February 16, 2018

Mr. Chris Holmes
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505

Re: First Quarterly Groundwater Monitoring Report
Atex 394(Allsup ~~Allsups 294~~, 615 North Grand Avenue, Las Vegas, New Mexico
Facility #26519, Release ID #817, WPID #3937

Dear Mr. Holmes:

Enclosed is the report summarizing groundwater monitoring conducted at the above-referenced site on January 4, 2018. All activities were completed in accordance with work plan identification (WPID) #3937, approved by the New Mexico Environment Department Petroleum Storage Tank Bureau on November 22, 2017.

DBS&A will be invoicing the full approved amount of $4,515.81 (including 7.50% NMGRT) for Deliverable ID 3937-1. Please do not hesitate to call me at (505) 353-9130 if you have any questions or require additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

Michael D. McVey, P.G.
Senior Hydrogeologist

MDM/ed

Daniel B. Stephens & Associates, Inc.
6020 Academy NE, Suite 100 505-822-9400
Albuquerque, NM 87109 FAX 505-822-8877

COVER PAGE
FORM 1216
FIRST QUARTER GROUNDWATER MONITORING REPORT

1. **Site name:** Allsups 294

2. **Responsible party:** State Lead

3. **Responsible party mailing address** (list contact person if different):

Mr. Chris Holmes, NMED PSTB District 2

2905 Rodeo Park Drive East, Building 1

Santa Fe, New Mexico 87505

4. **Facility number:** 26519 (Release ID #: 817)

5. **Address/legal description:**

615 North Grand Avenue

Las Vegas, New Mexico 87701

6. **Author/consulting company:** Daniel B. Stephens & Associates, Inc.

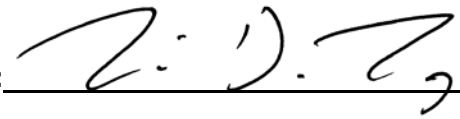
7. **Date of report:** February 16, 2018

8. **Date of confirmation of release or date USTB was notified of the release:**

June 4, 1993

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature: 

Authorized Representative: Michael D. McVey, P.G.

Affiliation: Daniel B. Stephens & Associates, Inc.

Title: Senior Hydrogeologist

Date: February 16, 2018

I. INTRODUCTION

Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this groundwater monitoring report in accordance with New Mexico Petroleum Storage Tank Regulations and work plan identification (WPID) #3937. The site is located at 615 North Grand Avenue in Las Vegas, New Mexico (Figure 1). The Allsups 294 operated as a convenience store with retail fuel sales until approximately November 2012. In November 2012, the underground storage tanks (USTs) were removed. The Allsups store has been closed and the building is currently occupied by a pharmacy.

Investigation and groundwater monitoring activities have been ongoing at the Allsups 294 site under a number of different consultants since the early 1990s. Previous reports from these consultants indicate that an unknown quantity of unleaded gasoline was released at the site.

Groundwater monitoring was conducted at Ross Texaco, Allsups 294, and Pino's Fina by Haller & Associates, Inc. (HAI) under a series of work plans in 2004 and 2005. The last monitoring completed by HAI was in September 2005 (HAI, 2005). Monitoring activities included gauging fluid levels, collecting groundwater samples for laboratory analysis, and hand-bailing wells containing measurable thicknesses of nonaqueous-phase liquid (NAPL). Results from the September 2005 monitoring showed NAPL in three wells (Ross Texaco wells MW-4 and MW-12, and Allsups 294 well MWAL-2). HAI indicated in the 2005 monitoring report that the areal extent of the dissolved-phase plume was shrinking slightly based on site-wide, long-term concentration trends in Ross Texaco wells MW-11, MW-13, MW-15, MW-20, MW-21, and MW-23.

DBS&A completed a baseline groundwater monitoring event at the site in August 2011 under a new state lead contract. NAPL was detected in one of the one site monitor well, MWAL-2, at a thickness of 0.23 foot. A minimal amount of NAPL (0.02 gallons) was recovered from the well. Analytical results from the groundwater sample collected from the other site monitor well, MWAL-1, did not show any contaminants of concern (COCs) to be present at concentrations above the laboratory reporting limits with the exception of methyl tertiary-butyl ether (MTBE), which was present at a concentration of 1.0 micrograms per liter (µg/L) (DBS&A, 2011).

On February 9, 2012, DBS&A submitted a work plan to the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) for semiannual NAPL recovery and annual groundwater monitoring. The second semiannual NAPL recovery and annual groundwater monitoring event was completed in October 2012. NAPL was detected in monitor well MWAL-2 (0.43 foot). A total of approximately 0.20 gallons of NAPL was recovered from the well. A groundwater sample was collected from monitor well MWAL-1 for laboratory analysis in accordance with the work plan. No COCs were detected at concentrations above applicable standards in the well (DBS&A, 2012).

On April 22, 2013, DBS&A submitted a work plan to the NMED PSTB for semiannual NAPL recovery and annual groundwater monitoring. The second semiannual NAPL recovery and annual groundwater monitoring event was completed in July 2013. Groundwater samples were collected from monitor wells MWAL-1, MW-9, and MW-16 for laboratory analysis. No COCs were detected at concentrations above applicable standards in monitor wells MWAL-1 and MW-16. The benzene concentration remained above the New Mexico Water Quality Control Commission (NMWQCC) standard in MW-9 (DBS&A, 2013).

I. INTRODUCTION (Continued)

One new replacement well, designated MWAL-2R, was installed at the site by DBS&A in March 2014 (DBS&A, 2014a). The well was installed as a replacement for MWAL-2, which was destroyed during removal of the USTs in November 2012. A photoionization detector (PID) reading of 1,439 parts per million by volume (ppmv), above the NMED PSTB action level of 100 ppmv, was recorded in the soil boring at the water table interface. Soil analytical results showed benzene, MTBE, and total naphthalenes to be present at concentrations above the Tier 1 Risk-Based Screening Level (RBSL) in the sample collected from the water table interface.

Groundwater samples were collected from the three existing site wells (MW-9, MW-16, and MWAL-1) and from the newly installed well, MWAL-2R. Benzene was detected at concentrations above the NMWQCC standard in monitor wells MW-9 (28 µg/L) and MWAL-2R (140 µg/L). No other COCs were detected at concentrations above the applicable standards (DBS&A, 2014a).

DBS&A submitted a work plan for semiannual NAPL recovery and groundwater monitoring to the NMED PSTB on November 14, 2014 under a new state lead contract (DBS&A, 2014b). The work plan was approved on December 23, 2014 under WPID #3811 (NMED, 2014). The first semiannual NAPL recovery and groundwater monitoring event was completed in February 2015, and the second semiannual NAPL recovery and groundwater monitoring event was completed in July 2015 (DBS&A, 2015a, 2015b).

DBS&A submitted a work plan for semiannual NAPL recovery and annual groundwater monitoring to the NMED PSTB on October 5, 2015 under an existing state lead contract (DBS&A, 2015c). The work plan was approved on April 21, 2016 under WPID #3857 (NMED, 2016). The first semiannual NAPL check/recovery event was completed at the site in July 2016 (DBS&A, 2016) and the second semiannual NAPL recovery and annual groundwater monitoring event was completed in January 2017 (DBS&A, 2017a).

DBS&A submitted a work plan for semiannual groundwater monitoring and NAPL recovery to the NMED PSTB on August 17, 2017 under an existing state lead contract (DBS&A, 2017b). The work plan was approved with a change from semiannual groundwater monitoring to two quarterly groundwater monitoring events on November 22, 2017 under WPID #3937 (NMED, 2017).

This report documents first quarter groundwater monitoring conducted at the site by DBS&A on January 4, 2018.

A. Scope of Work

The scope of work for quarterly groundwater monitoring included (1) NAPL recovery from any monitor well(s) containing an initial NAPL thickness greater than ⅛ inch (0.01 foot) and (2) groundwater monitoring consisting of gauging water levels in all accessible monitor wells associated with the site and collecting groundwater samples from up to four wells for laboratory analysis. Groundwater samples are analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) method 8260B (full list).

I. INTRODUCTION (Continued)

B. Highlights

The principal accomplishments of this reporting period include the following:

• Gauged water levels in 4 monitor wells, including MW-9, MW-16, MWAL-1, and MWAL-2R	January 4, 2018
• Collected groundwater samples for laboratory analysis from 4 monitor wells, including MW-9, MW-16, MWAL-1, and MWAL-2R	January 4, 2018
• Prepared Form 1216 quarterly groundwater monitoring report	February 2018

All monitoring activities were completed in accordance with the approved work plan.

II. ACTIVITIES PERFORMED DURING THIS MONITORING EVENT

A. Remediation System

A remediation system has not been installed or operated at the Allsups 294 site.

B. System Operation

A remediation system has not installed or operated at the Allsups 294 site.

C. Monitoring Activities

Historically, the "Ross Texaco State Lead Site" included Ross Texaco, Pino's Fina, and Allsups 294. Under the 2010 state lead monitoring contract, Ross Texaco, Pino's Fina, and Allsups 294 were separated into individual sites. Although the three sites are now separate, one potentiometric surface elevation map has been produced to include the data collected from all three sites due to their close proximity to each other. In addition, rather than producing individual tables for each site, the latest fluid level data, organic and inorganic analytical chemistry data, and NAPL recovery data from the three sites have been reported on one set of tables. Finally, contamination associated with the three sites and the extent of the comingled dissolved-phase plume is discussed in Section E, Containment of Release. Other sections of this report deal only with the Allsups 294 State Lead Site.

Groundwater Monitoring

On January 4, 2018, depth to water was measured with an electronic interface probe in Allsups 294 monitor wells MW-9, MW-16, MWAL-1, and MWAL-2R (Figure 1). On January 4 and 5, 2018, monitor wells associated with the Pino's Fina and Ross Texaco sites were also gauged under different work plans. Table 1 provides a summary of water level measurements and potentiometric surface elevations from this and previous monitoring events for wells associated with all three sites. Water level data were used to prepare a potentiometric surface map for the area (Figure 2).

Groundwater samples were collected for laboratory analysis from monitor wells MW-9, MW-16, MWAL-1, and MWAL-2R after purging on January 4, 2018 in accordance with the work plan. DBS&A followed standard operating procedures and the NMED Underground Storage Tank Bureau *Guidelines for Corrective Action* (NMED, 2000) during collection of all groundwater samples. The sampling protocol is outlined in Appendix 1. Dissolved oxygen (DO), oxidation/reduction potential (ORP), pH, specific conductivity, and temperature were measured in the field during purging using a YSI 556 Multiprobe System (MPS) meter and recorded in the field notes (Appendix 2).

Samples were analyzed for the constituents specified in the scope of work. All laboratory analyses were performed by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. Groundwater analytical organic and inorganic chemistry data from this and previous monitoring events are summarized in Tables 2 and 3, respectively. The laboratory report, including chain of custody documentation, is provided as Appendix 3. Figure 3 shows the distribution of dissolved-phase hydrocarbon concentrations in groundwater for wells associated with Allsups 294 for the current monitoring event.

II. ACTIVITIES PERFORMED DURING THIS MONITORING EVENT (Continued)

NAPL Recovery

NAPL was not detected in any of the Allsups 294 monitor wells during the current monitoring event. Historically, monitor well MWAL-2 contained NAPL prior to it being destroyed during removal of the USTs in November 2012. The replacement well, MWAL-2R, has not contained NAPL since its installation in March 2014.

Table 4 presents a summary of cumulative NAPL recovery from monitor wells associated with the Ross Texaco, Pino's Fina, and Allsups 294 sites. To date, approximately 7.73 gallons of NAPL has been recovered from wells associated with the three sites.

D. System Performance and Effectiveness

A remediation system has not been installed or operated at the Allsups 294 site.

E. Containment of Release

COCs were detected at concentrations above applicable NMWQCC standards in the following monitor wells:

Ross Texaco

- MW-1 (benzene, ethylbenzene, and total naphthalenes)
- MW-10 (benzene and total naphthalenes)
- MW-12 (benzene, total xylenes, and total naphthalenes)

Allsups 294

- MW-9 (benzene and total naphthalenes)
- MWAL-2R (benzene)

Pino's Fina

- PF-1 (benzene, ethylbenzene, total xylenes, and total naphthalenes)

COC concentrations in the other 14 monitor wells associated with the three sites were below applicable standards or laboratory reporting limits.

Figures 4 through 7 show the extent of actionable dissolved-phase benzene, ethylbenzene, total xylenes, and total naphthalenes for the current monitoring event. The actionable dissolved-phase benzene and total naphthalene plumes are laterally extensive, incorporating wells associated with all three sites (Figures 4 and 7). Two separate total xylenes plumes are present centered on well PF-1 on the Pino's Fina site and MW-12 on the New Mexico Department of Transportation (NMDOT) property, which is part of the Ross Texaco site (Figure 6). The actionable ethylbenzene plume is more localized and incorporates only two wells, Pino's Fina well PF-1 and Ross Texaco well MW-1 (Figure 5). The extent of dissolved-phase contamination is currently well defined by the existing monitor well network.

III. SUMMARY AND CONCLUSIONS

A. Trends or Changes in Site Conditions

Groundwater levels decreased an average of 0.72 foot in the Allsups 294 site wells since the last monitoring event in January 2017 (Table 1). Decreases ranged from 1.42 feet in MWAL-1 to 0.4 foot in MW-16. A graph showing changes in groundwater elevations in Allsups 294 monitor wells over time is provided in Appendix 4. The direction of groundwater flow in the vicinity of the intersection of University Avenue and Grand Avenue is to the southeast at an average gradient of approximately 0.01 foot per foot (ft/ft), increasing slightly since the last monitoring event (Figure 2). The gradient and flow direction have been similar since at least 2011.

Graphs showing historical trends in monitor well contaminant concentrations are included in Appendix 4. Historical groundwater analytical organic chemistry data for wells associated with the Allsups 294 site are summarized in Table 2. The following trends or changes regarding specific wells were noted since the last monitoring event in January 2017:

- MWAL-1: COC concentrations have been below applicable standards or laboratory reporting limits since the well was first sampled in March 1996.

- MWAL-2R: Benzene and total naphthalene concentrations continue to fluctuate since the well was installed in March 2014. The benzene concentration has ranged from 27 to 330 µg/L, and currently continues to exceed the standard at 31 µg/L. The total naphthalenes concentration has ranged from <10 to 73 µg/L, and currently is below the standard at 3.7 µg/L. All other COC concentrations remained below applicable standards or laboratory reporting limits.

- MW-9: Benzene and total naphthalene concentrations continue to fluctuate in the well; however, the concentrations remain one to two orders of magnitude below historical highs. Since the last monitoring event, the benzene concentration decreased from 100 to 31 µg/L and the total naphthalenes concentration decreased from 158 to 105 µg/L. Both concentrations continue to exceed their respective standards. All other COC concentrations remained below applicable standards or laboratory reporting limits.

- MW-16: COC concentrations have been below applicable standards or laboratory reporting limits since the well was first sampled in March 1996.

B. Assessment of Remediation System

A remediation system has not been installed or operated at Allsups 294.

C. Recommendations

An overall decrease in the concentrations of COCs was noted in the Allsups 294 site wells since the last monitoring event in January 2017. DBS&A recommends that groundwater monitoring continue at the site to monitor trends in contaminant concentrations in existing site wells. Monitor wells MW-9 and MWAL-2R contained actionable concentrations of COCs during this monitoring event.

III. SUMMARY AND CONCLUSIONS (Continued)

NAPL has not been detected in MWAL-2R during the five monitoring events completed since its installation in March 2014, but the well should continue to be monitored for the presence of NAPL with fluctuating seasonal groundwater elevation changes, which have been documented at the site.

REFERENCES

Daniel B. Stephens & Associates (DBS&A). 2011. *Groundwater monitoring report, Allsups 294 UST Site, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. September 30, 2011.

DBS&A. 2012. *Semiannual NAPL recovery and annual groundwater monitoring report, Allsups 294, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. December 20, 2012.

DBS&A. 2013. *Semiannual NAPL recovery and annual groundwater monitoring report, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. August 12, 2013.

DBS&A. 2014a. *Monitor well installation and groundwater monitoring report, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. May 29, 2014.

DBS&A. 2014b. Work plan for semiannual NAPL recovery and groundwater monitoring, Allsups 294, 615 N. Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. November 14, 2014.

DBS&A. 2015a. *First semiannual groundwater monitoring report, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. March 16, 2015.

DBS&A. 2015b. *Second semiannual groundwater monitoring report, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico*. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. August 14, 2015.

DBS&A. 2015c. Work plan for semiannual NAPL recovery and annual groundwater monitoring, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. October 5, 2015.

DBS&A. 2016. First semiannual NAPL check/recovery event, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. July 22, 2016.

DBS&A. 2017a. Second semiannual NAPL recovery and annual groundwater monitoring report, Allsups 294 State Lead Site, 615 North Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. February 24, 2017.

DBS&A. 2017b. Work plan for semiannual groundwater monitoring and NAPL recovery, Allsups 294, 615 North Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. August 17, 2017.

REFERENCES (Continued)

Haller & Associates, Inc. (HAI). 2005. *Quarterly groundwater monitoring report, Ross Texaco, Las Vegas, New Mexico*. Submitted to New Mexico Petroleum Storage Tank Bureau, Santa Fe, New Mexico. October 6, 2005.

New Mexico Environment Department (NMED). 2000. *Guidelines for corrective action.* Underground Storage Tank Bureau, Santa Fe, New Mexico. March 13, 2000.

NMED. 2014. Letter from Lorena Goerger to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding continued Phase 5 fixed-price State Lead workplan approval for the Allsups 294 - Atex 394 Site, 615 North Grand Avenue, Las Vegas, New Mexico. December 23, 2014.

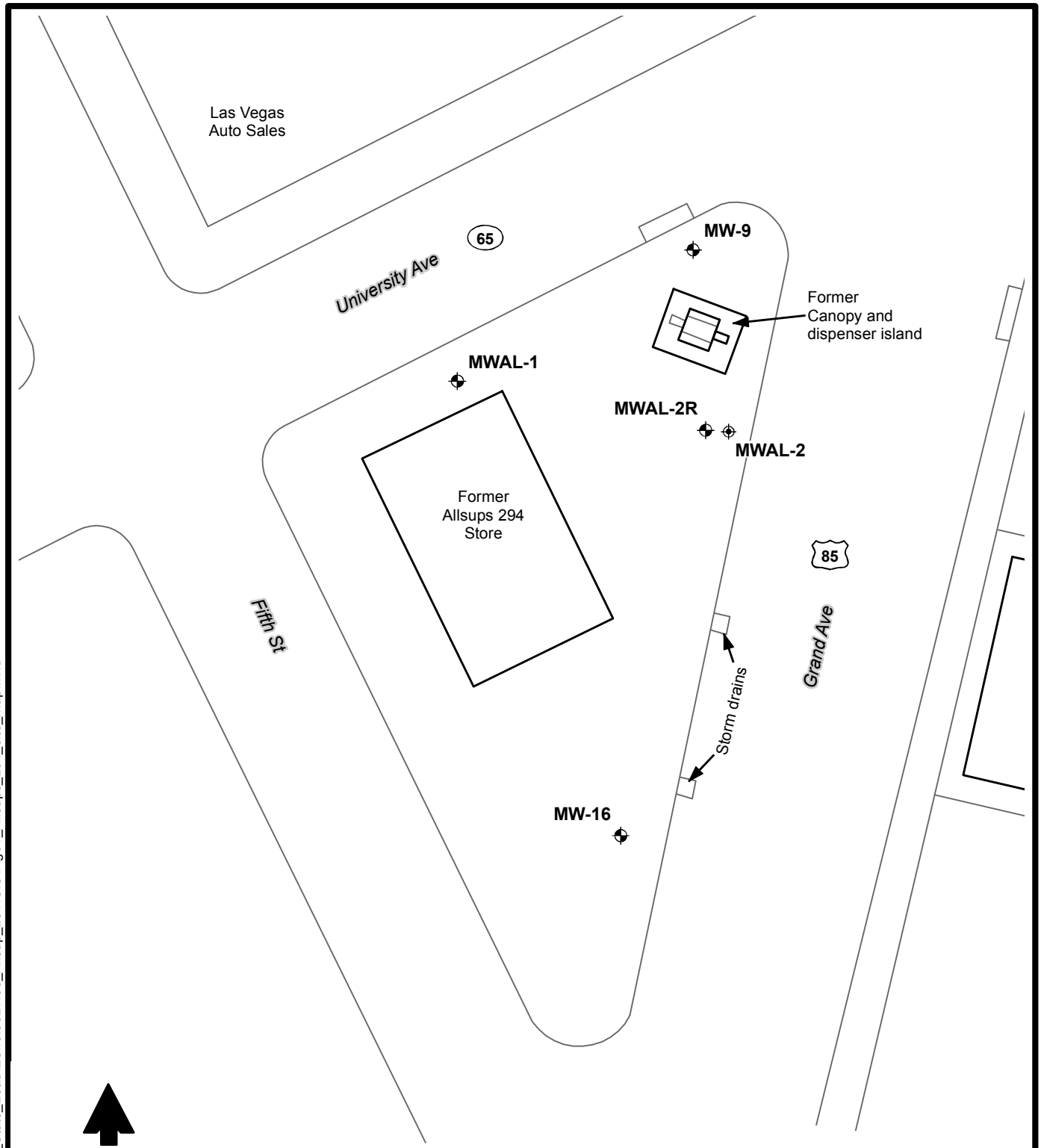
NMED. 2016. Letter from Lorena Goerger to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding continued Phase 1 fixed-price state lead workplan approval for the Allsups 294 - Atex 394 Site, 615 North Grand Avenue, Las Vegas, New Mexico. April 21, 2016.

NMED. 2017. Letter from Dana Bahar to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding continued Phase 1 fixed-price workplan approval for the Atex 394 (Allsups 294) Site, 615 North Grand Avenue, Las Vegas, New Mexico. November 22, 2017.

Figures

Site Name: Allsups 294
PSTB Facility #: 26519
Date: February 16, 2018

LIST OF FIGURES



Source: Haller & Associates, Inc., October 6, 2005

Explanation

- Monitor well
- Monitor well - destroyed

ALLSUPS 294
LAS VEGAS, NEW MEXICO
Site Map

Daniel B. Stephens & Associates, Inc.
2/15/2017
JN ES10.0027.05
Figure 1

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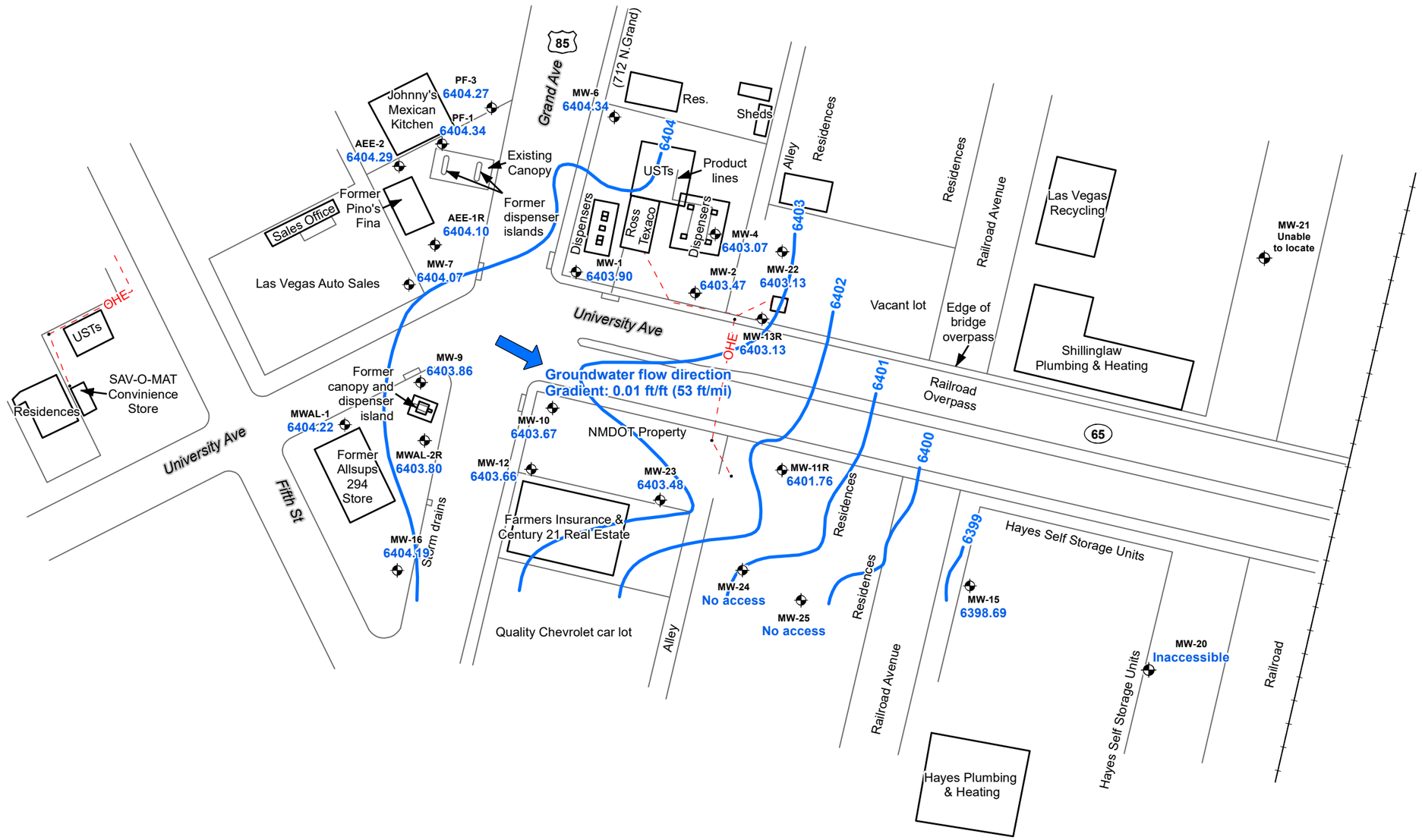

Explanation

- Monitor well
- Potentiometric surface elevation contour (ft msl)
- **MW-15** Monitor well designation
  6398.69 Potentiometric surface elevation (ft msl)
- Groundwater flow direction

Source: Haller & Associates, Inc., October 6, 2005

Notes:
1. MW = Ross Texaco monitor well
2. MWAL = Allsup's monitor well
3. PF = Pino's Fina monitor well
4. AEE = Pino's Fina monitor well installed by AE&E

Daniel B. Stephens & Associates, Inc.
2/8/2018 JN ES14.0052.06

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294
LAS VEGAS, NEW MEXICO
Potentiometric Surface Elevations
January 4 and 5, 2018

Figure 2

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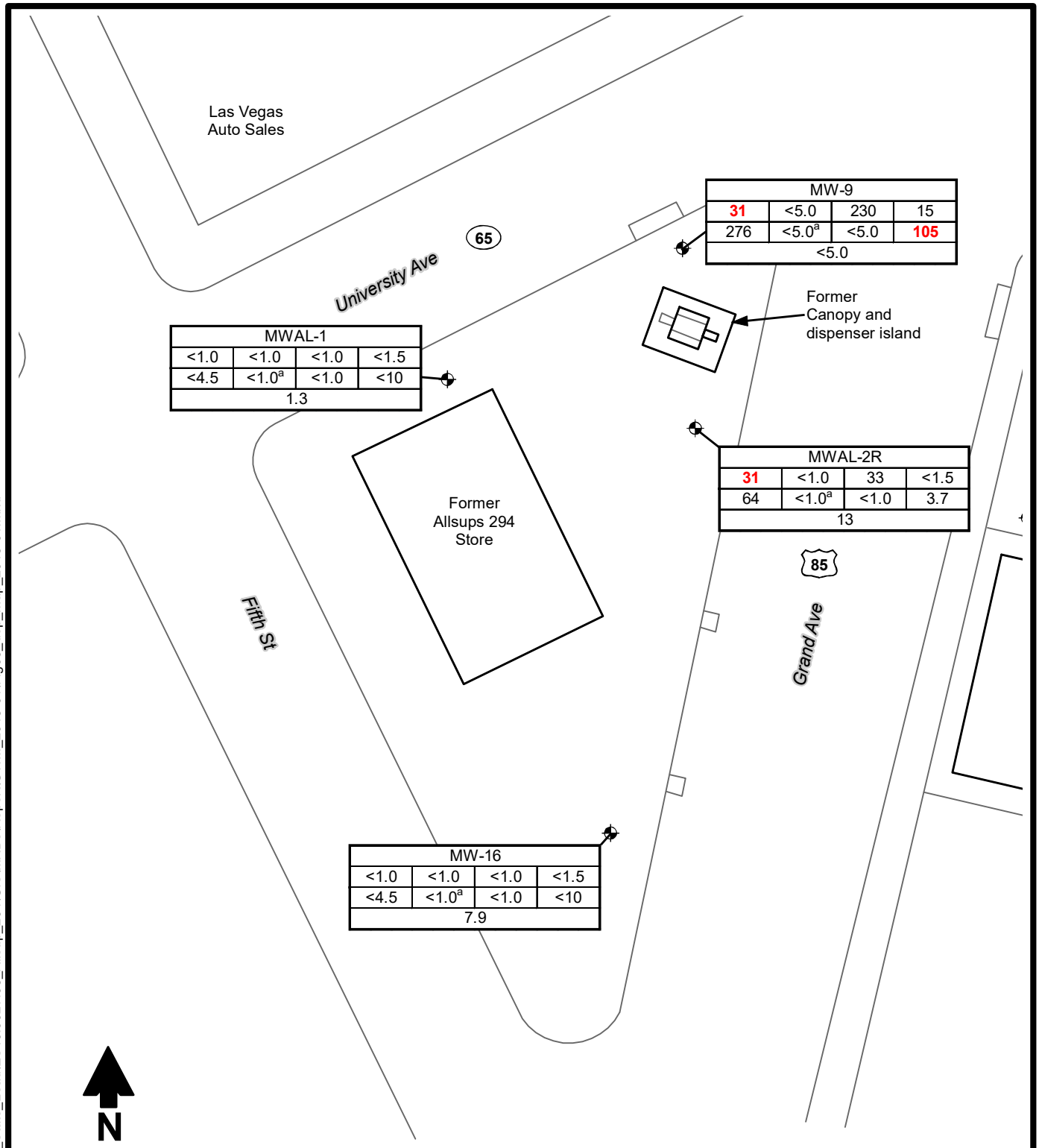

Source: Haller & Associates, Inc., October 6, 2005

Location Designation			
Benzene	Toluene	Ethylbenzene	Total Xylenes
BTEX	EDB	EDC	Total Naphthalenes
MTBE			

Notes:
1. All concentrations reported in µg/L.
2. [a] Laboratory reporting limit is equal to or above the NMWQCC standard.
3. **Bold** indicates concentrations that exceed the applicable standard.

Explanation

Monitor well

ALLSUPS 294
LAS VEGAS, NEW MEXICO

Distribution of Dissolved-Phase Contaminants
January 4, 2018

Daniel B. Stephens & Associates, Inc.
2/9/2018 JN ES14.0052.07

Figure 3

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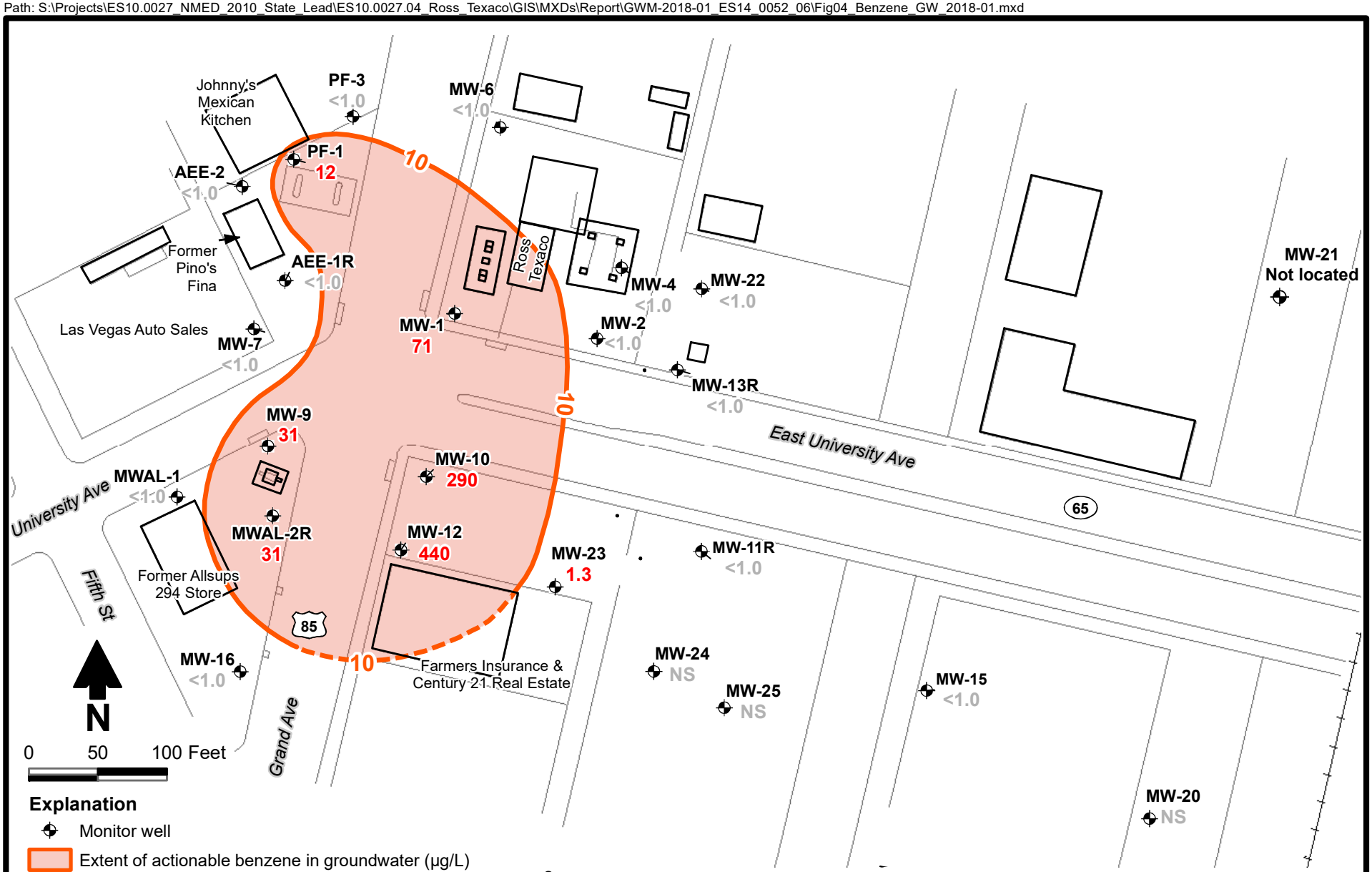

Explanation

- Monitor well
- Extent of actionable benzene in groundwater (µg/L) (dashed where inferred)
- **MW-1** Monitor well designation
- **71** Benzene concentration (µg/L)

Source:
Basemap from Haller & Assoc., Inc., October 6, 2005

Notes:
1. NS = Well not sampled
2. Gray shading indicates concentration is below laboratory reporting limits.

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294
LAS VEGAS, NEW MEXICO

Benzene in Groundwater
January 4 and 5, 2018

Figure 4

Daniel B. Stephens & Associates, Inc.
2/9/2018
JN ES14.0052.06

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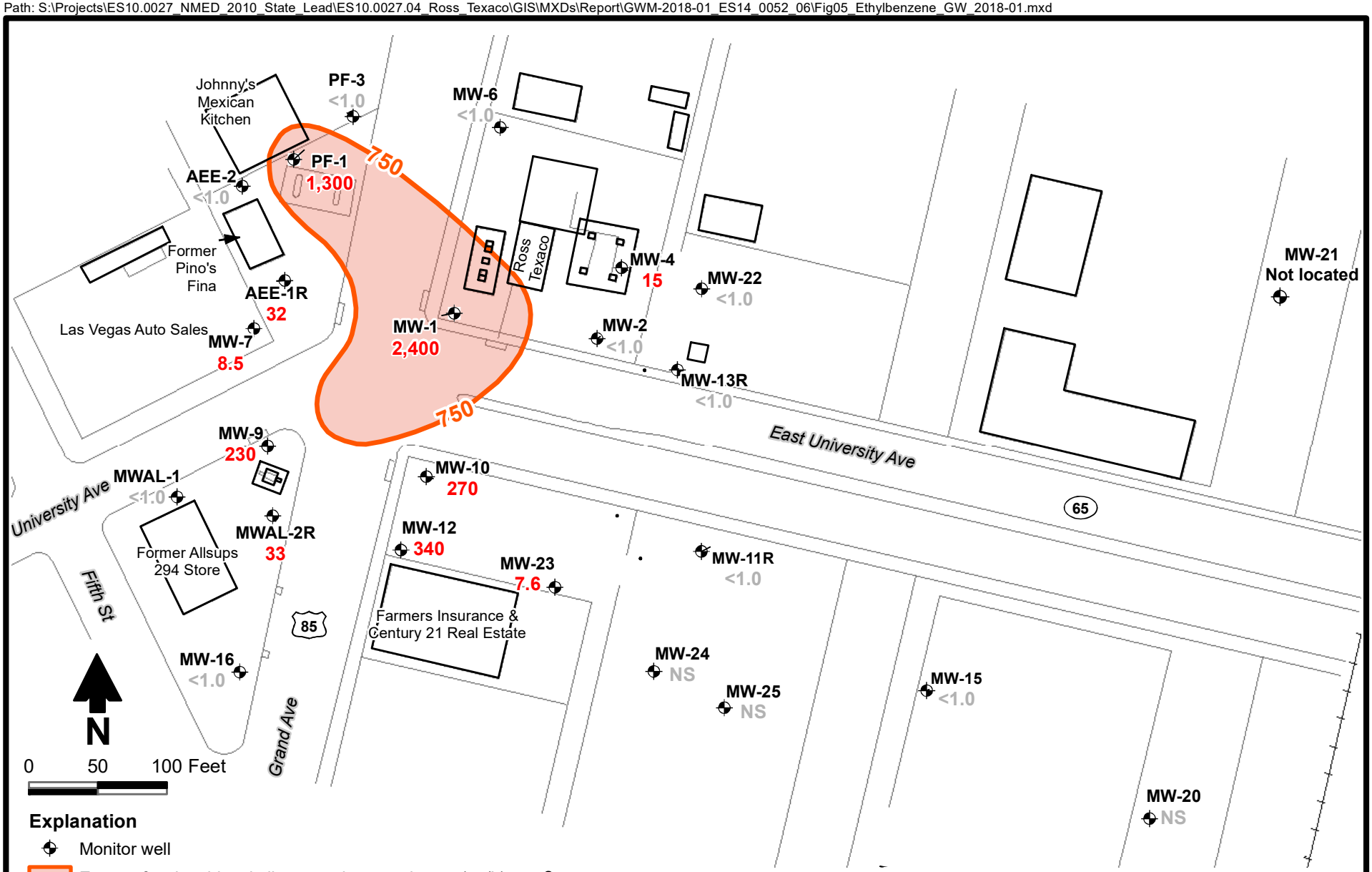

Explanation

- Monitor well
- Extent of actionable ethylbenzene in groundwater (µg/L)
- **MW-1** Monitor well designation
- **2,400** Ethylbenzene concentration (µg/L)

Source:
Basemap from Haller & Assoc., Inc., October 6, 2005

Notes:
1. NS = Well not sampled
2. Gray shading indicates concentration is below laboratory reporting limits.

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294
LAS VEGAS, NEW MEXICO

Ethylbenzene in Groundwater
January 4 and 5, 2018

Figure 5

Daniel B. Stephens & Associates, Inc.
2/9/2018 JN ES14.0052.06

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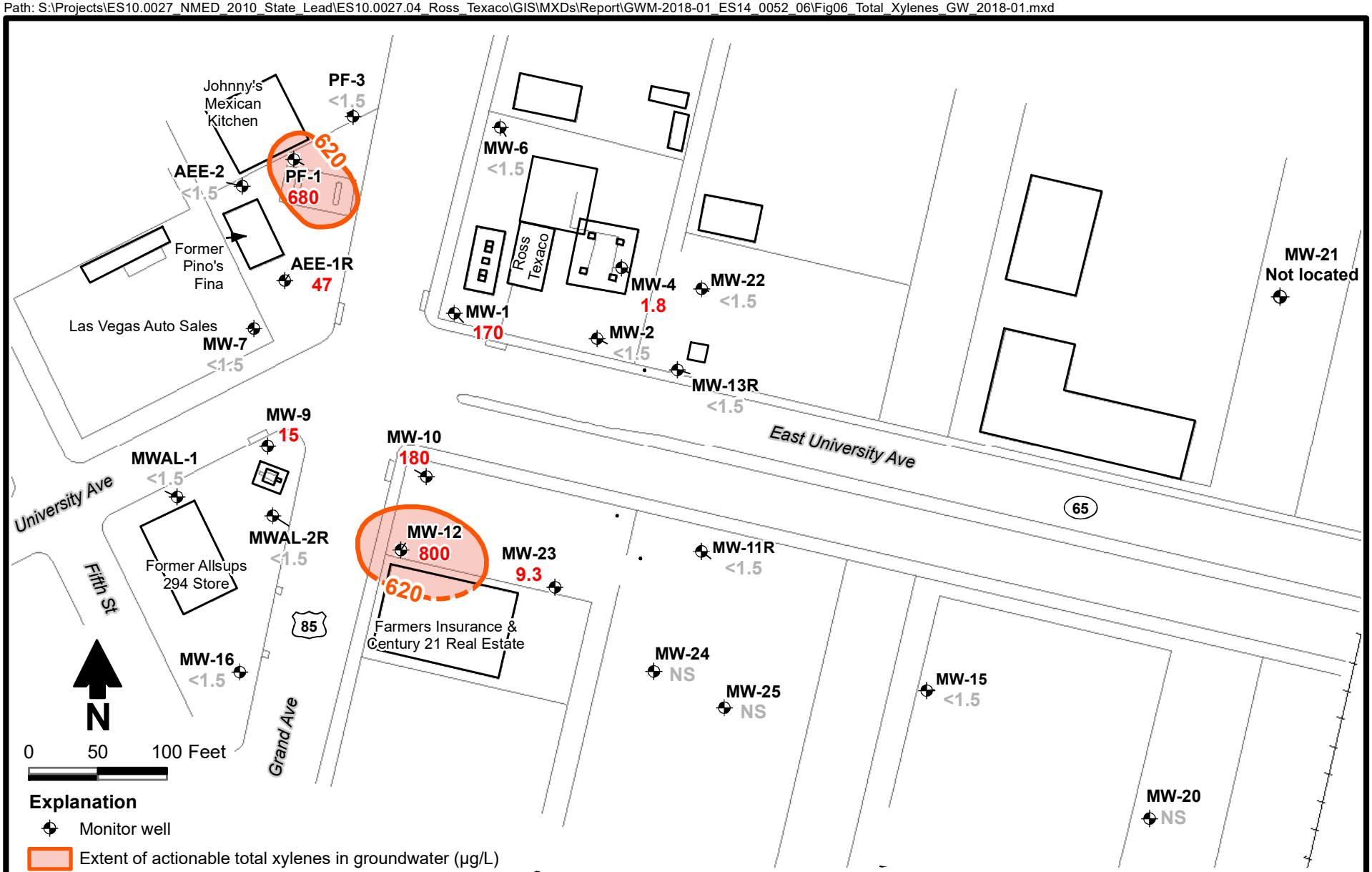

Explanation

- Monitor well
- Extent of actionable total xylenes in groundwater (µg/L) (dashed where inferred)
- **MW-1** Monitor well designation
- **170** Total xylenes concentration (µg/L)

Source:
Basemap from Haller & Assoc., Inc., October 6, 2005

Notes:
1. NS = Well not sampled
2. Gray shading indicates concentration is below laboratory reporting limits.

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294
LAS VEGAS, NEW MEXICO

Total Xylenes in Groundwater
January 4 and 5, 2018

Figure 6

Daniel B. Stephens & Associates, Inc.
2/9/2018 JN ES14.0052.06

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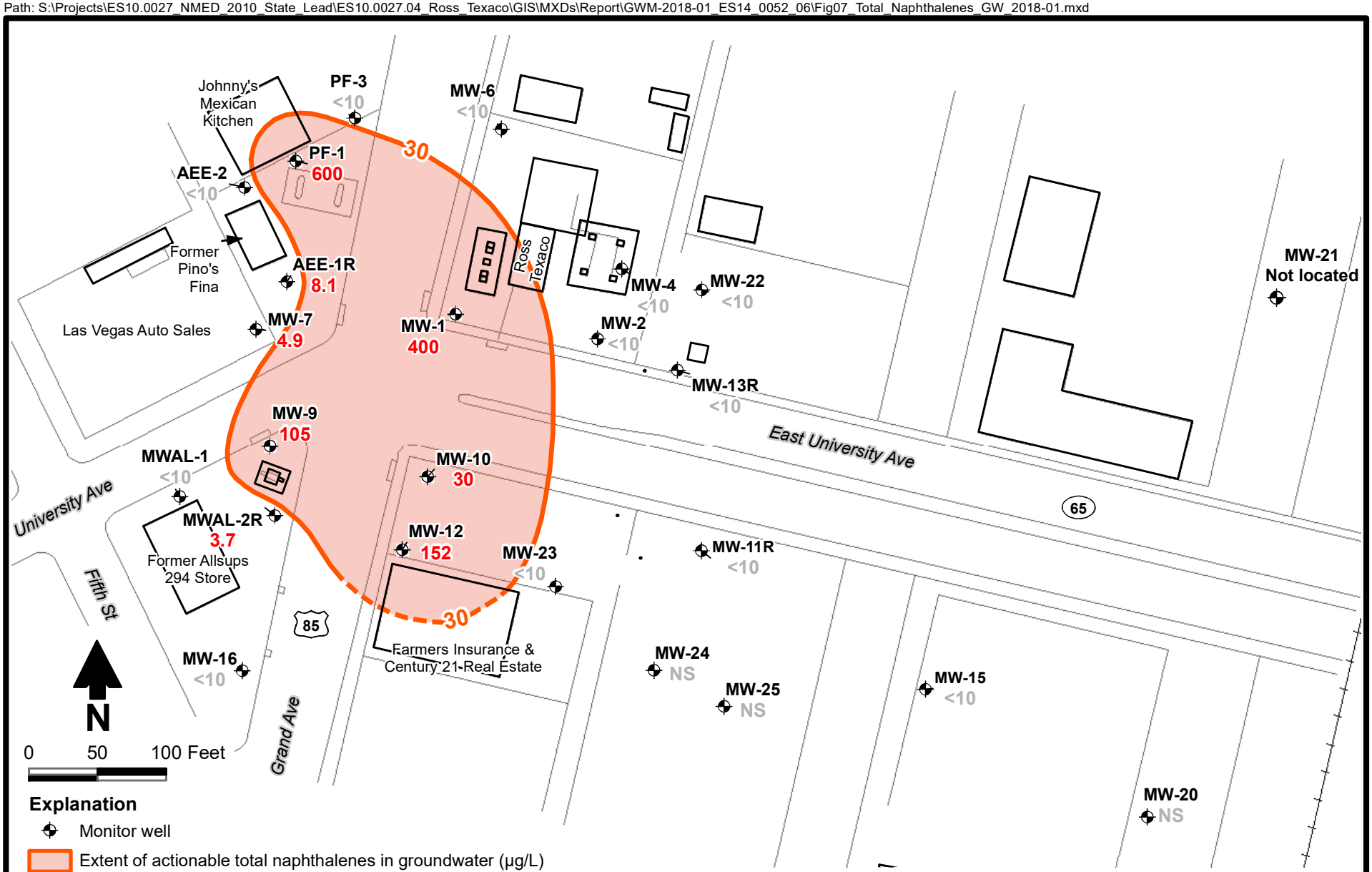

Explanation

- Monitor well
- Extent of actionable total naphthalenes in groundwater (µg/L) (dashed where inferred)
- **MW-1** Monitor well designation
- **400** Total naphthalenes concentration (µg/L)

Source:
Basemap from Haller & Assoc., Inc., October 6, 2005

Notes:
1. NS = Well not sampled
2. Gray shading indicates concentration is below laboratory reporting limits.

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294
LAS VEGAS, NEW MEXICO

Total Naphthalenes in Groundwater
January 4 and 5, 2018

Figure 7

Daniel B. Stephens & Associates, Inc.
2/9/2018 JN ES14.0052.06

Tables

Site Name: Allsups 294
PSTB Facility #: 26519
Date: February 16, 2018

LIST OF TABLES

Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-1	6409.53	03/27/96	14.70	0.00	6394.83
		04/29/97	13.81	0.00	6395.72
		08/29/97	14.09	0.00	6395.44
		12/10/97	14.40	0.00	6395.13
		07/13/99	13.73	0.00	6395.80
		10/06/99	14.14	Sheen	6395.39
		01/05/00	14.83	0.01	6394.70
		02/24/00	14.92	0.02	6394.61
		11/01/00	15.23	0.00	6394.30
		01/18/01	14.72	0.48	6395.16
		04/25/01	13.88	0.00	6395.65
		07/25/01	14.08	0.00	6395.45
		06/26/02	14.87	0.02	6394.67
		08/28/02	14.48	0.00	6395.05
		12/10/02	14.72	0.00	6394.81
		07/16/03	16.32	1.64	6394.41
		12/09/03	16.25	0.38	6393.56
		08/05/04	14.82	0.00	6394.73
	6423.08	01/10/05	14.40	0.00	6408.68
		03/23/05	13.78	0.00	6409.30
		06/07/05	13.49	0.00	6409.59
		09/14/05	14.24	0.00	6408.84
		08/15/11	15.35	0.00	6407.73
		10/01/12	16.70	0.61	6406.84
		07/08/13	15.73	0.03	6407.37
	6418.01 [d]	03/26/14	14.97	0.01	6403.05
		02/05/15	14.71	0.00	6403.30
		07/23/15	13.46	0.00	6404.55
		01/19/17	13.54	0.00	6404.47
		01/05/18	14.11	0.00	6403.90

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing NA = Not available

Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-2	6408.15	03/27/96	14.12	0.00	6394.03
		05/01/97	13.33	0.00	6394.82
		08/28/97	13.63	0.00	6394.52
		12/10/97	13.84	0.00	6394.31
		07/13/99	13.30	0.00	6394.85
		10/06/99	13.69	0.00	6394.46
		01/05/00	13.18	0.00	6394.97
		02/25/00	14.28	0.00	6393.87
		11/01/00	14.49	0.00	6393.66
		01/18/01	14.13	0.00	6394.02
		04/25/01	13.41	0.00	6394.74
		07/25/01	13.62	0.00	6394.53
		06/26/02	14.28	0.00	6393.87
		08/28/02	13.92	0.00	6394.23
		12/10/02	14.14	0.00	6394.01
		07/16/03	15.16	0.00	6392.99
		12/09/03	15.30	0.00	6392.85
		08/05/04	14.31	0.00	6393.84
	6422.14	01/10/05	13.87	0.00	6408.27
		03/23/05	13.31	0.00	6408.83
		09/14/05	13.93	0.00	6408.21
		08/15/11	14.68	0.00	6407.46
		10/01/12	15.31	0.00	6406.83
		07/08/13	18.02	0.00	6404.12
	6417.07 [d]	03/26/14	14.20	0.00	6402.87
		02/05/15	14.19	0.00	6402.88
		07/23/15	13.13	0.00	6403.94
		01/19/17	13.13	0.00	6403.94
		01/05/18	13.60	0.00	6403.47
MW-3	6409.73	03/27/96	16.07	0.00	6393.66

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-3 (cont.)	6409.73	05/01/97	Destroyed		
MW-4	6409.03	03/27/96	16.30	1.17	6393.58
		05/01/97	15.05	0.42	6394.30
		08/28/97	15.44	0.91	6394.25
		07/13/99	14.89	0.54	6394.53
		10/06/99	16.60	0.30	6392.65
		01/05/00	16.12	1.02	6393.65
		02/25/00	16.13	1.00	6393.63
		11/01/00	16.20	0.00	6392.83
		01/18/01	16.12	1.16	6393.76
		04/25/01	14.85	0.13	6394.27
		07/25/01	14.99	0.42	6394.35
		06/26/02	15.82	0.75	6393.76
		08/28/02	15.30	0.53	6394.12
		12/10/02	15.54	0.61	6393.94
		07/16/03	15.95	0.00	6393.08
		12/09/03	17.32	1.19	6392.58
		08/05/04	15.63	0.03	6393.42
	6423.11	01/10/05	15.23	Trace	6407.88
		03/23/05	14.65	Trace	6408.46
		06/07/05	14.42	0.00	6408.69
		09/15/05	15.57	0.02	6407.55
		08/15/11	16.12	0.01	6407.00
		10/01/12	16.80	0.02 [c]	6406.32
		07/08/13	17.33	0.03	6405.80
	6418.01 [d]	03/26/14	14.28	0.00	6403.73
		02/05/15	15.68	0.00	6402.33
		07/23/15	14.20	0.00	6403.81
		01/19/17	14.03	0.00	6403.98
		01/05/18	14.94	0.00	6403.07

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-5	NA	Destroyed			
MW-6	6411.02	03/27/96	16.44	0.00	6394.58
		04/29/97	15.63	0.00	6395.39
		08/28/97	15.86	0.00	6395.16
		07/13/99	15.49	0.00	6395.53
		10/06/99	15.95	0.00	6395.07
		01/05/00	17.30	0.00	6393.72
		02/25/00	16.65	0.00	6394.37
		11/01/00	16.97	0.00	6394.05
		01/18/01	16.46	0.00	6394.56
		04/25/01	15.56	0.00	6395.46
		07/25/01	15.80	0.00	6395.22
		06/26/02	16.60	0.00	6394.42
		08/28/02	16.18	0.00	6394.84
		12/10/02	16.50	0.00	6394.52
		07/16/03	17.66	0.00	6393.36
		12/09/03	17.78	0.00	6393.24
		08/05/04	16.63	0.00	6394.39
	6425.11	01/10/05	16.19	0.00	6408.92
		03/23/05	15.55	0.00	6409.56
		06/07/05	15.12	0.00	6409.99
		09/14/05	16.06	0.00	6409.05
		08/15/11	17.11	0.00	6408.00
		10/01/12	17.81	0.00	6407.30
		07/08/13	18.07	0.00	6407.04
	6419.98 [d]	03/26/14	16.64	0.00	6403.34
		02/05/15	16.43	0.00	6403.55
		07/23/15	14.78	0.00	6405.20
		01/19/17	15.02	0.00	6404.96
		01/05/18	15.64	0.00	6404.34

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-7	6411.62	03/27/96	17.08	0.00	6394.54
		05/01/97	16.34	0.00	6395.28
		08/28/97	16.66	0.00	6394.96
		12/11/97	16.65	0.00	6394.97
		07/13/99	16.26	0.00	6395.36
		10/07/99	16.74	0.00	6394.88
		01/05/00	17.30	0.00	6394.32
		02/24/00	17.47	0.00	6394.15
		11/01/00	17.70	0.00	6393.92
		01/20/01	17.28	0.00	6394.34
		04/25/01	16.41	0.00	6395.21
		07/25/01	16.63	0.00	6394.99
		06/26/02	17.43	0.00	6394.19
		08/28/02	17.05	0.00	6394.57
		12/10/02	17.34	0.00	6394.28
		07/16/03	18.51	0.00	6393.11
		12/09/03	18.81	0.33	6393.05
		08/05/04	17.39	0.00	6394.23
	6425.80	01/10/05	16.99	0.01	6408.82
		03/23/05	16.32	0.00	6409.48
		06/07/05	15.99	0.00	6409.81
		09/14/05	16.83	0.00	6408.97
		08/15/11	18.01	0.00	6407.79
		10/01/12	18.85	0.00	6406.95
		07/08/13	18.30	0.08 [c]	6407.56
	6420.76 [d]	03/24/14	17.61	0.00	6403.15
		02/06/15	17.31	0.00	6403.45
		07/22/15	15.89	0.00	6404.87
		01/19/17	16.10	0.00	6404.66
		01/04/18	16.69	0.00	6404.07

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-8	6410.76	03/27/96	16.37	0.00	6394.39
		05/01/97	NM	0.00	NM
		08/28/97	15.72	0.00	6395.04
		10/06/99	Destroyed		
MW-9	6410.85	03/27/96	16.62	0.00	6394.23
		08/28/97	15.57	0.00	6395.28
		08/29/97	15.90	0.00	6394.95
		12/11/97	16.24	0.00	6394.61
		07/13/99	15.51	0.00	6395.34
		10/07/99	15.97	Sheen	6394.88
		01/05/00	16.59	Sheen	6394.26
		02/25/00	17.19	0.59	6394.09
		11/01/00	16.87	0.00	6393.98
		01/18/01	NM	0.00	NM
		04/25/01	15.68	0.00	6395.17
		07/25/01	15.87	0.00	6394.98
		06/26/02	16.66	0.02	6394.20
		08/28/02	16.28	0.00	6394.57
		12/10/02	16.57	0.00	6394.28
		07/16/03	17.87	0.30	6393.20
		12/09/03	17.73	0.01	6393.12
		08/05/04	16.58	0.00	6394.27
	6424.93	01/10/05	16.18	0.00	6408.75
		03/23/05	15.52	0.00	6409.41
		06/07/05	15.23	0.00	6409.70
		09/14/05	16.02	0.00	6408.91
		08/15/11	17.17	0.00	6407.76
		10/01/12	18.00	0.00	6406.93
		07/08/13	18.50	0.00	6406.43
	6419.89 [d]	03/24/14	16.82	0.00	6403.07

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-9 (cont.)	6419.89 [d]	02/06/15	16.51	0.00	6403.38
		07/22/15	15.22	0.00	6404.67
		01/20/17	15.49	0.00	6404.40
		01/04/18	16.03	0.00	6403.86
MW-10	6409.02	03/27/96	15.06	0.06	6394.01
		05/01/97	14.03	0.04	6395.02
		08/29/97	14.39	0.08	6394.69
		12/11/97	14.68	0.05	6394.38
		07/13/99	13.95	0.00	6395.14
		10/06/99	14.36	Sheen	6394.66
		01/05/00	15.02	0.04	6394.00
		02/24/00	15.20	0.11	6393.90
		11/01/00	15.52	0.00	6393.50
		01/18/01	NM	0.00	NM
		04/25/01	14.20	0.00	6394.82
		07/25/01	14.31	0.00	6394.71
		06/26/02	15.22	0.19	6393.94
		08/28/02	14.80	0.10	6394.29
		12/10/02	15.04	0.10	6394.05
		07/16/03	16.41	0.53	6393.00
		12/09/03	16.49	0.48	6392.88
		08/05/04	15.01	0.06	6394.05
	6423.11	01/10/05	14.59	0.00	6408.52
		03/23/05	13.95	0.00	6409.16
		06/07/05	13.74	0.00	6409.37
		09/14/05	14.45	0.00	6408.66
		08/15/11	15.53	0.00	6407.58
		10/01/12	Not located		
		07/08/13	16.00	0.15	6407.22
	6418.05 [d]	03/26/14	15.16	Sheen	6402.89

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-10 (cont.)	6418.05 [d]	02/05/15	14.90	0.00	6403.15
		07/23/15	13.76	0.00	6404.29
		01/19/17	13.82	0.00	6404.23
		01/05/18	14.38	0.00	6403.67
MW-11	6407.31	03/27/96	13.39	0.00	6393.92
		05/01/97	14.60	0.00	6392.71
		08/29/97	12.77	0.00	6394.54
		07/13/99	12.35	0.00	6394.96
		10/06/99	12.78	0.01	6394.53
		01/05/00	13.34	0.00	6393.97
		02/24/00	Buried		
		11/01/00	13.58	0.00	6393.73
		01/18/01	NM	0.00	NM
		04/25/01	NM	0.00	NM
		07/25/01	NM	0.00	NM
		06/26/02	NM	0.00	NM
		08/28/02	NM	0.00	NM
		12/10/02	NM	0.00	NM
		07/16/03	NM	0.00	NM
		12/09/03	NM	0.00	NM
		08/05/04	13.31	0.00	6394.00
	6421.36	01/10/05	12.96	0.00	6408.40
		03/23/05	12.30	0.00	6409.06
		06/07/05	13.74	0.00	6409.37
		09/14/05	12.81	0.00	6408.55
		08/15/11	Buried or destroyed		
MW-11R	6413.78 [d]	03/26/14	12.67	0.00	6401.11
		02/05/15	12.65	0.00	6401.13
		07/23/15	11.70	0.00	6402.08
		01/19/17	11.91	0.00	6401.87

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-11R (cont.)	6413.78 [d]	01/05/18	12.02	0.00	6401.76
MW-12	6409.21	03/27/96	15.14	0.00	6394.07
		05/01/97	14.20	0.00	6395.01
		08/29/97	14.53	0.00	6394.68
		12/11/97	14.84	0.00	6394.37
		07/13/99	14.08	0.00	6395.13
		10/06/99	14.56	Sheen	6394.65
		01/05/00	Dry	0.00	Dry
		02/25/00	15.65	0.43	6393.87
		11/01/00	15.83	0.00	6393.38
		01/18/01	15.40	0.37	6394.08
		04/25/01	14.65	0.15	6394.67
		07/25/01	14.78	0.33	6394.67
		06/26/02	15.49	0.27	6393.92
		08/28/02	15.13	0.26	6394.27
		12/10/02	15.37	0.26	6394.03
		07/16/03	16.78	0.74	6392.97
		12/09/03	16.79	0.62	6406.95
		08/05/04	15.41	0.32	6394.03
	6423.29	01/10/05	14.94	0.18	6408.48
		03/23/05	14.27	0.16	6409.14
		06/07/05	14.02	0.09	6409.34
		09/14/05	14.78	0.17	6408.63
		08/15/11	15.95	0.30	6407.56
		10/01/12	16.41	0.19 [c]	6407.02
		07/08/13	16.33	0.33	6407.21
	6418.21 [d]	03/26/14	15.31	0.04	6402.93
		02/05/15	15.14	0.08	6403.13
		07/23/15	13.95	0.00	6404.26
		01/19/17	14.01	0.00	6404.20

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-12 (cont.)	6418.21 [d]	01/05/18	14.55	0.00	6403.66
MW-13	6406.22	03/27/96	12.64	0.00	6393.58
		05/01/97	Buried		
		07/13/99	Buried		
		08/05/04	Buried		
	6420.13	01/10/05	12.35	0.00	6407.78
		03/23/05	11.81	0.00	6408.32
		06/07/05	11.71	0.00	6408.42
		09/14/05	12.28	0.00	6407.85
		08/15/11	Buried or destroyed		
MW-13R	6415.75 [d]	03/26/14	13.43	0.00	6402.32
		02/05/15	Buried		
		07/23/15	12.30	0.00	6403.45
		01/19/17	12.30	0.00	6403.45
		01/05/18	12.62	0.00	6403.13
MW-14	6407.37	03/27/96	17.16	0.00	6390.21
		05/01/97	16.71	0.00	6390.66
		08/28/97	16.54	0.00	6390.83
		07/13/99	16.87	0.00	6390.50
		10/06/99	16.20	0.00	6391.17
		01/05/00	16.30	0.00	6391.07
		02/24/00	16.45	0.00	6390.92
		11/01/00	NM	0.00	NM
		01/18/01	NM	0.00	NM
		04/25/01	12.61	0.00	6394.76
		07/25/01	12.73	0.00	6394.64
		06/26/02	13.46	0.00	6393.91
		08/28/02	13.12	0.00	6394.25
		12/10/02	13.33	0.00	6394.04
		07/16/03	14.35	0.00	6393.02

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-14 (cont.)	6407.37	12/09/03	NM	0.00	NM
		08/05/04	17.25	0.00	6390.12
	6421.48	01/10/05	16.36	0.00	6405.12
		03/23/05	16.37	0.00	6405.11
		06/07/05	16.44	0.00	6405.04
		09/14/05	16.44	0.00	6405.04
		08/15/11	Buried or destroyed		
MW-15	6401.41	03/27/96	12.45	0.00	6388.96
		05/01/97	10.72	0.00	6390.69
		08/28/97	11.28	0.00	6390.13
		12/11/97	11.74	0.00	6389.67
		07/13/99	11.01	0.00	6390.40
		10/06/99	11.39	0.00	6390.02
		01/05/00	12.28	0.00	6389.13
		02/24/00	12.44	0.00	6388.97
		11/01/00	12.19	0.00	6389.22
		01/18/01	NM	0.00	NM
		04/25/01	11.38	0.00	6390.03
		07/25/01	12.01	0.00	6389.40
		06/26/02	13.10	0.00	6388.31
		08/28/02	12.96	0.00	6388.45
		12/10/02	12.50	0.00	6388.91
		07/16/03	13.14	0.00	6388.27
		12/09/03	13.13	0.00	6388.28
		08/05/04	12.36	0.00	6389.05
	6415.53	01/10/05	11.58	0.00	6403.95
		03/23/05	10.82	0.00	6404.71
		06/07/05	10.70	0.00	6404.83
		09/14/05	11.78	0.00	6403.75
		08/15/11	13.51	0.00	6402.02

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

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ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing NA = Not available

Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-15 (cont.)	6410.53 [d]	03/26/14	12.17	0.00	6398.36
		02/05/15	12.40	0.00	6398.13
		07/23/15	10.84	0.00	6399.69
		01/19/17	12.09	0.00	6398.44
		01/05/18	11.84	0.00	6398.69
MW-16	6409.86	03/27/96	14.80	0.00	6395.06
		05/01/97	13.67	0.00	6396.19
		08/28/97	14.30	0.00	6395.56
		07/13/99	14.15	0.00	6395.71
		10/07/99	14.22	0.00	6395.64
		01/05/00	14.64	0.00	6395.22
		02/25/00	14.83	0.00	6395.03
		11/01/00	14.81	0.00	6395.05
		01/18/01	NM	0.00	NM
		04/25/01	14.35	0.00	6395.51
		07/25/01	14.59	0.00	6395.27
		06/26/02	15.38	0.00	6394.48
		08/28/02	15.42	0.00	6394.44
		12/10/02	14.58	0.00	6395.28
		07/16/03	15.52	0.00	6394.34
		12/09/03	15.29	0.00	6394.57
		08/05/04	15.00	0.00	6394.86
		01/10/05	14.50	0.00	6409.46
		03/23/05	13.89	0.00	6410.07
		09/14/05	14.79	0.00	6409.17
		08/15/11	15.42	0.00	6408.54
		10/01/12	15.81	0.00	6408.15
		07/08/13	15.50	0.00	6408.46
	6418.89 [d]	03/24/14	15.02	0.00	6403.87
		02/06/15	15.02	0.00	6403.87

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing NA = Not available

Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-16 (cont.)	6418.89 [d]	07/22/15	14.20	0.00	6404.69
		01/20/17	14.30	0.00	6404.59
		01/04/18	14.70	0.00	6404.19
MW-17	6407.88	03/27/96	18.19	0.00	6389.69
		05/01/97	16.20	0.00	6391.68
		08/28/97	16.98	0.00	6390.90
		07/13/99	16.68	0.00	6391.20
		10/06/99	17.11	0.00	6390.77
		01/05/00	17.88	0.00	6390.00
		02/24/00	18.11	0.00	6389.77
		11/01/00	17.87	0.00	6390.01
		01/18/01	17.90	0.00	6389.98
		04/25/01	16.98	0.00	6390.90
		07/25/01	17.64	0.00	6390.24
		06/26/02	18.64	0.00	6389.24
		08/28/02	18.40	0.00	6389.48
		12/10/02	18.02	0.00	6389.86
		07/16/03	18.80	0.00	6389.86
		12/09/03	18.85	0.00	6389.03
		08/05/04	18.03	0.00	6389.85
	6421.99	01/10/05	17.26	0.00	6404.73
		03/23/05	16.40	0.00	6405.59
		06/07/05	16.19	0.00	6405.80
		09/14/05	17.52	0.00	6404.47
		08/15/11	Destroyed		
MW-20	6397.07	03/27/96	8.66	0.00	6388.41
		05/01/97	6.87	0.00	6390.20
		08/28/97	7.40	0.00	6389.67
		07/13/99	7.09	0.00	6389.98
		10/06/99	7.51	0.00	6389.56

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-20 (cont.)	6397.07	01/05/00	5.36	0.00	6391.71
		02/24/00	8.54	0.00	6388.53
		11/01/00	8.16	0.00	6388.91
		01/18/01	NM	0.00	NM
		04/25/01	7.55	0.00	6389.52
		07/25/01	8.15	0.00	6388.92
		06/26/02	9.30	0.00	6387.77
		08/28/02	9.20	0.00	6387.87
		12/10/02	8.63	0.00	6388.44
		07/16/03	9.33	0.00	6387.74
		12/09/03	9.28	0.00	6387.79
		08/05/04	8.49	0.00	6388.58
	6411.22	01/10/05	7.67	0.00	6403.55
		03/23/05	6.68	0.00	6404.54
		09/14/05	7.88	0.00	6403.34
		08/15/11	9.80	0.00	6401.42
	6406.24 [d]	03/26/14	Not gauged		
		02/05/15	8.58	0.00	6397.66
		07/23/15	6.96	0.00	6399.28
		01/19/17	8.26	0.00	6397.98
		01/05/18	Inaccessible		
MW-21	6399.84	03/27/96	11.34	0.00	6388.50
		05/01/97	9.96	0.00	6389.88
		08/28/97	10.32	0.00	6389.52
		07/13/99	10.10	0.00	6389.74
		10/06/99	10.40	0.00	6389.44
		01/05/00	10.78	0.00	6389.06
		02/24/00	11.07	0.00	6388.77
		11/01/00	11.11	0.00	6388.73
		01/18/01	NM	0.00	NM

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-21 (cont.)	6399.84	04/25/01	10.67	0.00	6389.17
		07/25/01	11.05	0.00	6388.79
		06/26/02	Dry		
		08/28/02	Dry		
		12/10/02	NM	0.00	NM
		07/16/03	12.31	0.00	6387.53
		12/09/03	12.34	0.00	6387.50
		08/05/04	11.62	0.00	6388.22
	6413.99	01/10/05	10.82	0.00	6403.17
		03/23/05	9.96	0.00	6404.03
		06/07/05	9.71	0.00	6404.28
		09/14/05	10.83	0.00	6403.16
		08/15/11	Not gauged		
	--- [e]	03/26/14	Well not located		
		02/05/15	Well not located		
		07/23/15	Well not located		
MW-22	6421.22	01/10/05	13.32	0.00	6407.90
		03/23/05	12.82	0.00	6408.40
		06/07/05	12.71	0.00	6408.51
		09/14/05	13.35	0.00	6407.87
		08/15/11	Buried or destroyed		
	6416.11 [d]	03/26/14	Not gauged		
		02/05/15	13.60	0.00	6402.51
		07/23/15	12.66	0.00	6403.45
		01/19/17	12.62	0.00	6403.49
		01/05/18	12.98	0.00	6403.13
MW-23	6421.17	01/10/05	13.84	0.00	6407.33
		03/23/05	13.17	0.00	6408.00
		06/08/05	13.05	0.00	6408.12
		09/14/05	13.67	0.00	6407.50

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MW-23 (cont.)	6421.17	08/15/11	Buried or destroyed		
		10/01/12	15.40	0.08 [c]	6405.83
		07/08/13	15.80	0.20	6405.52
	6417.07 [d]	03/26/14	14.38	Sheen	6402.69
		02/05/15	14.12	0.00	6402.95
		07/23/15	13.11	0.00	6403.96
		01/19/17	13.10	0.00	6403.97
		01/05/18	13.59	0.00	6403.48
MW-24	6415.39 [d]	03/26/14	16.17	0.00	6399.22
		02/05/15	16.21	0.00	6399.18
		07/23/15	No access		
		01/19/17	15.84	0.00	6399.55
		01/05/18	No access		
MW-25	6413.24 [d]	03/26/14	14.37	0.00	6398.87
		02/05/15	14.55	0.00	6398.69
		07/23/15	No access		
		01/19/17	No access		
		01/05/18	No access		
PF-1	NA	01/06/00	17.38	0.00	NA
		02/25/00	17.51	0.00	NA
		11/01/00	17.83	0.00	NA
		01/20/01	17.30	0.00	NA
		04/25/01	16.38	0.00	NA
		07/25/01	16.59	0.00	NA
		06/26/02	17.40	0.00	NA
		08/28/02	17.03	0.00	NA
		12/10/02	17.33	0.00	NA
		07/16/03	19.05	0.00	NA
		12/09/03	18.95	0.41	NA
		08/05/04	17.46	0.00	NA

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
PF-1 (cont.)	6426.01	01/10/05	17.01	0.00	6409.00
		03/23/05	16.35	0.00	6409.66
		06/07/05	15.96	0.00	6410.05
		09/14/05	16.88	0.00	6409.13
		08/15/11	18.11	0.03	6407.92
		10/01/12	19.40	0.60	6407.06
		07/08/13	19.42	0.02	6406.61
	6420.90 [d]	03/24/14	17.65	Sheen	6403.25
		02/06/15	17.30	0.00	6403.60
		07/22/15	15.70	0.00	6405.20
		01/19/17	15.99	0.00	6404.91
		01/04/18	16.56	0.00	6404.34
PF-2	6412.48	03/27/96	Dry		
		05/01/97	Dry		
		08/28/97	Under concrete slab		
PF-3	6411.78	03/27/96	17.83	0.00	6393.95
		05/01/97	17.08	0.00	6394.70
		08/28/97	17.34	0.00	6394.44
		07/13/99	17.05	0.00	6394.73
		10/06/99	17.39	0.00	6394.39
		01/05/00	18.00	0.00	6393.78
		02/25/00	18.07	0.00	6393.71
		11/01/00	18.28	0.00	6393.50
		01/19/01	17.89	0.00	6393.89
		04/25/01	17.14	0.00	6394.64
		07/25/01	17.36	0.00	6394.42
		06/26/02	17.97	0.00	6393.81
		08/28/02	17.62	0.00	6394.16
		12/10/02	17.82	0.00	6393.96

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[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
PF-3 (cont.)	6411.78	07/16/03	18.91	0.00	6392.87
		12/09/03	19.04	0.00	6392.74
		08/05/04	18.00	0.00	6393.78
	6425.90	01/10/05	17.53	0.00	6403.03
		03/23/05	16.98	0.00	6408.92
		06/07/05	16.61	0.00	6409.29
		09/14/05	17.44	0.00	6408.46
		08/15/11	18.41	0.00	6407.49
		10/01/12	19.20	0.00	6406.70
		07/08/13	18.90	0.00	6407.00
	6420.82 [d]	03/24/14	17.79	0.00	6403.03
		02/06/15	17.33	0.00	6403.49
		07/22/15	15.75	0.00	6405.07
		01/19/17	15.95	0.00	6404.87
		01/04/18	16.55	0.00	6404.27
PF-4	6414.00	03/27/96	16.63	0.00	6397.37
		05/01/97	NM	0.00	NM
		08/28/97	17.10	0.00	6396.90
		Buried or Destroyed			
MWAL-1	6410.10	03/27/96	17.82	0.00	6392.28
		05/01/97	16.69	0.00	6393.41
		08/28/97	17.33	0.00	6392.77
		12/10/97	17.64	0.00	6392.46
		07/13/99	17.18	0.00	6392.92
		10/07/99	17.23	0.00	6392.87
		01/05/00	17.64	0.00	6392.46
		02/25/00	17.83	0.00	6392.27
		11/01/00	17.84	0.00	6392.26
		04/25/01	17.31	0.00	6392.79
		07/25/01	17.62	0.00	6392.48

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

[d] Top of casing elevations resurveyed by Surveying Control, Inc. on April 24, 2014.

[e] Well could not be located to resurvey on April 24, 2014.

ft msl = Feet above mean sea level NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing NA = Not available

Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MWAL-1 (cont.)	6410.10	06/26/02	18.40	0.00	6391.70
		08/28/02	18.43	0.00	6391.67
		12/10/02	17.79	0.00	6392.31
		07/16/03	18.56	0.00	6391.54
		12/09/03	18.30	0.00	6391.80
		08/05/04	18.02	0.00	6392.08
		01/10/05	17.51	0.00	6409.49
		03/23/05	16.90	0.00	6410.10
		06/07/05	17.17	0.00	6409.83
		09/14/05	17.82	0.00	6409.18
		08/15/11	18.45	0.00	6408.55
		10/01/12	18.84	0.00	6408.16
		07/08/13	18.60	0.00	6408.40
	6421.95 [d]	03/24/14	18.05	0.00	6403.90
		02/06/15	18.06	0.00	6403.89
		07/22/15	17.37	0.00	6404.58
		01/20/17	16.31	0.00	6405.64
		01/04/18	17.73	0.00	6404.22
MWAL-2	6412.90	03/27/96	16.00	0.00	6396.90
		05/01/97	15.56	0.00	6397.34
		08/29/97	15.39	0.00	6397.51
		12/11/97	15.70	0.00	6397.20
		07/13/99	15.00	0.00	6397.90
		10/07/99	15.46	0.00	6397.44
		01/05/00	16.01	0.00	6396.89
		02/25/00	16.19	0.00	6396.71
		11/01/00	16.29	0.00	6396.61
		01/18/01	17.70	0.00	6395.20
		04/25/01	15.15	0.00	6397.75
		07/25/01	15.33	0.00	6397.57

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
MWAL-2 (cont.)	6412.90	06/26/02	16.06	0.00	6396.84
		08/28/02	15.71	0.00	6397.19
		12/10/02	15.96	0.00	6396.94
		07/16/03	17.02	0.00	6395.88
		12/09/03	17.47	0.46	6395.77
		08/05/04	15.96	0.00	6396.94
	6424.11	01/10/05	15.58	0.00	6408.53
		03/23/05	14.93	0.00	6409.18
		06/07/05	14.83	0.00	6409.28
		09/14/05	15.45	0.02	6408.67
		08/15/11	16.71	0.23	6407.57
		10/01/12	17.73	0.43	6406.70
		07/08/13	Destroyed		
MWAL-2R	6419.36 [d]	03/24/14	16.50	0.00	6402.86
		02/06/15	16.23	0.00	6403.13
		07/22/15	15.10	0.00	6404.26
		01/20/17	15.05	0.00	6404.31
		01/04/18	15.56	0.00	6403.80
AEE-1	NA	07/13/99	16.26	0.00	NA
		10/07/99	16.31	0.00	NA
		01/05/00	17.07	0.00	NA
		02/25/00	17.00	0.00	NA
		11/01/00	17.28	0.00	NA
		01/20/01	16.82	0.00	NA
		04/25/01	15.92	0.00	NA
		07/25/01	16.12	0.00	NA
		06/26/02	16.90	0.00	NA
		08/28/02	16.53	0.00	NA
		12/10/02	16.85	0.00	NA
		07/16/03	18.00	0.00	NA

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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
AEE-1 (cont.)	NA	12/09/03	18.06	0.00	NA
		08/05/04	Destroyed		
AEE-1R	6420.22 [d]	03/24/14	17.30	0.00	6402.92
		02/06/15	16.77	0.00	6403.45
		07/22/15	15.32	0.00	6404.90
		01/19/17	15.55	0.00	6404.67
		01/04/18	16.12	0.00	6404.10
AEE-2	NA	07/13/99	16.60	0.00	NA
		10/06/99	17.06	0.00	NA
		01/05/00	17.70	0.00	NA
		02/25/00	17.84	0.00	NA
		11/01/00	18.12	0.00	NA
		01/19/01	17.65	0.00	NA
		04/25/01	16.70	0.00	NA
		07/25/01	NM	0.00	NA
		06/26/02	17.72	0.00	NA
		08/28/02	17.33	0.00	NA
		12/10/02	17.62	0.00	NA
		07/16/03	18.89	0.00	NA
		12/09/03	18.93	0.00	NA
		08/05/04	17.73	0.00	NA
	6426.27	01/10/05	17.27	0.00	6409.00
		03/23/05	16.60	0.00	6409.67
		06/07/05	16.21	0.00	6410.06
		09/14/05	17.12	0.00	6409.15
		08/15/11	18.32	0.00	6407.95
		10/01/12	19.21	0.00	6407.06
		07/08/13	19.23	0.00	6407.04
	6421.19 [d]	03/24/14	17.95	0.00	6403.24
		02/06/15	18.62	0.00	6402.57

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

[b] Groundwater elevation (GWE) corrected for NAPL thickness using the following equation: GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

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Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
Page 22 of 22

Monitor Well	Top of Casing Elevation [a] (ft msl)	Date Measured	Depth to Water (ft btoc)	NAPL Thickness (feet)	Water Level Elevation [b] (ft msl)
AEE-2 (cont.)	6421.19 [d]	07/22/15	16.02	0.00	6405.17
		01/19/17	16.31	0.00	6404.88
		01/04/18	16.90	0.00	6404.29

All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

[a] Top of casing elevations resurveyed by Haller & Associates on January 10, 2005.

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GWE = TOC Elevation - (DTW - [NAPL thickness x 0.75]).

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ft msl = Feet above mean sea level
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NA = Not available

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
Page 1 of 24

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-1	03/30/96	**7,000**	**2,700**	**800**	**1,800**	12,300	**460**	<0.01	<8.0	—
	04/29/97	**12,000**	**5,000**	**1,600**	**5,600**	24,200	**3,100**	—	—	—
	08/29/97	**11,000**	**4,700**	**1,600**	**5,800**	23,100	**1,400**	—	—	—
	12/10/97	**7,900**	**2,100**	**930**	**2,600**	13,530	**710**	—	—	—
	07/14/99	**7,300**	**2,100**	**1,500**	**2,800**	13,700	<100	—	—	—
	10/06/99	**8,500**	**2,500**	**1,600**	**4,100**	16,700	<100	—	—	—
	02/24/00	**3,000**	**1,800**	**860**	**1,900**	7,560	<100	—	—	—
	03/24/05	**1,500**	500	**3,400**	**12,000**	17,400	<100	<100 [d]	<100	—
	09/15/05	**850**	100	**1,900**	**5,700**	8,550	<100	<100 [d]	<100	**370**
	08/16/11	**160**	9.7	**1,400**	520	2,089.7	22	<1.0 [d]	<1.0	**228**
	10/01/12	Not sampled - 0.61 foot NAPL								
	07/08/13	Not sampled - 0.03 foot NAPL								
	03/26/14	Not sampled - 0.01 foot NAPL								
	02/05/15	**92**	<50	**2,300**	**770**	3,162	<50	<50 [d]	<50 [d]	**460**
	07/23/15	**120**	<50	**2,100**	**950**	3,170	<50	<50 [d]	<50 [d]	**1,030**
	01/19/17	**85**	<20	**2,900**	320	3,305	<20	<20 [d]	<20 [d]	**910**
	01/05/18	**71**	<20	**2,400**	170	2,641	<20	<20 [d]	<20 [d]	**400**
MW-2	03/30/96	1.8	<0.5	<0.5	<0.5	1.8	91	<0.01	<0.2	—

Bold indicates concentrations that exceed the applicable standard.
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[a] Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.
[b] New Mexico Water Quality Control Commission standard, unless otherwise noted.
[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-2 (cont.)	05/01/97	**49.0**	2.3	9.6	11	71.9	**100**	—	—	—
	08/28/97	6.5	0.5	1.8	1.1	9.9	61	—	—	—
	12/10/97	0.8	<0.5	<0.5	0.6	1.4	55	—	—	—
	07/14/99	6.9	1.3	4.5	7.9	20.6	8.6	—	—	—
	10/06/99	4.6	1.0	3.6	4.8	14.0	33	—	—	—
	02/25/00	1.7	<0.5	1.6	2.2	5.5	10	—	—	—
	11/03/00	2.5	2.1	17	25	46.6	14	—	—	—
	12/10/03	**18**	<1.0	66	17	101	40	—	—	—
	08/06/04	**16**	<1.0	180	20	216	39	<1.0 [d]	<1.0	15.6
	01/10/05	**15**	<5.0	140	52	207	47	<5.0 [d]	<5.0	16
	03/24/05	**54**	<5.0	520	260	834	22	<5.0 [d]	<5.0	**39**
	06/07/05	2.9	<1.0	49	19	70.9	8.2	<1.0 [d]	<1.0	5.6
	09/14/05	**11**	<2.0	110	42	163	9.2	<2.0 [d]	<2.0	11
	08/16/11	**67**	<1.0	13	8.4	88.4	14	<1.0 [d]	<1.0	<20
	10/01/12	3.2	<2.0	13	<3.0	16.2	16	<2.0 [d]	<2.0	<20
	07/09/13	2.8	<1.0	18	<1.5	20.8	9.0	<1.0 [d]	<1.0	<10
	03/26/14	Insufficient water to sample								
	02/05/15	**23**	<5.0	320	48	391	14	<5.0 [d]	<5.0	**110**

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
Page 3 of 24

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-2 (cont.)	07/23/15	<1.0	<1.0	5.8	<1.5	5.8	2.7	<1.0 [d]	<1.0	2.0
	01/19/17	<1.0	<1.0	1.1	<1.5	1.1	<1.0	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
MW-3	03/30/96	<0.5	<0.5	<0.5	<0.5	<0.5	42	<0.01	<0.2	
	05/01/97	Well destroyed								
MW-4	03/27/96	Not sampled - 1.17 feet NAPL								
	03/28/96	**20,000**	**1,600**	**1,400**	**1,100**	24,100	**15,000**	<0.01	9.1	—
	05/01/97	Not sampled - 0.42 foot NAPL								
	08/15/11	Not sampled - 0.01 foot NAPL								
	10/01/12	Not sampled - 0.02 foot NAPL								
	07/08/13	Not sampled - 0.03 foot NAPL								
	03/26/14	Insufficient water to sample								
	02/05/15	**36**	<5.0	85	40	161	<5.0	<5.0 [d]	<5.0	**33**
	07/23/15	**59**	<1.0	95	9.6	163.6	<1.0	<1.0 [d]	<1.0	11
	01/19/17	<1.0	<1.0	9.7	<1.5	9.7	<1.0	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	15	1.8	16.8	<1.0	<1.0 [d]	<1.0	<10
MW-5	Well destroyed									
MW-6	03/30/96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.2	—

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-6 (cont.)	04/29/96	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	07/14/99	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	10/06/99	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	01/07/00	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	02/25/00	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	01/19/01	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	—	—	—
	04/26/01	<0.5	<0.5	<0.5	<0.5	<2.0	<2.5	—	—	—
	07/25/01	<0.5	0.97	1.5	9.3	11.77	<2.5	—	—	—
	06/27/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	08/29/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	12/11/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	07/17/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	12/11/03	<1.0	<1.0	<1.0	<1.0	<4.0	7.0	<1.0 [d]	<1.0	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	2.1	<1.0 [d]	<1.0	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	08/16/11	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	10/01/12	2.3	<1.0	<1.0	<1.5	2.3	<1.0	<1.0 [d]	<1.0	<10

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µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
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— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-6 (cont.)	07/09/13	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	02/05/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	07/23/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
MW-7	03/29/96	**11**	<0.5	9.8	0.9	21.7	39	<0.01	<0.2	—
	05/01/97	**42**	4.1	9.9	14	70	**110**	—	—	—
	12/11/97	**28**	<0.5	1.7	3.0	32.7	70	—	—	—
	07/14/99	1.6	0.6	2.2	0.9	5.3	<2.5	—	—	—
	10/07/99	6.2	1.1	4.7	1.5	13.5	7.5	—	—	—
	01/07/00	<0.5	<0.5	<0.5	<0.5	<20	7.3	—	—	—
	02/24/00	2.9	<0.5	0.6	0.7	4.2	7.1	—	—	—
	11/03/00	**12**	0.6	7.9	4.4	24.9	27	—	—	—
	01/20/01	**13**	1.4	28	7.2	49.6	16	—	—	—
	04/26/01	6.6	1.0	10	6.4	24	3.2	—	—	—
	07/25/01	**14**	1.0	18	6.0	39	3.2	—	—	—
	06/27/02	2.3	<1.0	2.6	1.5	6.4	3.4	<1.0 [d]	<1.0	—

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-7 (cont.)	08/29/02	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	12/11/02	2.6	1.0	1.7	3.7	9	7.1	<1.0 [d]	<1.0	—
	07/13/03	**16**	14	28	54	112	3.5	<1.0 [d]	<1.0	—
	08/06/04	**91**	<20	710	250	1,051	51	<20 [d]	<20	**185**
	03/24/05	**31**	<20	560	73	664	<20	<20 [d]	<20	**85**
	06/07/05	**30**	<10	420	18	468	12	<10 [d]	<10	**55**
	09/15/05	**36**	<5.0	330	19	385	11	<5.0 [d]	<5.0	**89**
	08/16/11	<1.0	<1.0	1.5	<1.5	1.5	1.2	<1.0 [d]	<1.0	<10
	10/02/12	<1.0	<1.0	1.9	<1.5	1.9	1.5	<1.0 [d]	<1.0	<10
	07/08/13	Not sampled - 0.08 foot NAPL								
	03/25/14	<1.0	<1.0	55	10	65	<1.0	<1.0 [d]	<1.0	26.1
	02/06/15	<5.0	<5.0	15	<7.5	15	<5.0	<5.0 [d]	<5.0	<50 [d]
	07/22/15	<2.0	<2.0	54	<3.0	54	<2.0	<2.0 [d]	<2.0	**36**
	01/19/17	<1.0	<1.0	84	<1.5	84	<1.0	<1.0 [d]	<1.0	**45.6**
	01/05/18	<1.0	<1.0	8.5	<1.5	8.5	<1.0	<1.0 [d]	<1.0	4.9
MW-8	03/29/96	**13**	<0.5	<0.5	<0.5	13	**790**	<0.01	<2.0	—
	05/01/97	**28**	2.2	1.5	1.8	33.5	**470**	—	—	—
	08/28/97	**18**	0.8	1.5	1.0	21.3	**480**	—	—	—

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-8 (cont.)	10/06/99	Well destroyed								
MW-9	03/29/96	**510**	18	72	91	691	77	<0.01	<0.2	—
	05/01/97	**3,900**	290	**1,500**	**3,900**	9,590	**170**	—	—	—
	08/29/97	**2,200**	250	**1,100**	**3,000**	6,550	**150**	—	—	—
	12/11/97	**2,300**	270	**1,300**	**3,300**	7,170	**130**	—	—	—
	07/14/99	**1,200**	59	280	**980**	2,519	<13	—	—	—
	10/07/99	**2,400**	170	**900**	**2,900**	6,370	<100	—	—	—
	08/06/04	**1,300**	54	**1,000**	**1,600**	3,954	**150**	<50 [d]	<50	**1,060**
	01/11/05	**2,300**	140	**1,400**	**3,200**	7,040	63	<50 [d]	<50	**1,100**
	09/15/05	**1,700**	170	**1,200**	**2,500**	5,570	<50	<50 [d]	<50	**320**
	08/16/11	**350**	24	**800**	**660**	1,834	4.5	<1.0 [d]	<1.0	**266**
	10/02/12	**32**	<10	<10	53	85	<10	<10 [d]	<10 [d]	<100 [d]
	07/17/13	**21**	<10	26	<15	47	<10	<10 [d]	<10 [d]	<100 [d]
	03/24/14	**28**	<2.0	38	4.0	70	3.0	<2.0 [d]	<2.0	<20
	02/05/15	**92**	<2.0	140	8.4	240.4	3.1	<1.0 [d]	<1.0	**34.9**
	07/22/15	**51**	<1.0	390	7.8	448.8	<1.0	<1.0 [d]	<1.0	**47.2**
	01/20/17	**100**	4.7	460	22	586.7	<2.0	<2.0 [d]	<2.0	**158**
	01/04/18	**31**	<5.0	230	15	276	<5.0	<5.0 [d]	<5.0	**105**

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-10	07/14/99	**890**	600	330	**2,000**	3,820	**160**	—	—	—
	10/06/99	**940**	450	310	**1,600**	3,300	**390**	—	—	—
	07/25/01	**1,900**	**2,200**	**1,000**	**5,400**	10,500	<250	—	—	—
	09/15/05	**410**	81	510	**1,600**	2,601	94	<20 [d]	<20	**120**
	08/16/11	**380**	6.7	390	**1,000**	1,776.7	**110**	<1.0 [d]	<1.0	**520**
	10/01/12	Well buried								
	07/08/13	Not sampled - 0.15 foot NAPL								
	03/26/14	**720**	26	**1,300**	**2,600**	4,646	**130**	<10 [d]	<10 [d]	**620**
	02/05/15	**530**	16	**840**	**1,200**	2,586	91	<5.0 [d]	<5.0	**301**
	07/23/15	**450**	11	440	**780**	1,681	61	<10 [d]	<10 [d]	**237**
	01/19/17	**390**	6.4	110	**760**	1,266.4	27	<5.0 [d]	<5.0	**258**
	01/05/18	**290**	<5.0	270	180	740	24	<5.0 [d]	<5.0	**30**
MW-11	03/28/96	**230**	13	64	63	370	**680**	<0.01	0.6	—
	05/01/97	**290**	22	91	59	462	**980**	—	—	—
	08/29/97	**42**	9.0	42	44	137	**1,100**	—	—	—
	08/06/04	**160**	2.3	82	37	281.3	63	<1.0 [d]	<1.0	4.3
	09/14/05	**40**	1.2	45	23	109.2	32	<1.0 [d]	<1.0	<10
	08/16/11	Well buried or destroyed								

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-11R	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	67	<1.0 [d]	<1.0	<10
	02/05/15	<1.0	<1.0	<1.0	<1.5	<4.5	50	<1.0 [d]	<1.0	<10
	07/23/15	<1.0	<1.0	<1.0	<1.5	<4.5	56	<1.0 [d]	<1.0	<10
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	49	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	47	<1.0 [d]	<1.0	<10
MW-12	03/28/96	**800**	110	390	260	1,560	**240**	<0.01	<2.0	—
	05/01/97	**1,200**	**950**	**800**	**2,600**	5,550	**210**	—	—	—
	08/29/97	**1,900**	**2,200**	**1,700**	**6,300**	12,100	**300**	—	—	—
	12/11/97	**360**	140	340	**950**	1,790	67	—	—	—
	07/14/99	**750**	240	530	**1,000**	2,520	<100	—	—	—
	10/06/99	**260**	110	180	360	910	65	—	—	—
	08/15/11	Not sampled - 0.30 foot NAPL								
	10/01/12	Not sampled - 0.19 foot NAPL								
	07/08/13	Not sampled - 0.33 foot NAPL								
	03/26/14	Not sampled - 0.04 foot NAPL								
	02/05/15	Not sampled - 0.08 foot NAPL								
	07/23/15	**620**	16	570	**1,100**	2,306	10	<1.0 [d]	<1.0	**225**
	01/20/17	**1,300**	30	710	**4,000**	6,040	5.5	<5.0 [d]	<5.0	**640**

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-12 (cont.)	01/05/18	**440**	<10	340	**800**	1,580	<10	<10 [d]	<10 [d]	**152**
MW-13	03/30/96	**18**	0.7	8.1	3.5	30.3	24	<0.01	<0.2	<10
	01/11/05	<1.0	<1.0	<1.0	<1.0	<4.0	2.1	<1.0 [d]	<1.0	<10
	03/24/05	5.4	<1.0	10	<1.0	15.4	1.1	<1.0 [d]	<1.0	<10
	06/07/05	1.0	<1.0	2.0	<1.0	3.0	1.9	<1.0 [d]	<1.0	<10
	09/14/05	5.3	<1.0	13	<1.0	18.3	3.3	<1.0 [d]	<1.0	<10
	08/16/11	Well buried or destroyed								
MW-13R	03/26/14	**89**	<1.0	92	15	196	1.5	<1.0 [d]	<1.0	<10
	02/05/15	Well buried								
	07/23/15	<1.0	<1.0	<1.0	<1.5	<4.5	1.6	<1.0 [d]	<1.0	<10
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
MW-14	03/28/96	<0.5	1.1	<0.5	0.5	1.6	<2.5	<0.01	<0.2	—
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	<2.5	—	—	—
	08/29/02	<1.0	<1.0	<1.0	<1.0	<4.0	88	<1.0 [d]	<1.0	—
	12/11/02	**13**	1.1	7.4	3.4	24.9	78	<1.0 [d]	<1.0	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10

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		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-14 (cont.)	08/16/11	Well buried or destroyed								
MW-15	03/28/96	3.6	<0.5	1.7	0.5	5.8	**590**	<1.0 [d]	1.6	—
	05/01/97	3.2	2.6	17	4.6	27.4	**490**	—	—	—
	08/28/97	4.7	0.5	6.6	3.0	14.8	**590**	—	—	—
	12/11/97	0.5	1.2	14	6.5	22.2	**1100**	—	—	—
	07/13/99	<0.5	1.9	22	4.1	28	**560**	—	—	—
	10/06/99	**140**	11	460	210	821	**260**	—	—	—
	01/06/00	<0.5	0.8	6.1	1.3	8.2	**430**	—	—	—
	02/24/00	2.6	<0.5	3.1	1.1	6.8	**390**	—	—	—
	11/02/00	3.9	1.6	160	62	227.5	**220**	—	—	—
	04/25/01	**17**	<0.5	61	19	97	**140**	—	—	—
	07/25/01	2.3	<0.5	14	5.0	21.3	**320**	—	—	—
	06/26/02	<1.0	<1.0	150	73	223	96	<1.0 [d]	<1.0	—
	08/29/02	<5.0	<5.0	84	23	107	79	<5.0 [d]	<5.0	—
	10/10/02	<5.0	<5.0	160	62	222	**370**	<5.0 [d]	9.6	—
	07/13/03	<1.0	<1.0	<1.0	<1.0	<4.0	68	<1.0 [d]	1.5	—
	08/06/04	4.7	<1.0	37	1.7	43.4	**200**	<1.0 [d]	<1.0	15
	01/10/05	**43**	<5.0	290	11	344	**210**	<5.0 [d]	<5.0	<50

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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-15 (cont.)	03/24/05	<1.0	<1.0	90	1.4	91.4	95	<1.0 [d]	<1.0	4.0
	06/07/05	<1.0	<1.0	4.2	<1.0	4.2	67	<1.0 [d]	<1.0	<10
	09/14/05	<1.0	<1.0	1.8	<1.0	1.8	**190**	<1.0 [d]	<1.0	<10
	08/16/11	<2.0	<2.0	<2.0	<3.0	<9.0	87	<2.0 [d]	<2.0	<20
	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	41	<1.0 [d]	<1.0	<10
	02/05/15	<1.0	<1.0	<1.0	<1.5	<4.5	33	<1.0 [d]	<1.0	<10
	07/23/15	<1.0	<1.0	<1.0	<1.5	<4.5	15	<1.0 [d]	<1.0	<10
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	30	<1.0 [d]	<1.0	<10
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	36	<1.0 [d]	<1.0	<10
MW-16	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	<2.5	<0.01	<0.2	—
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	3.0	—	—	—
	08/29/02	<1.0	<1.0	<1.0	<1.0	<4.0	7	<1.0 [d]	<1.0	—
	12/10/03	<1.0	<1.0	<1.0	<1.0	<4.0	15	<1.0 [d]	<1.0	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	16	<1.0 [d]	<1.0	<10
	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0 [d]	<1.0	<10
	08/16/11	<1.0	<1.0	<1.0	<1.5	<4.5	14	<1.0 [d]	<1.0	2.4
	10/02/12	<1.0	<1.0	<1.0	<1.5	<4.5	12	<1.0 [d]	<1.0	<10
	07/17/13	<1.0	<1.0	<1.0	<1.5	<4.5	11	<1.0 [d]	<1.0	<10

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[a] Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.
[b] New Mexico Water Quality Control Commission standard, unless otherwise noted.
[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-16 (cont.)	03/24/14	<2.0	<2.0	<2.0	<3.0	<9.0	9.3	<2.0 [d]	<2.0	<20
	02/06/15	<1.0	<1.0	<1.0	<1.5	<4.5	12	<1.0 [d]	<1.0	<10
	07/22/15	<1.0	<1.0	<1.0	<1.5	<4.5	11	<1.0 [d]	<1.0	<10
	01/20/17	<1.0	<1.0	<1.0	<1.5	<4.5	8.8	<1.0 [d]	<1.0	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<4.5	7.9	<1.0 [d]	<1.0	<10
MW-17	03/28/96	<0.5	<0.5	<0.5	<0.5	<20	**190**	<0.01	3.4	—
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	78	—	—	—
	07/14/99	<0.5	<0.5	<0.5	<0.5	<20	79	—	—	—
	10/06/99	<0.5	<0.5	<0.5	<0.5	<20	**120**	—	—	—
	01/06/00	<0.5	<0.5	<0.5	<0.5	<20	70	—	—	—
	02/24/00	<0.5	<0.5	<0.5	<0.5	<20	77	—	—	—
	11/02/00	<0.5	<0.5	<0.5	<0.5	<20	52	—	—	—
	01/20/01	<0.5	<0.5	<0.5	<0.5	<20	58	—	—	—
	04/26/01	<0.5	<0.5	<0.5	<0.5	<20	45	—	—	—
	07/25/01	<0.5	<0.5	<0.5	<0.5	<20	48	—	—	—
	06/26/02	<1.0	<1.0	<1.0	<1.0	<4.0	40	<1.0 [d]	1.2	—
	08/29/02	<1.0	<1.0	<1.0	<1.0	<4.0	33	<1.0 [d]	<1.0	—
	12/10/02	<1.0	<1.0	<1.0	<1.0	<4.0	43	<1.0 [d]	2.4	—

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All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.
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[b] New Mexico Water Quality Control Commission standard, unless otherwise noted.
[c] New Mexico Environmental Improvement Board standard.
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µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-17 (cont.)	07/17/03	<1.0	<1.0	<1.0	<1.0	<4.0	35	<1.0 [d]	1.7	—
	12/10/03	<1.0	<1.0	<1.0	<1.0	<4.0	41	<1.0 [d]	1.8	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	67	<1.0 [d]	1.8	<10
	09/15/05	<1.0	<1.0	<1.0	<1.0	<4.0	65	<1.0 [d]	<1.0	<10
	08/16/11	Well destroyed								
MW-19	03/29/96	**5,300**	190	250	54	5,794	**140**	<0.01	<1.0	—
	05/01/97	**2,400**	250	470	170	3,290	48	—	—	—
	08/29/97	**650**	5.0	<2.5	<2.5	655	28	—	—	—
	12/11/97	**2,000**	550	680	150	3,380	<50	—	—	—
	07/13/99	**190**	4.1	98	2.1	294	<2.5	—	—	—
	10/07/99	**170**	3.0	55	<0.5	228	<2.5	—	—	—
	01/07/00	**100**	1.9	57	<1.0	159	<5.0	—	—	—
	02/24/00	**61**	1.5	24	<0.5	87	<2.5	—	—	—
	11/02/00	5.9	12	7.8	33	59	13	—	—	—
	01/19/01	2.6	<0.5	<0.5	0.64	3.2	12	—	—	—
	04/25/01	2.5	<0.5	<0.5	<0.5	2.5	8.7	—	—	—
	07/25/01	1.2	<0.5	<0.5	<0.5	1.2	17	—	—	—
	12/10/02	1.4	<1.0	<1.0	<1.0	1.4	6.8	<1.0 [d]	<1.0	—

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[a] Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.
[b] New Mexico Water Quality Control Commission standard, unless otherwise noted.
[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-19 (cont.)	07/13/03	3.5	<1.0	<1.0	<1.0	3.5	10	<1.0 [d]	<1.0	—
MW-20	03/28/96	**18**	3.3	290	250	561.3	**1,000**	<0.01	0.6	—
	05/01/97	**49**	<20	490	**640**	1179	**280**	—	—	—
	08/28/97	**16**	<10	300	380	696	**210**	—	—	—
	11/02/00	<0.5	<0.5	<0.5	<0.5	<20	<2.5	—	—	—
	04/25/01	**12**	15	590	600	1217	62	—	—	—
	06/26/02	<5.0	<5.0	110	47	157	**210**	<5.0 [d]	<5.0	—
	12/10/02	<5.0	5.4	<5.0	300	305.4	**240**	<5.0 [d]	<5.0	—
	12/11/03	<5.0	<5.0	24	<5.0	24	**150**	<5.0 [d]	<5.0	—
	08/06/04	2.6	<1.0	8.6	<1.0	11.2	88	<1.0 [d]	<1.0	—
	09/14/05	<1.0	<1.0	3.6	85.8	89.4	28	<1.0 [d]	<1.0	<10
	08/16/11	<2.0	<2.0	<2.0	<3.0	<9.0	48	<2.0 [d]	<2.0	<20
MW-21	03/28/96	<0.5	<0.5	<0.5	<0.5	<20	<2.5	<0.01	<0.2	—
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	<2.5	—	—	—
	11/02/00	**18**	<10	**930**	**1,300**	2,248	**170**	—	—	—
	04/25/01	<0.5	<0.5	<0.5	<0.5	<20	<2.5	—	—	—
	12/11/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10

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[a] Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.
[b] New Mexico Water Quality Control Commission standard, unless otherwise noted.
[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-21 (cont.)	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
MW-22	01/10/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	03/24/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	08/16/11	Well buried								
	02/05/15	**120**	<100	**3,600**	**6,800**	10,520	<100 [d]	<100 [d]	<100 [d]	**540**
	07/23/15	<20 [d]	<20	590	480	1,070	<20	<20 [d]	<20 [d]	**380**
	01/19/17	<2.0	<2.0	24	<3.0	24	<2.0	<2.0 [d]	<2.0	17
	01/05/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
MW-23	01/11/05	**670**	420	**800**	**2,700**	4,590	**280**	<50 [d]	<50 [d]	**190**
	03/24/05	**340**	45	460	450	1,295	**150**	<5.0 [d]	<5.0	**35**
	06/08/05	**24**	<5.0	22	13	59	**340**	<5.0 [d]	<5.0	<10
	09/14/05	**83**	<5.0	40	5.8	129	**380**	<5.0 [d]	<5.0	<10
	08/16/11	Well buried								
	10/01/12	Not sampled - 0.08 foot NAPL								
	07/08/13	Not sampled - 0.20 foot NAPL								
	03/26/14	**11**	3.3	160	280	454.3	39	<1.0 [d]	<1.0	**115**

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[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
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— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-23 (cont.)	02/05/15	<50	<50	87	160	247	<50	<50 [d]	<50 [d]	<500 [d]
	07/23/15	4.2	<1.0	37	62	103.2	19	<1.0 [d]	<1.0	29.9
	01/19/17	**15**	2.5	69	210	296.5	20	<1.0 [d]	<1.0	**55**
	01/05/18	1.3	<1.0	7.6	9.3	18.2	11	<1.0 [d]	<1.0	<10
MW-24	03/26/14	<1.0	<1.0	1.9	<1.5	1.9	51	<1.0 [d]	1.1	<10
	02/05/15	<1.0	<1.0	<1.0	<1.5	<4.5	32	<1.0 [d]	1.4	<10
	07/23/15	No access								
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	29	<1.0 [d]	1.4	<10
	01/05/18	No access								
MW-25	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	36	<1.0 [d]	<1.0	<10
	02/05/15	<1.0	<1.0	<1.0	<1.5	<4.5	27	<1.0 [d]	<1.0	<10
	07/23/15	No access								
	01/19/17	No access								
	01/05/18	No access								
PF-1	07/25/01	**92**	62	190	230	574	**170**	—	—	—
	12/11/02	**55**	150	310	**700**	1,215	**180**	<10 [d]	<10 [d]	—
	08/06/04	**860**	**3,600**	**2,800**	**10,000**	17,260	<250	<250 [d]	<250 [d]	**1,400**
	01/11/05	**910**	**5,200**	**3,900**	**16,000**	26,010	**110**	<50 [d]	<50 [d]	**1,920**

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[c] New Mexico Environmental Improvement Board standard.
[d] Laboratory reporting limit is equal or greater than the NMWQCC standard.

µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
PF-1 (cont.)	03/24/05	**850**	**5,300**	**4,900**	**21,000**	32,050	<100	<100 [d]	<100 [d]	**1,520**
	06/08/05	**270**	**1,200**	**1,800**	**5,200**	8,470	<100	<100 [d]	<100 [d]	**530**
	09/15/05	**300**	**1,100**	**1,800**	**6,000**	9,200	<100	<100 [d]	<100 [d]	**490**
	08/15/11	Not sampled - 0.03 foot NAPL								
	10/01/12	Not sampled - 0.60 foot NAPL								
	07/08/13	Not sampled - 0.02 foot NAPL								
	03/25/14	**52**	46	**2,000**	**3,800**	5,898	<10	<10 [d]	<10 [d]	**980**
	02/06/15	**37**	18	**1,500**	**2,700**	4,255	<10	<10 [d]	<10 [d]	**1,070**
	07/22/15	**54**	20	**2,000**	**3,600**	5,674	<10	<10 [d]	<10 [d]	**1,220**
	01/19/17	**50**	17	**2,400**	**4,400**	6,867	<10	<10 [d]	<10 [d]	**2,460**
	01/04/18	**12**	<20	**1,300**	**680**	1,992	<20	<20 [d]	<20 [d]	**600**
PF-3	03/30/96	5.7	<0.5	1.1	1.4	8.2	27	<0.01	<0.2	—
	05/01/97	**150**	8.9	100	31	289.9	92	—	—	—
	12/11/03	**20**	2.5	2.4	4.8	29.7	2.9	<1.0 [d]	<1.0	—
	08/06/04	**410**	21	330	56	817	21	<1.0 [d]	<1.0	**50.3**
	01/11/05	**310**	<5.0	190	<5.0	500	34	<5.0 [d]	<5.0	<50
	03/24/05	**95**	<5.0	38	8.1	141.1	12	<5.0 [d]	<5.0	<50
	06/07/05	**76**	6.3	34	150	266.3	15	<5.0 [d]	<5.0	**195**

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[c] New Mexico Environmental Improvement Board standard.
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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
PF-3 (cont.)	09/15/05	**18**	<1.0	1.7	86.7	106.4	8.0	<1.0 [d]	<1.0	<10
	08/16/11	<1.0	<1.0	<1.0	<1.5	<4.5	1.3	<1.0 [d]	<1.0	<10
	10/02/12	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	07/09/13	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	03/25/14	3.5	<1.0	1.5	<1.5	5.0	<1.0	<1.0 [d]	<1.0	<10
	02/06/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	07/22/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/19/17	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
PF-4	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	4.7	<0.01	<0.2	—
	Well destroyed									
MWAL-1	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	16	<0.01	<0.2	—
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	27	<0.01	<0.2	—
	12/10/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	—	—	—
	08/06/04	<1.0	<1.0	<1.0	<1.0	<4.0	1.6	<1.0 [d]	<1.0	<10
	01/10/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0 [d]	<1.0	<10
	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	16	<0.01	<0.2	<10
	09/14/05	<1.0	<1.0	<1.0	<1.0	<4.0	1.2	<1.0 [d]	<1.0	<10

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[a] Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.
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[c] New Mexico Environmental Improvement Board standard.
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µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MWAL-1 (cont.)	08/16/11	<1.0	<1.0	<1.0	<1.5	<4.5	1.0	<1.0 [d]	<1.0	<10
	10/02/12	<2.0	<2.0	<2.0	<3.0	<9.0	<2.0	<2.0 [d]	<2.0	<20
	07/08/13	<1.0	<1.0	<1.0	<1.5	<4.5	1.0	<1.0 [d]	<1.0	<10
	03/24/14	<2.0	<2.0	<2.0	<3.0	<9.0	<2.0	<2.0 [d]	<2.0	<20
	02/06/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	07/22/15	<1.0	<1.0	<1.0	<1.5	<4.5	1.3	<1.0 [d]	<1.0	<10
	01/20/17	<1.0	<1.0	<1.0	<1.5	<4.5	2.4	<1.0 [d]	<1.0	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<4.5	1.3	<1.0 [d]	<1.0	<10
MWAL-2	03/29/96	**1,900**	7	160	86	2,153	**1,000**	<0.01	0.8	—
	05/01/97	**2,300**	37	89	80	2,506	**1,200**	—	—	—
	08/29/97	**1,600**	9.7	180	88	1,877.7	**860**	—	—	—
	12/11/97	**2,200**	18	250	180	2,648	**1,000**	—	—	—
	07/14/99	**2,000**	16	300	360	2,676	**540**	—	—	—
	10/07/99	**2,500**	57	440	520	3517	**1,300**	—	—	—
	01/07/00	**2,100**	13	240	270	2623	**700**	—	—	—
	02/25/00	**970**	8.1	210	220	1408.1	**710**	—	—	—
	11/03/00	**330**	<10	96	30	456	**400**	—	—	—
	01/20/01	**430**	<10	100	48	578	**470**	—	—	—

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MWAL-2 (cont.)	04/26/01	**220**	<5.0	45	26	291	**280**	—	—	—
	07/26/01	**870**	11	190	120	1191	**790**	—	—	—
	06/27/02	**330**	<20	94	22	446	**410**	<20 [d]	<20 [d]	—
	08/29/02	**270**	<10	62	<10	332	**490**	<10 [d]	<10 [d]	—
	12/10/02	**220**	5.6	52	22	299.6	**470**	<5.0 [d]	<5.0	—
	07/17/03	**180**	11	99	190	480	**210**	<5.0 [d]	<5.0	—
	08/06/04	**2,300**	410	**1,600**	**4,400**	8,710	**690**	<100 [d]	<100 [d]	**490**
	01/11/05	**3,100**	490	**2,300**	**6,000**	11,890	**820**	<50 [d]	<50 [d]	**780**
	03/24/05	**2,300**	450	**2,600**	**7,100**	12,450	**740**	<50 [d]	<50 [d]	**490**
	06/08/05	**2,900**	360	**2,400**	**6,500**	12,160	**1,000**	<100 [d]	<100 [d]	**680**
	09/14/05	Not sampled - 0.02 foot NAPL								
	08/15/11	Not sampled - 0.23 foot NAPL								
	10/01/12	Not sampled - 0.43 foot NAPL								
	07/08/13	Well destroyed								
MWAL-2R	03/24/14	**140**	4.7	49	56	249.7	56	<1.0 [d]	<1.0	16.6
	02/06/15	**27**	<1.0	14	<1.5	41	55	<1.0 [d]	<1.0	<10
	07/22/15	**330**	11	480	160	981	62	<1.0 [d]	<1.0	**73**
	01/20/17	**150**	2.1	97	6.5	255.6	53	<1.0 [d]	<1.0	13

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MWAL-2R (cont.)	01/04/18	**31**	<1.0	33	<1.5	64	13	<1.0 [d]	<1.0	3.7
AEE-1	07/14/99	**1,200**	410	**1,700**	**2,300**	5,610	**1,400**	—	—	—
	10/07/99	**23**	6.8	58	110	197.8	29	—	—	—
	01/07/00	**61**	20	32	35	148	49	—	—	—
	02/25/00	7.5	2.1	12.0	9.4	31	**220**	—	—	—
	11/03/00	**23**	65	18	64	170	**150**	—	—	—
	01/20/01	**25**	97	18	83	223	**460**	—	—	—
	04/26/01	**730**	**4,300**	530	**2,300**	7,860	**630**	—	—	—
	07/25/01	**1,100**	**7,000**	**890**	**4,200**	13,190	**780**	—	—	—
	06/27/02	<5.0	<5.0	<5.0	10	10	**250**	<5.0 [d]	<5.0	—
	08/29/02	**50**	130	33	120	333	**240**	<5.0 [d]	<5.0	—
	12/11/02	**26**	9.9	24	72	131.9	**210**	<5.0 [d]	<5.0	—
	07/17/03	**42**	110	13	110	275	65	<5.0 [d]	<5.0	—
	12/11/03	**230**	530	180	**670**	1,610	78	<5.0 [d]	<5.0	—
	08/05/04	Well destroyed								
AEE-1R	03/25/14	1.2	<1.0	20	140	161.2	3.9	<1.0 [d]	<1.0	21.8
	02/06/15	4.8	1.1	95	150	250.9	10	<1.0 [d]	<1.0	21
	07/22/15	**14**	5.9	670	**1,500**	2,189.9	40	<1.0 [d]	<1.0	**181**

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
AEE-1R (cont.)	01/20/17	**11**	4.5	530	**1,400**	1,945.5	35	<1.0 [d]	<1.0	**279**
	01/05/18	<1.0	<1.0	32	47	79	2.1	<1.0 [d]	<1.0	8.1
AEE-2	07/14/99	**85**	<5.0	330	<5.0	415	63	—	—	—
	10/07/99	**13**	0.6	50	3.2	66.8	19	—	—	—
	01/07/00	4.0	<0.5	13	2.7	19.7	<2.5	—	—	—
	02/25/00	4.4	<0.5	9.0	3.0	16.4	<2.5	—	—	—
	11/03/00	14	2.2	9.4	89	114.6	<2.5	—	—	—
	01/20/01	5.2	0.66	16	13	34.86	<2.5	—	—	—
	04/26/01	6.4	1.3	50	53	110.7	<2.5	—	—	—
	06/27/02	7.2	<1.0	19	30	56.2	5.2	<1.0 [d]	<1.0	—
	08/29/02	4.8	<1.0	14	5.0	23.8	5.8	<1.0 [d]	<1.0	—
	12/11/02	5.7	1.1	12	10	28.8	13	<1.0 [d]	<1.0	—
	07/17/03	3.0	1.3	4.7	9.5	18.5	8.8	<1.0 [d]	<1.0	—
	12/11/03	6.6	<1.0	50	36	92.6	13	<1.0 [d]	<1.0	—
	08/06/04	**39**	2.4	**940**	590	1,571.4	25	<1.0 [d]	<1.0	**507**
	01/11/05	**33**	<20	710	300	1,043	<20	<20 [d]	<20 [d]	**352**
	03/24/05	**40**	<10	630	210	880	12	<10 [d]	<10 [d]	**112**
	06/07/05	**22**	<10	260	32	314	<10	<10 [d]	<10 [d]	<40

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— = Not analyzed

Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
AEE-2 (cont.)	09/15/05	**15**	<5.0	190	42	247	<5.0	<5.0 [d]	<5.0	**36**
	08/16/11	<1.0	<1.0	3.9	<1.5	3.9	<1.0	<1.0 [d]	<1.0	8.4
	10/02/12	<2.0	<2.0	<2.0	<3.0	<9.0	<2.0	<2.0 [d]	<2.0	<20
	07/09/13	<1.0	<1.0	2.8	<1.5	2.8	1.4	<1.0 [d]	<1.0	<10
	03/25/14	<2.0	<2.0	5.2	<3.0	5.2	<2.0	<2.0 [d]	<2.0	<20
	02/06/15	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	07/22/15	<1.0	<1.0	1.2	<1.5	1.2	<1.0	<1.0 [d]	<1.0	<10
	01/20/17	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10
	01/04/18	<1.0	<1.0	<1.0	<1.5	<4.5	<1.0	<1.0 [d]	<1.0	<10

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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
Page 1 of 13

Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-1	09/15/05	0.00	–275.9	—	—	—	—	—
	08/16/11	1.26	–150	—	—	—	—	—
	02/05/15	0.50	–152.2	—	—	—	—	—
	07/23/15	0.51	–181.4	—	—	—	—	—
	01/19/17	0.54	–101.7	—	—	—	—	—
	01/05/18	0.79	–213.9	—	—	—	—	—
MW-2	12/10/03	0.44	147	—	—	**3.0**	**1.1**	<0.005
	08/06/04	0.00	–100.7	—	—	—	—	—
	01/10/05	0.00	–78.8	—	—	—	—	—
	03/24/05	0.00	–134.4	—	—	—	—	—
	06/07/05	0.16	–89.5	—	—	—	—	—
	09/14/05	0.23	–60.5	—	—	—	—	—
	08/16/11	1.27	–71	—	—	—	—	—
	10/01/12	0.32	–54	—	—	—	—	—
	07/09/13	0.65	–50.9	—	—	—	—	—
	02/05/15	0.45	–136.7	—	—	—	—	—
	07/23/15	0.51	–112.2	—	—	—	—	—
	01/19/17	0.50	–226.4	—	—	—	—	—
	01/05/18	0.70	129.7	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

DO = Dissolved oxygen
ORP = Oxidation-reduction potential
mg/L = Milligrams per liter
mV = Millivolts
NMWQCC = New Mexico Water Quality Control Commission
— = Not analyzed

Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
				Nitrate	Sulfate	Dissolved Metals		
						Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-4	02/05/15	1.08	–174.7	—	—	—	—	—
	07/23/15	0.55	–94.2	—	—	—	—	—
	01/19/17	0.75	–197	—	—	—	—	—
	01/05/18	1.14	–241.9	—	—	—	—	—
MW-6	06/27/02	0.46	44	<1.0	260	0.45	**0.4**	<0.005
	12/11/02	2.47	8	<1.0	120	0.15	**0.32**	<0.005
	07/17/03	0.74	437	—	—	—	—	—
	12/11/03	0.33	–134	—	—	**1.8**	**1.0**	<0.005
	08/06/04	0.00	–11.3	—	—	—	—	—
	01/10/05	0.16	2.1	—	—	—	—	—
	09/14/05	0.37	94.1	—	—	—	—	—
	08/16/11	0.85	–44	—	—	—	—	—
	10/01/12	1.28	161	—	—	—	—	—
	07/09/13	0.58	17	—	—	—	—	—
	03/26/14	2.40	–39.8	—	—	—	—	—
	02/05/15	0.93	107.1	—	—	—	—	—
	07/23/15	0.67	4.8	—	—	—	—	—
	01/19/17	0.92	–193.9	—	—	—	—	—
	01/05/18	1.21	13.5	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-7	06/27/02	0.42	–55	1.8	310	**1.1**	**0.27**	<0.005
	12/11/02	2.23	10	<1.0	260	0.11	0.13	<0.005
	07/17/03	0.37	275	—	—	—	—	—
	08/06/04	0.00	–58.9	—	—	—	—	—
	03/24/05	0.00	–139.2	—	—	—	—	—
	06/07/05	0.00	–110.9	—	—	—	—	—
	09/15/05	0.00	–56.6	—	—	—	—	—
	08/16/11	0.70	–113	—	—	—	—	—
	10/02/12	1.28	186	—	—	—	—	—
	03/25/14	0.82	–50.4	—	—	—	—	—
	02/06/15	0.34	–162.9	—	—	—	—	—
	07/22/15	1.97	–119.5	—	—	—	—	—
	01/19/17	0.49	–280.3	—	—	—	—	—
	01/05/18	1.26	–91.3	—	—	—	—	—
MW-9	08/06/04	0.00	–129.8	—	—	—	—	—
	01/10/05	0.00	–127.6	—	—	—	—	—
	09/15/05	0.00	–192.9	—	—	—	—	—
	08/16/11	1.03	–59	—	—	—	—	—
	10/02/12	0.13	–18	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-9 (cont.)	07/08/13	6.28	–124.9	—	—	—	—	—
	03/24/14	1.02	–75.2	—	—	—	—	—
	02/05/15	0.59	–124.7	—	—	—	—	—
	07/22/15	1.49	–106.5	—	—	—	—	—
	01/20/17	0.32	–72.9	—	—	—	—	—
	01/04/18	1.05	–80.8	—	—	—	—	—
MW-10	09/15/05	0.00	–216.9	—	—	—	—	—
	08/16/11	0.57	–234	—	—	—	—	—
	03/26/14	0.62	–218	—	—	—	—	—
	02/05/15	0.65	–213.4	—	—	—	—	—
	07/23/15	0.53	–160.3	—	—	—	—	—
	01/19/17	0.49	–239.3	—	—	—	—	—
	01/05/18	1.27	–214.2	—	—	—	—	—
MW-11	08/06/04	0.00	–94.2	—	—	—	—	—
	09/14/05	0.00	–63.4	—	—	—	—	—
MW-11R	03/26/14	2.61	67.4	—	—	—	—	—
	02/05/15	1.22	–15.1	—	—	—	—	—
	07/23/15	1.18	–32.0	—	—	—	—	—
	01/19/17	0.49	–40	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
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DO = Dissolved oxygen
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mg/L = Milligrams per liter
mV = Millivolts
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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-11R (cont.)	01/05/18	1.32	–124.9	—	—	—	—	—
MW-12	07/23/15	0.36	–149.9	—	—	—	—	—
	01/20/17	1.32	–177.6	—	—	—	—	—
MW-13	01/10/05	0.07	–90.4	—	—	—	—	—
	03/24/05	0.00	–72.1	—	—	—	—	—
	06/07/05	0.00	–87.2	—	—	—	—	—
	09/14/05	0.00	–63.2	—	—	—	—	—
MW-13R	03/26/14	2.45	–86.6	—	—	—	—	—
	07/23/15	0.97	–106.4	—	—	—	—	—
	01/19/17	0.63	–82.5	—	—	—	—	—
	01/05/18	0.80	–185.9	—	—	—	—	—
MW-14	12/11/02	2.15	–55	<1.0	140	**7.2**	**0.57**	<0.005
	08/06/04	0.00	–58.6	—	—	—	—	—
	09/14/05	0.00	–63.8	—	—	—	—	—
MW-15	06/26/02	0.36	23	<1.0	**1,200**	**9.7**	**0.58**	<0.005
	12/10/02	2.32	–52	<1.0	**980**	**11**	**0.46**	<0.005
	07/17/03	0.27	378	—	—	—	—	—
	08/06/04	0.00	–65.4	—	—	—	—	—
	01/10/05	0.00	–88.1	—	—	—	—	—

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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-15 (cont.)	03/24/05	0.00	–63.9	—	—	—	—	—
	06/07/05	0.00	–65.9	—	—	—	—	—
	09/14/05	0.00	–67.7	—	—	—	—	—
	08/16/11	0.82	–56	—	—	—	—	—
	03/26/14	1.66	–98.6	—	—	—	—	—
	02/05/15	3.82	–58.6	—	—	—	—	—
	07/23/15	1.27	–61.5	—	—	—	—	—
	01/19/17	1.14	33	—	—	—	—	—
	01/05/18	1.42	–92.5	—	—	—	—	—
MW-16	12/10/03	1.02	162	—	—	0.02	**0.58**	<0.005
	08/06/04	0.00	180.9	—	—	—	—	—
	09/14/05	0.00	249.7	—	—	—	—	—
	08/16/11	0.43	–117	—	—	—	—	—
	10/02/12	0.76	201	—	—	—	—	—
	07/08/13	1.09	–31.4	—	—	—	—	—
	03/24/14	1.79	27.8	—	—	—	—	—
	02/06/15	0.71	–77.7	—	—	—	—	—
	07/22/15	1.85	–8.5	—	—	—	—	—
	01/20/17	0.49	–29.5	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-16 (cont.)	01/04/18	1.34	198.4	—	—	—	—	—
MW-17	06/26/02	0.46	105	<1.0	**1,300**	<0.02	0.15	0.0054
	12/10/02	1.44	84	<1.0	**1,200**	0.022	0.17	<0.005
	07/17/03	0.32	322	—	—	—	—	—
	12/10/03	0.50	172	—	—	0.026	0.14	<0.005
	08/06/04	0.00	128.3	—	—	—	—	—
	09/15/05	1.10	170.9	—	—	—	—	—
MW-19	12/10/02	1.20	–28	<1.0	**1,300**	**2.1**	**0.7**	<0.005
	07/17/03	0.64	235	—	—	—	—	—
MW-20	06/26/02	0.91	–28	<1.0	**700**	**10**	**1.8**	0.005
	10/10/02	0.82	–66	<1.0	**610**	**9.7**	**1.5**	<0.005
	12/11/03	0.66	103	—	—	**4.5**	**1.1**	<0.005
	08/06/04	0.33	–113.1	—	—	—	—	—
	09/14/05	0.00	–75.4	—	—	—	—	—
	08/16/11	0.78	–163	—	—	—	—	—
MW-21	12/11/03	0.45	–29	—	—	0.3	**0.4**	<0.005
	08/06/04	0.00	101.9	—	—	—	—	—
	09/14/05	0.92	136.9	—	—	—	—	—
MW-22	01/10/05	0.04	146.4	—	—	—	—	—

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mg/L = Milligrams per liter
mV = Millivolts
NMWQCC = New Mexico Water Quality Control Commission
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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-22 (cont.)	03/24/05	0.53	178.2	—	—	—	—	—
	06/07/05	0.50	199.9	—	—	—	—	—
	09/14/05	0.38	189.8	—	—	—	—	—
	02/05/15	0.22	–112.3	—	—	—	—	—
	07/23/15	2.88	–60.0	—	—	—	—	—
	01/19/17	0.70	41	—	—	—	—	—
	01/05/18	1.36	–168.1	—	—	—	—	—
MW-23	01/10/05	0.00	–40.2	—	—	—	—	—
	03/24/05	0.00	–85.1	—	—	—	—	—
	06/08/05	0.19	–111.9	—	—	—	—	—
	09/15/05	0.00	–90.3	—	—	—	—	—
	03/26/14	0.56	–200	—	—	—	—	—
	02/05/15	0.29	–207.9	—	—	—	—	—
	07/23/15	0.78	–164.6	—	—	—	—	—
	01/19/17	1.03	–209.9	—	—	—	—	—
	01/05/18	0.80	–185.4	—	—	—	—	—
MW-24	03/26/14	0.20	–32.6	—	—	—	—	—
	02/05/15	0.60	–33.6	—	—	—	—	—
	01/19/17	0.84	12.6	—	—	—	—	—

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NMWQCC = New Mexico Water Quality Control Commission
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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MW-25	03/26/14	1.77	–83.9	—	—	—	—	—
	02/05/15	1.37	–70.6	—	—	—	—	—
MWAL-1	12/10/03	3.98	236	—	—	0.033	0.024	<0.005
	08/06/04	0.85	266.7	—	—	—	—	—
	01/10/05	1.03	227	—	—	—	—	—
	06/08/05	0.68	134.2	—	—	—	—	—
	09/14/05	1.58	260.4	—	—	—	—	—
	08/16/11	2.40	45	—	—	—	—	—
	10/02/12	1.18	120	—	—	—	—	—
	07/08/13	4.31	224.6	—	—	—	—	—
	03/24/14	6.53	–22.5	—	—	—	—	—
	02/06/15	4.47	–61.4	—	—	—	—	—
	07/22/15	3.59	–84.7	—	—	—	—	—
	01/20/17	0.65	–6.1	—	—	—	—	—
	01/04/18	2.24	221	—	—	—	—	—
MWAL-2	06/27/02	0.62	–92	<1.0	230	**11.0**	**0.7**	<0.005
	12/10/02	1.43	–63	<1.0	300	**8.9**	**0.7**	<0.005
	07/17/03	0.57	228	—	—	—	—	—
	08/06/04	0.00	–128.3	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
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mg/L = Milligrams per liter
mV = Millivolts
NMWQCC = New Mexico Water Quality Control Commission
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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico

Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
				Nitrate	Sulfate	Dissolved Metals		
						Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
MWAL-2 (cont.)	01/10/05	0.00	–145.5	—	—	—	—	—
	03/24/05	0.00	–138.7	—	—	—	—	—
	06/08/05	0.00	–121.1	—	—	—	—	—
MWAL-2R	03/24/14	2.52	48.4	—	—	—	—	—
	02/06/15	0.30	–124.6	—	—	—	—	—
	07/22/15	0.72	–55.6	—	—	—	—	—
	01/20/17	0.38	–87.4	—	—	—	—	—
	01/04/18	0.96	–31.2	—	—	—	—	—
AEE-1	06/27/02	0.46	–106	<1.0	140	**1.2**	0.1	<0.005
	12/11/02	2.23	10	<1.0	90	0.8	0.1	<0.005
	07/17/03	0.43	216	—	—	—	—	—
	12/11/03	0.60	155	—	—	0.7	0.1	<0.005
AEE-1R	03/25/14	2.08	15.3	—	—	—	—	—
	02/06/15	0.41	–94.7	—	—	—	—	—
	07/22/15	1.93	–71.1	—	—	—	—	—
	01/20/17	0.79	–61.6	—	—	—	—	—
	01/05/18	—	–46.2	—	—	—	—	—
AEE-2	06/27/02	1.54	138	2.2	190	0.063	**0.26**	<0.005
	12/11/03	3.61	12	<1.0	140	0.28	**0.24**	<0.005

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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
AEE-2 (cont.)	07/17/03	0.32	329	—	—	—	—	—
	12/11/03	0.82	41	—	—	0.22	**0.32**	<0.005
	08/06/04	0.22	–29.8	—	—	—	—	—
	01/10/05	0.36	–44.9	—	—	—	—	—
	03/24/05	0.00	–56.5	—	—	—	—	—
	06/07/05	0.65	–24.6	—	—	—	—	—
	09/15/05	1.15	21.4	—	—	—	—	—
	08/16/11	0.70	–115	—	—	—	—	—
	10/02/12	2.07	–16	—	—	—	—	—
	07/09/13	1.61	–48.9	—	—	—	—	—
	03/25/14	0.79	–81	—	—	—	—	—
	02/06/15	0.64	–91	—	—	—	—	—
	07/22/15	0.71	–97.3	—	—	—	—	—
	01/20/17	0.53	–54.7	—	—	—	—	—
	01/04/18	1.44	–109.3	—	—	—	—	—
PF-1	12/11/02	2.51	–61	2.2	100	**5.7**	**0.6**	<0.005
	08/06/04	0.00	–102	—	—	—	—	—
	01/10/05	0.00	–80.8	—	—	—	—	—
	03/24/05	0.00	–128.7	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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Table 3. Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
PF-1 (cont.)	06/08/05	0.07	–105.7	—	—	—	—	—
	09/15/05	0.00	–166.9	—	—	—	—	—
	03/25/14	0.92	–126.1	—	—	—	—	—
	02/06/15	1.32	–85	—	—	—	—	—
	07/22/15	0.82	–114.0	—	—	—	—	—
	01/19/17	0.43	–162.1	—	—	—	—	—
	01/04/18	1.24	–144.9	—	—	—	—	—
PF-3	12/11/03	0.90	87	—	—	**1.6**	**0.65**	<0.005
	08/06/04	0.00	–85.1	—	—	—	—	—
	01/10/05	0.00	–82.9	—	—	—	—	—
	03/24/05	0.00	–82.1	—	—	—	—	—
	06/07/05	0.00	–75.3	—	—	—	—	—
	09/15/05	0.00	–32.8	—	—	—	—	—
	08/16/11	0.55	–179	—	—	—	—	—
	10/02/12	1.24	35	—	—	—	—	—
	07/09/13	0.95	59.7	—	—	—	—	—
	03/25/14	1.10	–94.9	—	—	—	—	—
	02/06/15	0.19	–87.6	—	—	—	—	—
	07/22/15	0.88	–118.3	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
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Well	Date	DO (mg/L)	ORP (mV)	Concentration (mg/L)				
						Dissolved Metals		
				Nitrate	Sulfate	Iron	Manganese	Lead
NMWQCC Standards		*None*	*None*	*10*	*600*	*1.0*	*0.2*	*0.05*
PF-3 (cont.)	01/19/17	0.36	–206.1	—	—	—	—	—
	01/04/18	0.86	–66.1	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.
All data prior to 08/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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Table 4. Summary of NAPL Recovery
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico
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Date	Depth to Water [a] (ft btoc)	Depth to NAPL (ft btoc)	Initial NAPL Thickness (feet)	Depth to Water [b] (ft btoc)	Total Volume of Fluids Removed (gallons)	Volume of NAPL Removed (gallons)	Cumulative Volume of NAPL Removed (gallons)	Final Thickness of NAPL (feet)
Between January 2004 and September 2005, approximately 4.35 gallons of NAPL was recovered from the site by DBS&A and Haller and Associates, Inc. [c]								
MW-1								
10/01/12	16.70	16.09	0.61	16.24	1.76	0.55	0.55	0.0
07/09/13	15.73	15.70	0.03	15.71	1.75	0.01	0.56	0.0
03/26/14	14.97	14.96	0.01	14.96	1.50	Sheen	0.56	0.0
MW-4								
08/16/11	16.12	16.11	0.01	16.11	1.0	0.01	0.01	0.0
03/26/12	16.20	16.15	0.05	16.16	1.0	0.01	0.02	0.0
10/01/12	16.80	ND	0.02 [d]	16.79	2.5	0.31	0.33	0.0
07/09/13	17.33	17.30	0.03	17.31	3.0	0.01	0.34	0.0
MW-7								
07/08/13	18.30	ND	0.08 [d]	18.24	3.0	0.10	0.10	0.0
MW-10								
07/08/13	16.00	15.85	0.15	15.89	3.75	0.03	0.03	0.0
MW-12								
08/16/11	15.95	15.65	0.30	15.73	0.81	0.09	0.09	0.0
03/26/12	16.01	15.69	0.32	15.77	1.95	0.05	0.14	0.0

[a] Depth to water (DTW) before correction for NAPL thickness.
[b] DTW corrected for NAPL thickness using the following equation: DTW = DTW - (NAPL thickness x 0.75).
[c] From Table 4, PSH Removal Data (Haller, 2005)
[d] NAPL thickness confirmed with bailer

NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing
ND = Not detected with interface probe

Table 4. Summary of NAPL Recovery
Ross Texaco, Pino's Fina, Allsups 294 Sites, Las Vegas, New Mexico

Date	Depth to Water [a] (ft btoc)	Depth to NAPL (ft btoc)	Initial NAPL Thickness (feet)	Depth to Water [b] (ft btoc)	Total Volume of Fluids Removed (gallons)	Volume of NAPL Removed (gallons)	Cumulative Volume of NAPL Removed (gallons)	Final Thickness of NAPL (feet)
MW-12 (cont.)								
10/02/12	16.41	ND	0.19 [d]	16.27	5.5	0.75	0.89	0.0
07/09/13	16.33	16.00	0.33	16.08	6.0	0.40	1.29	0.01
03/26/14	15.31	15.27	0.04	15.28	2.0	0.10	1.39	0.0
02/05/15	15.14	15.06	0.08	15.08	0.75	0.06	1.45	0.0
07/07/16	14.84	14.76	0.08	14.78	0.35	0.005	1.46	0.0
MW-23								
10/02/12	15.40	ND	0.08 [d]	15.34	3.5	0.3	0.3	0.0
07/09/13	15.80	15.60	0.20	15.65	3.50	0.03	0.33	0.0
MWAL-2								
08/16/11	16.71	16.48	0.23	16.54	0.38	0.02	0.02	0.0
03/26/12	16.67	16.55	0.12	16.58	2.75	0.01	0.03	0.0
10/02/12	17.73	17.30	0.43	17.41	1.90	0.20	0.23	0.0
07/08/13	Well Destroyed during UST removal in November 2013							
PF-1								
08/16/11	18.11	18.08	0.03	18.09	0.50	0.01	0.01	0.0
10/02/12	19.40	18.80	0.60	18.95	3.85	0.31	0.32	0.0
07/09/13	19.42	19.40	0.02	19.41	2.50	0.01	0.33	0.0

[a] Depth to water (DTW) before correction for NAPL thickness.
[b] DTW corrected for NAPL thickness using the following equation: DTW = DTW - (NAPL thickness x 0.75).
[c] From Table 4, PSH Removal Data (Haller, 2005)
[d] NAPL thickness confirmed with bailer

NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing
ND = Not detected with interface probe

Appendices

Site Name: Allsups 294
PSTB Facility #: 26519
Date: February 16, 2018

LIST OF APPENDICES

Appendix		Included	N/A
1	Sampling Protocol	X	
2	Field Notes	X	
3	Laboratory Report	X	
4	Graphs Showing Changes in Groundwater Elevations, Contaminant Concentrations, and NAPL Thickness in Site Wells over Time	X	

Appendix 1

Sampling Protocol

Appendix 1. Sampling Protocol

1.1 Fluid Level and Parameter Measurements

Prior to collection of groundwater samples, a Solinst interface probe or equivalent device will be used to determine depths to water. The interface probe will be decontaminated before each measurement using a solution of deionized water and Liquinox (or equivalent) soap. Water level data will be used to construct a site potentiometric surface map. A YSI Professional water quality meter or equivalent device will be used to measure specific conductivity, pH, temperature, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Field parameters will be measured at intervals of no less than once per casing volume during purging of a well for sampling.

1.2 Groundwater Monitor Well Sampling

DBS&A will attempt to sample wells from the least contaminated to the most contaminated well using data from the previous sampling event. After collecting fluid levels and prior to sampling, each well will be purged. To ensure a fresh flow of groundwater into the well bore, a minimum of three casing volumes will be removed from each well. If a well is purged dry, it will be sampled when the well has recharged. Wells will be purged and sampled using new dedicated, disposable, polyethylene bailers. To minimize volatilization and ensure sample integrity, dedicated, disposable, polyethylene bottom-emptying devices will be used to transfer groundwater samples from the bailers to the appropriate sample containers.

Disposition of purge and decontamination water will follow Section 1.7 of the Guidelines. Water will be disposed on the ground within the site boundaries, preferably on an impervious surface and near the well of origin. Purge water must not contain NAPL, must not endanger public health or safety, and must not enter a surface water body or tributary, including an arroyo. Any purged fluids containing NAPL will be containerized for future disposal at a licensed facility.

Samples analyzed for volatile organic analytes (VOAs) will be collected in 40-milliliter (mL) glass vials containing mercuric chloride preservative and capped with Teflon septa caps. VOA containers will be filled in a manner that prevents headspace in the vials. Samples analyzed for

dissolved iron, lead, and manganese will be field-filtered with 0.45-micron disposable filters, collected in 250-mL plastic containers, and preserved with nitric acid to a pH of less than 2. Samples analyzed for nitrate and sulfate will be collected in 500-mL plastic containers containing no preservative.

Immediately after collection, the sample containers will be placed on ice in an insulated cooler for delivery to the laboratory for analyses. Groundwater samples will be accompanied by full chain-of-custody documentation at all times.

Appendix 2

Field Notes

1/4/18 J. Fisher

1135 Onsite. Weather is cool (~50°F), overcast, calm. Gauge site works. See Form for Details.

Calibrate YSI-556 MPS. See Form for Details.

1245 ~~12~~ Begin GW Sampling. See Forms for Details.

Daniel B. Stephens & Associates, Inc.

GROUNDWATER ELEVATION DATA SHEET

Project Name: Allsups 294 Sampler: J. Fisher

Project #: ES14.0052.07 Sample Date: 1/4/18

Project Manager: M. McVay Sheet # 1 of 1

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments: (well dia., sampled, condition)
MWAL-1	—	17.73	21.10	
MW-16	—	14.70	22.35	
MW-9	—	16.03	20.39	
MWAL-2R	—	15.56	27.52	

Comments:

Daniel B. Stephens & Associates, Inc.

GROUNDWATER METER CALIBRATION SHEET

Project Name: Aztec 2414 Sampler: J. Fisher

Project #: ES14.0052.07 Date: 1/4/18

Project Manager: Mike McVey

pH	Temp (°C)	Comments
(4) 4.00/4.00	7.61	
(7) 7.08/7.08	7.53	
(10) 10.14/10.18	7.91	
SpCon (µs/cm)	Temp (°C)	Comments
(1413) 1413/1413	7.64	
ORP (mv)	Temp (°C)	Comments
231/231.0	8.10	
Dissolved O_2	Temp (°C)	Comments
(%) 79.8	10.40	
(mg/L) 8.34	9.37	
Pressure	Temp (°C)	Comments
(mmHg) 606.4	10.38	

Comments:

YSI 556 MPS SN: 13K100928

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Allsups 294
Project #: ES14.0052.07.3.1
Project Manager: M. McVey

Sampler: ~~PNB~~ J. Fisher
Sample Date: 1/4/18
Sample Time: 1310

Well #: MWAL-1
Well Diameter: 2 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 17.73 (feet btoc)
Total Depth of Well: 21.10 (feet)

Height of Water Column: 3.37 (feet)
Casing Volume: 0.54 (gal)
Purge Volume: 1.62 (gal)
Purge Method: bailer

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity ~~(NTU)~~
Initial	6.82	16.36	2334	194.3	4.61	LIGHT NO ODOR
1	6.78	16.89	2436	213.5	3.30	TURBID NO ODOR
2	6.74	16.91	2591	221.5	3.00	---
3	6.69	17.02	2755	221.0	2.24	---

Sample Description: 3-VOA ($HgCl_2$)

Physical Observations: TURBID, DK BROWN, NO ODOR

Analytical Method(s): 8260B

* NEEDS A NEW "J" PLUG

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Allsups 294
Project #: ES14.0052.07.3.1
Project Manager: M. McVey

Sampler: ~~PNB~~ J. Fisher
Sample Date: 1/4/18
Sample Time: 1355

Well #: MW-16
Well Diameter: 2 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 14.70 (feet btoc)
Total Depth of Well: 22.35 (feet)

Height of Water Column: 7.65 (feet)
Casing Volume: 1.22 (gal)
Purge Volume: 3.67 (gal)
Purge Method: bailer

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	6.63	17.38	2213	222.1	2.90	---
1	6.59	17.51	2776	207.5	0.91	---
2	6.60	17.59	2760	201.6	1.11	---
3	6.61	17.47	2716	198.4	1.34	---

Sample Description: 3-VOA ($HgCl_2$)

Physical Observations: Turbid, Dk Brown, No Odor

Analytical Method(s): 8260B

*NEEDS A NEW "J" PLUG

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Allsups 294 Sampler: ~~PNB~~ J. FISHER

Project #: ES14.0052.07.3.1 Sample Date: _____

Project Manager: M. McVey Sample Time: 1440

Well #: MW-9

Well Diameter: 2 (inches) Height of Water Column: 4.36 (feet)

Depth to NAPL: — (feet btoc) Casing Volume: 0.70 (gal)

Depth to Water: 16.03 (feet btoc) Purge Volume: 2.09 (gal)

Total Depth of Well: 20.39 (feet) Purge Method: bailer

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	6.72	16.99	1126	-80.8	1.05	---
1		NAPL SHEEN				---
2						---
3						---

Sample Description: 3-VOA ($HgCl_2$)

Physical Observations: NAPL SHEEN, STR HC ODOR

Analytical Method(s): 8260B

Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Allsups 294
Project #: ES14.0052.07.3.1
Project Manager: M. McVey

Sampler: ~~PNB~~ J. Fisher
Sample Date: 1/4/18
Sample Time: 1510

Well #: MW2-2R

Well Diameter: 2 (inches)
Depth to NAPL: — (feet btoc)
Depth to Water: 15.56 (feet btoc)
Total Depth of Well: 27.52 (feet)

Height of Water Column: 11.96 (feet)
Casing Volume: 1.91 (gal)
Purge Volume: 5.74 (gal)
Purge Method: bailer

Note:
One casing volume (SCH 40 PVC): 2.0" ID casing = 0.16 gal/ft; 4.0" = 0.65 gal/ft; 6.0" = 1.47 gal/ft

Groundwater Parameters:

Casing Volume	pH	Temp (°C)	Conductivity (µS/cm)	ORP (mv)	D.O. (mg/L)	Turbidity (NTU)
Initial	6.70	17.97	1638	-99.6	0.94	---
1	6.72	17.89	23.59	-64	1.06	---
2	6.70	17.91	2489	-41.0	0.93	---
3	6.69	17.72	2498	-31.2	0.96	---

Sample Description: 3-VOA (HCl)

Physical Observations: Turbid, Sl HC Odor

Analytical Method(s): 8260B

Appendix 3

Laboratory Report

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 16, 2018

Mike McVey

Daniel B. Stephens & Assoc.
6020 Academy NE Suite 100
Albuquerque, NM 87109
TEL: (505) 822-9400
FAX (505) 822-8877

RE: Allsups 294 OrderNo.: 1801319

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/8/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-1
Project: Allsups 294
Collection Date: 1/4/2018 1:10:00 PM
Lab ID: 1801319-001
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Methyl tert-butyl ether (MTBE)	1.3	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 8:10:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 8:10:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 8:10:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-1
Project: Allsups 294
Collection Date: 1/4/2018 1:10:00 PM
Lab ID: 1801319-001
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 8:10:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 8:10:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 8:10:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 8:10:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	86.1	70-130		%Rec	1	1/11/2018 8:10:00 PM	R48387
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	1/11/2018 8:10:00 PM	R48387
Surr: Dibromofluoromethane	85.9	70-130		%Rec	1	1/11/2018 8:10:00 PM	R48387
Surr: Toluene-d8	82.6	70-130		%Rec	1	1/11/2018 8:10:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-16
Project: Allsups 294 **Collection Date:** 1/4/2018 1:55:00 PM
Lab ID: 1801319-002 **Matrix:** AQUEOUS **Received Date:** 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Methyl tert-butyl ether (MTBE)	7.9	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 8:33:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 8:33:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 8:33:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-16
Project: Allsups 294
Collection Date: 1/4/2018 1:55:00 PM
Lab ID: 1801319-002
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 8:33:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 8:33:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 8:33:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 8:33:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	85.7	70-130		%Rec	1	1/11/2018 8:33:00 PM	R48387
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	1/11/2018 8:33:00 PM	R48387
Surr: Dibromofluoromethane	85.4	70-130		%Rec	1	1/11/2018 8:33:00 PM	R48387
Surr: Toluene-d8	82.5	70-130		%Rec	1	1/11/2018 8:33:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-9
Project: Allsups 294 **Collection Date:** 1/4/2018 2:40:00 PM
Lab ID: 1801319-003 **Matrix:** AQUEOUS **Received Date:** 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	31	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Toluene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Ethylbenzene	230	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2,4-Trimethylbenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,3,5-Trimethylbenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Naphthalene	38	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1-Methylnaphthalene	42	20	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
2-Methylnaphthalene	25	20	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Acetone	ND	50	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Bromobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Bromodichloromethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Bromoform	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Bromomethane	ND	15	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
2-Butanone	ND	50	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Carbon disulfide	ND	50	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Carbon Tetrachloride	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Chlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Chloroethane	ND	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Chloroform	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Chloromethane	ND	15	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
2-Chlorotoluene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
4-Chlorotoluene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
cis-1,2-DCE	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
cis-1,3-Dichloropropene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Dibromochloromethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Dibromomethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2-Dichlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,3-Dichlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,4-Dichlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Dichlorodifluoromethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1-Dichloroethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1-Dichloroethene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2-Dichloropropane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,3-Dichloropropane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
2,2-Dichloropropane	ND	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MW-9
Project: Allsups 294
Collection Date: 1/4/2018 2:40:00 PM
Lab ID: 1801319-003
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Hexachlorobutadiene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
2-Hexanone	ND	50	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Isopropylbenzene	22	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
4-Isopropyltoluene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
4-Methyl-2-pentanone	ND	50	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Methylene Chloride	ND	15	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
n-Butylbenzene	ND	15	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
n-Propylbenzene	65	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
sec-Butylbenzene	6.7	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Styrene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
tert-Butylbenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Tetrachloroethene (PCE)	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
trans-1,2-DCE	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
trans-1,3-Dichloropropene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2,3-Trichlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2,4-Trichlorobenzene	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1,1-Trichloroethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,1,2-Trichloroethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Trichloroethene (TCE)	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Trichlorofluoromethane	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
1,2,3-Trichloropropane	ND	10	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Vinyl chloride	ND	5.0	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Xylenes, Total	15	7.5	D	µg/L	5	1/11/2018 8:57:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	83.6	70-130	D	%Rec	5	1/11/2018 8:57:00 PM	R48387
Surr: 4-Bromofluorobenzene	86.1	70-130	D	%Rec	5	1/11/2018 8:57:00 PM	R48387
Surr: Dibromofluoromethane	82.9	70-130	D	%Rec	5	1/11/2018 8:57:00 PM	R48387
Surr: Toluene-d8	83.9	70-130	D	%Rec	5	1/11/2018 8:57:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-2R
Project: Allsups 294
Collection Date: 1/4/2018 3:10:00 PM
Lab ID: 1801319-004
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	31	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Ethylbenzene	33	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Methyl tert-butyl ether (MTBE)	13	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Naphthalene	3.7	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 9:20:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 9:20:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 9:20:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-2R
Project: Allsups 294
Collection Date: 1/4/2018 3:10:00 PM
Lab ID: 1801319-004
Matrix: AQUEOUS
Received Date: 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 9:20:00 PM	R48387
Isopropylbenzene	1.5	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 9:20:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
n-Propylbenzene	3.9	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 9:20:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 9:20:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	83.8	70-130		%Rec	1	1/11/2018 9:20:00 PM	R48387
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	1/11/2018 9:20:00 PM	R48387
Surr: Dibromofluoromethane	83.6	70-130		%Rec	1	1/11/2018 9:20:00 PM	R48387
Surr: Toluene-d8	83.4	70-130		%Rec	1	1/11/2018 9:20:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Allsups 294 **Collection Date:**
Lab ID: 1801319-005 **Matrix:** TRIP BLANK **Received Date:** 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 9:43:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 9:43:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 9:43:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Allsups 294 **Collection Date:**
Lab ID: 1801319-005 **Matrix:** TRIP BLANK **Received Date:** 1/8/2018 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 9:43:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 9:43:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 9:43:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 9:43:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	85.2	70-130		%Rec	1	1/11/2018 9:43:00 PM	R48387
Surr: 4-Bromofluorobenzene	80.5	70-130		%Rec	1	1/11/2018 9:43:00 PM	R48387
Surr: Dibromofluoromethane	86.0	70-130		%Rec	1	1/11/2018 9:43:00 PM	R48387
Surr: Toluene-d8	81.9	70-130		%Rec	1	1/11/2018 9:43:00 PM	R48387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1801319**

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R48387**	RunNo: **48387**
Prep Date:	Analysis Date: **1/11/2018**	SeqNo: **1554787** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	20	1.0	20.00	0	100	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	111	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.5	70	130			
Surr: 1,2-Dichloroethane-d4	8.9		10.00		89.4	70	130			
Surr: 4-Bromofluorobenzene	8.1		10.00		80.8	70	130			
Surr: Dibromofluoromethane	8.5		10.00		85.0	70	130			
Surr: Toluene-d8	8.1		10.00		81.2	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48387**	RunNo: **48387**
Prep Date:	Analysis Date: **1/11/2018**	SeqNo: **1554835** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1801319**

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48387**	RunNo: **48387**
Prep Date:	Analysis Date: **1/11/2018**	SeqNo: **1554835** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1801319**

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R48387**	RunNo: **48387**
Prep Date:	Analysis Date: **1/11/2018**	SeqNo: **1554835** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.1	70	130			
Surr: 4-Bromofluorobenzene	8.0		10.00		80.2	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.2	70	130			
Surr: Toluene-d8	8.2		10.00		82.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: DBS | Work Order Number: 1801319 | RcptNo: 1

Received By: Dennis Suazo 1/8/2018 9:40:00 AM

Completed By: Dennis Suazo 1/8/2018 10:16:58 AM

Reviewed By: JMO 1/9/18

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present			

Chain-of-Custody Record

Client: DB St A

Mailing Address: 6020 Academy NE Suite 100
Albuquerque, NM 87109

Phone #: 505-822-9400

email or Fax#: mmcvey@dbstephens.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: AllSups 294*
Pino's Finish

Project #: 7*
ES14.0052.08 P3T1

Project Manager:
M. McVey

Sampler: J. Fisher

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.8 - 1.0(CF) = 0.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1801319	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
1/4/18	1310	GW	MWAL-1	3-VOA	$HgCl_2$	001										X		
	1355		MW-16			002										X		
	1440		MW-9			003										X		
	1510		MWAL-2R			004										X		
			Trip Blank	2-VOA		005										X		

1/4/18

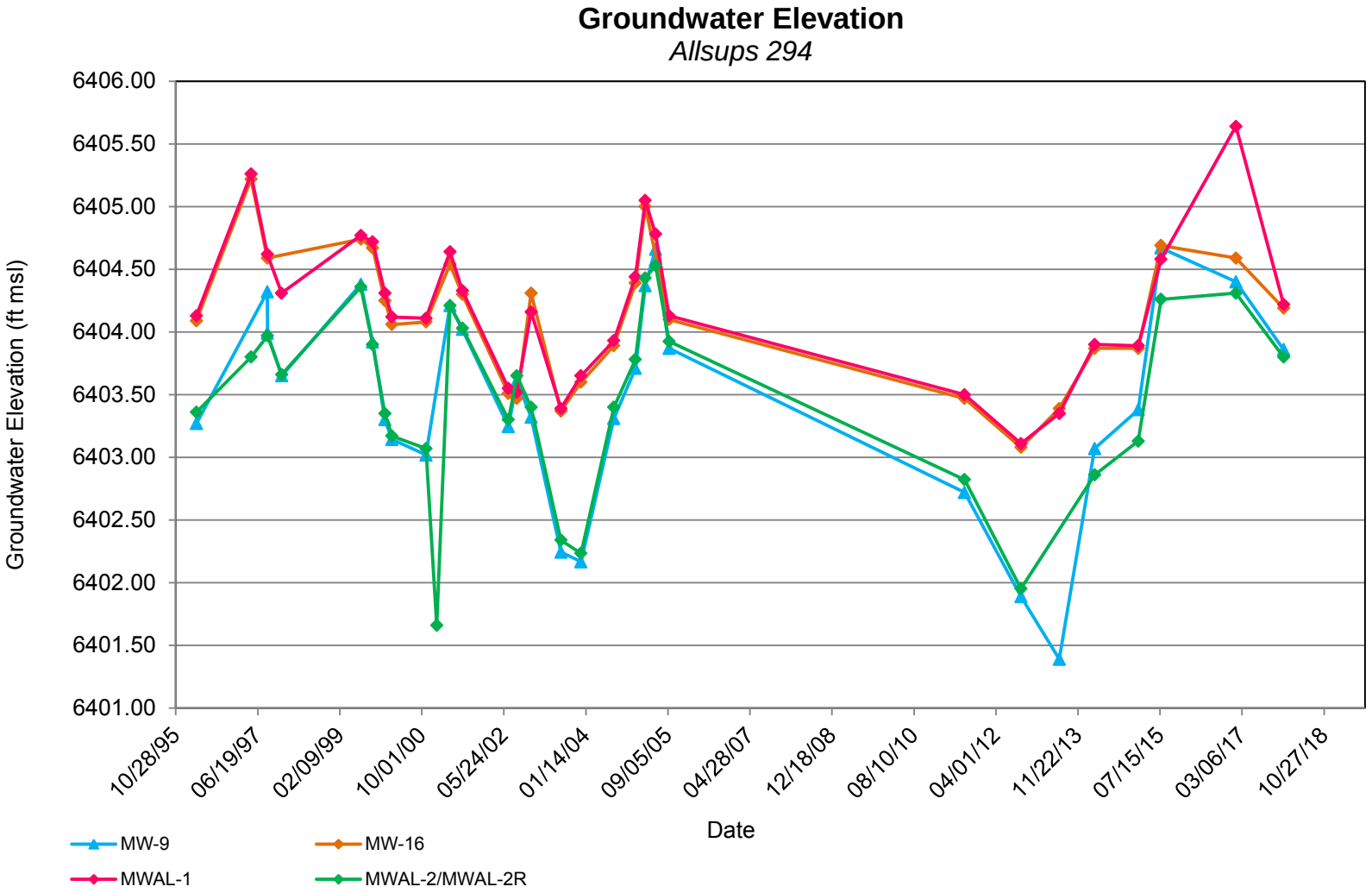
Date	Time	Relinquished by:	Received by:	Date	Time
1/8/18	0940			1/08/18	0940
Date:	Time:	Relinquished by:	Received by:	Date	Time

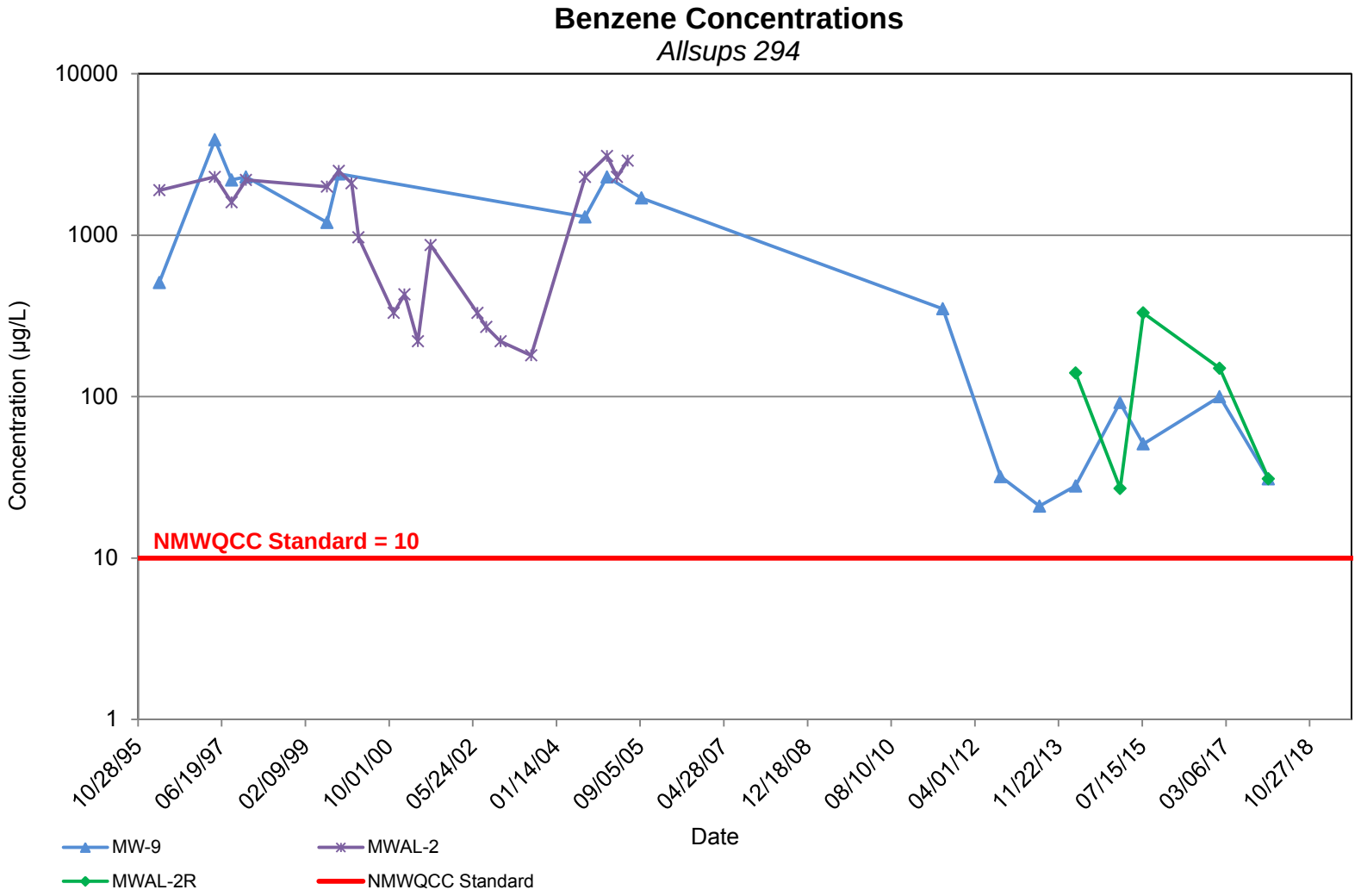
Remarks:
*Per Jeremy F. * 1/9/18 @ 1540 ENM

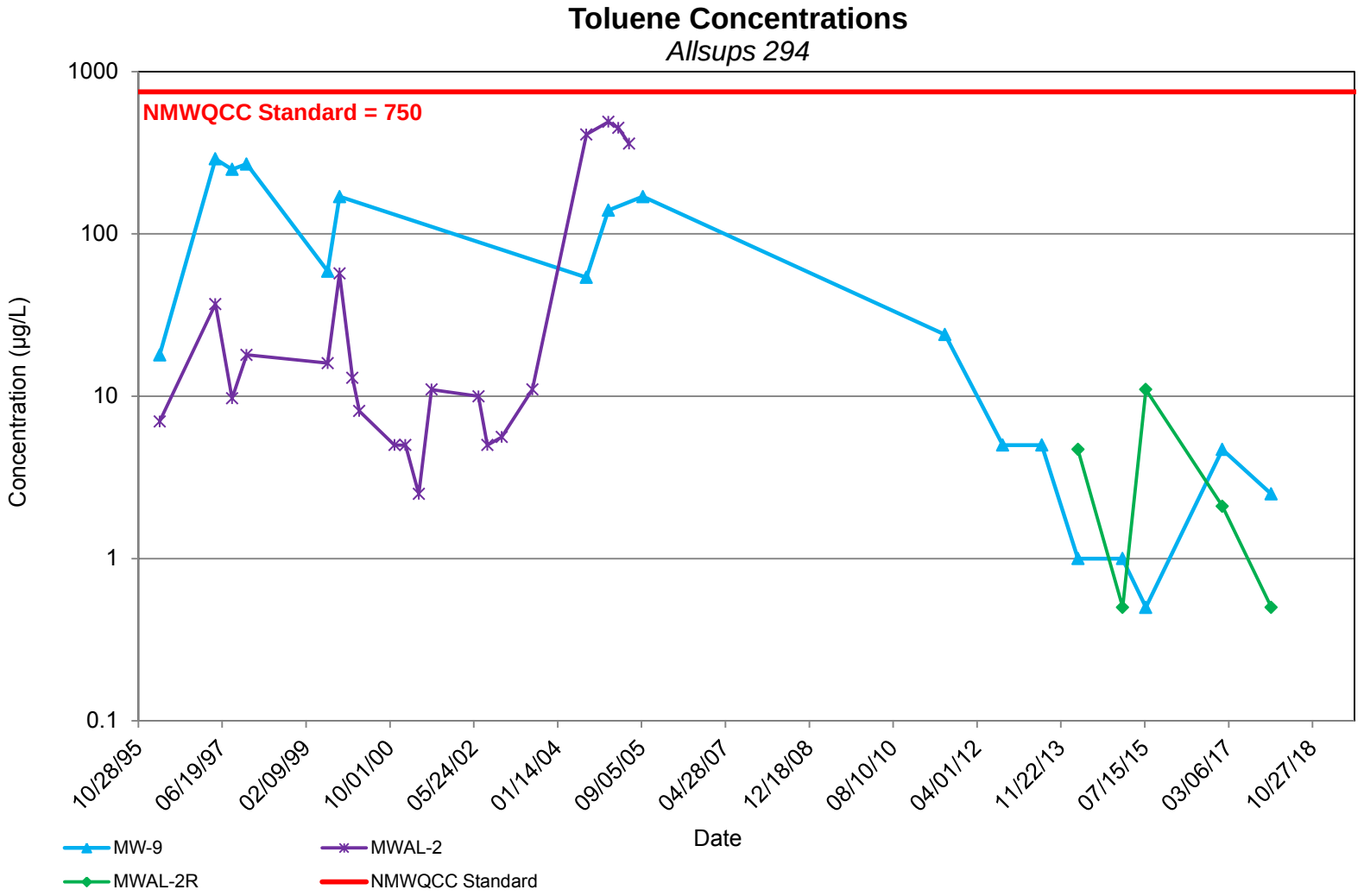
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

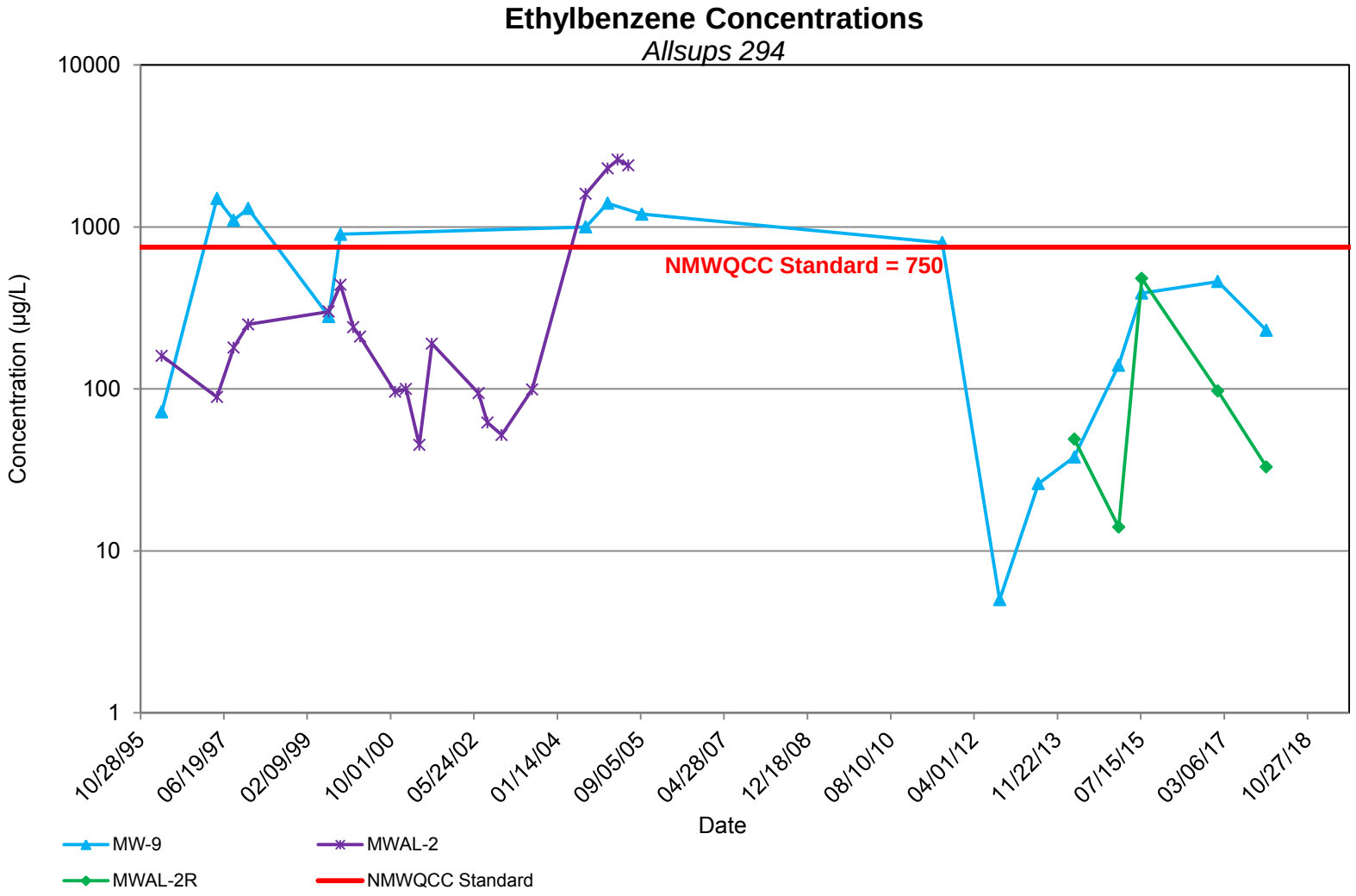
Appendix 4

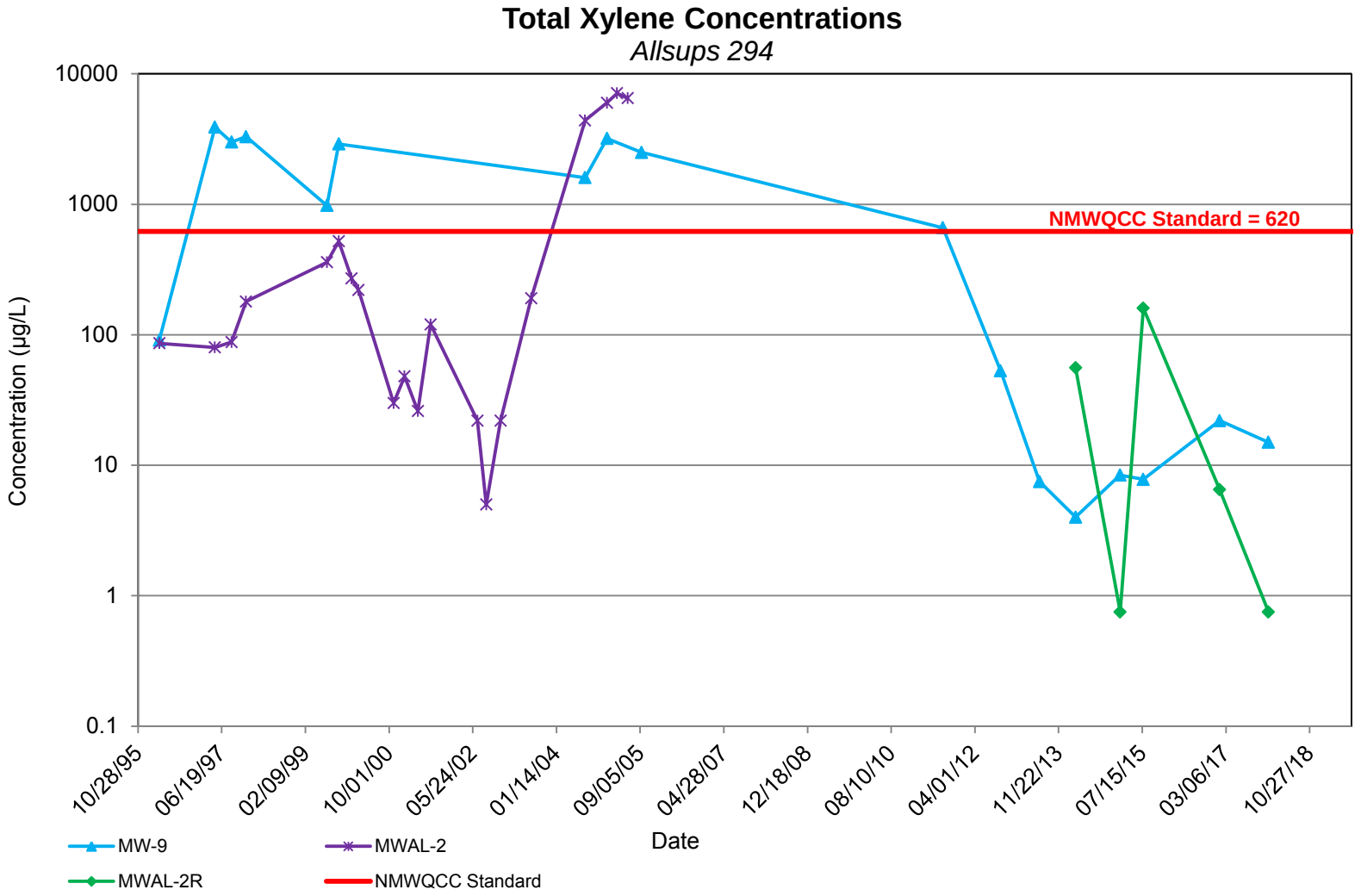
Graphs Showing Changes in Groundwater Elevations, Contaminant Concentrations, and NAPL Thickness in Site Wells over Time

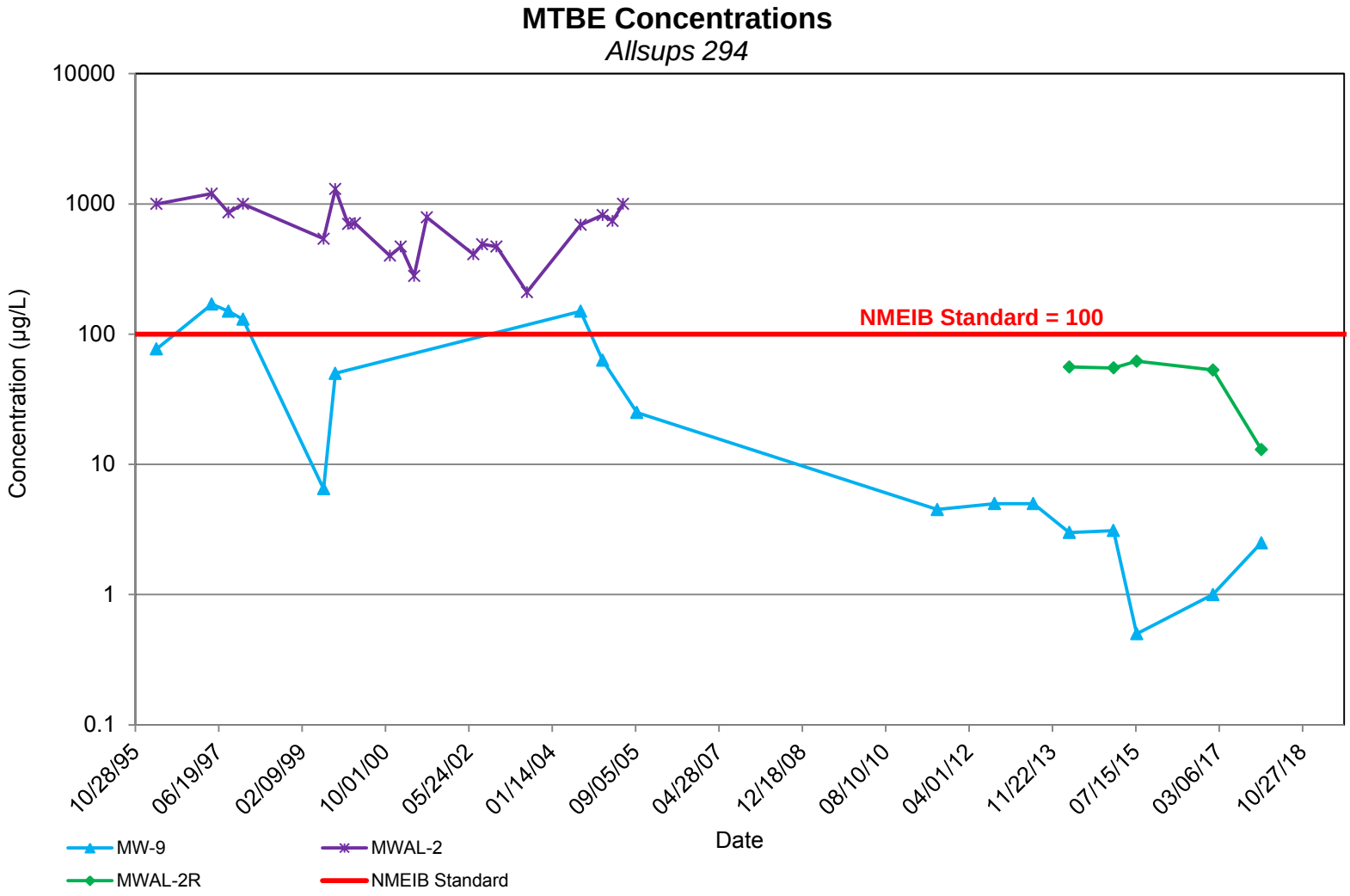

Groundwater Elevation
Allsups 294
Groundwater Elevation (ft msl)
6406.00
6405.50
6405.00
6404.50
6404.00
6403.50
6403.00
6402.50
6402.00
6401.50
6401.00
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MW-16
MWAL-1
MWAL-2/MWAL-2R

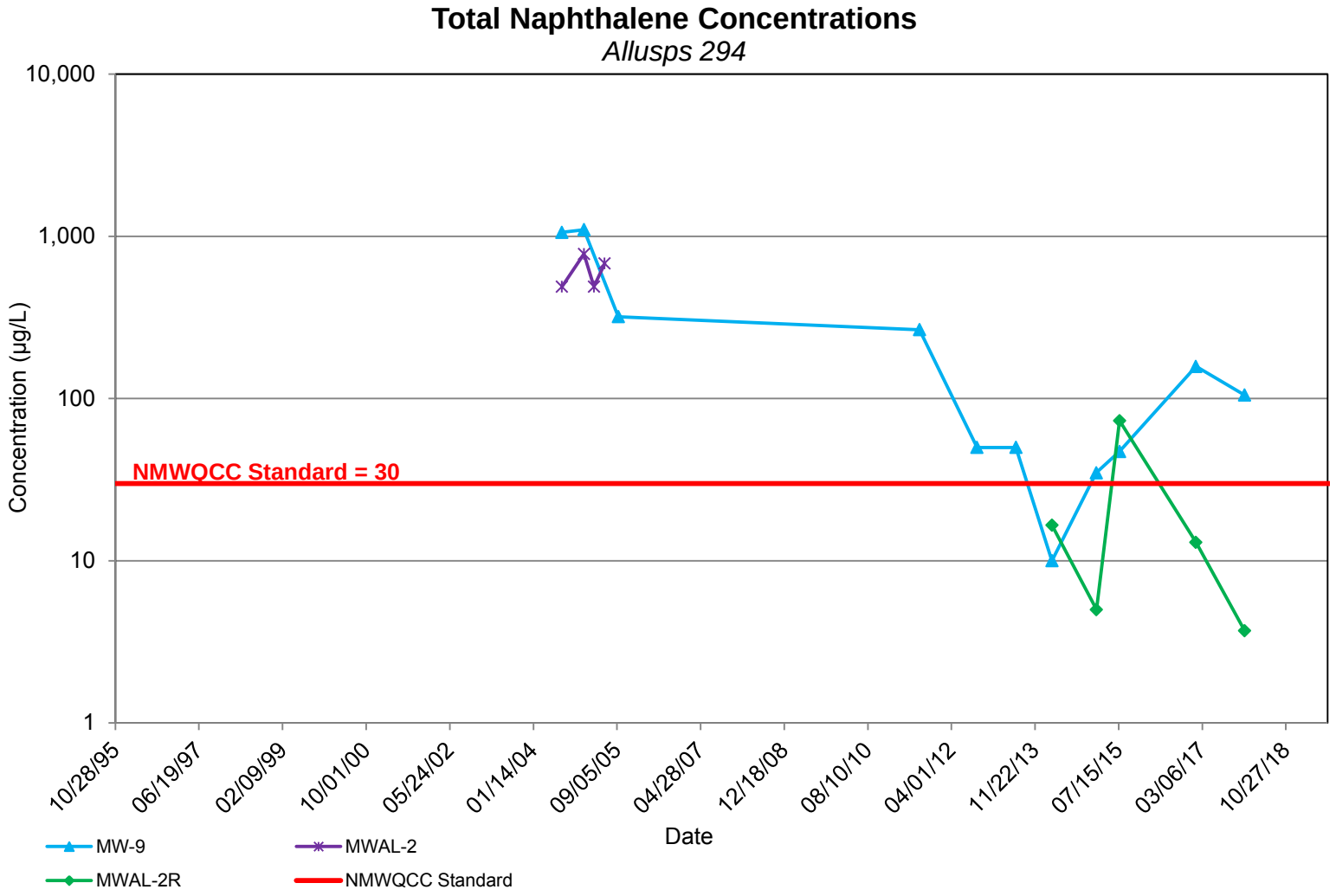

Benzene Concentrations
Allsups 294
10000
1000
100
10
1
Concentration (µg/L)
NMWQCC Standard = 10
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMWQCC Standard

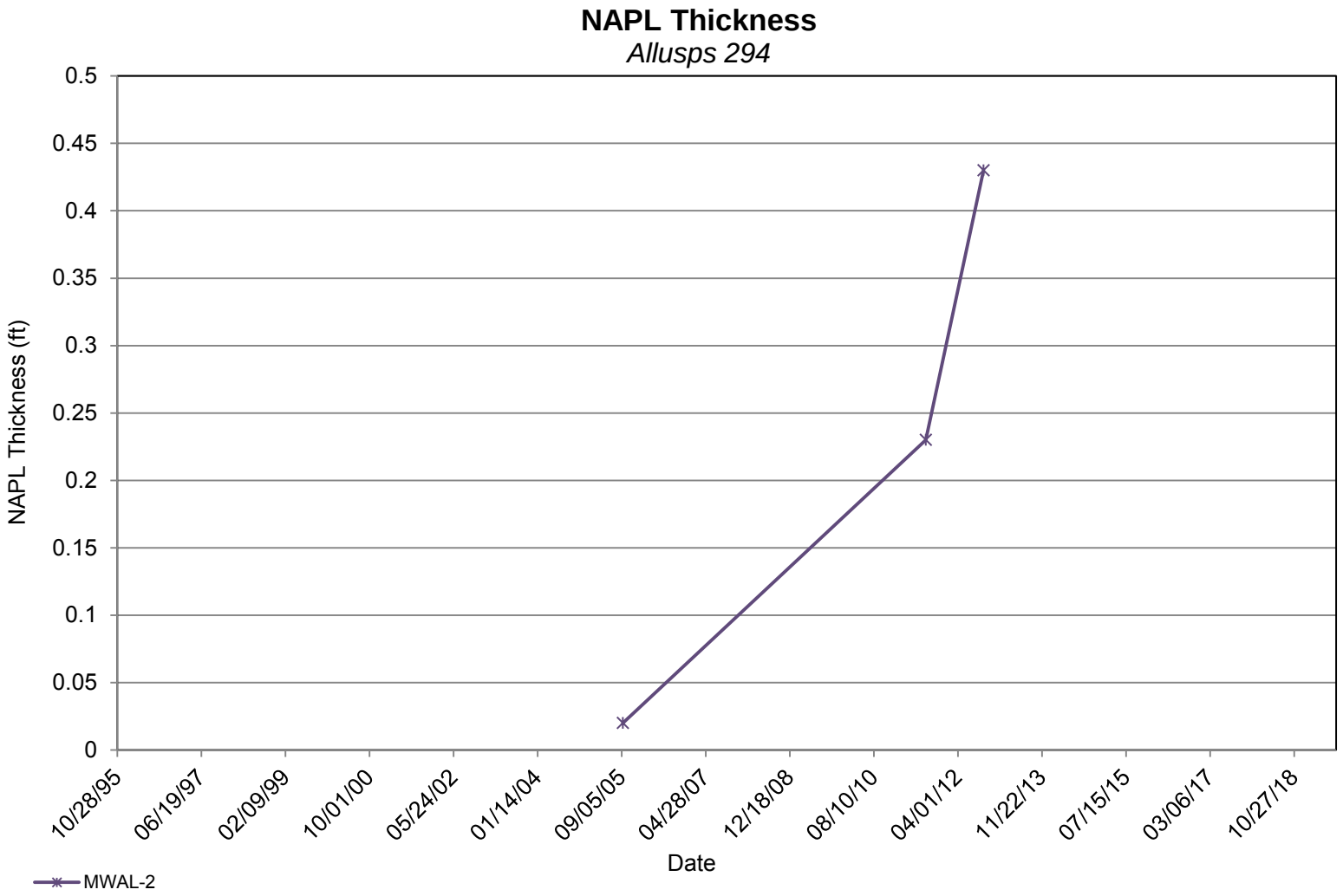

Toluene Concentrations
Allsups 294
NMWQCC Standard = 750
1000
100
10
1
0.1
Concentration (µg/L)
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMWQCC Standard


Ethylbenzene Concentrations
Allsups 294
10000
1000
100
10
1
Concentration (µg/L)
NMWQCC Standard = 750
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMWQCC Standard


Total Xylene Concentrations
Allsups 294
10000
1000
100
10
1
0.1
Concentration (µg/L)
NMWQCC Standard = 620
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMWQCC Standard


MTBE Concentrations
Allsups 294
10000
1000
100
10
1
0.1
Concentration (µg/L)
NMEIB Standard = 100
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMEIB Standard


Total Naphthalene Concentrations
Allusps 294
10,000
1,000
100
10
1
Concentration (µg/L)
NMWQCC Standard = 30
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MW-9
MWAL-2
MWAL-2R
NMWQCC Standard


NAPL Thickness
Allusps 294
NAPL Thickness (ft)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
10/28/95
06/19/97
02/09/99
10/01/00
05/24/02
01/14/04
09/05/05
04/28/07
12/18/08
08/10/10
04/01/12
11/22/13
07/15/15
03/06/17
10/27/18
Date
MWAL-2