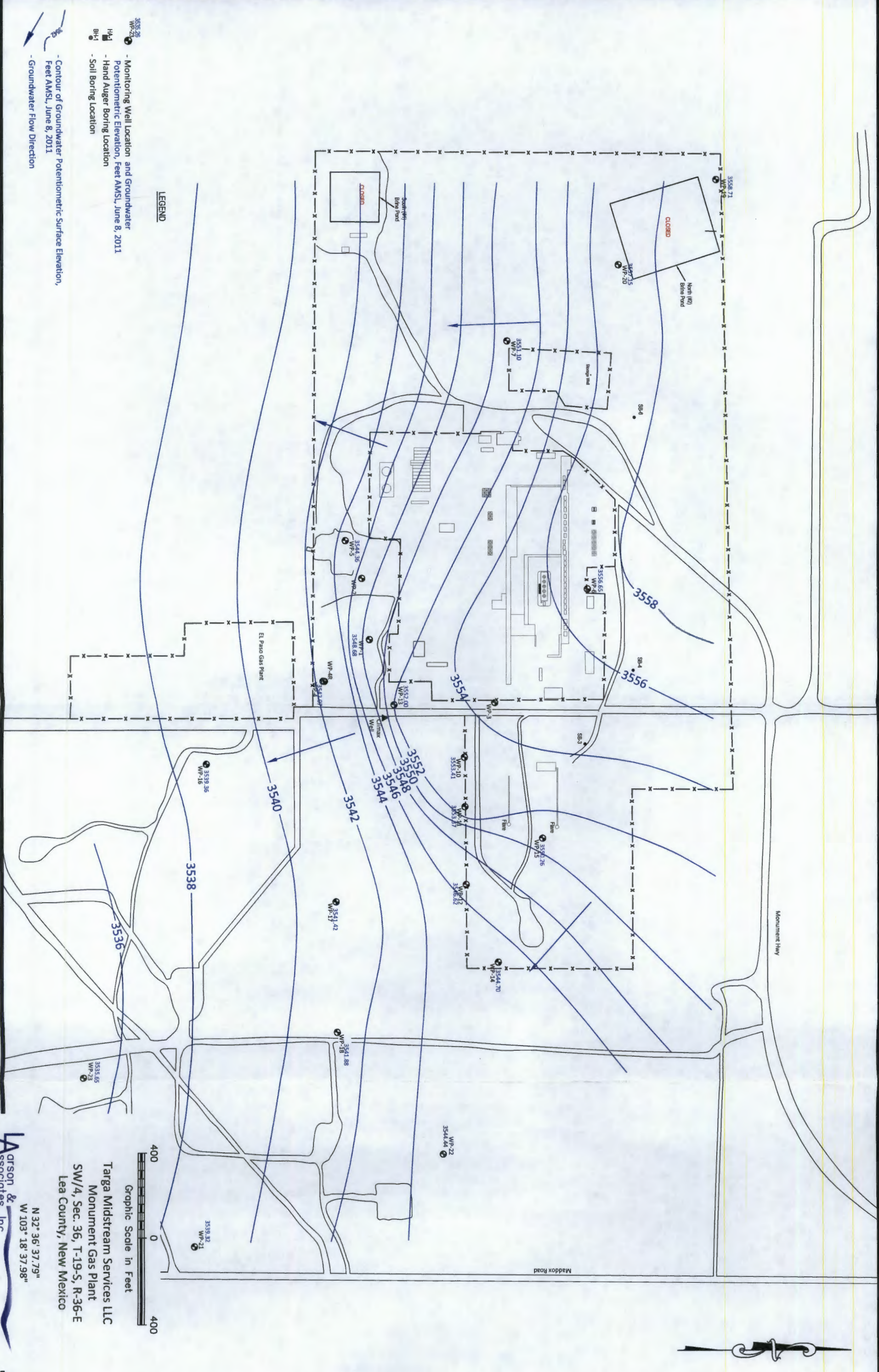


Figure 4a - Groundwater Potentiometric Surface June 8, 2011



Figure 4b - Groundwater Potentiometric Surface November 15, 2011

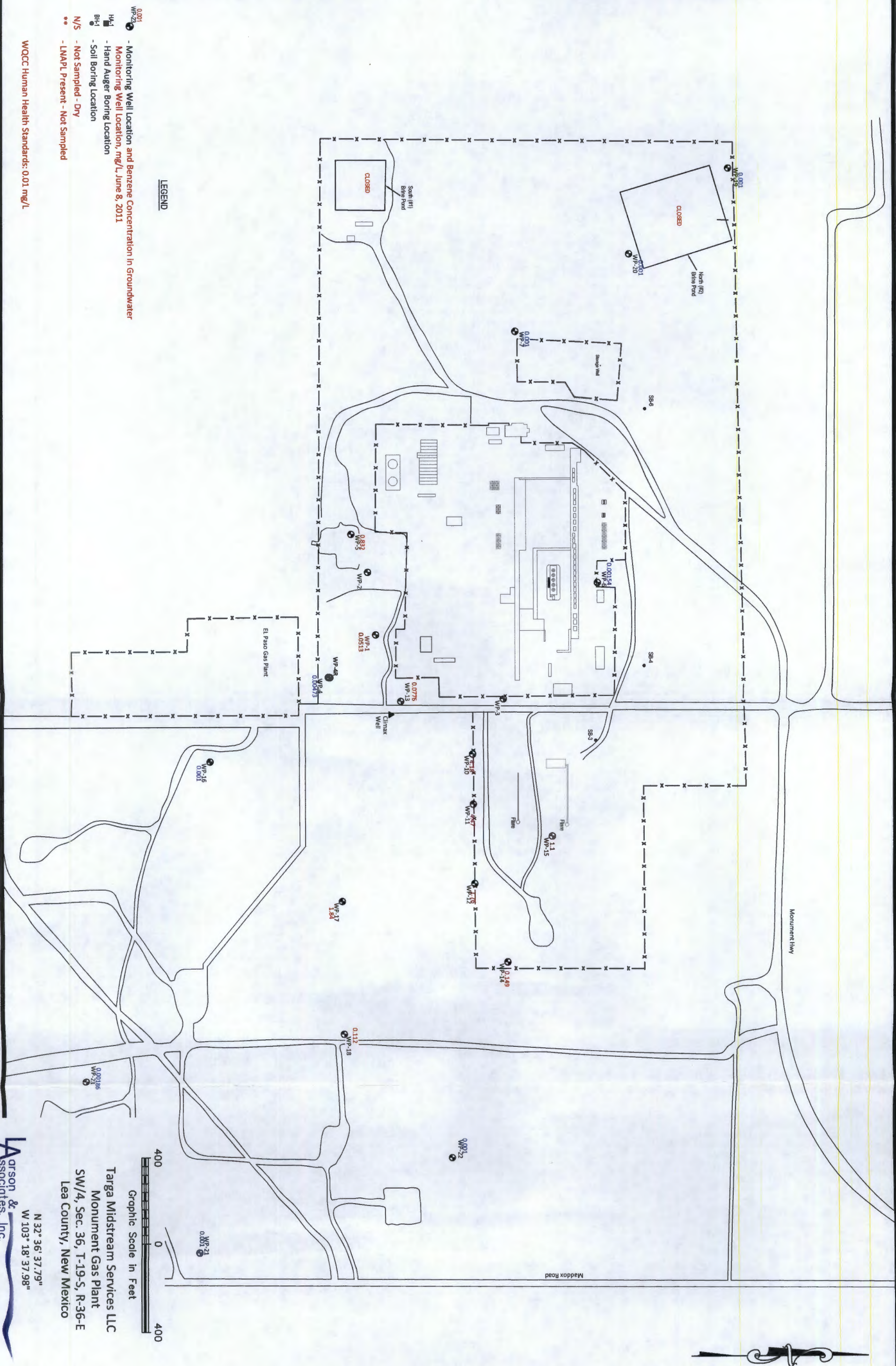


Figure 5a - Benzene Concentration in Groundwater, June 8, 2011

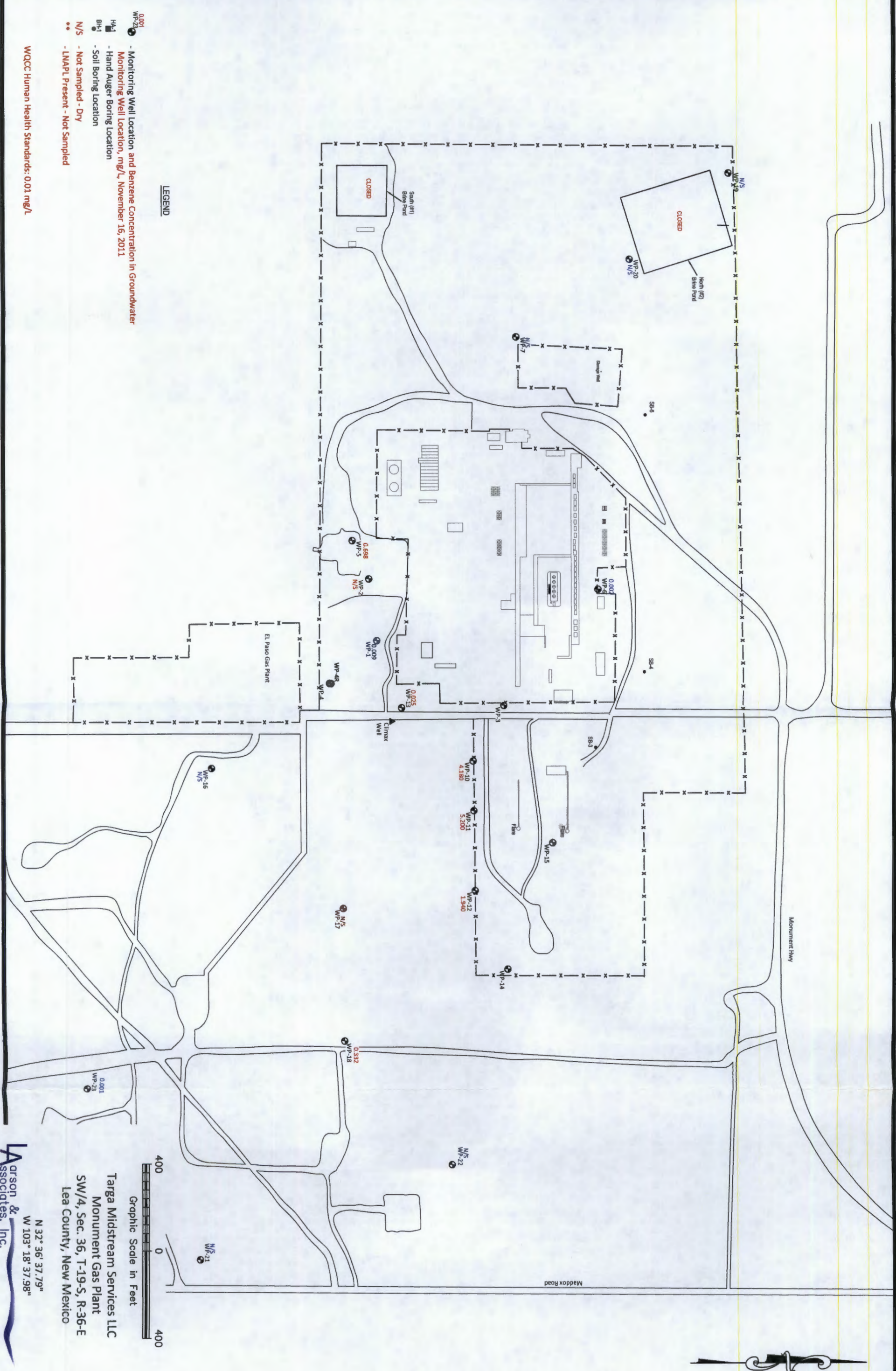


Figure 5b - Benzene Concentration in Groundwater, November 16, 2011

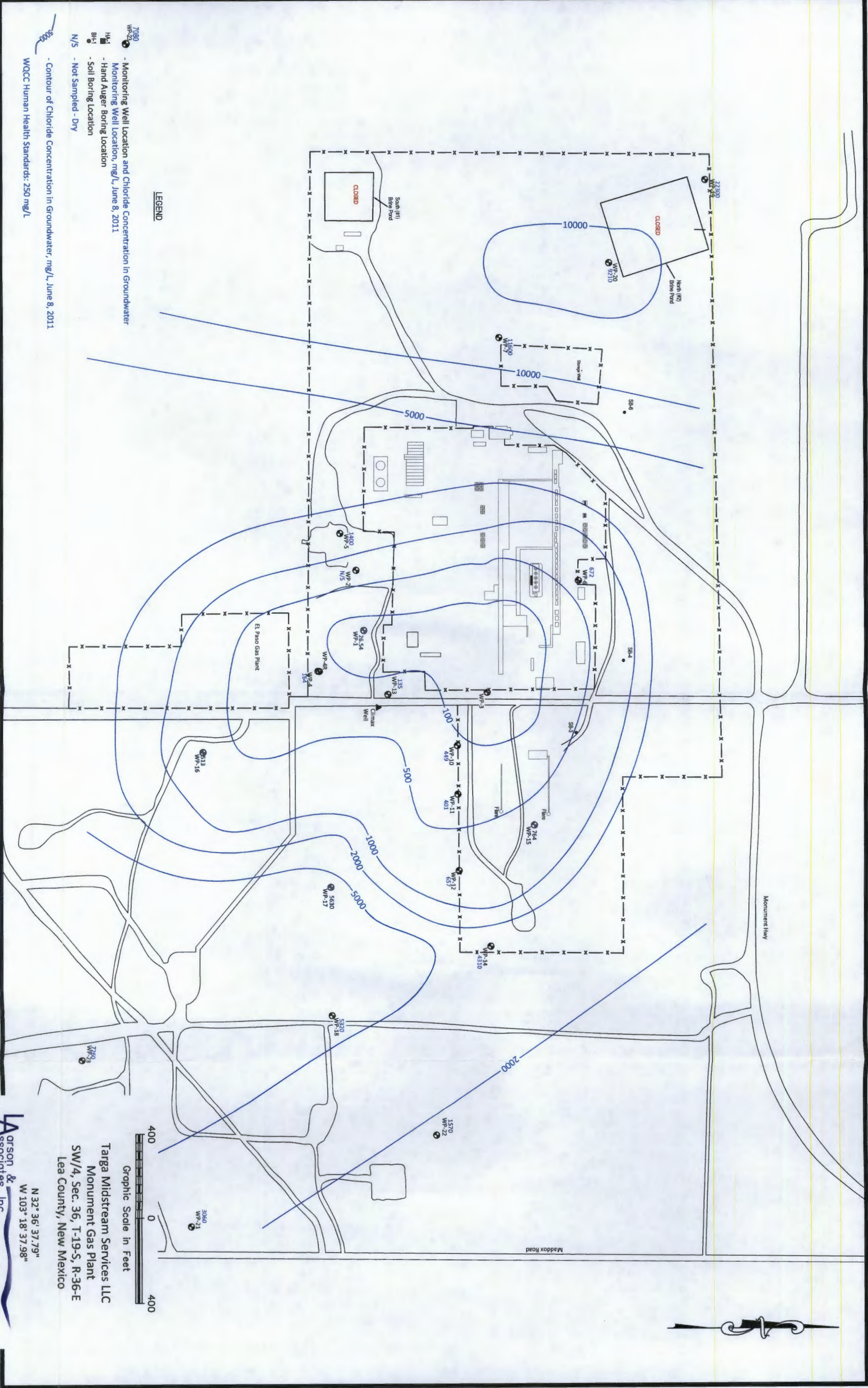


Figure 6a - Chloride Concentration in Groundwater June 8, 2011

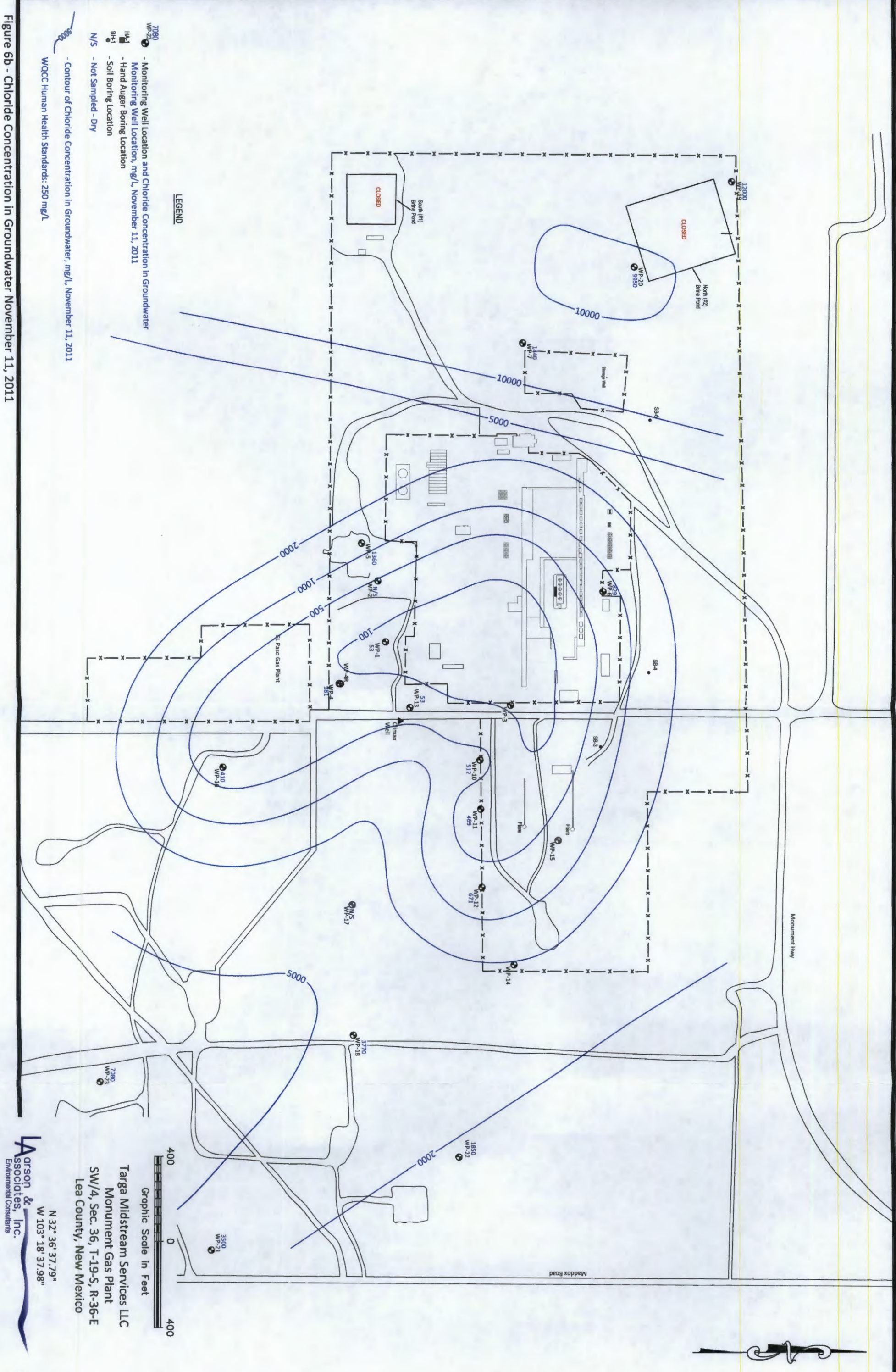


Figure 6b - Chloride Concentration in Groundwater November 11, 2011

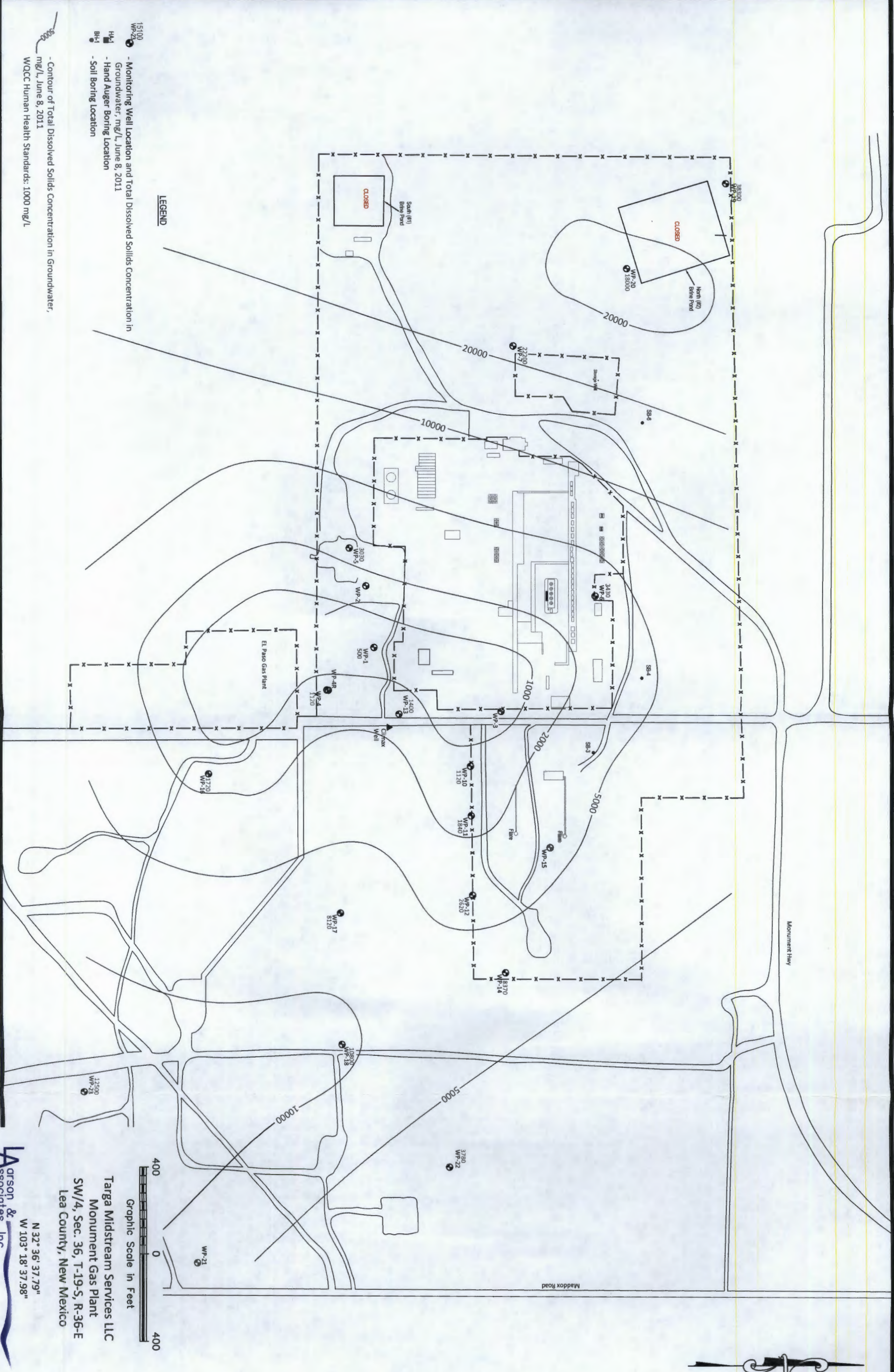


Figure 7a - Total Dissolved Solids Concentration in Groundwater June 8, 2011

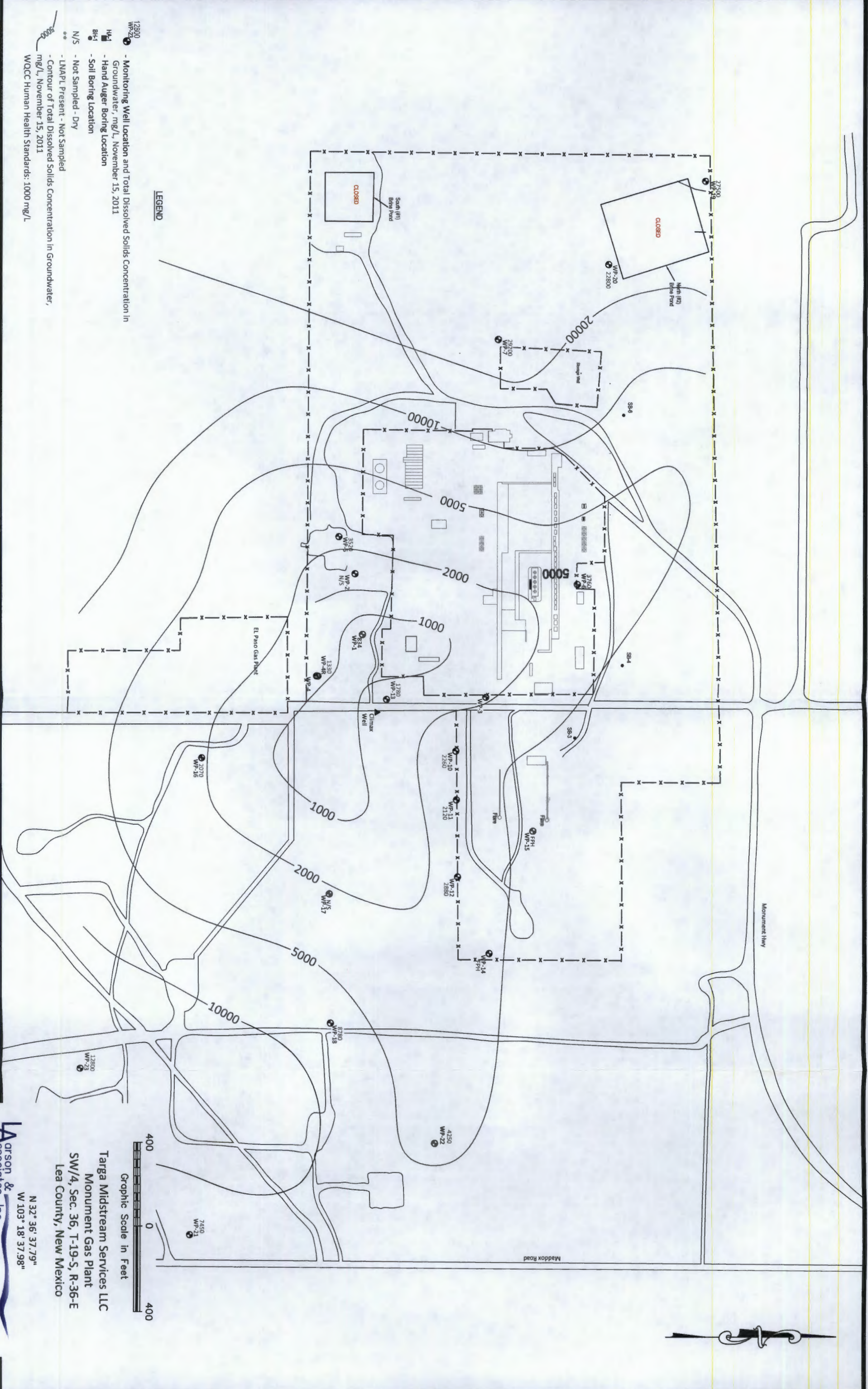


Figure 7b - Total Dissolved Solids Concentration in Groundwater November 15, 2011



December 01, 2011

Alexis Johnson
Larson & Associates
507 N. Marienfeld #200
Midland, TX 79701

Order No: 1111138

TEL: (432) 687-0901
FAX: (432) 687-0456

RE: Monument Gas Plant

Dear Alexis Johnson:

DHL Analytical received 19 sample(s) on 11/17/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number:
T104704211-11-7



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Sample Results	21
Analytical QC Summary Report.....	40

Larson &
ssociates, Inc.
Environmental Consultants

DATE: 11-16-11 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: 111138
PROJECT LOCATION OR NAME: _____
LAI PROJECT #: 2-0108 COLLECTOR: D. Abannis

Data Reported to: A. Johnson

[illegible]

Lone Star Overnight
800.800.9984
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DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
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LARSON AND ASSOCIATES
507 N MARIENFELD
SUITE 200
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

Our sCode: DHL
Date Printed: 11/16/2011
Billing Ref To: Z-9106



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To: SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK, TX 78664
(512) 388 - 8222

From: ALEXIS JOHNSON
LARSON AND ASSOCIATES
507 N MARIENFELD
SUITE 200
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

QuickCode: DHL
Date of Print: 11/15/2011
Billing Ref: 2-0108





WWW.LSO.COM
Questions? Call 800-800-9984
Airbill No. 46869277



46869277

1. To: First Name (Please Print) Company Name Address City State Zip		2. From: First Name (Please Print) Company Name Address City State Zip	
D.H. ANALYTICAL 2300 DOUBLE CREEK DRIVE ROUND ROCK, TEXAS 78664		LARSON ENVIRONMENTAL 507 MARTIN MARGHERA MIDLAND, TEXAS 79701	
3. Service: Full service includes the responsibility of services in your destination and delivery address by creating your shipping label code.			
☒ By 10:30 am Delivery Check availability at www.lso.com		☐ Saturday Delivery Extra charge, not available on all days	
☐ By 8:30 am Delivery Extra charge, not available on all days		☐ Other	
☐ By 5:00 pm Delivery Guaranteed (last day to meet other)		☐ Accrual (10:30 a.m. service unless otherwise noted)	
☐ Deliver Without Delivery Signature (See Limits of Liability below)			
Release Signature _____ DATE _____			

4. Packages: For Courier's Billing Reference Information
2-0108
3333
11/17/08
10
17
30

CUSTOMER SEAL

DATE

SIGNATURE

[Signature]

QEC

Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **11/17/2011**

Work Order Number **1111138**

Received by **JB**

Checklist completed by: *[Signature]* 11/17/11 Reviewed by: *[Signature]* 11-17-11
Signature Date Initials Date

Carrier name: **LoneStar**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	2.3 °C, 1.5
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW6020 - Metals Analysis
Method SW7470A - Mercury Analysis
Method SW8021B - Volatile Organics by GC Analysis
Method E300 - Anions Analysis
Method M2320 B (18th Edition) - Alkalinity Analysis
Method M2540C (18th Edition) - TDS Analysis

LOG IN

DHL samples 1111138-01 through 15 were received and log-in performed on 11/17/11 and samples 1111138-16 through 19 were received and log in performed on 11/18/11. A total of 19 samples were received. The time of collection was Mountain Standard Time. The samples arrived in good condition and were properly packaged.

METALS ANALYSIS

For Metals analysis performed on 11/23/11 and 11/29/11 the matrix spike and matrix spike duplicate recoveries were out of control limits for some analytes. These are flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for these analytes. No further corrective actions were taken.

For Metals analysis performed on 11/23/11 and 11/29/11 the RPD for the serial dilution was above control limits for a few analytes. These are flagged accordingly. The PDS was within control limits for these analytes. No further corrective actions were taken.

VOLATILE ORGANICS BY GC ANALYSIS

For Volatile Organics by GC analysis some samples were diluted prior to analysis due to the nature of the samples (concentration of target compounds).

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
1111138-01	WP-16		11/16/11 10:15 AM	11/17/11
1111138-02	WP-23		11/16/11 10:30 AM	11/17/11
1111138-03	WP-21		11/16/11 10:50 AM	11/17/11
1111138-04	WP-22		11/16/11 11:05 AM	11/17/11
1111138-05	WP-18		11/16/11 11:20 AM	11/17/11
1111138-06	WP-5		11/16/11 11:40 AM	11/17/11
1111138-07	WP-6		11/16/11 12:00 PM	11/17/11
1111138-08	WP-20		11/16/11 01:30 PM	11/17/11
1111138-09	WP-19		11/16/11 01:50 PM	11/17/11
1111138-10	WP-7		11/16/11 02:20 PM	11/17/11
1111138-11	WP-10		11/16/11 02:00 PM	11/17/11
1111138-12	WP-11		11/16/11 01:30 PM	11/17/11
1111138-13	WP-12		11/16/11 02:45 PM	11/17/11
1111138-14	DUP-01		11/16/11	11/17/11
1111138-15	Trip Blank		11/16/11	11/17/11
1111138-16	WP-4R		11/17/11 10:30 AM	11/18/11
1111138-17	WP-1		11/17/11 11:15 AM	11/18/11
1111138-18	WP-13		11/17/11 12:00 PM	11/18/11
1111138-19	Trip Blank		11/17/11	11/18/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Lab Order: 1111138

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1111138-01A	WP-16	11/16/11 10:15 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-01B	WP-16	11/16/11 10:15 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-16	11/16/11 10:15 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-16	11/16/11 10:15 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-01D	WP-16	11/16/11 10:15 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-16	11/16/11 10:15 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-16	11/16/11 10:15 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-02A	WP-23	11/16/11 10:30 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/18/11 02:47 PM	49267
1111138-02B	WP-23	11/16/11 10:30 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-23	11/16/11 10:30 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-23	11/16/11 10:30 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-02D	WP-23	11/16/11 10:30 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-23	11/16/11 10:30 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-23	11/16/11 10:30 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-23	11/16/11 10:30 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-03A	WP-21	11/16/11 10:50 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-03B	WP-21	11/16/11 10:50 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-21	11/16/11 10:50 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-21	11/16/11 10:50 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-03D	WP-21	11/16/11 10:50 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-21	11/16/11 10:50 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-21	11/16/11 10:50 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-04A	WP-22	11/16/11 11:05 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-04B	WP-22	11/16/11 11:05 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-22	11/16/11 11:05 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-22	11/16/11 11:05 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-04D	WP-22	11/16/11 11:05 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-22	11/16/11 11:05 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-22	11/16/11 11:05 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266

PREP DATES REPORT

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1111138-05A	WP-18	11/16/11 11:20 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
	WP-18	11/16/11 11:20 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-05B	WP-18	11/16/11 11:20 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-18	11/16/11 11:20 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-18	11/16/11 11:20 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-18	11/16/11 11:20 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-05D	WP-18	11/16/11 11:20 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-18	11/16/11 11:20 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-18	11/16/11 11:20 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-18	11/16/11 11:20 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-06A	WP-5	11/16/11 11:40 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
	WP-5	11/16/11 11:40 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-06B	WP-5	11/16/11 11:40 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-5	11/16/11 11:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-5	11/16/11 11:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-06D	WP-5	11/16/11 11:40 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-5	11/16/11 11:40 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-5	11/16/11 11:40 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-5	11/16/11 11:40 AM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-5	11/16/11 11:40 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-07A	WP-6	11/16/11 12:00 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-07B	WP-6	11/16/11 12:00 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-6	11/16/11 12:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-6	11/16/11 12:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-07D	WP-6	11/16/11 12:00 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-6	11/16/11 12:00 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-6	11/16/11 12:00 PM	Aqueous	M2320 B	Alkalinity Preparation	11/18/11 12:00 PM	49268
	WP-6	11/16/11 12:00 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-08A	WP-20	11/16/11 01:30 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1111138-08B	WP-20	11/16/11 01:30 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-20	11/16/11 01:30 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-20	11/16/11 01:30 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-08D	WP-20	11/16/11 01:30 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-20	11/16/11 01:30 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-20	11/16/11 01:30 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
1111138-09A	WP-20	11/16/11 01:30 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
	WP-19	11/16/11 01:50 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
	WP-19	11/16/11 01:50 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
1111138-09B	WP-19	11/16/11 01:50 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-19	11/16/11 01:50 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-19	11/16/11 01:50 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
1111138-09D	WP-19	11/16/11 01:50 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-19	11/16/11 01:50 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
	WP-7	11/16/11 02:20 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-10A	WP-7	11/16/11 02:20 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-7	11/16/11 02:20 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-7	11/16/11 02:20 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-10D	WP-7	11/16/11 02:20 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-7	11/16/11 02:20 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-7	11/16/11 02:20 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-11A	WP-10	11/16/11 02:00 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
	WP-10	11/16/11 02:00 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-10	11/16/11 02:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-11D	WP-10	11/16/11 02:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-10	11/16/11 02:00 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-10	11/16/11 02:00 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
1111138-11B	WP-10	11/16/11 02:00 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-10	11/16/11 02:00 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
	WP-10	11/16/11 02:00 PM	Aqueous				

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Date: 12/01/11

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1111138-12A	WP-11	11/16/11 01:30 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-12B	WP-11	11/16/11 01:30 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-11	11/16/11 01:30 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-11	11/16/11 01:30 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-12D	WP-11	11/16/11 01:30 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-11	11/16/11 01:30 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-11	11/16/11 01:30 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-11	11/16/11 01:30 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-13A	WP-12	11/16/11 02:45 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-13B	WP-12	11/16/11 02:45 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-12	11/16/11 02:45 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-12	11/16/11 02:45 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-13D	WP-12	11/16/11 02:45 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-12	11/16/11 02:45 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-12	11/16/11 02:45 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-12	11/16/11 02:45 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-14A	DUP-01	11/16/11	Aqueous	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-14B	DUP-01	11/16/11	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	DUP-01	11/16/11	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	DUP-01	11/16/11	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-14D	DUP-01	11/16/11	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	DUP-01	11/16/11	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	DUP-01	11/16/11	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	DUP-01	11/16/11	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-15A	Trip Blank	11/16/11	Trip Blank	SW5030C	Purge and Trap Water GC	11/17/11 09:59 AM	49232
1111138-16A	WP-4R	11/17/11 10:30 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/18/11 02:47 PM	49267
1111138-16B	WP-4R	11/17/11 10:30 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-4R	11/17/11 10:30 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-4R	11/17/11 10:30 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225

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Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
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PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1111138-16D	WP-4R	11/17/11 10:30 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-4R	11/17/11 10:30 AM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-4R	11/17/11 10:30 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-17A	WP-1	11/17/11 11:15 AM	Aqueous	SW5030C	Purge and Trap Water GC	11/18/11 02:47 PM	49267
1111138-17B	WP-1	11/17/11 11:15 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-1	11/17/11 11:15 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-1	11/17/11 11:15 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-17D	WP-1	11/17/11 11:15 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-1	11/17/11 11:15 AM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-1	11/17/11 11:15 AM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-1	11/17/11 11:15 AM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-18A	WP-13	11/17/11 12:00 PM	Aqueous	SW5030C	Purge and Trap Water GC	11/18/11 02:47 PM	49267
1111138-18B	WP-13	11/17/11 12:00 PM	Aqueous	SW7470A	Mercury Aq Prep, Total	11/23/11 09:23 AM	49226
	WP-13	11/17/11 12:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
	WP-13	11/17/11 12:00 PM	Aqueous	SW3005A	Aq Prep Metals: Dissolved	11/23/11 09:21 AM	49225
1111138-18D	WP-13	11/17/11 12:00 PM	Aqueous	E300	Anion Preparation	11/22/11 09:00 AM	49315
	WP-13	11/17/11 12:00 PM	Aqueous	M2320 B	Alkalinity Preparation	11/23/11 08:45 AM	49336
	WP-13	11/17/11 12:00 PM	Aqueous	M2540C	TDS Preparation	11/18/11 04:45 PM	49266
1111138-19A	Trip Blank	11/17/11	Trip Blank	SW5030C	Purge and Trap Water GC	11/18/11 02:47 PM	49267

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Date: 12/01/11

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1111138-01A	WP-16	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 12:07 PM	GC8_111117A
1111138-01B	WP-16	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	100	11/29/11 12:55 PM	ICP-MS2_111129A
	WP-16	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:27 PM	ICP-MS3_111123B
	WP-16	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:40 PM	CETAC_HG_111128A
1111138-01D	WP-16	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 01:29 PM	TTTRATOR_111118A
	WP-16	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 10:41 AM	IC_111122A
	WP-16	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-02A	WP-23	Aqueous	SW8021B	Volatile Organics by GC	49267	1	11/18/11 08:28 PM	GC8_111118A
1111138-02B	WP-23	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	200	11/29/11 02:42 PM	ICP-MS2_111129A
	WP-23	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:33 PM	ICP-MS3_111123B
	WP-23	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:42 PM	CETAC_HG_111128A
1111138-02D	WP-23	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 01:54 PM	TTTRATOR_111118A
	WP-23	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 10:52 AM	IC_111122A
	WP-23	Aqueous	E300	Anions by IC method - Water	49315	1000	11/22/11 11:04 AM	IC_111122A
	WP-23	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-03A	WP-21	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 12:49 PM	GC8_111117A
1111138-03B	WP-21	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	100	11/29/11 01:01 PM	ICP-MS2_111129A
	WP-21	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:39 PM	ICP-MS3_111123B
	WP-21	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:44 PM	CETAC_HG_111128A
1111138-03D	WP-21	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 02:04 PM	TTTRATOR_111118A
	WP-21	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 11:31 AM	IC_111122A
	WP-21	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-04A	WP-22	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 01:10 PM	GC8_111117A
1111138-04B	WP-22	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:07 PM	ICP-MS2_111129A
	WP-22	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:44 PM	ICP-MS3_111123B
	WP-22	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:46 PM	CETAC_HG_111128A
1111138-04D	WP-22	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 02:12 PM	TTTRATOR_111118A
	WP-22	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 11:42 AM	IC_111122A
	WP-22	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B

CLIENT: Larson & Associates
Project: Monument Gas Plant
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ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1111138-05A	WP-18	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 01:31 PM	GC8_111117A
	WP-18	Aqueous	SW8021B	Volatile Organics by GC	49232	2	11/17/11 07:12 PM	GC8_111117A
1111138-05B	WP-18	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	100	11/29/11 01:13 PM	ICP-MS2_111129A
	WP-18	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	200	11/29/11 03:19 PM	ICP-MS2_111129A
	WP-18	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:50 PM	ICP-MS3_111123B
	WP-18	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:53 PM	CETAC_HG_111128A
1111138-05D	WP-18	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 02:33 PM	TITRATOR_111118A
	WP-18	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 11:54 AM	IC_111122A
1111138-06A	WP-18	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 02:00 PM	IC_111122A
	WP-18	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-06B	WP-5	Aqueous	SW8021B	Volatile Organics by GC	49232	2	11/17/11 01:52 PM	GC8_111117A
	WP-5	Aqueous	SW8021B	Volatile Organics by GC	49232	5	11/17/11 07:33 PM	GC8_111117A
1111138-06D	WP-5	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:19 PM	ICP-MS2_111129A
	WP-5	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:56 PM	ICP-MS3_111123B
	WP-5	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:55 PM	CETAC_HG_111128A
	WP-5	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 02:55 PM	TITRATOR_111118A
1111138-07A	WP-5	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 12:05 PM	IC_111122A
	WP-5	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 02:11 PM	IC_111122A
	WP-5	Aqueous	E300	Anions by IC method - Water	49315	1	11/22/11 05:11 PM	IC_111122A
	WP-5	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-07B	WP-6	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 02:13 PM	GC8_111117A
	WP-6	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:25 PM	ICP-MS2_111129A
1111138-07D	WP-6	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:57 PM	CETAC_HG_111128A
	WP-6	Aqueous	M2320 B	Alkalinity	49268	1	11/18/11 03:07 PM	TITRATOR_111118A
1111138-08A	WP-6	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 12:17 PM	IC_111122A
	WP-6	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 12:29 PM	IC_111122A
	WP-6	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
	WP-20	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 02:35 PM	GC8_111117A

CLIENT: Larson & Associates
Project: Monument Gas Plant
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ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1111138-08B	WP-20	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	500	11/29/11 02:49 PM	ICP-MS2_111129A
	WP-20	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 06:07 PM	ICP-MS3_111123B
	WP-20	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:59 PM	CETAC_HG_111128A
1111138-08D	WP-20	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 09:49 AM	TITRATOR_111123B
	WP-20	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 12:40 PM	IC_111122A
	WP-20	Aqueous	E300	Anions by IC method - Water	49315	1000	11/22/11 12:52 PM	IC_111122A
	WP-20	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-09A	WP-19	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 02:56 PM	GC8_111117A
1111138-09B	WP-19	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	500	11/29/11 12:43 PM	ICP-MS2_111129A
	WP-19	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 05:11 PM	ICP-MS3_111123B
	WP-19	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 12:22 PM	CETAC_HG_111128A
1111138-09D	WP-19	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 09:53 AM	TITRATOR_111123B
	WP-19	Aqueous	E300	Anions by IC method - Water	49315	500	11/22/11 01:03 PM	IC_111122A
	WP-19	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-10A	WP-7	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 04:21 PM	GC8_111117A
1111138-10B	WP-7	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	500	11/29/11 02:55 PM	ICP-MS2_111129A
	WP-7	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:09 PM	ICP-MS3_111123B
	WP-7	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:01 PM	CETAC_HG_111128A
1111138-10D	WP-7	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:10 AM	TITRATOR_111123B
	WP-7	Aqueous	E300	Anions by IC method - Water	49315	1000	11/22/11 02:23 PM	IC_111122A
	WP-7	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-11A	WP-10	Aqueous	SW8021B	Volatile Organics by GC	49232	50	11/17/11 04:43 PM	GC8_111117A
1111138-11B	WP-10	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:31 PM	ICP-MS2_111129A
	WP-10	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:14 PM	ICP-MS3_111123B
	WP-10	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:03 PM	CETAC_HG_111128A
1111138-11D	WP-10	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:14 AM	TITRATOR_111123B
	WP-10	Aqueous	E300	Anions by IC method - Water	49315	1	11/22/11 02:35 PM	IC_111122A
	WP-10	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 02:46 PM	IC_111122A
	WP-10	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1111138-12A	WP-11	Aqueous	SW8021B	Volatile Organics by GC	49232	50	11/17/11 05:04 PM	GC8_111117A
1111138-12B	WP-11	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:37 PM	ICP-MS2_111129A
	WP-11	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:20 PM	ICP-MS3_111123B
	WP-11	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:05 PM	CETAC_HG_111128A
1111138-12D	WP-11	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:17 AM	TITRATOR_111123B
	WP-11	Aqueous	E300	Anions by IC method - Water	49315	1	11/22/11 03:00 PM	IC_111122A
	WP-11	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 03:12 PM	IC_111122A
	WP-11	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-13A	WP-12	Aqueous	SW8021B	Volatile Organics by GC	49232	10	11/17/11 05:25 PM	GC8_111117A
1111138-13B	WP-12	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 01:43 PM	ICP-MS2_111129A
	WP-12	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:26 PM	ICP-MS3_111123B
	WP-12	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:07 PM	CETAC_HG_111128A
1111138-13D	WP-12	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:21 AM	TITRATOR_111123B
	WP-12	Aqueous	E300	Anions by IC method - Water	49315	1	11/22/11 03:23 PM	IC_111122A
	WP-12	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 03:35 PM	IC_111122A
	WP-12	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-14A	DUP-01	Aqueous	SW8021B	Volatile Organics by GC	49232	1	11/17/11 05:47 PM	GC8_111117A
1111138-14B	DUP-01	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	500	11/29/11 03:01 PM	ICP-MS2_111129A
	DUP-01	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:31 PM	ICP-MS3_111123B
	DUP-01	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:09 PM	CETAC_HG_111128A
1111138-14D	DUP-01	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:34 AM	TITRATOR_111123B
	DUP-01	Aqueous	E300	Anions by IC method - Water	49315	100	11/22/11 04:13 PM	IC_111122A
	DUP-01	Aqueous	E300	Anions by IC method - Water	49315	1000	11/22/11 05:22 PM	IC_111122A
	DUP-01	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-15A	Trip Blank	Trip Blank	SW8021B	Volatile Organics by GC	49232	1	11/17/11 11:47 AM	GC8_111117A
1111138-16A	WP-4R	Aqueous	SW8021B	Volatile Organics by GC	49267	1	11/18/11 08:49 PM	GC8_111118A
1111138-16B	WP-4R	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 02:36 PM	ICP-MS2_111129A
	WP-4R	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:37 PM	ICP-MS3_111123B
	WP-4R	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:11 PM	CETAC_HG_111128A

CLIENT: Larson & Associates
Project: Monument Gas Plant
Lab Order: 1111138

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1111138-16D	WP-4R	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:38 AM	TITRATOR_111123B
	WP-4R	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 04:24 PM	IC_111122A
	WP-4R	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
1111138-17A	WP-1	Aqueous	SW8021B	Volatile Organics by GC	49267	1	11/18/11 09:09 PM	GC8_111118A
1111138-17B	WP-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	10	11/29/11 03:07 PM	ICP-MS2_111129A
	WP-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:42 PM	ICP-MS3_111123B
	WP-1	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:17 PM	CETAC_HG_111128A
1111138-17D	WP-1	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:43 AM	TITRATOR_111123B
	WP-1	Aqueous	E300	Anions by IC method - Water	49315	1	11/22/11 04:36 PM	IC_111122A
	WP-1	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 04:48 PM	IC_111122A
1111138-18A	WP-1	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
	WP-13	Aqueous	SW8021B	Volatile Organics by GC	49267	1	11/18/11 09:30 PM	ICP-MS2_111129A
	WP-13	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	50	11/29/11 03:13 PM	GC8_111118A
1111138-18B	WP-13	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	49225	1	11/23/11 07:48 PM	ICP-MS3_111123B
	WP-13	Aqueous	SW7470A	Mercury Filtered (0.45µ)	49226	1	11/28/11 01:19 PM	CETAC_HG_111128A
	WP-13	Aqueous	M2320 B	Alkalinity	49336	1	11/23/11 10:48 AM	TITRATOR_111123B
1111138-18D	WP-13	Aqueous	E300	Anions by IC method - Water	49315	10	11/22/11 04:59 PM	IC_111122A
	WP-13	Aqueous	M2540C	Total Dissolved Solids	49266	1	11/21/11 08:49 AM	WC_111118B
	Trip Blank	Trip Blank	SW8021B	Volatile Organics by GC	49267	1	11/18/11 07:03 PM	GC8_111118A

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-16
 Lab ID: 1111138-01
 Collection Date: 11/16/11 10:15 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 12:07 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 12:07 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 12:07 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 12:07 PM
Surr: a,a,a-Trifluorotoluene	98.2	0	87 - 113		%REC	1	11/17/11 12:07 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:40 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.00486	0.00200	0.00600	J	mg/L	1	11/23/11 05:27 PM
Barium	0.0845	0.00300	0.0100		mg/L	1	11/23/11 05:27 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 05:27 PM
Calcium	10.1	0.100	0.300		mg/L	1	11/23/11 05:27 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:27 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:27 PM
Magnesium	8.52	0.100	0.300		mg/L	1	11/23/11 05:27 PM
Potassium	3.11	0.100	0.300		mg/L	1	11/23/11 05:27 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:27 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:27 PM
Sodium	778	10.0	30.0		mg/L	100	11/29/11 12:55 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	410	3.00	10.0		mg/L	10	11/22/11 10:41 AM
Sulfate	82.1	10.0	30.0		mg/L	10	11/22/11 10:41 AM
Alkalinity		M2320 B					Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	1160	10.0	20.0		mg/L	1	11/18/11 01:29 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 01:29 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 01:29 PM
Alkalinity, Total (As CaCO ₃)	1160	10.0	20.0		mg/L	1	11/18/11 01:29 PM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	2070	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-23
 Lab ID: 1111138-02
 Collection Date: 11/16/11 10:30 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC	SW8021B						Analyst: DEW
Benzene	0.00113	0.000800	0.00200	J	mg/L	1	11/18/11 08:28 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/18/11 08:28 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/18/11 08:28 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/18/11 08:28 PM
Surr: a,a,a-Trifluorotoluene	96.7	0	87 - 113		%REC	1	11/18/11 08:28 PM
Mercury Filtered (0.45µ)	SW7470A						Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:42 PM
Dissolved Metals-ICPMS (0.45µ)	SW6020						Analyst: AJR
Arsenic	0.00570	0.00200	0.00600	J	mg/L	1	11/23/11 05:33 PM
Barium	0.108	0.00300	0.0100		mg/L	1	11/23/11 05:33 PM
Cadmium	0.000312	0.000300	0.00100	J	mg/L	1	11/23/11 05:33 PM
Calcium	139	20.0	60.0		mg/L	200	11/29/11 02:42 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:33 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:33 PM
Magnesium	197	20.0	60.0		mg/L	200	11/29/11 02:42 PM
Potassium	12.0	0.100	0.300		mg/L	1	11/23/11 05:33 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:33 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:33 PM
Sodium	4400	20.0	60.0		mg/L	200	11/29/11 02:42 PM
Anions by IC method - Water	E300						Analyst: JBC
Chloride	7080	300	1000		mg/L	1000	11/22/11 11:04 AM
Sulfate	1180	100	300		mg/L	100	11/22/11 10:52 AM
Alkalinity	M2320 B						Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	1290	10.0	20.0		mg/L	1	11/18/11 01:54 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 01:54 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 01:54 PM
Alkalinity, Total (As CaCO ₃)	1290	10.0	20.0		mg/L	1	11/18/11 01:54 PM
Total Dissolved Solids	M2540C						Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	12800	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-21
 Lab ID: 1111138-03
 Collection Date: 11/16/11 10:50 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 12:49 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 12:49 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 12:49 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 12:49 PM
Surr: a,a,a-Trifluorotoluene	96.9	0	87 - 113		%REC	1	11/17/11 12:49 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	0.0000988	0.0000800	0.000200	J	mg/L	1	11/28/11 12:44 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.0237	0.00200	0.00600		mg/L	1	11/23/11 05:39 PM
Barium	0.0210	0.00300	0.0100		mg/L	1	11/23/11 05:39 PM
Cadmium	0.00724	0.000300	0.00100		mg/L	1	11/23/11 05:39 PM
Calcium	212	10.0	30.0		mg/L	100	11/29/11 01:01 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:39 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:39 PM
Magnesium	90.1	10.0	30.0		mg/L	100	11/29/11 01:01 PM
Potassium	24.4	0.100	0.300		mg/L	1	11/23/11 05:39 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:39 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:39 PM
Sodium	2320	10.0	30.0		mg/L	100	11/29/11 01:01 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	3500	30.0	100		mg/L	100	11/22/11 11:31 AM
Sulfate	1150	100	300		mg/L	100	11/22/11 11:31 AM
Alkalinity		M2320 B					Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	496	10.0	20.0		mg/L	1	11/18/11 02:04 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:04 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:04 PM
Alkalinity, Total (As CaCO ₃)	496	10.0	20.0		mg/L	1	11/18/11 02:04 PM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	7450	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-22
 Lab ID: 1111138-04
 Collection Date: 11/16/11 11:05 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 01:10 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 01:10 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 01:10 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 01:10 PM
Surr: a,a,a-Trifluorotoluene	98.4	0	87 - 113		%REC	1	11/17/11 01:10 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:46 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	ND	0.00200	0.00600		mg/L	1	11/23/11 05:44 PM
Barium	0.0392	0.00300	0.0100		mg/L	1	11/23/11 05:44 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 05:44 PM
Calcium	214	5.00	15.0		mg/L	50	11/29/11 01:07 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:44 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:44 PM
Magnesium	65.3	5.00	15.0		mg/L	50	11/29/11 01:07 PM
Potassium	13.6	0.100	0.300		mg/L	1	11/23/11 05:44 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:44 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:44 PM
Sodium	1110	5.00	15.0		mg/L	50	11/29/11 01:07 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	1850	30.0	100		mg/L	100	11/22/11 11:42 AM
Sulfate	699	100	300		mg/L	100	11/22/11 11:42 AM
Alkalinity		M2320 B					Analyst: SW
Alkalinity, Bicarbonate (As CaCO3)	382	10.0	20.0		mg/L	1	11/18/11 02:12 PM
Alkalinity, Carbonate (As CaCO3)	ND	10.0	20.0		mg/L	1	11/18/11 02:12 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10.0	20.0		mg/L	1	11/18/11 02:12 PM
Alkalinity, Total (As CaCO3)	382	10.0	20.0		mg/L	1	11/18/11 02:12 PM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	4250	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-18
 Lab ID: 1111138-05
 Collection Date: 11/16/11 11:20 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	0.332	0.00160	0.00400		mg/L	2	11/17/11 07:12 PM
Ethylbenzene	0.235	0.00400	0.0120		mg/L	2	11/17/11 07:12 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 01:31 PM
Xylenes, Total	0.0452	0.00300	0.00900		mg/L	1	11/17/11 01:31 PM
Surr: a,a,a-Trifluorotoluene	96.6	0	87 - 113		%REC	2	11/17/11 07:12 PM
Surr: a,a,a-Trifluorotoluene	94.4	0	87 - 113		%REC	1	11/17/11 01:31 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:53 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.00362	0.00200	0.00600	J	mg/L	1	11/23/11 05:50 PM
Barium	2.37	0.300	1.00		mg/L	100	11/29/11 01:13 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 05:50 PM
Calcium	22.2	0.100	0.300		mg/L	1	11/23/11 05:50 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:50 PM
Lead	0.000344	0.000300	0.00100	J	mg/L	1	11/23/11 05:50 PM
Magnesium	71.0	10.0	30.0		mg/L	100	11/29/11 01:13 PM
Potassium	4.39	0.100	0.300		mg/L	1	11/23/11 05:50 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:50 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:50 PM
Sodium	2810	20.0	60.0		mg/L	200	11/29/11 03:19 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	3770	30.0	100		mg/L	100	11/22/11 11:54 AM
Sulfate	178	10.0	30.0		mg/L	10	11/22/11 02:00 PM
Alkalinity		M2320 B					Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	2470	10.0	20.0		mg/L	1	11/18/11 02:33 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:33 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:33 PM
Alkalinity, Total (As CaCO ₃)	2470	10.0	20.0		mg/L	1	11/18/11 02:33 PM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	8780	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- B Analyte detected in the associated Method Blank
- C Sample Result or QC discussed in the Case Narrative
- DF Dilution Factor
- E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-5
 Lab ID: 1111138-06
 Collection Date: 11/16/11 11:40 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	0.698	0.00400	0.0100		mg/L	5	11/17/11 07:33 PM
Ethylbenzene	ND	0.00400	0.0120		mg/L	2	11/17/11 01:52 PM
Toluene	ND	0.00400	0.0120		mg/L	2	11/17/11 01:52 PM
Xylenes, Total	ND	0.00600	0.0180		mg/L	2	11/17/11 01:52 PM
Surr: a,a,a-Trifluorotoluene	94.0	0	87 - 113		%REC	5	11/17/11 07:33 PM
Surr: a,a,a-Trifluorotoluene	94.9	0	87 - 113		%REC	2	11/17/11 01:52 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:55 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.00565	0.00200	0.00600	J	mg/L	1	11/23/11 05:56 PM
Barium	0.592	0.00300	0.0100		mg/L	1	11/23/11 05:56 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 05:56 PM
Calcium	53.2	5.00	15.0		mg/L	50	11/29/11 01:19 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:56 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:56 PM
Magnesium	43.3	5.00	15.0		mg/L	50	11/29/11 01:19 PM
Potassium	18.2	0.100	0.300		mg/L	1	11/23/11 05:56 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:56 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:56 PM
Sodium	1160	5.00	15.0		mg/L	50	11/29/11 01:19 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	1360	30.0	100		mg/L	100	11/22/11 02:11 PM
Sulfate	45.0	1.00	3.00		mg/L	1	11/22/11 05:11 PM
Alkalinity		M2320 B					Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	1250	10.0	20.0		mg/L	1	11/18/11 02:55 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:55 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 02:55 PM
Alkalinity, Total (As CaCO ₃)	1250	10.0	20.0		mg/L	1	11/18/11 02:55 PM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	3520	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-6
 Lab ID: 1111138-07
 Collection Date: 11/16/11 12:00 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC	SW8021B						Analyst: DEW
Benzene	0.00177	0.000800	0.00200	J	mg/L	1	11/17/11 02:13 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:13 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:13 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 02:13 PM
Surr: a,a,a-Trifluorotoluene	89.2	0	87 - 113		%REC	1	11/17/11 02:13 PM
Mercury Filtered (0.45µ)	SW7470A						Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:57 PM
Dissolved Metals-ICPMS (0.45µ)	SW6020						Analyst: AJR
Arsenic	0.00254	0.00200	0.00600	J	mg/L	1	11/23/11 06:01 PM
Barium	0.0358	0.00300	0.0100		mg/L	1	11/23/11 06:01 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 06:01 PM
Calcium	282	5.00	15.0		mg/L	50	11/29/11 01:25 PM
Chromium	0.00459	0.00200	0.00600	J	mg/L	1	11/23/11 06:01 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 06:01 PM
Magnesium	128	5.00	15.0		mg/L	50	11/29/11 01:25 PM
Potassium	11.7	0.100	0.300		mg/L	1	11/23/11 06:01 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 06:01 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 06:01 PM
Sodium	777	5.00	15.0		mg/L	50	11/29/11 01:25 PM
Anions by IC method - Water	E300						Analyst: JBC
Chloride	829	30.0	100		mg/L	100	11/22/11 12:29 PM
Sulfate	1270	10.0	30.0		mg/L	10	11/22/11 12:17 PM
Alkalinity	M2320 B						Analyst: SW
Alkalinity, Bicarbonate (As CaCO ₃)	628	10.0	20.0		mg/L	1	11/18/11 03:07 PM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 03:07 PM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/18/11 03:07 PM
Alkalinity, Total (As CaCO ₃)	628	10.0	20.0		mg/L	1	11/18/11 03:07 PM
Total Dissolved Solids	M2540C						Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	3760	50.0	50.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-20
 Lab ID: 1111138-08
 Collection Date: 11/16/11 01:30 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC	SW8021B						Analyst: DEW
Benzene	0.00117	0.000800	0.00200	J	mg/L	1	11/17/11 02:35 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:35 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:35 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 02:35 PM
Surr: a,a,a-Trifluorotoluene	98.6	0	87 - 113		%REC	1	11/17/11 02:35 PM
Mercury Filtered (0.45µ)	SW7470A						Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:59 PM
Dissolved Metals-ICPMS (0.45µ)	SW6020						Analyst: AJR
Arsenic	0.0127	0.00200	0.00600		mg/L	1	11/23/11 06:07 PM
Barium	0.0305	0.00300	0.0100		mg/L	1	11/23/11 06:07 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 06:07 PM
Calcium	660	50.0	150		mg/L	500	11/29/11 02:49 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 06:07 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 06:07 PM
Magnesium	240	50.0	150		mg/L	500	11/29/11 02:49 PM
Potassium	96.9	50.0	150	J	mg/L	500	11/29/11 02:49 PM
Selenium	0.00219	0.00200	0.00600	J	mg/L	1	11/23/11 06:07 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 06:07 PM
Sodium	7240	50.0	150		mg/L	500	11/29/11 02:49 PM
Anions by IC method - Water	E300						Analyst: JBC
Chloride	9950	300	1000		mg/L	1000	11/22/11 12:52 PM
Sulfate	4830	100	300		mg/L	100	11/22/11 12:40 PM
Alkalinity	M2320 B						Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	581	10.0	20.0		mg/L	1	11/23/11 09:49 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 09:49 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 09:49 AM
Alkalinity, Total (As CaCO ₃)	581	10.0	20.0		mg/L	1	11/23/11 09:49 AM
Total Dissolved Solids	M2540C						Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	22800	200	200		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-19
 Lab ID: 1111138-09
 Collection Date: 11/16/11 01:50 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 02:56 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:56 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 02:56 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 02:56 PM
Surr: a,a,a-Trifluorotoluene	97.9	0	87 - 113		%REC	1	11/17/11 02:56 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 12:22 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.0140	0.00200	0.00600		mg/L	1	11/23/11 05:11 PM
Barium	0.0273	0.00300	0.0100		mg/L	1	11/23/11 05:11 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 05:11 PM
Calcium	560	50.0	150		mg/L	500	11/29/11 12:43 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 05:11 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 05:11 PM
Magnesium	257	50.0	150		mg/L	500	11/29/11 12:43 PM
Potassium	104	50.0	150	J	mg/L	500	11/29/11 12:43 PM
Selenium	0.00882	0.00200	0.00600		mg/L	1	11/23/11 05:11 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 05:11 PM
Sodium	9510	50.0	150		mg/L	500	11/29/11 12:43 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	12000	150	500		mg/L	500	11/22/11 01:03 PM
Sulfate	6080	500	1500		mg/L	500	11/22/11 01:03 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	629	10.0	20.0		mg/L	1	11/23/11 09:53 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 09:53 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 09:53 AM
Alkalinity, Total (As CaCO ₃)	629	10.0	20.0		mg/L	1	11/23/11 09:53 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	27500	200	200		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-7
 Lab ID: 1111138-10
 Collection Date: 11/16/11 02:20 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC							
		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 04:21 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 04:21 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 04:21 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 04:21 PM
Surr: a,a,a-Trifluorotoluene	102	0	87 - 113		%REC	1	11/17/11 04:21 PM
Mercury Filtered (0.45µ)							
		SW7470A					Analyst: LM
Mercury	0.0000888	0.0000800	0.000200	J	mg/L	1	11/28/11 01:01 PM
Dissolved Metals-ICPMS (0.45µ)							
		SW6020					Analyst: AJR
Arsenic	0.0163	0.00200	0.00600		mg/L	1	11/23/11 07:09 PM
Barium	0.0280	0.00300	0.0100		mg/L	1	11/23/11 07:09 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:09 PM
Calcium	692	50.0	150		mg/L	500	11/29/11 02:55 PM
Chromium	0.0157	0.00200	0.00600		mg/L	1	11/23/11 07:09 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:09 PM
Magnesium	349	50.0	150		mg/L	500	11/29/11 02:55 PM
Potassium	110	50.0	150	J	mg/L	500	11/29/11 02:55 PM
Selenium	0.0101	0.00200	0.00600		mg/L	1	11/23/11 07:09 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:09 PM
Sodium	9160	50.0	150		mg/L	500	11/29/11 02:55 PM
Anions by IC method - Water							
		E300					Analyst: JBC
Chloride	14400	300	1000		mg/L	1000	11/22/11 02:23 PM
Sulfate	4900	1000	3000		mg/L	1000	11/22/11 02:23 PM
Alkalinity							
		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	452	10.0	20.0		mg/L	1	11/23/11 10:10 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:10 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:10 AM
Alkalinity, Total (As CaCO ₃)	452	10.0	20.0		mg/L	1	11/23/11 10:10 AM
Total Dissolved Solids							
		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	29200	200	200		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-10
 Lab ID: 1111138-11
 Collection Date: 11/16/11 02:00 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	4.17	0.0400	0.100		mg/L	50	11/17/11 04:43 PM
Ethylbenzene	0.261	0.100	0.300	J	mg/L	50	11/17/11 04:43 PM
Toluene	ND	0.100	0.300		mg/L	50	11/17/11 04:43 PM
Xylenes, Total	ND	0.150	0.450		mg/L	50	11/17/11 04:43 PM
Surr: a,a,a-Trifluorotoluene	102	0	87 - 113		%REC	50	11/17/11 04:43 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 01:03 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	ND	0.00200	0.00600		mg/L	1	11/23/11 07:14 PM
Barium	2.30	0.150	0.500		mg/L	50	11/29/11 01:31 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:14 PM
Calcium	91.4	5.00	15.0		mg/L	50	11/29/11 01:31 PM
Chromium	0.00826	0.00200	0.00600		mg/L	1	11/23/11 07:14 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:14 PM
Magnesium	71.2	5.00	15.0		mg/L	50	11/29/11 01:31 PM
Potassium	9.86	0.100	0.300		mg/L	1	11/23/11 07:14 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:14 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:14 PM
Sodium	634	5.00	15.0		mg/L	50	11/29/11 01:31 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	512	3.00	10.0		mg/L	10	11/22/11 02:46 PM
Sulfate	15.8	1.00	3.00		mg/L	1	11/22/11 02:35 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	1250	10.0	20.0		mg/L	1	11/23/11 10:14 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:14 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:14 AM
Alkalinity, Total (As CaCO ₃)	1250	10.0	20.0		mg/L	1	11/23/11 10:14 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	2260	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- B Analyte detected in the associated Method Blank
- C Sample Result or QC discussed in the Case Narrative
- DF Dilution Factor
- E TPH pattern not Gas or Diesel Range Pattern

- J Analyte detected between MDL and RL
- MDL Method Detection Limit
- N Parameter not NELAC certified
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-11
 Lab ID: 1111138-12
 Collection Date: 11/16/11 01:30 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	5.20	0.0400	0.100		mg/L	50	11/17/11 05:04 PM
Ethylbenzene	0.538	0.100	0.300		mg/L	50	11/17/11 05:04 PM
Toluene	ND	0.100	0.300		mg/L	50	11/17/11 05:04 PM
Xylenes, Total	ND	0.150	0.450		mg/L	50	11/17/11 05:04 PM
Surr: a,a,a-Trifluorotoluene	100	0	87 - 113		%REC	50	11/17/11 05:04 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 01:05 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	ND	0.00200	0.00600		mg/L	1	11/23/11 07:20 PM
Barium	2.40	0.150	0.500		mg/L	50	11/29/11 01:37 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:20 PM
Calcium	76.6	5.00	15.0		mg/L	50	11/29/11 01:37 PM
Chromium	0.0132	0.00200	0.00600		mg/L	1	11/23/11 07:20 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:20 PM
Magnesium	65.6	5.00	15.0		mg/L	50	11/29/11 01:37 PM
Potassium	10.6	0.100	0.300		mg/L	1	11/23/11 07:20 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:20 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:20 PM
Sodium	614	5.00	15.0		mg/L	50	11/29/11 01:37 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	469	3.00	10.0		mg/L	10	11/22/11 03:12 PM
Sulfate	15.3	1.00	3.00		mg/L	1	11/22/11 03:00 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	1180	10.0	20.0		mg/L	1	11/23/11 10:17 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:17 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:17 AM
Alkalinity, Total (As CaCO ₃)	1180	10.0	20.0		mg/L	1	11/23/11 10:17 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	2120	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-12
 Lab ID: 1111138-13
 Collection Date: 11/16/11 02:45 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	1.94	0.00800	0.0200		mg/L	10	11/17/11 05:25 PM
Ethylbenzene	0.352	0.0200	0.0600		mg/L	10	11/17/11 05:25 PM
Toluene	ND	0.0200	0.0600		mg/L	10	11/17/11 05:25 PM
Xylenes, Total	ND	0.0300	0.0900		mg/L	10	11/17/11 05:25 PM
Surr: a,a,a-Trifluorotoluene	101	0	87 - 113		%REC	10	11/17/11 05:25 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 01:07 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.0605	0.00200	0.00600		mg/L	1	11/23/11 07:26 PM
Barium	0.906	0.00300	0.0100		mg/L	1	11/23/11 07:26 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:26 PM
Calcium	29.0	5.00	15.0		mg/L	50	11/29/11 01:43 PM
Chromium	0.00728	0.00200	0.00600		mg/L	1	11/23/11 07:26 PM
Lead	0.000329	0.000300	0.00100	J	mg/L	1	11/23/11 07:26 PM
Magnesium	17.8	0.100	0.300		mg/L	1	11/23/11 07:26 PM
Potassium	2.92	0.100	0.300		mg/L	1	11/23/11 07:26 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:26 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:26 PM
Sodium	1020	5.00	15.0		mg/L	50	11/29/11 01:43 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	671	30.0	100		mg/L	100	11/22/11 03:35 PM
Sulfate	1.59	1.00	3.00	J	mg/L	1	11/22/11 03:23 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	1660	10.0	20.0		mg/L	1	11/23/11 10:21 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:21 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:21 AM
Alkalinity, Total (As CaCO ₃)	1660	10.0	20.0		mg/L	1	11/23/11 10:21 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	2880	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: DUP-01
 Lab ID: 1111138-14
 Collection Date: 11/16/11
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 05:47 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 05:47 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 05:47 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 05:47 PM
Surr: a,a,a-Trifluorotoluene	104	0	87 - 113		%REC	1	11/17/11 05:47 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 01:09 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.0145	0.00200	0.00600		mg/L	1	11/23/11 07:31 PM
Barium	0.0300	0.00300	0.0100		mg/L	1	11/23/11 07:31 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:31 PM
Calcium	808	50.0	150		mg/L	500	11/29/11 03:01 PM
Chromium	0.00655	0.00200	0.00600		mg/L	1	11/23/11 07:31 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:31 PM
Magnesium	381	50.0	150		mg/L	500	11/29/11 03:01 PM
Potassium	111	50.0	150	J	mg/L	500	11/29/11 03:01 PM
Selenium	0.00797	0.00200	0.00600		mg/L	1	11/23/11 07:31 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:31 PM
Sodium	9660	50.0	150		mg/L	500	11/29/11 03:01 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	15500	300	1000		mg/L	1000	11/22/11 05:22 PM
Sulfate	5270	100	300		mg/L	100	11/22/11 04:13 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	484	10.0	20.0		mg/L	1	11/23/11 10:34 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:34 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:34 AM
Alkalinity, Total (As CaCO ₃)	484	10.0	20.0		mg/L	1	11/23/11 10:34 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	32000	200	200		mg/L	1	11/21/11 08:49 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 B Analyte detected in the associated Method Blank
 C Sample Result or QC discussed in the Case Narrative
 DF Dilution Factor
 E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
 MDL Method Detection Limit
 N Parameter not NELAC certified
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
Project: Monument Gas Plant
Project No: 2-0108
Lab Order: 1111138

Client Sample ID: Trip Blank
Lab ID: 1111138-15
Collection Date: 11/16/11
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/17/11 11:47 AM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/17/11 11:47 AM
Toluene	ND	0.00200	0.00600		mg/L	1	11/17/11 11:47 AM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/17/11 11:47 AM
Surr: a,a,a-Trifluorotoluene	102	0	87 - 113		%REC	1	11/17/11 11:47 AM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
B Analyte detected in the associated Method Blank
C Sample Result or QC discussed in the Case Narrative
DF Dilution Factor
E TPH pattern not Gas or Diesel Range Pattern

J Analyte detected between MDL and RL
MDL Method Detection Limit
N Parameter not NELAC certified
ND Not Detected at the Method Detection Limit
RL Reporting Limit
S Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-4R
 Lab ID: 1111138-16
 Collection Date: 11/17/11 10:30 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/18/11 08:49 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/18/11 08:49 PM
Toluene	0.00352	0.00200	0.00600	J	mg/L	1	11/18/11 08:49 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/18/11 08:49 PM
Surr: a,a,a-Trifluorotoluene	92.3	0	87 - 113		%REC	1	11/18/11 08:49 PM
Mercury Filtered (0.45µ)		SW7470A					Analyst: LM
Mercury	ND	0.000800	0.00200		mg/L	1	11/28/11 01:11 PM
Dissolved Metals-ICPMS (0.45µ)		SW6020					Analyst: AJR
Arsenic	0.0263	0.00200	0.00600		mg/L	1	11/23/11 07:37 PM
Barium	0.168	0.00300	0.0100		mg/L	1	11/23/11 07:37 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:37 PM
Calcium	59.2	5.00	15.0		mg/L	50	11/29/11 02:36 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:37 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:37 PM
Magnesium	25.1	0.100	0.300		mg/L	1	11/23/11 07:37 PM
Potassium	3.39	0.100	0.300		mg/L	1	11/23/11 07:37 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:37 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:37 PM
Sodium	382	5.00	15.0		mg/L	50	11/29/11 02:36 PM
Anions by IC method - Water		E300					Analyst: JBC
Chloride	181	3.00	10.0		mg/L	10	11/22/11 04:24 PM
Sulfate	143	10.0	30.0		mg/L	10	11/22/11 04:24 PM
Alkalinity		M2320 B					Analyst: JBC
Alkalinity, Bicarbonate (As CaCO3)	722	10.0	20.0		mg/L	1	11/23/11 10:38 AM
Alkalinity, Carbonate (As CaCO3)	ND	10.0	20.0		mg/L	1	11/23/11 10:38 AM
Alkalinity, Hydroxide (As CaCO3)	ND	10.0	20.0		mg/L	1	11/23/11 10:38 AM
Alkalinity, Total (As CaCO3)	722	10.0	20.0		mg/L	1	11/23/11 10:38 AM
Total Dissolved Solids		M2540C					Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	1330	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-1
 Lab ID: 1111138-17
 Collection Date: 11/17/11 11:15 AM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC	SW8021B						Analyst: DEW
Benzene	0.00917	0.000800	0.00200		mg/L	1	11/18/11 09:09 PM
Ethylbenzene	0.0577	0.00200	0.00600		mg/L	1	11/18/11 09:09 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/18/11 09:09 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/18/11 09:09 PM
Surr: a,a,a-Trifluorotoluene	95.2	0	87 - 113		%REC	1	11/18/11 09:09 PM
Mercury Filtered (0.45µ)	SW7470A						Analyst: LM
Mercury	ND	0.0000800	0.000200		mg/L	1	11/28/11 01:17 PM
Dissolved Metals-ICPMS (0.45µ)	SW6020						Analyst: AJR
Arsenic	0.0254	0.00200	0.00600		mg/L	1	11/23/11 07:42 PM
Barium	1.34	0.00300	0.0100		mg/L	1	11/23/11 07:42 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:42 PM
Calcium	118	1.00	3.00		mg/L	10	11/29/11 03:07 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:42 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:42 PM
Magnesium	58.3	1.00	3.00		mg/L	10	11/29/11 03:07 PM
Potassium	4.16	0.100	0.300		mg/L	1	11/23/11 07:42 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:42 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:42 PM
Sodium	72.4	1.00	3.00		mg/L	10	11/29/11 03:07 PM
Anions by IC method - Water	E300						Analyst: JBC
Chloride	52.5	3.00	10.0		mg/L	10	11/22/11 04:48 PM
Sulfate	86.1	1.00	3.00		mg/L	1	11/22/11 04:36 PM
Alkalinity	M2320 B						Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	547	10.0	20.0		mg/L	1	11/23/11 10:43 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:43 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:43 AM
Alkalinity, Total (As CaCO ₃)	547	10.0	20.0		mg/L	1	11/23/11 10:43 AM
Total Dissolved Solids	M2540C						Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	834	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
 Project: Monument Gas Plant
 Project No: 2-0108
 Lab Order: 1111138

Client Sample ID: WP-13
 Lab ID: 1111138-18
 Collection Date: 11/17/11 12:00 PM
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC	SW8021B						Analyst: DEW
Benzene	0.0250	0.000800	0.00200		mg/L	1	11/18/11 09:30 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/18/11 09:30 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/18/11 09:30 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/18/11 09:30 PM
Surr: a,a,a-Trifluorotoluene	90.8	0	87 - 113		%REC	1	11/18/11 09:30 PM
Mercury Filtered (0.45µ)	SW7470A						Analyst: LM
Mercury	ND	0.000800	0.000200		mg/L	1	11/28/11 01:19 PM
Dissolved Metals-ICPMS (0.45µ)	SW6020						Analyst: AJR
Arsenic	ND	0.00200	0.00600		mg/L	1	11/23/11 07:48 PM
Barium	0.0996	0.00300	0.0100		mg/L	1	11/23/11 07:48 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	11/23/11 07:48 PM
Calcium	193	5.00	15.0		mg/L	50	11/29/11 03:13 PM
Chromium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:48 PM
Lead	ND	0.000300	0.00100		mg/L	1	11/23/11 07:48 PM
Magnesium	85.9	5.00	15.0		mg/L	50	11/29/11 03:13 PM
Potassium	5.63	0.100	0.300		mg/L	1	11/23/11 07:48 PM
Selenium	ND	0.00200	0.00600		mg/L	1	11/23/11 07:48 PM
Silver	ND	0.00100	0.00200		mg/L	1	11/23/11 07:48 PM
Sodium	257	5.00	15.0		mg/L	50	11/29/11 03:13 PM
Anions by IC method - Water	E300						Analyst: JBC
Chloride	210	3.00	10.0		mg/L	10	11/22/11 04:59 PM
Sulfate	377	10.0	30.0		mg/L	10	11/22/11 04:59 PM
Alkalinity	M2320 B						Analyst: JBC
Alkalinity, Bicarbonate (As CaCO ₃)	753	10.0	20.0		mg/L	1	11/23/11 10:48 AM
Alkalinity, Carbonate (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:48 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND	10.0	20.0		mg/L	1	11/23/11 10:48 AM
Alkalinity, Total (As CaCO ₃)	753	10.0	20.0		mg/L	1	11/23/11 10:48 AM
Total Dissolved Solids	M2540C						Analyst: JCG
Total Dissolved Solids (Residue, Filterable)	1780	10.0	10.0		mg/L	1	11/21/11 08:49 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

DHL Analytical

Date: 12/01/11

CLIENT: Larson & Associates
Project: Monument Gas Plant
Project No: 2-0108
Lab Order: 1111138

Client Sample ID: Trip Blank
Lab ID: 1111138-19
Collection Date: 11/17/11
Matrix: Trip Blank

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		SW8021B					Analyst: DEW
Benzene	ND	0.000800	0.00200		mg/L	1	11/18/11 07:03 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	11/18/11 07:03 PM
Toluene	ND	0.00200	0.00600		mg/L	1	11/18/11 07:03 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	11/18/11 07:03 PM
Surr: a,a,a-Trifluorotoluene	106	0	87 - 113		%REC	1	11/18/11 07:03 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: GC8_111117A

Sample ID:	LCS-49232	Batch ID:	49232	TestNo:	SW8021B	Units:	mg/L			
SampType:	LCS	Run ID:	GC8_111117A	Analysis Date:	11/17/11 11:05 AM	Prep Date:	11/17/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0519	0.00200	0.0500	0	104	81	125			
Toluene	0.0522	0.00600	0.0500	0	104	84	123			
Ethylbenzene	0.0507	0.00600	0.0500	0	101	83	119			
Xylenes, Total	0.151	0.00900	0.150	0	100	81	117			
Surr: a,a,a-Trifluorotoluene	205		200.0		102	87	113			

Sample ID:	MB-49232	Batch ID:	49232	TestNo:	SW8021B	Units:	mg/L			
SampType:	MBLK	Run ID:	GC8_111117A	Analysis Date:	11/17/11 11:26 AM	Prep Date:	11/17/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	ND	0.00200								
Toluene	ND	0.00600								
Ethylbenzene	ND	0.00600								
Xylenes, Total	ND	0.00900								
Surr: a,a,a-Trifluorotoluene	210		200.0		105	87	113			

Sample ID:	1111138-09AMS	Batch ID:	49232	TestNo:	SW8021B	Units:	mg/L			
SampType:	MS	Run ID:	GC8_111117A	Analysis Date:	11/17/11 03:39 PM	Prep Date:	11/17/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0523	0.00200	0.0500	0	105	81	125			
Toluene	0.0530	0.00600	0.0500	0	106	84	123			
Ethylbenzene	0.0515	0.00600	0.0500	0	103	83	119			
Xylenes, Total	0.153	0.00900	0.150	0	102	81	117			
Surr: a,a,a-Trifluorotoluene	199		200.0		99.7	87	113			

Sample ID:	1111138-09AMSD	Batch ID:	49232	TestNo:	SW8021B	Units:	mg/L			
SampType:	MSD	Run ID:	GC8_111117A	Analysis Date:	11/17/11 04:00 PM	Prep Date:	11/17/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0549	0.00200	0.0500	0	110	81	125	4.76	20	
Toluene	0.0542	0.00600	0.0500	0	108	84	123	2.28	20	
Ethylbenzene	0.0520	0.00600	0.0500	0	104	83	119	0.938	20	
Xylenes, Total	0.154	0.00900	0.150	0	102	81	117	0.499	20	
Surr: a,a,a-Trifluorotoluene	201		200.0		101	87	113	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: GC8_111117A

Sample ID:	ICV-111117	Batch ID:	R57884	TestNo:	SW8021B	Units:	mg/L			
SampType:	ICV	Run ID:	GC8_111117A	Analysis Date:	11/17/11 10:44 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.103	0.00200	0.100	0	103	80	120			
Toluene	0.106	0.00600	0.100	0	106	80	120			
Ethylbenzene	0.103	0.00600	0.100	0	103	80	120			
Xylenes, Total	0.305	0.00900	0.300	0	102	80	120			
Surr: a,a,a-Trifluorotoluene	208		200.0		104	87	113			

Sample ID:	CCV1-111117	Batch ID:	R57884	TestNo:	SW8021B	Units:	mg/L			
SampType:	CCV	Run ID:	GC8_111117A	Analysis Date:	11/17/11 03:18 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0533	0.00200	0.0500	0	107	80	120			
Toluene	0.0531	0.00600	0.0500	0	106	80	120			
Ethylbenzene	0.0508	0.00600	0.0500	0	102	80	120			
Xylenes, Total	0.149	0.00900	0.150	0	99.3	80	120			
Surr: a,a,a-Trifluorotoluene	198		200.0		99.1	87	113			

Sample ID:	CCV2-111117	Batch ID:	R57884	TestNo:	SW8021B	Units:	mg/L			
SampType:	CCV	Run ID:	GC8_111117A	Analysis Date:	11/17/11 08:14 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0491	0.00200	0.0500	0	98.2	80	120			
Toluene	0.0482	0.00600	0.0500	0	96.3	80	120			
Ethylbenzene	0.0472	0.00600	0.0500	0	94.4	80	120			
Xylenes, Total	0.140	0.00900	0.150	0	93.1	80	120			
Surr: a,a,a-Trifluorotoluene	196		200.0		98.2	87	113			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: GC8_111118A

Sample ID:	LCS-49267	Batch ID:	49267	TestNo:	SW8021B	Units:	mg/L			
SampType:	LCS	Run ID:	GC8_111118A	Analysis Date:	11/18/11 06:21 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0522	0.00200	0.0500	0	104	81	125			
Toluene	0.0539	0.00600	0.0500	0	108	84	123			
Ethylbenzene	0.0516	0.00600	0.0500	0	103	83	119			
Xylenes, Total	0.154	0.00900	0.150	0	103	81	117			
Surr: a,a,a-Trifluorotoluene	211		200.0		105	87	113			

Sample ID:	MB-49267	Batch ID:	49267	TestNo:	SW8021B	Units:	mg/L			
SampType:	MBLK	Run ID:	GC8_111118A	Analysis Date:	11/18/11 06:42 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	ND	0.00200								
Toluene	ND	0.00600								
Ethylbenzene	ND	0.00600								
Xylenes, Total	ND	0.00900								
Surr: a,a,a-Trifluorotoluene	214		200.0		107	87	113			

Sample ID:	1111156-01AMS	Batch ID:	49267	TestNo:	SW8021B	Units:	mg/L			
SampType:	MS	Run ID:	GC8_111118A	Analysis Date:	11/18/11 07:46 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0506	0.00200	0.0500	0	101	81	125			
Toluene	0.0507	0.00600	0.0500	0	101	84	123			
Ethylbenzene	0.0493	0.00600	0.0500	0	98.6	83	119			
Xylenes, Total	0.149	0.00900	0.150	0	99.2	81	117			
Surr: a,a,a-Trifluorotoluene	202		200.0		101	87	113			

Sample ID:	1111156-01AMSD	Batch ID:	49267	TestNo:	SW8021B	Units:	mg/L			
SampType:	MSD	Run ID:	GC8_111118A	Analysis Date:	11/18/11 08:07 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0538	0.00200	0.0500	0	108	81	125	6.21	20	
Toluene	0.0547	0.00600	0.0500	0	109	84	123	7.56	20	
Ethylbenzene	0.0525	0.00600	0.0500	0	105	83	119	6.31	20	
Xylenes, Total	0.158	0.00900	0.150	0	105	81	117	6.02	20	
Surr: a,a,a-Trifluorotoluene	207		200.0		103	87	113	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: GC8_111118A

Sample ID:	ICV-111118	Batch ID:	R57913	TestNo:	SW8021B	Units:	mg/L				
SampType:	ICV	Run ID:	GC8_111118A	Analysis Date:	11/18/11 06:00 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0976	0.00200	0.100	0	97.6	80	120			
Toluene		0.102	0.00600	0.100	0	102	80	120			
Ethylbenzene		0.100	0.00600	0.100	0	100	80	120			
Xylenes, Total		0.299	0.00900	0.300	0	99.6	80	120			
Surr: a,a,a-Trifluorotoluene		201		200.0		101	87	113			

Sample ID:	CCV1-111118	Batch ID:	R57913	TestNo:	SW8021B	Units:	mg/L				
SampType:	CCV	Run ID:	GC8_111118A	Analysis Date:	11/18/11 10:13 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene		0.0531	0.00200	0.0500	0	106	80	120			
Toluene		0.0537	0.00600	0.0500	0	107	80	120			
Ethylbenzene		0.0518	0.00600	0.0500	0	104	80	120			
Xylenes, Total		0.155	0.00900	0.150	0	104	80	120			
Surr: a,a,a-Trifluorotoluene		206		200.0		103	87	113			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_111128A

Sample ID:	1111138-09B SD	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	SD	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:28 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0	0.00100	0	0				0	10
Sample ID:	1111138-09B PDS	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	PDS	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:30 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00228	0.000200	0.00250	0	91.2	85	115		
Sample ID:	1111138-09B MS	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	MS	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:32 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00172	0.000200	0.00200	0	86.0	80	120		
Sample ID:	1111138-09B MSD	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	MSD	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:34 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00175	0.000200	0.00200	0	87.5	80	120	1.73	15
Sample ID:	MB-49226	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	MBLK	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:03 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		ND	0.000200							
Sample ID:	Filter Blank-49226	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	MBLK	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:05 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		ND	0.000200							
Sample ID:	LCS-49226	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	LCS	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:14 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00197	0.000200	0.00200	0	98.5	85	115		
Sample ID:	LCSD-49226	Batch ID:	49226	TestNo:	SW7470A	Units:	mg/L			
SampType:	LCSD	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:16 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00200	0.000200	0.00200	0	100	85	115	1.51	15

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_111128A

Sample ID:	ICV-111128	Batch ID:	R58010	TestNo:	SW7470A	Units:	mg/L			
SampType:	ICV	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 11:59 AM	Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00386	0.000200	0.00400	0	96.5	90	110		
Sample ID:	CCV1-111128	Batch ID:	R58010	TestNo:	SW7470A	Units:	mg/L			
SampType:	CCV	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:24 PM	Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00208	0.000200	0.00200	0	104	90	110		
Sample ID:	CCV2-111128	Batch ID:	R58010	TestNo:	SW7470A	Units:	mg/L			
SampType:	CCV	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 12:49 PM	Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00212	0.000200	0.00200	0	106	90	110		
Sample ID:	CCV3-111128	Batch ID:	R58010	TestNo:	SW7470A	Units:	mg/L			
SampType:	CCV	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 01:13 PM	Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00212	0.000200	0.00200	0	106	90	110		
Sample ID:	CCV4-111128	Batch ID:	R58010	TestNo:	SW7470A	Units:	mg/L			
SampType:	CCV	Run ID:	CETAC_HG_111128A	Analysis Date:	11/28/11 01:38 PM	Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Mercury		0.00210	0.000200	0.00200	0	105	90	110		

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_111129A

Sample ID:	MB-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 12:13 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		ND	0.300							
Sample ID:	FILTER BLANK-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 12:19 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		ND	0.300	0						
Sample ID:	LCS-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	LCS	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 12:25 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		5.15	0.300	5.00	0	103	80	120		
Sample ID:	LCSD-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	LCSD	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 12:31 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		5.29	0.300	5.00	0	106	80	120	2.62	15
Sample ID:	1111138-09B SD	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	SD	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 12:49 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Calcium		392	750	0	560				35.3	10 R
Magnesium		261	750	0	257				1.70	10
Potassium		129	750	0	104				21.1	10 R
Sodium		9300	750	0	9510				2.21	10
Sample ID:	1111138-09B PDS	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	PDS	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 01:49 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Calcium		3010	150	2500	560	97.9	75	125		
Magnesium		2670	150	2500	257	96.6	75	125		
Potassium		2570	150	2500	104	98.8	75	125		
Sodium		11700	150	2500	9510	88.2	75	125		
Sample ID:	1111138-09B MS	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MS	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 01:54 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		9340	150	5.00	9510	-3400	80	120		S
Sample ID:	1111138-09B MSD	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MSD	Run ID:	ICP-MS2_111129A	Analysis Date:	11/29/11 02:00 PM	Prep Date:	11/23/11			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Sodium		9370	150	5.00	9510	-2800	80	120	0.321	15 S

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_111129A

Sample ID:	ICV1-111129	Batch ID:	R58036		TestNo:	SW6020		Units:	mg/L	
SampType:	ICV	Run ID:	ICP-MS2_111129A		Analysis Date:	11/29/11 11:32 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Barium	0.0969	0.0100	0.100	0	96.9	90	110			
Calcium	2.36	0.300	2.50	0	94.3	90	110			
Magnesium	2.51	0.300	2.50	0	101	90	110			
Potassium	2.52	0.300	2.50	0	101	90	110			
Sodium	2.59	0.300	2.50	0	103	90	110			

Sample ID:	CCV1-111129	Batch ID:	R58036		TestNo:	SW6020		Units:	mg/L	
SampType:	CCV	Run ID:	ICP-MS2_111129A		Analysis Date:	11/29/11 02:06 PM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Barium	0.199	0.0100	0.200	0	99.4	90	110			
Calcium	4.94	0.300	5.00	0	98.8	90	110			
Magnesium	5.06	0.300	5.00	0	101	90	110			
Potassium	5.04	0.300	5.00	0	101	90	110			
Sodium	5.15	0.300	5.00	0	103	90	110			

Sample ID:	CCV2-111129	Batch ID:	R58036		TestNo:	SW6020		Units:	mg/L		
SampType:	CCV	Run ID:	ICP-MS2_111129A		Analysis Date:	11/29/11 03:25 PM		Prep Date:			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual	
Calcium	4.91	0.300	5.00	0	98.3	90	110				
Magnesium	4.94	0.300	5.00	0	98.9	90	110				
Potassium	5.06	0.300	5.00	0	101	90	110				
Sodium	5.01	0.300	5.00	0	100	90	110				

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_111123B

Sample ID:	MB-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 04:42 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	0.00600								
Barium	ND	0.0100								
Cadmium	ND	0.00100								
Calcium	ND	0.300								
Chromium	ND	0.00600								
Lead	ND	0.00100								
Magnesium	ND	0.300								
Potassium	ND	0.300								
Selenium	ND	0.00600								
Silver	ND	0.00200								

Sample ID:	Filter Blank-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 04:48 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	ND	0.00600								
Barium	ND	0.0100								
Cadmium	ND	0.00100								
Calcium	ND	0.300								
Chromium	ND	0.00600								
Lead	ND	0.00100								
Magnesium	ND	0.300								
Potassium	ND	0.300								
Selenium	ND	0.00600								
Silver	ND	0.00200								

Sample ID:	LCS-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	LCS	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 04:54 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.193	0.00600	0.200	0	96.6	80	120			
Barium	0.194	0.0100	0.200	0	97.0	80	120			
Cadmium	0.197	0.00100	0.200	0	98.6	80	120			
Calcium	4.99	0.300	5.00	0	99.9	80	120			
Chromium	0.198	0.00600	0.200	0	98.8	80	120			
Lead	0.194	0.00100	0.200	0	97.1	80	120			
Magnesium	4.95	0.300	5.00	0	98.9	80	120			
Potassium	4.91	0.300	5.00	0	98.2	80	120			
Selenium	0.191	0.00600	0.200	0	95.6	80	120			
Silver	0.208	0.00200	0.200	0	104	80	120			

Sample ID:	LCSD-49225	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	LCSD	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 04:59 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.195	0.00600	0.200	0	97.6	80	120	1.03	15	
Barium	0.192	0.0100	0.200	0	95.9	80	120	1.09	15	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_111123B

Cadmium	0.196	0.00100	0.200	0	98.0	80	120	0.661	15
Calcium	5.04	0.300	5.00	0	101	80	120	0.977	15
Chromium	0.200	0.00600	0.200	0	99.9	80	120	1.11	15
Lead	0.195	0.00100	0.200	0	97.5	80	120	0.411	15
Magnesium	5.07	0.300	5.00	0	101	80	120	2.46	15
Potassium	4.97	0.300	5.00	0	99.5	80	120	1.27	15
Selenium	0.192	0.00600	0.200	0	95.8	80	120	0.209	15
Silver	0.205	0.00200	0.200	0	103	80	120	1.40	15

Sample ID:	1111138-09B SD	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	SD	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 05:16 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0140	0.0300	0	0.0140				0.143	10	
Barium	0.0267	0.0500	0	0.0273				2.26	10	
Cadmium	0	0.00500	0	0				0	10	
Chromium	0	0.0300	0	0				0	10	
Lead	0	0.00500	0	0				0	10	
Selenium	0.0124	0.0300	0	0.00882				33.9	10	R
Silver	0	0.0100	0	0				0	10	

Sample ID:	1111138-09B PDS	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	PDS	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 06:12 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.233	0.00600	0.200	0.0140	110	75	125			
Barium	0.216	0.0100	0.200	0.0273	94.3	75	125			
Cadmium	0.186	0.00100	0.200	0	92.8	75	125			
Chromium	0.179	0.00600	0.200	0	89.6	75	125			
Lead	0.186	0.00100	0.200	0	93.0	75	125			
Selenium	0.231	0.00600	0.200	0.00882	111	75	125			
Silver	0.187	0.00200	0.200	0	93.4	75	125			

Sample ID:	1111138-09B MS	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L			
SampType:	MS	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 06:18 PM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.232	0.00600	0.200	0.0140	109	80	120			
Barium	0.212	0.0100	0.200	0.0273	92.4	80	120			
Cadmium	0.183	0.00100	0.200	0	91.4	80	120			
Calcium	475	0.300	5.00	486	-218	80	120			S
Chromium	0.172	0.00600	0.200	0	85.8	80	120			
Lead	0.182	0.00100	0.200	0	91.0	80	120			
Magnesium	204	0.300	5.00	196	164	80	120			S
Potassium	91.7	0.300	5.00	85.9	116	80	120			
Selenium	0.226	0.00600	0.200	0.00882	109	80	120			
Silver	0.187	0.00200	0.200	0	93.6	80	120			

Sample ID:	1111138-09B MSD	Batch ID:	49225	TestNo:	SW6020	Units:	mg/L
SampType:	MSD	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 06:24 PM	Prep Date:	11/23/11

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_111123B

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.233	0.00600	0.200	0.0140	109	80	120	0.215	15	
Barium	0.211	0.0100	0.200	0.0273	91.9	80	120	0.425	15	
Cadmium	0.181	0.00100	0.200	0	90.6	80	120	0.880	15	
Calcium	474	0.300	5.00	486	-238	80	120	0.211	15	S
Chromium	0.167	0.00600	0.200	0	83.6	80	120	2.48	15	
Lead	0.181	0.00100	0.200	0	90.5	80	120	0.496	15	
Magnesium	198	0.300	5.00	196	52.0	80	120	2.78	15	S
Potassium	89.5	0.300	5.00	85.9	71.8	80	120	2.44	15	S
Selenium	0.230	0.00600	0.200	0.00882	111	80	120	1.66	15	
Silver	0.186	0.00200	0.200	0	93.2	80	120	0.321	15	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_111123B

Sample ID:	ICV2-111123	Batch ID:	R57996	TestNo:	SW6020	Units:	mg/L			
SampType:	ICV	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 04:14 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.0999	0.00600	0.100	0	99.9	90	110			
Barium	0.0975	0.0100	0.100	0	97.5	90	110			
Cadmium	0.0972	0.00100	0.100	0	97.2	90	110			
Calcium	2.51	0.300	2.50	0	100	90	110			
Chromium	0.104	0.00600	0.100	0	104	90	110			
Lead	0.0984	0.00100	0.100	0	98.4	90	110			
Magnesium	2.49	0.300	2.50	0	99.6	90	110			
Potassium	2.52	0.300	2.50	0	101	90	110			
Selenium	0.0970	0.00600	0.100	0	97.0	90	110			
Silver	0.108	0.00200	0.100	0	108	90	110			

Sample ID:	CCV2-111123	Batch ID:	R57996	TestNo:	SW6020	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 06:29 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.216	0.00600	0.200	0	108	90	110			
Barium	0.182	0.0100	0.200	0	91.1	90	110			
Cadmium	0.186	0.00100	0.200	0	93.2	90	110			
Calcium	5.21	0.300	5.00	0	104	90	110			
Chromium	0.189	0.00600	0.200	0	94.6	90	110			
Lead	0.182	0.00100	0.200	0	91.0	90	110			
Magnesium	5.13	0.300	5.00	0	103	90	110			
Potassium	4.99	0.300	5.00	0	99.7	90	110			
Selenium	0.210	0.00600	0.200	0	105	90	110			
Silver	0.195	0.00200	0.200	0	97.7	90	110			

Sample ID:	CCV3-111123	Batch ID:	R57996	TestNo:	SW6020	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS3_111123B	Analysis Date:	11/23/11 07:54 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Arsenic	0.208	0.00600	0.200	0	104	90	110			
Barium	0.194	0.0100	0.200	0	97.2	90	110			
Cadmium	0.197	0.00100	0.200	0	98.6	90	110			
Calcium	5.06	0.300	5.00	0	101	90	110			
Chromium	0.199	0.00600	0.200	0	99.4	90	110			
Lead	0.192	0.00100	0.200	0	96.0	90	110			
Magnesium	4.88	0.300	5.00	0	97.5	90	110			
Potassium	4.81	0.300	5.00	0	96.1	90	110			
Selenium	0.202	0.00600	0.200	0	101	90	110			
Silver	0.205	0.00200	0.200	0	102	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: IC_111122A

Sample ID:	LCS-49315	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	LCS	Run ID:	IC_111122A	Analysis Date:	11/22/11 09:17 AM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.6	1.00	10.00	0	106	90	110			
Sulfate	30.3	3.00	30.00	0	101	90	110			
Sample ID:	LCSD-49315	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	LCSD	Run ID:	IC_111122A	Analysis Date:	11/22/11 09:28 AM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.7	1.00	10.00	0	107	90	110	0.267	20	
Sulfate	30.3	3.00	30.00	0	101	90	110	0.096	20	
Sample ID:	MB-49315	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	MBLK	Run ID:	IC_111122A	Analysis Date:	11/22/11 09:40 AM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	ND	1.00								
Sulfate	ND	3.00								
Sample ID:	1111176-02D MS	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	MS	Run ID:	IC_111122A	Analysis Date:	11/22/11 10:18 AM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	26.2	1.00	10.00	16.11	101	90	110			
Sulfate	38.1	3.00	30.00	7.800	101	90	110			
Sample ID:	1111176-02D MSD	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	MSD	Run ID:	IC_111122A	Analysis Date:	11/22/11 10:29 AM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	26.1	1.00	10.00	16.11	99.5	90	110	0.487	20	
Sulfate	38.1	3.00	30.00	7.800	101	90	110	0.003	20	
Sample ID:	1111138-09D MS	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	MS	Run ID:	IC_111122A	Analysis Date:	11/22/11 01:15 PM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	12400	500	5000	7179	104	90	110			
Sulfate	18800	1500	15000	3648	101	90	110			
Sample ID:	1111138-09D MSD	Batch ID:	49315	TestNo:	E300	Units:	mg/L			
SampType:	MSD	Run ID:	IC_111122A	Analysis Date:	11/22/11 01:48 PM	Prep Date:	11/22/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	12500	500	5000	7179	106	90	110	1.00	20	
Sulfate	18900	1500	15000	3648	101	90	110	0.205	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: IC_111122A

Sample ID:	ICV-111122	Batch ID:	R57947	TestNo:	E300	Units:	mg/L			
SampType:	ICV	Run ID:	IC_111122A	Analysis Date:	11/22/11 09:04 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	27.1	1.00	25.00	0	109	90	110			
Sulfate	78.1	3.00	75.00	0	104	90	110			

Sample ID:	CCV1-111122	Batch ID:	R57947	TestNo:	E300	Units:	mg/L			
SampType:	CCV	Run ID:	IC_111122A	Analysis Date:	11/22/11 11:16 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.6	1.00	10.00	0	106	90	110			
Sulfate	30.4	3.00	30.00	0	101	90	110			

Sample ID:	CCV2-111122	Batch ID:	R57947	TestNo:	E300	Units:	mg/L			
SampType:	CCV	Run ID:	IC_111122A	Analysis Date:	11/22/11 01:27 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.6	1.00	10.00	0	106	90	110			
Sulfate	30.6	3.00	30.00	0	102	90	110			

Sample ID:	CCV3-111122	Batch ID:	R57947	TestNo:	E300	Units:	mg/L			
SampType:	CCV	Run ID:	IC_111122A	Analysis Date:	11/22/11 03:46 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.6	1.00	10.00	0	106	90	110			
Sulfate	30.5	3.00	30.00	0	102	90	110			

Sample ID:	CCV4-111122	Batch ID:	R57947	TestNo:	E300	Units:	mg/L			
SampType:	CCV	Run ID:	IC_111122A	Analysis Date:	11/22/11 05:34 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride	10.6	1.00	10.00	0	106	90	110			
Sulfate	30.6	3.00	30.00	0	102	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_111118A

Sample ID:	LCS-49268	Batch ID:	49268	TestNo:	M2320 B	Units:	mg/L			
SampType:	LCS	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 01:10 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	51.7	20.0	50.00	0	103	74	129			

Sample ID:	1111138-07D-DUP	Batch ID:	49268	TestNo:	M2320 B	Units:	mg/L			
SampType:	DUP	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 03:21 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	631	20.0	0	627.7				0.509	20	
Alkalinity, Carbonate (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	631	20.0	0	627.7				0.509	20	

Sample ID:	MB-49268	Batch ID:	49268	TestNo:	M2320 B	Units:	mg/L			
SampType:	MBLK	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 04:03 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	20.0								
Alkalinity, Carbonate (As CaCO3)	ND	20.0								
Alkalinity, Hydroxide (As CaCO3)	ND	20.0								
Alkalinity, Total (As CaCO3)	ND	20.0								

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_111118A

Sample ID:	ICV-111118	Batch ID:	R57895	TestNo:	M2320 B	Units:	mg/L			
SampType:	ICV	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 01:04 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	34.1	20.0	0							
Alkalinity, Carbonate (As CaCO3)	68.2	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	102	20.0	100.0	0	102	98	102			

Sample ID:	CCV1-111118	Batch ID:	R57895	TestNo:	M2320 B	Units:	mg/L			
SampType:	CCV	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 03:26 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	46.5	20.0	0							
Alkalinity, Carbonate (As CaCO3)	55.7	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	102	20.0	100.0	0	102	90	110			

Sample ID:	CCV2-111118	Batch ID:	R57895	TestNo:	M2320 B	Units:	mg/L			
SampType:	CCV	Run ID:	TITRATOR_111118A	Analysis Date:	11/18/11 04:08 PM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	33.4	20.0	0							
Alkalinity, Carbonate (As CaCO3)	68.6	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	102	20.0	100.0	0	102	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_111123B

Sample ID:	LCS-49336	Batch ID:	49336	TestNo:	M2320 B	Units:	mg/L			
SampType:	LCS	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 09:06 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	52.2	20.0	50.00	0	104	74	129			

Sample ID:	MB-49336	Batch ID:	49336	TestNo:	M2320 B	Units:	mg/L			
SampType:	MBLK	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 09:07 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	20.0								
Alkalinity, Carbonate (As CaCO3)	ND	20.0								
Alkalinity, Hydroxide (As CaCO3)	ND	20.0								
Alkalinity, Total (As CaCO3)	ND	20.0								

Sample ID:	1111176-01D DUP	Batch ID:	49336	TestNo:	M2320 B	Units:	mg/L			
SampType:	DUP	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 09:20 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	332	20.0	0	335.1				1.02	20	
Alkalinity, Carbonate (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	332	20.0	0	335.1				1.02	20	

Sample ID:	1111138-09D DUP	Batch ID:	49336	TestNo:	M2320 B	Units:	mg/L			
SampType:	DUP	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 10:04 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	642	20.0	0	628.8				2.14	20	
Alkalinity, Carbonate (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	642	20.0	0	628.8				2.14	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_111123B

Sample ID:	ICV-111123	Batch ID:	R57978	TestNo:	M2320 B	Units:	mg/L			
SampType:	ICV	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 09:02 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	5.60	20.0	0							
Alkalinity, Carbonate (As CaCO3)	96.2	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	102	20.0	100.0	0	102	98	102			

Sample ID:	CCV1-111123	Batch ID:	R57978	TestNo:	M2320 B	Units:	mg/L			
SampType:	CCV	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 09:59 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	13.7	20.0	0							
Alkalinity, Carbonate (As CaCO3)	87.4	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	90	110			

Sample ID:	CCV2-111123	Batch ID:	R57978	TestNo:	M2320 B	Units:	mg/L			
SampType:	CCV	Run ID:	TITRATOR_111123B	Analysis Date:	11/23/11 10:57 AM	Prep Date:	11/23/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	17.8	20.0	0							
Alkalinity, Carbonate (As CaCO3)	83.4	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Larson & Associates
 Work Order: 1111138
 Project: Monument Gas Plant

ANALYTICAL QC SUMMARY REPORT

RunID: WC_111118B

Sample ID:	LCS-49266	Batch ID:	49266	TestNo:	M2540C	Units:	mg/L			
SampType:	LCS	Run ID:	WC_111118B	Analysis Date:	11/21/11 08:49 AM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fi	804	10.0	745.6	0	108	90	113			
Sample ID:	MB-49266	Batch ID:	49266	TestNo:	M2540C	Units:	mg/L			
SampType:	MBLK	Run ID:	WC_111118B	Analysis Date:	11/21/11 08:49 AM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fi	ND	10.0								
Sample ID:	1111138-09DDUP	Batch ID:	49266	TestNo:	M2540C	Units:	mg/L			
SampType:	DUP	Run ID:	WC_111118B	Analysis Date:	11/21/11 08:49 AM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fi	27200	200	0	27540				1.39	5	
Sample ID:	1111138-18DDUP	Batch ID:	49266	TestNo:	M2540C	Units:	mg/L			
SampType:	DUP	Run ID:	WC_111118B	Analysis Date:	11/21/11 08:49 AM	Prep Date:	11/18/11			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fi	1770	10.0	0	1777				0.508	5	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

Analytical Report 419105

for
Larson & Associates

Project Manager: Alexis Johnson

Targa Monument & Gas Plant

2-0108

15-JUN-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
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Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



15-JUN-11

Project Manager: **Alexis Johnson**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **419105**
Targa Monument & Gas Plant
Project Address:

Alexis Johnson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 419105. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 419105 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 419105



Larson & Associates, Midland, TX

Targa Monument & Gas Plant

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
WP-22	W	Jun-07-11 10:35		419105-001
WP-21	W	Jun-07-11 11:40		419105-002
WP-23	W	Jun-07-11 12:25		419105-003
WP-16	W	Jun-07-11 13:40		419105-004
WP-20	W	Jun-07-11 14:15		419105-005
WP-19	W	Jun-07-11 14:45		419105-006
DUP-01	W	Jun-07-11 00:00		419105-007
Trip Blank	W	Jun-07-11 00:00		419105-008



CASE NARRATIVE

Client Name: Larson & Associates

Project Name: Targa Monument & Gas Plant



Project ID: 2-0108

Work Order Number: 419105

Report Date: 15-JUN-11

Date Received: 06/08/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-859264 Anions by E300

E300MI

Batch 859264, Chloride, Sulfate recovered above QC limits in the Matrix Spike.

Samples affected are: 419105-005, -004, -003, -007, -002, -001, -006.

The Laboratory Control Sample for Chloride, Sulfate is within laboratory Control Limits

Batch: LBA-859738 BTEX by EPA 8021B

SW8021BM

Batch 859738, Benzene recovered above QC limits in the Matrix Spike.

Samples affected are: 419105-005, -008, -002, -006.

The Laboratory Control Sample for Benzene is within laboratory Control Limits

Batch: LBA-859912 BTEX by EPA 8021B

SW8021BM

Batch 859912, 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 419105-004.

Batch: LBA-859989 Dissolved Metals by SW-846 6010C

SW6010C

Batch 859989, Magnesium recovered below QC limits in the Matrix Spike. Calcium, Potassium, Sodium recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Selenium recovered above QC limits in the Matrix Spike Duplicate.

Samples affected are: 419105-005, -004, -003, -002, -001.

The Laboratory Control Sample for Magnesium, Calcium, Sodium, Selenium, Potassium is within laboratory Control Limits



CASE NARRATIVE

Client Name: Larson & Associates

Project Name: Targa Monument & Gas Plant



Project ID: 2-0108

Work Order Number: 419105

Report Date: 15-JUN-11

Date Received: 06/08/2011

*Batch: LBA-860113 Dissolved Metals by SW-846 6010C
SW6010C*

Batch 860113, Barium, Cadmium, Calcium, Lead, Magnesium recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Potassium recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 419105-007, -006.

The Laboratory Control Sample for Magnesium, Calcium, Barium, Lead, Cadmium, Potassium is within laboratory Control Limits

Certificate of Analysis Summary 419105

Larson & Associates, Midland, TX

Project Name: Targa Monument & Gas Plant

Project Id: 2-0108
 Contact: Alexis Johnson
 Project Location:

Date Received in Lab: Wed Jun-08-11 08:35 am

Report Date: 15-JUN-11

Project Manager: Brent Barron, II



Analysis Requested		Lab Id:	Field Id:	Depth:	Matrix:	Sampled:	419105-001	419105-002	419105-003	419105-004	419105-005	419105-006
			WP-22		WATER	Jun-07-11 10:35		WP-21	WP-23	WP-16	WP-20	WP-19
Alkalinity by SM2320B		Extracted:	Jun-09-11 10:00					Jun-09-11 10:00	Jun-09-11 10:00	Jun-09-11 10:00	Jun-09-11 10:00	Jun-09-11 10:00
		Analyzed:	mg/L	RL				mg/L	RL	mg/L	RL	mg/L
		Units/RL:	420	4.00				490	4.00	1220	4.00	640
Alkalinity, Total (as CaCO3)												
Anions by E300		Extracted:	Jun-08-11 15:40					Jun-08-11 17:56	Jun-08-11 18:19	Jun-08-11 18:42	Jun-08-11 19:05	Jun-08-11 19:28
		Analyzed:	mg/L	RL				mg/L	RL	mg/L	RL	mg/L
		Units/RL:	1570	50.0				3660	100	7260	250	22300
Chloride												
			715	50.0				1120	100	1690	250	4300
Sulfate												
BTEX by EPA 8021B		Extracted:	Jun-13-11 12:00					Jun-09-11 15:45	Jun-13-11 12:00	Jun-13-11 12:00	Jun-09-11 15:45	Jun-09-11 15:45
		Analyzed:	mg/L	RL				mg/L	RL	mg/L	RL	mg/L
		Units/RL:	ND	0.0010				ND	0.0010	ND	0.0010	ND
Benzene												
			ND	0.0020				ND	0.0020	0.00403	0.0020	ND
Toluene												
			ND	0.0010				ND	0.0010	0.00168	0.0010	ND
Ethylbenzene												
			ND	0.0020				ND	0.0020	0.00311	0.0020	ND
m_p-Xylenes												
			ND	0.0010				ND	0.0010	0.00426	0.0010	ND
o-Xylene												
			ND	0.0010				ND	0.0010	0.00737	0.0010	ND
Total Xylenes												
			ND	0.0010				ND	0.0010	0.0149	0.0010	ND
Total BTEX												
Dissolved Mercury by SW-846 7470A		Extracted:	Jun-09-11 07:30					Jun-09-11 07:30	Jun-09-11 07:30	Jun-09-11 07:30	Jun-09-11 07:30	Jun-09-11 07:30
		Analyzed:	mg/L	RL				mg/L	RL	mg/L	RL	mg/L
		Units/RL:	ND	0.00025				ND	0.00025	ND	0.00025	ND
Dissolved Mercury												
			ND	0.00025				ND	0.00025	ND	0.00025	ND

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Brent Barron, II
 Odessa Laboratory Manager



Certificate of Analysis Summary 419105

Larson & Associates, Midland, TX

Project Name: Targa Monument & Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Wed Jun-08-11 08:35 am

Report Date: 15-JUN-11

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:	419105-001	419105-002	419105-003	419105-004	419105-005	419105-006
	Field Id:	WP-22	WP-21	WP-23	WP-16	WP-20	WP-19
	Depth:						
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
Dissolved Metals by SW-846 6010C SUB: E87429	Sampled:	Jun-07-11 10:35	Jun-07-11 11:40	Jun-07-11 12:25	Jun-07-11 13:40	Jun-07-11 14:15	Jun-07-11 14:45
	Extracted:	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:22
	Analyzed:	Jun-13-11 19:41	Jun-13-11 19:43	Jun-13-11 19:45	Jun-13-11 19:47	Jun-13-11 19:53	Jun-13-11 20:01
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Arsenic	ND	0.0100	0.0361 0.0100	0.0283 0.0100	ND 0.0100	0.0242 0.0100	0.0501 0.0100
Barium	0.0830 0.0500	0.0724 0.0500	0.0994 0.0500	0.105 0.0500	0.0864 0.0500	0.0995 0.0500	
Cadmium	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Calcium	207 D 100	225 D 100	229 D 100	18.9 5.00	909 D 100	1470 D 100	
Chromium	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500
Lead	ND 0.0100	ND 0.0100	0.0105 0.0100	ND 0.0100	ND 0.0100	0.0110 0.0100	
Magnesium	62.1 D 20.0	86.3 D 20.0	205 D 100	13.9 5.00	386 D 100	827 D 20.0	
Potassium	29.6 5.00	59.6 5.00	40.3 5.00	7.34 5.00	115 5.00	144 D 5.00	
Selenium	ND 0.0100	ND 0.0100	0.0116 0.0100	0.0112 0.0100	0.0197 0.0100	0.0142 0.0100	
Silver	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	
Sodium	865 D 100	1620 D 100	3360 D 1000	622 D 100	3830 D 1000	8390 D 1000	
TDS by SM2540C							
Extracted:	Analyzed:	Jun-08-11 16:30	Jun-08-11 16:30	Jun-08-11 16:30	Jun-08-11 16:30	Jun-08-11 16:30	Jun-08-11 16:30
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Total dissolved solids		3780 5.00	7110 5.00	12500 5.00	1720 5.00	18000 5.00	38300 5.00

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Brent Barron, II

Odessa Laboratory Manager

Certificate of Analysis Summary 419105

Larson & Associates, Midland, TX

Project Name: Targa Monument & Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Wed Jun-08-11 08:35 am

Report Date: 15-JUN-11

Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	419105-007	419105-008		
		Field Id:	DUP-01	Trip Blank		
		Depth:				
		Matrix:	WATER	WATER		
		Sampled:	Jun-07-11 00:00	Jun-07-11 00:00		
Alkalinity by SM2320B		Extracted:				
		Analyzed:	Jun-09-11 10:00			
		Units/RL:	mg/L RL			
Alkalinity, Total (as CaCO3)			420 4.00			
Anions by E300		Extracted:				
		Analyzed:	Jun-08-11 19:51			
		Units/RL:	mg/L RL			
Chloride			1740 100			
Sulfate			821 100			
BTEX by EPA 8021B		Extracted:	Jun-13-11 12:00	Jun-09-11 15:45		
		Analyzed:	Jun-13-11 19:07	Jun-10-11 21:54		
		Units/RL:	mg/L RL	mg/L RL		
Benzene			ND 0.0010	ND 0.0010		
Toluene			ND 0.0020	ND 0.0020		
Ethylbenzene			ND 0.0010	ND 0.0010		
m,p-Xylenes			ND 0.0020	ND 0.0020		
o-Xylene			ND 0.0010	ND 0.0010		
Total Xylenes			ND 0.0010	ND 0.0010		
Total BTEX			ND 0.0010	ND 0.0010		
Dissolved Mercury by SW-846 7470A		Extracted:	Jun-09-11 07:30			
		Analyzed:	Jun-09-11 09:46			
		Units/RL:	mg/L RL			
Dissolved Mercury			ND			

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 Brent Barron, II
 Odessa Laboratory Manager



Certificate of Analysis Summary 419105

Larson & Associates, Midland, TX

Project Name: Targa Monument & Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Wed Jun-08-11 08:35 am

Report Date: 15-JUN-11

Project Manager: Brent Barron, II



Analysis Requested		Lab Id:	419105-007	419105-008		
		Field Id:	DUP-01	Trip Blank		
		Depth:				
		Matrix:	WATER	WATER		
		Sampled:	Jun-07-11 00:00	Jun-07-11 00:00		
Dissolved Metals by SW-846 6010C		Extracted:	Jun-13-11 12:22			
SUB: E87429		Analyzed:	Jun-13-11 20:12			
		Units/RL:	mg/L RL			
Arsenic			ND 0.0100			
Barium			0.0801 0.0500			
Cadmium			ND 0.0050			
Calcium			221 D 5.00			
Chromium			ND 0.0500			
Lead			ND 0.0100			
Magnesium			59.4 D 20.0			
Potassium			29.2 5.00			
Selenium			0.0125 0.0100			
Silver			ND 0.0500			
Sodium			8.41 D 100			
TDS by SM2540C		Extracted:				
		Analyzed:	Jun-08-11 16:30			
		Units/RL:	mg/L RL			
Total dissolved solids			3570 5.00			

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Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
 - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- LOD** Limit of Detection
- LOQ** Limit of Quantitation
- DL** Method Detection Limit
- NC** Non-Calculable
- + Outside XENCO's scope of NELAC Accreditation.

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Form 2 - Surrogate Recoveries

Project Name: Targa Monument & Gas Plant

Work Orders : 419105,

Project ID: 2-0108

Lab Batch #: 859738

Sample: 604926-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/10/11 19:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0318	0.0300	106	80-120	

Lab Batch #: 859738

Sample: 604926-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/10/11 20:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

Lab Batch #: 859738

Sample: 604926-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/10/11 21:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 859738

Sample: 419105-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/10/11 21:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	

Lab Batch #: 859738

Sample: 419105-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/11/11 00:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument & Gas Plant

Work Orders : 419105,

Project ID: 2-0108

Lab Batch #: 859738

Sample: 419102-002 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/11/11 01:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 859738

Sample: 419102-002 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/11/11 01:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

Lab Batch #: 859738

Sample: 419105-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/11/11 02:48

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0288	0.0300	96	80-120	

Lab Batch #: 859738

Sample: 419105-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/11/11 03:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0298	0.0300	99	80-120	

Lab Batch #: 859912

Sample: 605027-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 12:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument & Gas Plant

Work Orders : 419105,

Project ID: 2-0108

Lab Batch #: 859912

Sample: 605027-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 13:20

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 859912

Sample: 605027-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 14:28

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 859912

Sample: 419105-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 17:59

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 859912

Sample: 419105-003 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 18:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 859912

Sample: 419105-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 18:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0242	0.0300	81	80-120	
4-Bromofluorobenzene	0.0236	0.0300	79	80-120	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument & Gas Plant

Work Orders : 419105,

Project ID: 2-0108

Lab Batch #: 859912

Sample: 419105-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 19:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 859912

Sample: 419128-001 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 19:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

Lab Batch #: 859912

Sample: 419128-001 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 20:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \cdot A / B$

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Project ID:

2-0108

Lab Batch #: 859385

Sample: 859385-1-BKS

Matrix: Water

Date Analyzed: 06/09/2011

Date Prepared: 06/09/2011

Analyst: WRU

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Alkalinity by SM2320B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Alkalinity, Total (as CaCO ₃)	<4.00	200	162	81	80-120	

Lab Batch #: 859392

Sample: 859392-1-BKS

Matrix: Water

Date Analyzed: 06/09/2011

Date Prepared: 06/09/2011

Analyst: WRU

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Alkalinity by SM2320B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Alkalinity, Total (as CaCO ₃)	<4.00	200	162	81	80-120	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



BS / BSD Recoveries



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Analyst: ASA

Lab Batch ID: 859738

Sample: 604926-1-BKS

Units: mg/L

Date Prepared: 06/09/2011

Batch #: 1

Project ID: 2-0108

Date Analyzed: 06/10/2011

Matrix: Water

Units: mg/L													
BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY													
BTEx by EPA 8021B			Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes													
Benzene			<0.00100	0.100	0.105	105	0.100	0.102	102	3	70-125	25	
Toluene			<0.00200	0.100	0.0975	98	0.100	0.0953	95	2	70-125	25	
Ethylbenzene			<0.00100	0.100	0.102	102	0.100	0.102	102	0	71-129	25	
m, p-Xylenes			<0.00200	0.200	0.193	97	0.200	0.196	98	2	70-131	25	
o-Xylene			<0.00100	0.100	0.0976	98	0.100	0.0980	98	0	71-133	25	

Analyst: ASA

Lab Batch ID: 859912

Sample: 605027-1-BKS

Units: mg/L

Date Prepared: 06/13/2011

Batch #: 1

Date Analyzed: 06/13/2011

Matrix: Water

Units: mg/L											
BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
BTEx by EPA 8021B											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.101	101	0.100	0.0990	99	2	70-125	25	
Toluene	<0.00200	0.100	0.0947	95	0.100	0.0929	93	2	70-125	25	
Ethylbenzene	<0.00100	0.100	0.103	103	0.100	0.101	101	2	71-129	25	
m, p-Xylenes	<0.00200	0.200	0.199	100	0.200	0.197	99	1	70-131	25	
o-Xylene	<0.00100	0.100	0.0979	98	0.100	0.0970	97	1	71-133	25	

Relative Percent Difference RPD = $200 \cdot |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 \cdot (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 \cdot (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Analyst: LATCOR

Lab Batch ID: 859273

Date Prepared: 06/09/2011

Project ID: 2-0108

Date Analyzed: 06/09/2011

Sample: 604703-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Mercury by SW-846 7470A											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dissolved Mercury	<0.000250	0.00100	0.000830	83	0.00100	0.000910	91	9	75-125	20	

Analyst: 4150

Lab Batch ID: 859989

Sample: 604943-1-BKS

Date Prepared: 06/13/2011

Date Analyzed: 06/13/2011

Batch #: 1

Matrix: Water

Units: mg/L

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010C											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.0100	1.00	0.807	81	1.00	0.830	83	3	80-120	20	
Barium	<0.0500	1.00	0.942	94	1.00	0.942	94	0	80-120	20	
Cadmium	<0.00500	1.00	0.966	97	1.00	0.967	97	0	80-120	20	
Calcium	<5.00	9.00	8.78	98	9.00	8.77	97	0	80-120	20	
Chromium	<0.0500	1.00	0.939	94	1.00	0.934	93	1	80-120	20	
Lead	<0.0100	1.00	0.928	93	1.00	0.930	93	0	80-120	20	
Magnesium	<5.00	9.00	8.80	98	9.00	8.80	98	0	80-120	20	
Potassium	<5.00	18.0	16.1	89	18.0	16.2	90	1	80-120	20	
Selenium	<0.0100	1.00	0.944	94	1.00	0.957	96	1	80-120	20	
Silver	<0.0500	1.00	0.921	92	1.00	0.921	92	0	80-120	20	
Sodium	<5.00	9.00	8.70	97	9.00	9.68	108	11	80-120	20	

Relative Percent Difference RPD = $200 * ((C-F)/(C+F))$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Analyst: 4150

Date Prepared: 06/13/2011

Project ID: 2-0108

Date Analyzed: 06/13/2011

Lab Batch ID: 860113

Sample: 604944-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010C											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.0100	1.00	0.823	82	1.00	0.879	88	7	80-120	20	
Barium	<0.0500	1.00	0.940	94	1.00	0.950	95	1	80-120	20	
Cadmium	<0.00500	1.00	0.964	96	1.00	0.984	98	2	80-120	20	
Calcium	<5.00	9.00	8.74	97	9.00	8.60	96	2	80-120	20	
Chromium	<0.0500	1.00	0.937	94	1.00	0.948	95	1	80-120	20	
Lead	<0.0100	1.00	0.926	93	1.00	0.941	94	2	80-120	20	
Magnesium	<5.00	9.00	8.78	98	9.00	10.4	116	17	80-120	20	
Potassium	<5.00	18.0	16.1	89	18.0	17.7	98	9	80-120	20	
Selenium	<0.0100	1.00	0.952	95	1.00	0.990	99	4	80-120	20	
Silver	<0.0500	1.00	0.923	92	1.00	0.937	94	2	80-120	20	
Sodium	<5.00	9.00	9.62	107	9.00	9.19	102	5	80-120	20	

Analyst: LATCOR

Date Prepared: 06/08/2011

Date Analyzed: 06/08/2011

Lab Batch ID: 859264

Sample: 859264-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.500	10.0	10.4	104	10.0	10.4	104	0	80-120	20	
Sulfate	<0.500	10.0	11.6	116	10.0	11.5	115	1	80-120	20	

Relative Percent Difference RPD = $200 \cdot ((C-F)/(C+F))$

Blank Spike Recovery [D] = $100 \cdot (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 \cdot (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Analyst: WRU

Lab Batch ID: 859270

Sample: 859270-1-BKS

Date Prepared: 06/08/2011

Batch #: 1

Project ID: 2-0108

Date Analyzed: 06/08/2011

Matrix: Water

Units: mg/L

Units: mg/L												
BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
TDS by SM2540C		Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analyses												
Total dissolved solids		<5.00	1000	860	86	1000	936	94	8	80-120	30	

Relative Percent Difference RPD = $200 * (C - F) / (C + F)$
Blank Spike Recovery [D] = $100 * (C) / [B]$
Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Lab Batch #: 859264

Date Analyzed: 06/08/2011

Date Prepared: 06/08/2011

Project ID: 2-0108

Analyst: LATCOR

QC- Sample ID: 419105-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

Inorganic Anions by EPA 300		MATRIX / MATRIX SPIKE RECOVERY STUDY				
Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R
Chloride		1570	1000	2910	134	80-120
Sulfate		715	1000	2030	132	80-120

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Project ID: 2-0108

Lab Batch ID: 859738

QC-Sample ID: 419102-002 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/11/2011

Date Prepared: 06/09/2011

Analyst: ASA

Reporting Units: mg/L

Reporting Units: mg/L													
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY													
BTEx by EPA 8021B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
Analytes													
Benzene		<0.00100	0.100	0.127	127	0.100	0.125	125	2	70-125	25	X	
Toluene		<0.00200	0.100	0.118	118	0.100	0.115	115	3	70-125	25		
Ethylbenzene		<0.00100	0.100	0.122	122	0.100	0.125	125	2	71-129	25		
m,p-Xylenes		<0.00200	0.200	0.228	114	0.200	0.237	119	4	70-131	25		
o-Xylene		<0.00100	0.100	0.115	115	0.100	0.118	118	3	71-133	25		

Lab Batch ID: 859912

QC-Sample ID: 419128-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/13/2011

Date Prepared: 06/13/2011

Analyst: ASA

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY													
Reporting Units: mg/L		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
BTEx by EPA 8021B Analytes													
Benzene		<0.00100	0.100	0.102	102	0.100	0.0949	95	7	70-125	25		
Toluene		<0.00200	0.100	0.0957	96	0.100	0.0882	88	8	70-125	25		
Ethylbenzene		<0.00100	0.100	0.104	104	0.100	0.0973	97	7	71-129	25		
m, p-Xylenes		<0.00200	0.200	0.202	101	0.200	0.188	94	7	70-131	25		
o-Xylene		<0.00100	0.100	0.0994	99	0.100	0.0918	92	8	71-133	25		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Project ID: 2-0108

Lab Batch ID: 859273

QC-Sample ID: 419105-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/09/2011

Date Prepared: 06/09/2011

Analyst: LATCOR

Reporting Units: mg/L

Reporting Units: mg/L													
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY													
Dissolved Mercury by SW-846 7470A			Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes													
Dissolved Mercury			<0.000250	0.00100	0.000830	83	0.00100	0.000830	83	0	75-125	20	

Lab Batch ID: 859989

Date Analyzed: 06/13/2011

QC-Sample ID: 419317-001 S

Batch #: 1 Matrix: Water

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY													
Dissolved Metals by SW-846 6010C			Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes													
Arsenic			0.0666	1.00	1.15	108	1.00	1.18	111	3	80-120	20	
Barium			0.0529	1.00	0.883	83	1.00	0.910	86	3	80-120	20	
Cadmium			<0.00500	1.00	0.886	89	1.00	0.913	91	3	80-120	20	
Calcium			576	9.00	581	56	9.00	578	22	1	80-120	20	X
Chromium			<0.0500	1.00	0.886	89	1.00	0.915	92	3	80-120	20	
Lead			0.0103	1.00	0.832	82	1.00	0.861	85	3	80-120	20	
Magnesium			263	9.00	270	78	9.00	271	89	0	80-120	20	X
Potassium			201	18.0	206	28	18.0	207	33	0	80-120	20	X
Selenium			0.0338	1.00	1.21	118	1.00	1.24	121	2	80-120	20	X
Silver			<0.0500	1.00	1.10	110	1.00	1.12	112	2	80-120	20	
Sodium			5730	9.00	5730	0	9.00	5730	0	0	80-120	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+E)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Project ID: 2-0108

Lab Batch ID: 860113

QC Sample ID: 419105-006 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/13/2011

Date Prepared: 06/13/2011

Analyst: 4150

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010C	Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic		0.0501	1.00	1.06	101	1.00	1.08	103	2	80-120	20	
Barium		0.0995	1.00	0.893	79	1.00	0.881	78	1	80-120	20	X
Cadmium		<0.00500	1.00	0.787	79	1.00	0.779	78	1	80-120	20	X
Calcium		1470	9.00	1470	0	9.00	1470	0	0	80-120	20	X
Chromium		<0.0500	1.00	0.802	80	1.00	0.797	80	1	80-120	20	
Lead		0.0110	1.00	0.753	74	1.00	0.757	75	1	80-120	20	X
Magnesium		827	9.00	826	0	9.00	830	33	0	80-120	20	X
Potassium		144	18.0	171	150	18.0	168	133	2	80-120	20	X
Selenium		0.0142	1.00	1.15	114	1.00	1.13	112	2	80-120	20	
Silver		<0.0500	1.00	1.11	111	1.00	1.10	110	1	80-120	20	
Sodium		8390	9.00	8400	111	9.00	8400	111	0	80-120	20	

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
Relative Percent Difference RPD = $200 \cdot |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery [G] = $100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
n = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Lab Batch #: 859385

Project ID: 2-0108

Date Analyzed: 06/09/2011 10:00

Date Prepared: 06/09/2011

Analyst: WRU

QC- Sample ID: 418731-007 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Alkalinity by SM2320B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Alkalinity, Total (as CaCO ₃)	220	228	4	20	

Lab Batch #: 859392

Date Analyzed: 06/09/2011 10:00

Date Prepared: 06/09/2011

Analyst: WRU

QC- Sample ID: 419105-006 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Alkalinity by SM2320B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Alkalinity, Total (as CaCO ₃)	640	600	6	20	

Lab Batch #: 859264

Date Analyzed: 06/08/2011 15:40

Date Prepared: 06/08/2011

Analyst: LATCOR

QC- Sample ID: 419105-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	1570	1550	1	20	
Sulfate	715	703	2	20	

Spike Relative Difference $RPD = 200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Lab Batch #: 859989

Project ID: 2-0108

Date Analyzed: 06/13/2011 18:51

Date Prepared: 06/13/2011

Analyst: 4150

QC- Sample ID: 419317-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Dissolved Metals by SW-846 6010C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Arsenic	0.0666	0.0390	52	20	F
Barium	0.0529	0.0514	3	20	
Cadmium	<0.00500	<0.00500	0	20	
Calcium	576	580	1	20	
Chromium	<0.0500	<0.0500	0	20	
Lead	0.0103	0.0140	30	20	F
Magnesium	263	268	2	20	
Potassium	201	197	2	20	
Selenium	0.0338	0.0246	32	20	F
Silver	<0.0500	<0.0500	0	20	
Sodium	5730	5730	0	20	

Lab Batch #: 860113

Date Analyzed: 06/13/2011 20:03

Date Prepared: 06/13/2011

Analyst: 4150

QC- Sample ID: 419105-006 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Dissolved Metals by SW-846 6010C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Arsenic	0.0501	0.0315	46	20	F
Barium	0.0995	0.0992	0	20	
Cadmium	<0.00500	<0.00500	0	20	
Calcium	1470	1470	0	20	
Chromium	<0.0500	<0.0500	0	20	
Lead	0.0110	0.0126	14	20	
Magnesium	827	833	1	20	
Potassium	144	144	0	20	
Selenium	0.0142	0.0173	20	20	
Silver	<0.0500	<0.0500	0	20	
Sodium	8390	8400	0	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: Targa Monument & Gas Plant

Work Order #: 419105

Lab Batch #: 859270

Project ID: 2-0108

Date Analyzed: 06/08/2011 16:30

Date Prepared: 06/08/2011

Analyst: WRU

QC- Sample ID: 419105-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
TDS by SM2540C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Total dissolved solids	3780	3860	2	30	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN-OF-CUSTODY

DATE: 6-8-2011 PAGE 1 OF 1
 PO #: 4119105 LAB WORK ORDER #:
 PROJECT LOCATION OR NAME: Targa Monument Gas Plant
 LAI PROJECT #: 2-0108 COLLECTOR: D. Williams

LA Carson & Associates, Inc.
 Environmental Consultants
 507 N. Marientfeld, Ste. 200
 Midland, TX 79701
 432-687-0901

Data Reported to: **ALEXIS JOHNSON**

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES	
						S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	HCl	HNO ₃			H ₂ SO ₄ □ NaOH □
001 WP-22		6-7	1035	W	5							
002 WP-21		6-7	1140	W	5							
003 WP-23		6-7	1205	W	5							
004 WP-16		6-7	1340	W	5							
005 WP-20		6-7	1415	W	5							
006 WP-19		6-7	1445	W	5							
007 Dup-01		6-7		W	5							
008 Trip blank		6-7		W	2							
TOTAL												

REINQUISH BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	TURN AROUND TIME	LABORATORY USE ONLY:
<i>[Signature]</i>	6-8-11/0755	<i>[Signature]</i>	NORMAL ☒	RECEIVING TEMP: <u>4.1</u> THERM #: <u> </u>
<i>[Signature]</i>	6-8-11/0835	<i>[Signature]</i>	1 DAY ☐	CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
<i>[Signature]</i>		<i>[Signature]</i>	2 DAY ☐	☐ CARRIER BILL # <u> </u>
<i>[Signature]</i>		<i>[Signature]</i>	OTHER ☐	☒ HAND DELIVERED

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-InClient: Larson & AssociatesDate/Time: 6-8-11 8:35Lab ID #: 419105Initials: LM**Sample Receipt Checklist**

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<u>Yes</u>	No	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 4.1 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Analytical Report 419317

**for
Larson & Associates**

Project Manager: Alexis Johnson

Targa Monument Gas Plant

2-0108

16-JUN-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



16-JUN-11

Project Manager: **Alexis Johnson**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **419317**
Targa Monument Gas Plant
Project Address:

Alexis Johnson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 419317. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 419317 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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Sample Cross Reference 419317



Larson & Associates, Midland, TX

Targa Monument Gas Plant

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
WP-7	W	Jun-08-11 09:40		419317-001
WP-12	W	Jun-08-11 14:25		419317-002
WP-14	W	Jun-08-11 15:15		419317-003
WP-11	W	Jun-08-11 13:55		419317-004
WP-15	W	Jun-08-11 15:50		419317-005
WP-17	W	Jun-08-11 16:20		419317-006
WP-10	W	Jun-08-11 13:25		419317-007
Equip Rinse-01	W	Jun-08-11 17:10		419317-008
WP-13	W	Jun-08-11 11:00		419317-009
WP-1	W	Jun-08-11 11:35		419317-010
WP-6	W	Jun-08-11 10:15		419317-011
WP-5	W	Jun-08-11 15:02		419317-012
WP-18	W	Jun-08-11 16:12		419317-013
WP-4	W	Jun-08-11 16:40		419317-014
WP-4 R	W	Jun-08-11 13:48		419317-015
Trip Blank-02	W	Jun-08-11 00:00		419317-016



CASE NARRATIVE

Client Name: Larson & Associates

Project Name: Targa Monument Gas Plant



Project ID: 2-0108
Work Order Number: 419317

Report Date: 16-JUN-11
Date Received: 06/09/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-859989 Dissolved Metals by SW-846 6010C
SW6010C

Batch 859989, Magnesium recovered below QC limits in the Matrix Spike. Calcium, Potassium, Sodium recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Selenium recovered above QC limits in the Matrix Spike Duplicate.

Samples affected are: 419317-003, -005, -007, -002, -006, -015, -004, -009, -001, -008, -012, -010, -011, -013, -014.

The Laboratory Control Sample for Magnesium, Calcium, Sodium, Selenium, Potassium is within laboratory Control Limits

Batch: LBA-860117 BTEX by EPA 8021B
SW8021BM

Batch 860117, 1,4-Difluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 419317-012.

Batch: LBA-860261 BTEX by EPA 8021B
SW8021BM

Batch 860261, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 419317-010.

1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 419317-010, 419317-015.



Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX

Project Name: Targa Monument Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II



Analysis Requested		Lab Id:	419317-001	419317-002	419317-003	419317-004	419317-005	419317-006
Field Id:	WP-7	WP-12	WP-14	WP-11	WP-15	WP-17		
Depth:								
Matrix:	WATER	WATER	WATER	WATER	WATER	WATER		
Sampled:	Jun-08-11 09:40	Jun-08-11 14:25	Jun-08-11 15:15	Jun-08-11 13:55	Jun-08-11 15:50	Jun-08-11 16:20		
Alkalinity by SM2320B		Extracted:	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00		
Analysed:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Units/RL:	490	1640	1220	1380	1900	1400		
Alkalinity, Total (as CaCO3)	RL	4.00	4.00	4.00	4.00	4.00		
Anions by E300		Extracted:	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39		
Analysed:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Units/RL:	11600	657	4310	401	764	5630		
Chloride	500	25.0	100	25.0	25.0	100		
Sulfate	4800	ND	1390	32.3	67.5	238		
BTEx by EPA 8021B		Extracted:	Jun-13-11 12:00	Jun-13-11 12:00	Jun-13-11 12:00	Jun-13-11 12:00		
Analysed:	Jun-13-11 17:36	Jun-13-11 23:37	Jun-14-11 00:00	Jun-14-11 00:22	Jun-14-11 00:45	Jun-14-11 01:07		
Units/RL:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Benzene	ND	1.76	0.149	0.0200	4.47	1.10		
Toluene	ND	ND	ND	ND	ND	ND		
Ethylbenzene	ND	0.303	ND	0.0200	0.566	0.121		
m_p-Xylenes	ND	ND	ND	ND	ND	ND		
o-Xylene	ND	ND	ND	ND	ND	ND		
Total Xylenes	ND	ND	ND	ND	ND	ND		
Total BTEx	ND	2.06	0.149	0.0200	5.04	1.22		
Dissolved Mercury by SW-846 7470A		Extracted:	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45		
Analysed:	Jun-10-11 10:52	Jun-10-11 10:52	Jun-10-11 10:52	Jun-10-11 10:52	Jun-10-11 10:52	Jun-10-11 10:52		
Units/RL:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Dissolved Mercury	ND	ND	ND	ND	ND	ND		

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX

Project Name: Targa Monument Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:	419317-001	419317-002	419317-003	419317-004	419317-005	419317-006
	Field Id:	WP-7	WP-12	WP-14	WP-11	WP-15	WP-17
	Depth:						
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled:	Jun-08-11 09:40	Jun-08-11 14:25	Jun-08-11 15:15	Jun-08-11 13:55	Jun-08-11 15:50	Jun-08-11 16:20
Dissolved Metals by SW-846 6010C SUB: E87429	Extracted:	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18
	Analyzed:	Jun-13-11 18:49	Jun-13-11 19:04	Jun-13-11 19:06	Jun-13-11 19:09	Jun-13-11 19:11	Jun-13-11 19:13
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Arsenic		0.0666 0.0100	0.107 0.0100	0.0145 0.0100	0.0152 0.0100	0.0142 0.0100	0.0708 0.0100
Barium		0.0529 0.0500	1.01 0.0500	0.0799 0.0500	2.15 0.0500	0.726 0.0500	ND 0.0500
Cadmium		ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Calcium		576 D 100	32.2 5.00	172 5.00	75.9 5.00	61.7 5.00	215 D 100
Chromium		ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500
Lead		0.0103 0.0100	ND 0.0100	ND 0.0100	ND 0.0100	ND 0.0100	0.0124 0.0100
Magnesium		263 D 100	20.7 5.00	90.2 D 20.0	55.1 D 20.0	48.1 D 20.0	246 D 20.0
Potassium		201 5.00	7.19 5.00	56.8 5.00	19.3 5.00	14.2 5.00	24.1 5.00
Selenium		0.0338 0.0100	0.0194 0.0100	0.0307 0.0100	0.0185 0.0100	0.0208 0.0100	0.0151 0.0100
Silver		ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500
Sodium		5730 D 1000	807 D 100	2320 D 1000	500 D 100	633 D 100	1510 D 100
TDS by SM2540C							
	Extracted:	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30
	Analyzed:						
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Total dissolved solids		22200 5.00	2620 5.00	8370 5.00	1840 5.00	2310 5.00	8120 5.00

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX

Project Name: Targa Monument Gas Plant

Project Id: 2-0108
Contact: Alexis Johnson
Project Location:

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II



Analysis Requested		Lab Id:	419317-007	419317-008	419317-009	419317-010	419317-011	419317-012
Field Id:	WP-10	Equip Rinse-01	WP-13	WP-1	WP-6	WP-5		
Depth:								
Matrix:	WATER	WATER	WATER	WATER	WATER	WATER		
Sampled:	Jun-08-11 13:25	Jun-08-11 17:10	Jun-08-11 11:00	Jun-08-11 11:35	Jun-08-11 10:15	Jun-08-11 15:02		
Alkalinity by SM2320B		Extracted:						
Analysed:	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00		
Units/RL:	mg/L RL 4.00	mg/L RL 180	mg/L RL 1300	mg/L RL 1000	mg/L RL 820	mg/L RL 1100		
Alkalinity, Total (as CaCO3)		1800	4.00	4.00	4.00	4.00		
Anions by E300		Extracted:						
Analysed:	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39		
Units/RL:	mg/L RL 449	mg/L RL 2.04	mg/L RL 135	mg/L RL 26.4	mg/L RL 672	mg/L RL 1400		
Chloride	25.0	0.500	12.5	5.00	50.0	50.0		
Sulfate	37.9	0.640	12.5	5.00	50.0	50.0		
BTEX by EPA 8021B		Extracted:						
Analysed:	Jun-13-11 15:45	Jun-13-11 15:45	Jun-14-11 04:30	Jun-14-11 16:45	Jun-14-11 20:27	Jun-13-11 15:45		
Units/RL:	mg/L RL 4.18	mg/L RL ND	mg/L RL 0.0776	mg/L RL 0.0513	mg/L RL 0.00154	mg/L RL 0.832 D		
Benzene	0.0200	0.0010	0.0200	0.0010	0.0010	0.0200		
Toluene	ND	0.0400	ND	0.0400	ND	0.0020		
Ethylbenzene	0.268	0.0200	ND	0.0200	0.0674	0.0010		
m,p-Xylenes	ND	0.0400	ND	0.0400	ND	0.0010		
o-Xylene	ND	0.0200	ND	0.0200	0.00189	0.00155		
Total Xylenes	ND	0.0200	ND	0.0200	0.00189	0.00155		
Total BTEX	4.45	0.0200	ND	0.149	0.121	0.0010		
Dissolved Mercury by SW-846 7470A		Extracted:						
Analysed:	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45		
Units/RL:	mg/L RL ND	mg/L RL ND	mg/L RL ND	mg/L RL ND	mg/L RL ND	mg/L RL ND		
Dissolved Mercury	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025		

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX



Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Project Name: Targa Monument Gas Plant

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	419317-007	419317-008	419317-009	419317-010	419317-011	419317-012
	Field Id:	WP-10	Equip Rinse-01	WP-13	WP-1	WP-6	WP-5
Depth:							
Matrix:		WATER	WATER	WATER	WATER	WATER	WATER
Sampled:		Jun-08-11 13:25	Jun-08-11 17:10	Jun-08-11 11:00	Jun-08-11 11:35	Jun-08-11 10:15	Jun-08-11 15:02
Dissolved Metals by SW-846 6010C SUB: E87429	Extracted:	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18
	Analyzed:	Jun-13-11 19:15	Jun-13-11 19:17	Jun-13-11 19:19	Jun-13-11 19:29	Jun-13-11 19:31	Jun-13-11 19:33
	Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Arsenic		0.0111 0.0100	ND 0.0100	ND 0.0100	0.0192 0.0100	0.0116 0.0100	0.0114 0.0100
Barium		1.85 0.0500	0.0575 0.0500	0.194 0.0500	2.81 0.0500	0.155 0.0500	0.637 0.0500
Cadmium		ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Calcium		79.0 5.00	ND 5.00	179 5.00	86.3 5.00	254 D 100	106 5.00
Chromium		ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500
Lead		ND 0.0100	ND 0.0100	ND 0.0100	ND 0.0100	ND 0.0100	ND 0.0100
Magnesium		55.2 D 20.0	ND 5.00	83.4 D 20.0	45.1 D 20.0	110 D 20.0	63.5 D 20.0
Potassium		17.4 5.00	ND 5.00	7.60 5.00	5.54 5.00	24.4 5.00	42.4 5.00
Selenium		0.0259 0.0100	ND 0.0100	0.0203 0.0100	ND 0.0100	ND 0.0100	0.0151 0.0100
Silver		ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500	ND 0.0500
Sodium		499 D 100	11.6 5.00	183 D 100	51.2 5.00	632 D 100	892 D 100
TDS by SM2540C		Extracted:					
		Analyzed:	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30
		Units/RL:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Total dissolved solids			1930 5.00	ND	1400 5.00	500 5.00	3430 5.00

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Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX

Project Name: Targa Monument Gas Plant

Project Id: 2-0108
Contact: Alexis Johnson
Project Location:

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:	419317-013	419317-014	419317-015	419317-016
	Field Id:	WP-18	WP-4	WP-4 R	Trip Blank-02
	Depth:				
	Matrix:	WATER	WATER	WATER	WATER
	Sampled:	Jun-08-11 16:12	Jun-08-11 16:40	Jun-08-11 13:48	Jun-08-11 00:00
Alkalinity by SM2320B	Extracted:				
	Analyzed:	Jun-10-11 15:00	Jun-10-11 15:00	Jun-10-11 15:00	
	Units/RL:	mg/L RL 2900 4.00	mg/L RL 1060 4.00	mg/L RL 1100 4.00	
Anions by E300	Extracted:				
	Analyzed:	Jun-09-11 15:39	Jun-09-11 15:39	Jun-09-11 15:39	
	Units/RL:	mg/L RL 5320 250	mg/L RL 96.8 12.5	mg/L RL 164 12.5	
Chloride		5320 250	96.8 12.5	164 12.5	
Sulfate		635 250	ND 12.5	122 12.5	
BTX by EPA 8021B	Extracted:				
	Analyzed:	Jun-14-11 16:45	Jun-14-11 16:45	Jun-14-11 16:45	Jun-13-11 15:45
	Units/RL:	mg/L RL 0.112 0.0050	mg/L RL 0.104 0.0050	mg/L RL 0.00473 0.0010	mg/L RL 0.0010
Benzene		0.112 0.0050	0.104 0.0050	0.00473 0.0010	0.0010
Toluene		0.0331 0.0100	0.0108 0.0100	0.0104 0.0020	ND 0.0020
Ethylbenzene		0.0324 0.0050	0.0336 0.0050	0.00800 0.0010	ND 0.0010
m,p-Xylenes		0.0449 0.0100	ND 0.0100	0.0151 0.0020	ND 0.0020
o-Xylene		0.0382 0.0050	ND 0.0050	0.0152 0.0010	ND 0.0010
Total Xylenes		0.0831 0.0050	ND 0.0050	0.0303 0.0010	ND 0.0010
Total BTX		0.261 0.0050	0.148 0.0050	0.0534 0.0010	ND 0.0010
Dissolved Mercury by SW-846 7470A	Extracted:				
	Analyzed:	Jun-10-11 07:45	Jun-10-11 07:45	Jun-10-11 07:45	
	Units/RL:	mg/L RL ND 0.00025	mg/L RL ND 0.00025	mg/L RL ND 0.00025	
Dissolved Mercury		ND 0.00025	ND 0.00025	ND 0.00025	

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Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 419317

Larson & Associates, Midland, TX

Project Name: Targa Monument Gas Plant

Project Id: 2-0108

Contact: Alexis Johnson

Project Location:

Date Received in Lab: Thu Jun-09-11 11:12 am

Report Date: 16-JUN-11

Project Manager: Brent Barron, II



Analysis Requested		Lab Id:	419317-013	419317-014	419317-015	419317-016		
		Field Id:	WP-18	WP-4	WP-4 R	Trip Blank-02		
		Depth:						
		Matrix:	WATER	WATER	WATER	WATER		
		Sampled:	Jun-08-11 16:12	Jun-08-11 16:40	Jun-08-11 13:48	Jun-08-11 00:00		
Dissolved Metals by SW-846 6010C		Extracted:	Jun-13-11 12:18	Jun-13-11 12:18	Jun-13-11 12:18			
SUB: E87429		Analyzed:	Jun-13-11 19:35	Jun-13-11 19:37	Jun-13-11 19:39			
		Units/RL:	mg/L RL	mg/L RL	mg/L RL			
Arsenic			0.0221 0.0100	ND 0.0100	0.0106 0.0100			
Barium			0.821 0.0500	4.05 0.0500	0.782 0.0500			
Cadmium			ND 0.0050	ND 0.0050	ND 0.0050			
Calcium			57.6 5.00	50.7 5.00	66.5 5.00			
Chromium			ND 0.0500	ND 0.0500	ND 0.0500			
Lead			ND 0.0100	ND 0.0100	ND 0.0100			
Magnesium			118 D 20.0	35.0 5.00	30.7 5.00			
Potassium			25.7 5.00	5.67 5.00	6.21 5.00			
Selenium			0.0349 0.0100	ND 0.0100	ND 0.0100			
Silver			ND 0.0500	ND 0.0500	ND 0.0500			
Sodium			3140 D 1000	380 D 100	301 D 100			
TDS by SM2540C		Extracted:						
		Analyzed:	Jun-09-11 16:30	Jun-09-11 16:30	Jun-09-11 16:30			
		Units/RL:	mg/L RL	mg/L RL	mg/L RL			
Total dissolved solids			10800 5.00	1030 5.00	1120 5.00			

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Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- LOD** Limit of Detection
- LOQ** Limit of Quantitation
- DL** Method Detection Limit
- NC** Non-Calculable
- +** Outside XENCO's scope of NELAC Accreditation.

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5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	



Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 859912

Sample: 605027-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 12:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

Lab Batch #: 859912

Sample: 605027-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 13:20

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 859912

Sample: 605027-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 14:28

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 859912

Sample: 419317-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 17:36

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0304	0.0300	101	80-120	

Lab Batch #: 859912

Sample: 419128-001 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 19:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0313	0.0300	104	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 859912

Sample: 419128-001 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 20:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

Lab Batch #: 859912

Sample: 419317-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/13/11 23:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 859912

Sample: 419317-003 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 00:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0302	0.0300	101	80-120	

Lab Batch #: 859912

Sample: 419317-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 00:22

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	
4-Bromofluorobenzene	0.0250	0.0300	83	80-120	

Lab Batch #: 859912

Sample: 419317-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 00:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 859912

Sample: 419317-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 01:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

Lab Batch #: 860117

Sample: 605156-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 02:15

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0319	0.0300	106	80-120	

Lab Batch #: 860117

Sample: 605156-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 02:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0319	0.0300	106	80-120	

Lab Batch #: 860117

Sample: 605156-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 03:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 860117

Sample: 419317-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 04:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0286	0.0300	95	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 860117

Sample: 419317-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 04:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 860117

Sample: 419317-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 04:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0423	0.0300	141	80-120	**
4-Bromofluorobenzene	0.0245	0.0300	82	80-120	

Lab Batch #: 860117

Sample: 419317-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 09:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

Lab Batch #: 860117

Sample: 419317-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 10:08

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0306	0.0300	102	80-120	

Lab Batch #: 860261

Sample: 605266-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 18:12

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0342	0.0300	114	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 860261

Sample: 605266-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 18:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 860261

Sample: 605266-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 19:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

Lab Batch #: 860261

Sample: 419317-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 20:05

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0219	0.0300	73	80-120	**
4-Bromofluorobenzene	0.0230	0.0300	77	80-120	**

Lab Batch #: 860261

Sample: 419317-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 20:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 860261

Sample: 419317-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 20:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0209	0.0300	70	80-120	**
4-Bromofluorobenzene	0.0241	0.0300	80	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Targa Monument Gas Plant

Work Orders : 419317,

Project ID: 2-0108

Lab Batch #: 860261

Sample: 419325-001 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/14/11 23:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0245	0.0300	82	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 860261

Sample: 419325-001 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/15/11 00:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 860261

Sample: 419317-012 / DL

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/15/11 02:27

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 860261

Sample: 419317-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/15/11 02:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0254	0.0300	85	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 860261

Sample: 419317-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 06/15/11 03:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Project ID:

2-0108

Lab Batch #: 859709

Sample: 859709-1-BKS

Matrix: Water

Date Analyzed: 06/10/2011

Date Prepared: 06/10/2011

Analyst: WRU

Reporting Units: mg/L

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

Alkalinity by SM2320B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Alkalinity, Total (as CaCO ₃)	<4.00	200	168	84	80-120	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Project Name: Targa Monument Gas Plant

Work Order #: 419317

Analyst: ASA

Lab Batch ID: 859912

Units: mg/L

Date Prepared: 06/13/2011

Sample: 605027-1-BKS

Batch #: 1

Project ID: 2-0108

Date Analyzed: 06/13/2011

Matrix: Water

Units: mg/L											
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
BTEX by EPA 8021B											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.101	101	0.100	0.0990	99	2	70-125	25	
Toluene	<0.00200	0.100	0.0947	95	0.100	0.0929	93	2	70-125	25	
Ethylbenzene	<0.00100	0.100	0.103	103	0.100	0.101	101	2	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.199	100	0.200	0.197	99	1	70-131	25	
o-Xylene	<0.00100	0.100	0.0979	98	0.100	0.0970	97	1	71-133	25	

Analyst: ASA

Lab Batch ID: 860117

Sample: 605156-1-BKS

Units: mg/L

Date Prepared: 06/13/2011

Batch #: 1

Date Analyzed: 06/14/2011

Matrix: Water

Units: mg/L													
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY													
BTEX by EPA 8021B			Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes													
Benzene			<0.00100	0.100	0.104	104	0.100	0.107	107	3	70-125	25	
Toluene			<0.00200	0.100	0.0962	96	0.100	0.0991	99	3	70-125	25	
Ethylbenzene			<0.00100	0.100	0.105	105	0.100	0.109	109	4	71-129	25	
m,p-Xylenes			<0.00200	0.200	0.202	101	0.200	0.209	105	3	70-131	25	
o-Xylene			<0.00100	0.100	0.101	101	0.100	0.106	106	5	71-133	25	

Relative Percent Difference RPD = $200 \times (C-F) / (C+F)$
Blank Spike Recovery [D] = $100 \times (C) / [B]$
Blank Spike Duplicate Recovery [G] = $100 \times (F) / [E]$
All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Analyst: ASA

Lab Batch ID: 860261

Sample: 605266-1-BKS

Units: mg/L

Date Prepared: 06/14/2011

Batch #: 1

Project ID: 2-0108

Date Analyzed: 06/14/2011

Matrix: Water

Units: mg/L													
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY													
BTEx by EPA 8021B		Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
Analytes													
Benzene		<0.00100	0.100	0.0995	100	0.100	0.0996	100	0	70-125	25		
Toluene		<0.00200	0.100	0.0935	94	0.100	0.0922	92	1	70-125	25		
Ethylbenzene		<0.00100	0.100	0.103	103	0.100	0.101	101	2	71-129	25		
m,p-Xylenes		<0.00200	0.200	0.200	100	0.200	0.195	98	3	70-131	25		
o-Xylene		<0.00100	0.100	0.0998	100	0.100	0.0945	95	5	71-133	25		

Analyst: LATCOR

Lab Batch ID: 859540

Sample: 604817-1-BKS

Units: mg/L

Date Prepared: 06/10/2011

Batch #: 1

Date Analyzed: 06/10/2011

Matrix: Water

Units: mg/L		BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Dissolved Mercury by SW-846 7470A	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag		
Analytes													
Dissolved Mercury	<0.000250	0.00100	0.000910	91	0.00100	0.00100	100	9	75-125	20			

Relative Percent Difference RPD = $200 \cdot ((C-F)/(C+F))$
Blank Spike Recovery [D] = $100 \cdot (C)/[B]$
Blank Spike Duplicate Recovery [G] = $100 \cdot (F)/[E]$
All results are based on MDL and Validated for QC Purposes

Project Name: Targa Monument Gas Plant

Work Order #: 419317

Analyst: 4150

Date Prepared: 06/13/2011

Project ID: 2-0108

Date Analyzed: 06/13/2011

Lab Batch ID: 85989

Sample: 604943-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Dissolved Metals by SW-846 6010C	Blank Sample Result [A]		Spike Added [B]		Blank Spike Result [C]		Blank Spike %R [D]		Spike Added [E]		Blank Spike Duplicate Result [F]		Blk. Spk Dup. %R [G]		RPD %		Control Limits %R		Control Limits %RPD		Flag
	Analyses																				
Arsenic		<0.0100	1.00	0.807	81	1.00	0.830	83	3	80-120	20										
Barium		<0.0500	1.00	0.942	94	1.00	0.942	94	0	80-120	20										
Cadmium		<0.00500	1.00	0.966	97	1.00	0.967	97	0	80-120	20										
Calcium		<5.00	9.00	8.78	98	9.00	8.77	97	0	80-120	20										
Chromium		<0.0500	1.00	0.939	94	1.00	0.934	93	1	80-120	20										
Lead		<0.0100	1.00	0.928	93	1.00	0.930	93	0	80-120	20										
Magnesium		<5.00	9.00	8.80	98	9.00	8.80	98	0	80-120	20										
Potassium		<5.00	18.0	16.1	89	18.0	16.2	90	1	80-120	20										
Selenium		<0.0100	1.00	0.944	94	1.00	0.957	96	1	80-120	20										
Silver		<0.0500	1.00	0.921	92	1.00	0.921	92	0	80-120	20										
Sodium		<5.00	9.00	8.70	97	9.00	9.68	108	11	80-120	20										

Analyst: LATCOR

Date Prepared: 06/09/2011

Date Analyzed: 06/09/2011

Lab Batch ID: 859519

Sample: 859519-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	Blank Sample Result [A]		Spike Added [B]		Blank Spike Result [C]		Blank Spike %R [D]		Spike Added [E]		Blank Spike Duplicate Result [F]		Blk. Spk Dup. %R [G]		RPD %		Control Limits %R		Control Limits %RPD		Flag
	Analyses																				
Chloride		<0.500	10.0	10.3	103	10.0	9.37	94	9	80-120	20										
Sulfate		<0.500	12.0	12.9	108	12.0	11.9	99	8	80-120	20										

Relative Percent Difference RPD = $200 \times (C-F) / (C+F)$

Blank Spike Recovery [D] = $100 \times (C) / [B]$

Blank Spike Duplicate Recovery [G] = $100 \times (F) / [E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Analyst: WRU

Lab Batch ID: 859522

Sample: 859522-1-BKS

Date Prepared: 06/09/2011

Batch #: 1

Project ID: 2-0108

Date Analyzed: 06/09/2011

Matrix: Water

Units: mg/L

Units: mg/L											
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
TDS by SM2540C	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analyses											
Total dissolved solids	<5.00	1000	988	99	1000	916	92	8	80-120	30	

Relative Percent Difference RPD = $200 * ((C-F)/(C+F))$
Blank Spike Recovery [D] = $100 * (C/[B])$
Blank Spike Duplicate Recovery [G] = $100 * (F/[E])$
All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Lab Batch #: 859519

Date Analyzed: 06/09/2011

Date Prepared: 06/09/2011

Project ID: 2-0108

Analyst: LATCOR

QC- Sample ID: 419317-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	11600	10000	22000	104	80-120	
Sulfate	4800	10000	15700	109	80-120	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Targa Monument Gas Plant

Work Order #: 419317

Lab Batch ID: 859912

Date Analyzed: 06/13/2011

Reporting Units: mg/L

Project ID: 2-0108

QC-Sample ID: 419128-001 S

Date Prepared: 06/13/2011

Batch #: 1 Matrix: Water
Analyst: ASA

Reporting Units: mg/L		MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
BTEx by EPA 8021B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
Benzene		<0.00100	0.100	0.102	102	0.100	0.0949	95	7	70-125	25	
Toluene		<0.00200	0.100	0.0957	96	0.100	0.0882	88	8	70-125	25	
Ethylbenzene		<0.00100	0.100	0.104	104	0.100	0.0973	97	7	71-129	25	
m_p-Xylenes		<0.00200	0.200	0.202	101	0.200	0.188	94	7	70-131	25	
o-Xylene		<0.00100	0.100	0.0994	99	0.100	0.0918	92	8	71-133	25	

Lab Batch ID: 860261

Date Analyzed: 06/14/2011

Reporting Units: mg/L

QC-Sample ID: 419325-001 S

Date Prepared: 06/14/2011

Batch #: 1 Matrix: Water
Analyst: ASA

Reporting Units: mg/L		MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
BTEx by EPA 8021B Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene		<0.00100	0.100	0.0919	92	0.100	0.103	103	11	70-125	25	
Toluene		<0.00200	0.100	0.0852	85	0.100	0.0952	95	11	70-125	25	
Ethylbenzene		<0.00100	0.100	0.0943	94	0.100	0.104	104	10	71-129	25	
m,p-Xylenes		<0.00200	0.200	0.171	86	0.200	0.181	91	6	70-131	25	
o-Xylene		<0.00100	0.100	0.0905	91	0.100	0.0976	98	8	71-133	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries

Project Name: Targa Monument Gas Plant

Work Order #: 419317

Project ID: 2-0108

Lab Batch ID: 859540

QC Sample ID: 419317-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/10/2011

Date Prepared: 06/10/2011

Analyst: LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY									
Dissolved Mercury by SW-846 7470A									
Analytes									
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD
<0.000250	0.00100	0.00109	109	0.00100	0.00109	109	0	75-125	20

Lab Batch ID: 859989

QC Sample ID: 419317-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/13/2011

Date Prepared: 06/13/2011

Analyst: 4150

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY									
Dissolved Metals by SW-846 6010C									
Analytes									
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD
Arsenic	1.00	1.15	108	1.00	1.18	111	3	80-120	20
Barium	1.00	0.883	83	1.00	0.910	86	3	80-120	20
Cadmium	1.00	0.886	89	1.00	0.913	91	3	80-120	20
Calcium	576	581	56	9.00	578	22	1	80-120	20
Chromium	1.00	0.886	89	1.00	0.915	92	3	80-120	20
Lead	0.0103	0.832	82	1.00	0.861	85	3	80-120	20
Magnesium	263	270	78	9.00	271	89	0	80-120	20
Potassium	201	206	28	18.0	207	33	0	80-120	20
Selenium	0.0338	1.21	118	1.00	1.24	121	2	80-120	20
Silver	<0.0500	1.10	110	1.00	1.12	112	2	80-120	20
Sodium	5730	5730	0	9.00	5730	0	0	80-120	20

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (C-F)/(C+F)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = Sec Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Lab Batch #: 859709

Project ID: 2-0108

Date Analyzed: 06/10/2011 15:00

Date Prepared: 06/10/2011

Analyst: WRU

QC- Sample ID: 419317-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

Alkalinity by SM2320B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Alkalinity, Total (as CaCO ₃)	490	480	2	20	

Lab Batch #: 859519

Date Analyzed: 06/09/2011 15:39

Date Prepared: 06/09/2011

Analyst: LATCOR

QC- Sample ID: 419317-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	11600	11700	1	20	
Sulfate	4800	4760	1	20	

Lab Batch #: 859989

Date Analyzed: 06/13/2011 18:51

Date Prepared: 06/13/2011

Analyst: 4150

QC- Sample ID: 419317-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

Dissolved Metals by SW-846 6010C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Arsenic	0.0666	0.0390	52	20	F
Barium	0.0529	0.0514	3	20	
Cadmium	<0.00500	<0.00500	0	20	
Calcium	576	580	1	20	
Chromium	<0.0500	<0.0500	0	20	
Lead	0.0103	0.0140	30	20	F
Magnesium	263	268	2	20	
Potassium	201	197	2	20	
Selenium	0.0338	0.0246	32	20	F
Silver	<0.0500	<0.0500	0	20	
Sodium	5730	5730	0	20	

Spike Relative Difference $RPD = 200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: Targa Monument Gas Plant

Work Order #: 419317

Lab Batch #: 859522

Project ID: 2-0108

Date Analyzed: 06/09/2011 16:30

Date Prepared: 06/09/2011

Analyst: WRU

QC- Sample ID: 419317-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
TDS by SM2540C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Total dissolved solids	22200	23100	4	30	

Spike Relative Difference $RPD = 200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

CHAIN-OF-CUSTODY

DATE: 6-9-11 PAGE 1 OF 2
 PO #: 419317 LAB WORK ORDER #: 419317
 PROJECT LOCATION OR NAME: 10000 Monument Gas Plant
 LAI PROJECT #: 2-0168 COLLECTOR: Agony

LA arson & associates, Inc.
 Environmental Consultants
 507 N. Marienfeld, Ste. 200
 Midland, TX 79701
 432-687-0901

Data Reported to:

TIME ZONE: Time zone/State: <u>MST/NA</u>	TRRP report? ☐ Yes ☒ No	S=SOIL W=WATER A=AIR	P=PAINT SL=SLUDGE OT=OTHER	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES
									HCl	HNO ₃	H ₂ SO ₄ □ NaOH	ICE	
WP-7		01		6/8/11	9:40	W	15						
WP-12		02		6/8/11	14:25	W	5						
WP-14		03		6/8/11	15:15	W	5						
WP-11		04		6/8/11	13:55	W	5						
WP-15		05		6/8/11	15:50	W	5						
WP-17		06		6/8/11	16:20	W	5						
WP-10		07		6/8/11	13:25	W	5						
WP-13		08		6/8/11	17:10	W	5						
WP-1		09		6/8/11	11:00	W	5						
WP-6		10		6/8/11	11:35	W	5						
WP-5		11		6/8/11	10:15	W	5						
WP-18		12		6/8/11	3:02	W	5						
WP-18		13		6/8/11	4:12	W	5						
WP-4		14		6/8/11	4:40	W	5						
WP-4R		15		6/8/11	1:48	W	5						
TOTAL							85						

RELINQUISHED BY: (Signature) Agony DATE/TIME 6/8/11 11:12
 RELINQUISHED BY: (Signature) Andrew Elam DATE/TIME 6/8/11 11:12
 RECEIVED BY: (Signature) _____ DATE/TIME _____
 RECEIVED BY: (Signature) _____ DATE/TIME _____

LABORATORY USE ONLY:
 RECEIVING TEMP: 31 THERM #: _____
 CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

CHAIN-OF-CUSTODY

[illegible]

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Larson & Assoc.
Date/Time: 6-9-11 11:12
Lab ID #: 419317
Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<u>Yes</u>	No	N/A	<u>Xenon Atlanta</u>
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.1</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1 a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis