



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
Former Pino's Fina, 701 North Grand Avenue, Las Vegas, New Mexico
Facility #29980, Release ID #879, WPID #3938

Dear Mr. Holmes:

Enclosed is the report summarizing groundwater monitoring conducted at the above-referenced site on January 4 and 5, 2018. All activities were completed in accordance with work plan identification (WPID) #3938, approved by the New Mexico Environment Department Petroleum Storage Tank Bureau on November 28, 2017.

DBS&A will be invoicing the full approved amount of \$4,866.26 (including 7.50% NMGRT) for Deliverable ID 3938-1. 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.

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Albuquerque, NM 87109

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Site Name: Pino's FinaPSTB Facility #: 29980Date: February 16, 2018

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COVER PAGE
FORM 1216
FIRST QUARTERLY GROUNDWATER MONITORING REPORT

1. **Site name:** Pino's Fina

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:** 29980 (Release ID #: 879)

5. **Address/legal description:** _____

701 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:**

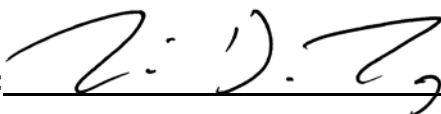
November 21, 1997

Site Name: Pino's FinaPSTB Facility #: 29980Date: February 16, 2018

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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) #3938. The site is located at 701 North Grand Avenue in Las Vegas, New Mexico (Figure 1). The former Pino's Fina building is currently unoccupied.

Investigation and groundwater monitoring activities have been ongoing at the Pino's Fina underground storage tank (UST) site under a number of different consultants since June 1998. 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, Allsup's 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 Allsup's 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 three site monitor wells, PF-1, at a thickness of 0.03 foot. A negligible amount of NAPL was recovered from the well. Analytical results from groundwater samples collected from the other two monitor wells, PF-3 and AEE-2, did not show any contaminants of concern (COCs) to be present at concentrations above laboratory reporting limits (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 PF-1 (0.60 foot). A total of approximately 0.31 gallons of NAPL was recovered from the well. Groundwater samples were collected from monitor wells PF-3 and AEE-2 for laboratory analysis. No COCs were detected above laboratory reporting limits (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. NAPL was detected in two Pino's Fina wells during the monitoring event: MW-7 (0.08 foot) and PF-1 (0.02 foot). A total of approximately 0.11 gallon of NAPL was recovered from the two wells. Groundwater samples were collected from monitor wells PF-3 and AEE-2 for laboratory analysis. No COCs were detected above New Mexico Water Quality Control Commission (NMWQCC) standards in the sampled wells (DBS&A, 2013).

One new replacement well designated AEE-1R was installed at the site by DBS&A in March 2014 (DBS&A, 2014a). The well was installed as a replacement for AEE-1, which was destroyed in August 2004. AEE-1 was originally installed in the former Pino's Fina tank pit after the USTs were

I. INTRODUCTION (Continued)

removed. Elevated photoionization detector (PID) readings of 995.2 parts per million by volume (ppmv) and >15,000 ppmv, above the NMED PSTB action level of 100 ppmv, were recorded in field screening samples collected from just above and at the water table interface in the soil boring. Soil analytical results showed total naphthalenes to be present at concentrations above the Tier 1 Risk-Based Screening Level (RBSL) in the sample collected from just above the water table, and total xylenes and total naphthalenes to be present at concentrations above the Tier 1 RBSL in the sample collected at the water table interface and in the sample collected from the bottom of the boring.

Groundwater samples were collected from the four existing site wells (MW-7, AEE-2, PF-1, and PF-3) and the newly installed AEE-1R. Benzene (52 micrograms per liter [µg/L]), ethylbenzene (2,000 µg/L), total xylenes (3,800 µg/L), and total naphthalenes (980 µg/L) were detected at concentrations above the NMWQCC standards in monitor wells PF-1. No other COCs were detected at concentrations above the applicable standards in the other sampled wells (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 11, 2014 under WPID #3810 (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, 2016a), which was amended on April 26, 2016 (NMED, 2016b). 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 28, 2017 under WPID #3938 (NMED, 2017).

This report documents first quarter groundwater monitoring conducted at the site by DBS&A on January 4 and 5, 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 thickness greater than 1/8 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 5 monitor wells for laboratory analysis. Groundwater samples are analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) method 8260B (full list).

Site Name: Pino's FinaPSTB Facility #: 29980Date: February 16, 2018

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I. INTRODUCTION (Continued)**B. Highlights**

The principal accomplishments of this reporting period include the following:

- Gauged water levels in 5 monitor wells, including MW-7, AEE-1R, AEE-2, PF-1, and PF-3 January 4, 2018
- Collected groundwater samples for laboratory analysis from 5 monitor wells, including MW-7, AEE-1R, AEE-2, PF-1, and PF-3 January 4 and 5, 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 Pino's Fina site.

B. System Operation

A remediation system has not been installed or operated at the Pino's Fina 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 Pino's Fina State Lead Site.

Groundwater Monitoring

On January 4, 2018 depth to water was measured with an electronic interface probe in Pino's Fina monitor wells MW-7, AEE-1R, AEE-2, PF-1, and PF-3 (Figure 1). On January 4 and 5, 2018 monitor wells associated with the Allsups 294 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-7, AEE-1R, AEE-2, PF-1, and PF-3 after purging on January 4 and 5, 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).

Groundwater 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 Pino's Fina site for the current monitoring event.

II. ACTIVITIES PERFORMED DURING THIS MONITORING EVENT (Continued)

NAPL Recovery

NAPL was not detected in any of the Pino's Fina wells during the current monitoring event. Historically, monitor wells MW-7 and PF-1 have contained NAPL. To date, approximately 0.43 gallon of NAPL has been recovered from the two wells.

Table 4 presents a summary of cumulative NAPL recovery from monitor wells associated with the Ross Texaco, Pino's Fina, and Allsup's 294. A total of 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 Pino's Fina 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)

Allsup's 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 0.58 foot in the Pino's Fina monitor wells since the last monitoring event in January 2017 (Table 1). Decreases ranged from 0.6 foot in PF-3 to 0.57 foot in PF-1 and AEE-1R. A graph showing changes in groundwater elevations in Pino's Fina 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 Pino's Fina site are summarized in Table 2. The following trends or changes regarding specific wells were noted since the last monitoring event in January 2017:

- MW-7: Measureable NAPL has not been detected in the well since July 2013. Overall, benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations have remained low while total naphthalene concentrations have fluctuated. From March 2014 through the last monitoring event in January 2017, the total naphthalenes concentration increased from 26.1 to 45.6 µg/L. During the current monitoring event, the total naphthalenes concentration decreased from 45.6 to 4.9 µg/L, and is below the NMWQCC standard. All other COC concentrations remained below applicable standards or laboratory reporting limits.
- AEE-1R: From the time the well was installed in March 2014 through July 2015, the total BTEX concentration showed an increasing trend from 161.2 to 2,189.9 µg/L. Total naphthalene concentrations also showed an increasing trend from March 2014 through the last event in January 2017 from 21.8 to 279 µg/L. During the current monitoring event, the benzene concentration decreased from 11 to <1.0 µg/L, the ethylbenzene concentration decreased from 1,400 to 47 µg/L, and the total naphthalenes concentration decreased from 279 to 8.1 µg/L. All three COCs are now below their respective standards. All other COC concentrations remained below applicable standards or laboratory reporting limits.
- AEE-2: COC concentrations have not exceeded applicable standards in the well since September 2005. Since that time, all COC concentrations have remained below applicable standards or laboratory reporting limits.
- PF-1: Measureable NAPL has not been detected in the well since July 2013. From March 2014 through January 2017, BTEX concentrations remained fairly stable, showing only slight increases and decreases between monitoring events. Benzene concentrations ranged from 37 to 54 µg/L, ethylbenzene concentrations ranged from 1,500 to 2,400 µg/L, and total xylene concentrations ranged from 2,700 to 4,400 µg/L. From March 2014 through January 2017, the total naphthalenes concentration has shown an increasing trend from 980 to 2,460 µg/L. During the current monitoring event, significant decreases were noted in all of these COCs. The benzene concentration

III. SUMMARY AND CONCLUSIONS (Continued)

decreased from 50 to 12 µg/L, the ethylbenzene concentration decreased from 2,400 to 1,300 µg/L, the total xylenes concentration decreased from 4,400 to 680 µg/L, and the total naphthalenes concentration decreased from 2,460 to 600 µg/L. Benzene, ethylbenzene, total xylenes, and total naphthalene concentrations remain above applicable standards.

- PF-3: COC concentrations have not exceeded applicable standards in the well since September 2005. Since that time, all COC concentrations have remained below applicable standards or laboratory reporting limits.

B. Assessment of Remediation System

A remediation system has not been installed or operated at the Pino's Fina site.

C. Recommendations

An overall decrease in the concentrations of COCs was noted in the Pino's Fina 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 well PF-1 contained actionable concentrations of COCs during this monitoring event.

NAPL has not been detected in PF-1 since July 2013, but the well continues to contain benzene, ethylbenzene, total xylenes, and total naphthalenes at concentrations above the NMWQCC standards. The well should continue to be monitored for the reemergence of NAPL with fluctuating seasonal groundwater elevation changes, which have been documented at the site. NAPL should continue to be recovered when present.

Site Name: Pino's FinaPSTB Facility #: 29980Date: February 16, 2018

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REFERENCES

- Daniel B. Stephens & Associates (DBS&A). 2011. *Groundwater monitoring report, Pino's Fina 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, Pino's Fina, 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Pino's Fina, 701 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, Former Pino's Fina State Lead Site, 701 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.

Site Name: Pino's FinaPSTB Facility #: 29980Date: February 16, 2018

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REFERENCES (Continued)

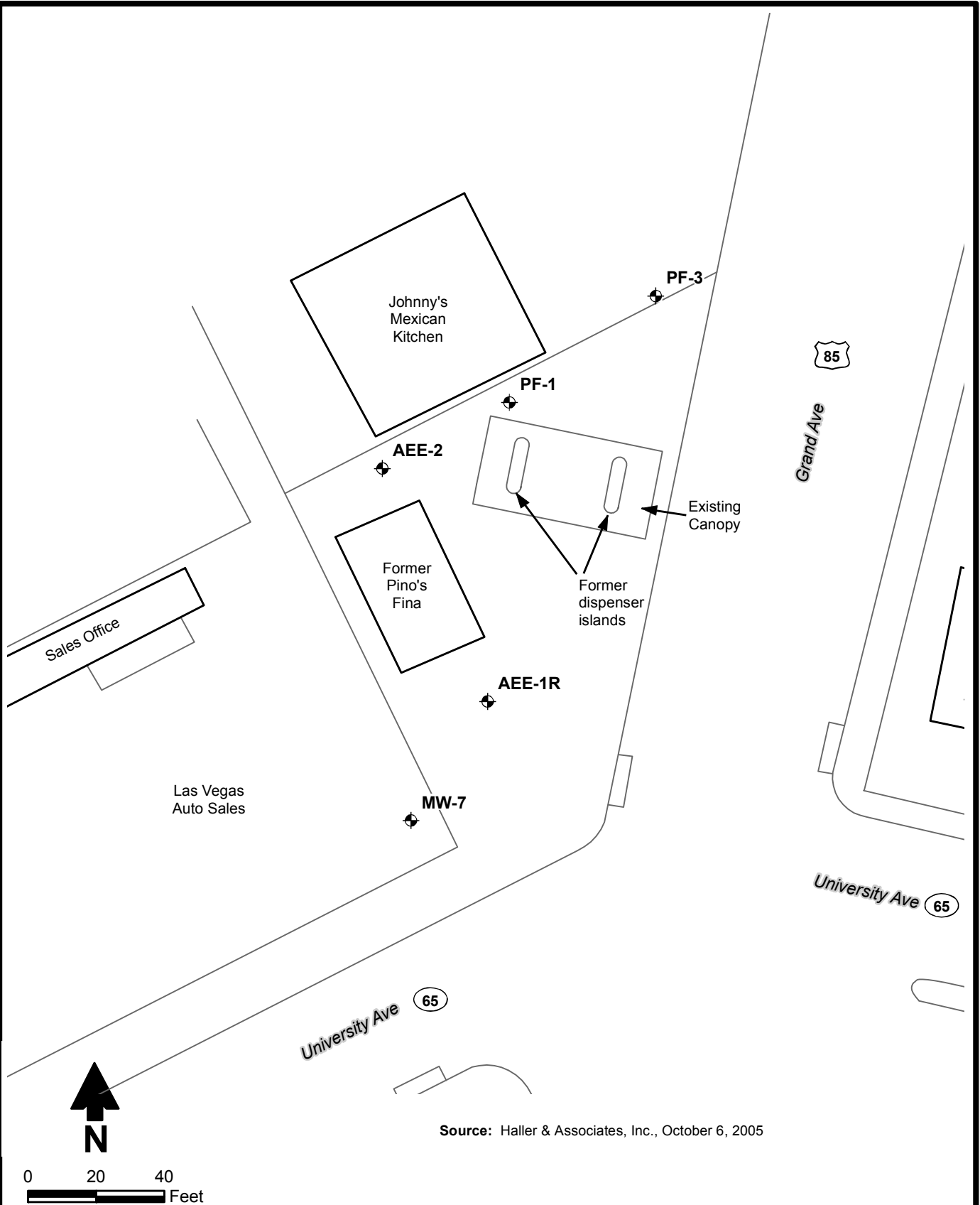
- DBS&A. 2017b. Work plan for semiannual groundwater monitoring and NAPL recovery, Pino's Fina, 701 North Grand Avenue, Las Vegas, New Mexico. Submitted to the New Mexico Environment Department Petroleum Storage Tank Bureau, Santa Fe, New Mexico. August 17, 2017.
- Haller & Associates, Inc. (HAI). 2005. *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.
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- NMED. 2014. Letter from Lorena Goerger to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding continued phase 1 fixed-price State Lead workplan approval for the Former Pino's Fina Site, 701 North Grand Avenue, Las Vegas, New Mexico. December 11, 2014.
- NMED. 2016a. Letter from Lorena Goerger to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding continued phase 1 fixed-price State Lead workplan approval for the Former Pino's Fina Site, 701 North Grand Avenue, Las Vegas, New Mexico. April 21, 2016.
- NMED. 2016b. Letter from George Beaumont to Michael McVey, Daniel B. Stephens & Associates, Inc., regarding approval of an extension of time for the initially approved phase 1 corrective action deadline for the Former Pino's Fina State Lead Site, 701 North Grand Avenue, Las Vegas, New Mexico. April 26, 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 former Pino's Fina, 701 North Grand Avenue, Las Vegas, New Mexico. November 28, 2017.

Figures

LIST OF FIGURES

Figure	Included	N/A
1 Site Map	X	
2 Potentiometric Surface Elevations, January 4 and 5, 2018	X	
3 Distribution of Dissolved-Phase Contaminants, January 4, 2018	X	
4 Benzene in Groundwater January 4 and 5, 2018	X	
5 Ethylbenzene in Groundwater January 4 and 5, 2018	X	
6 Total Xylenes in Groundwater January 4 and 5, 2018	X	
7 Total Naphthalenes in Groundwater January 4 and 5, 2018	X	

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

Explanation

⊕ Monitor well

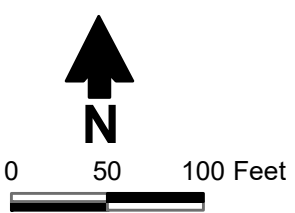
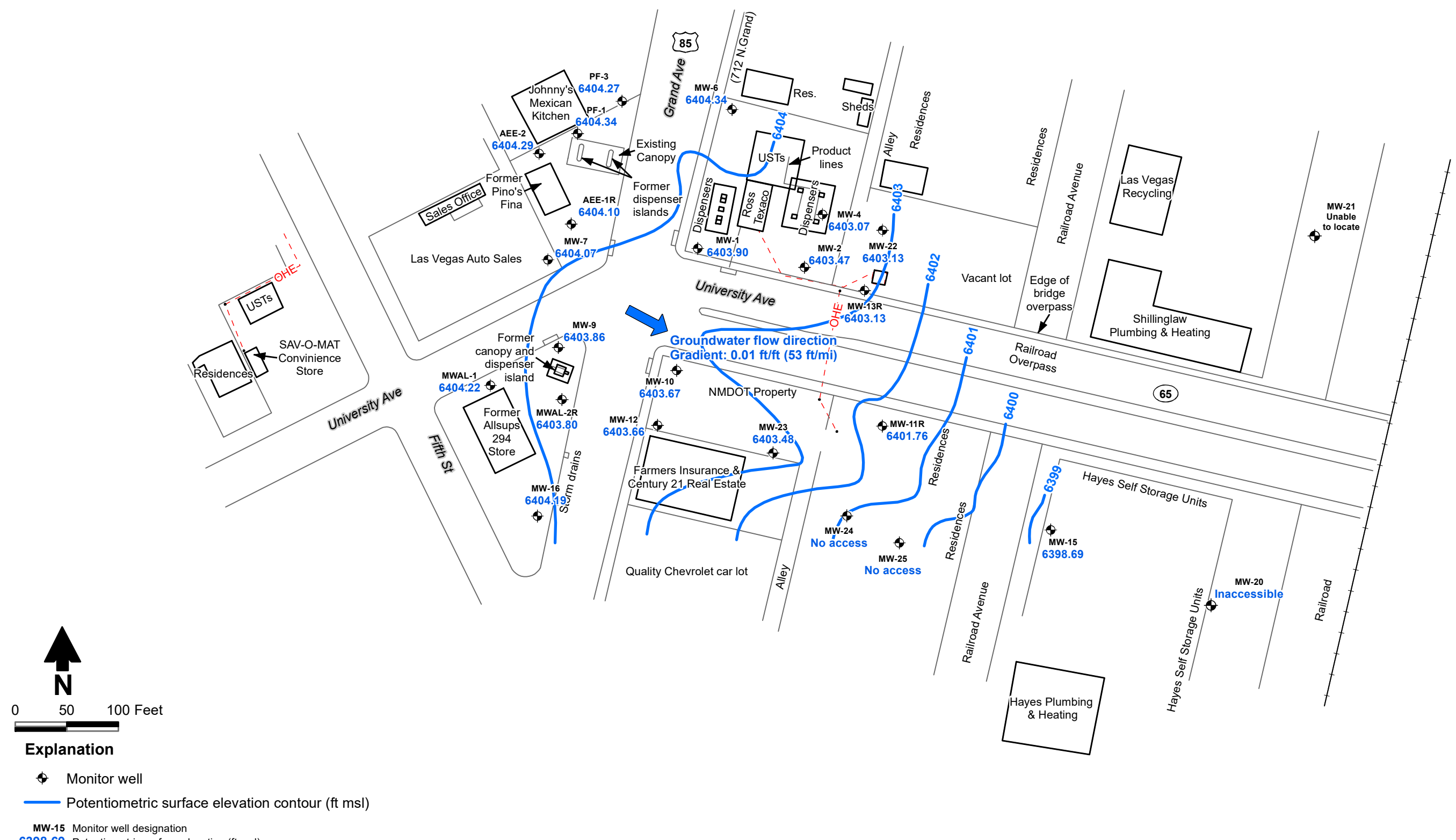


Daniel B. Stephens & Associates, Inc.
2/15/2017 JN ES10.0027.06

**PINO'S FINA
LAS VEGAS, NEW MEXICO
Site Map**

Figure 1

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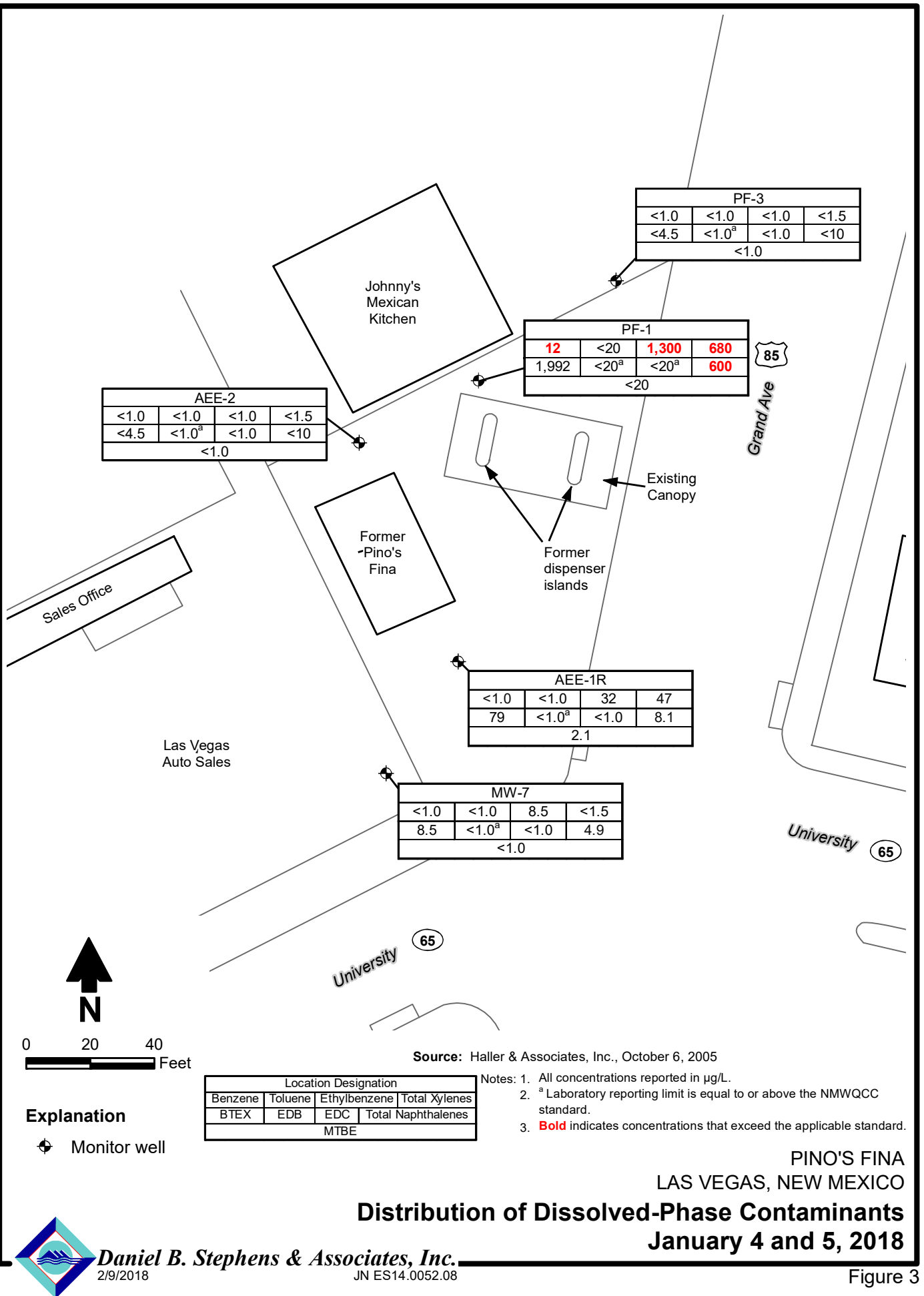
- Explanation**
- Monitor well
 - Potentiometric surface elevation contour (ft msl)
 - MW-15 Monitor well designation
 - 6398.69 Potentiometric surface elevation (ft msl)
 - Groundwater flow direction

- Notes:**
- MW = Ross Texaco monitor well
 - MWAL = Allsup's monitor well
 - PF = Pino's Fina monitor well
 - AEE = Pino's Fina monitor well installed by AE&E

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

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

Figure 2



PINO'S FINA
LAS VEGAS, NEW MEXICO

Distribution of Dissolved-Phase Contaminants

January 4 and 5, 2018



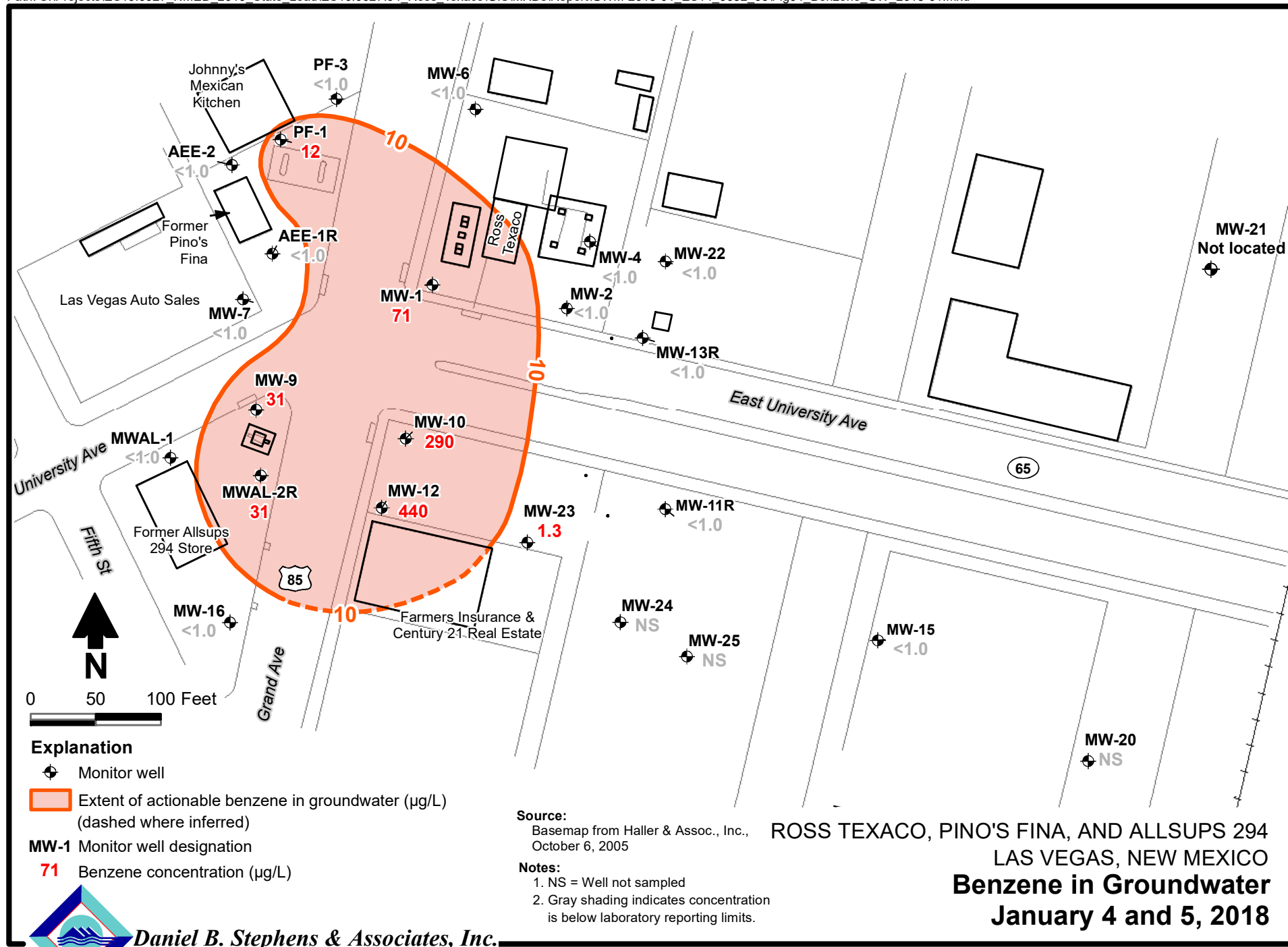
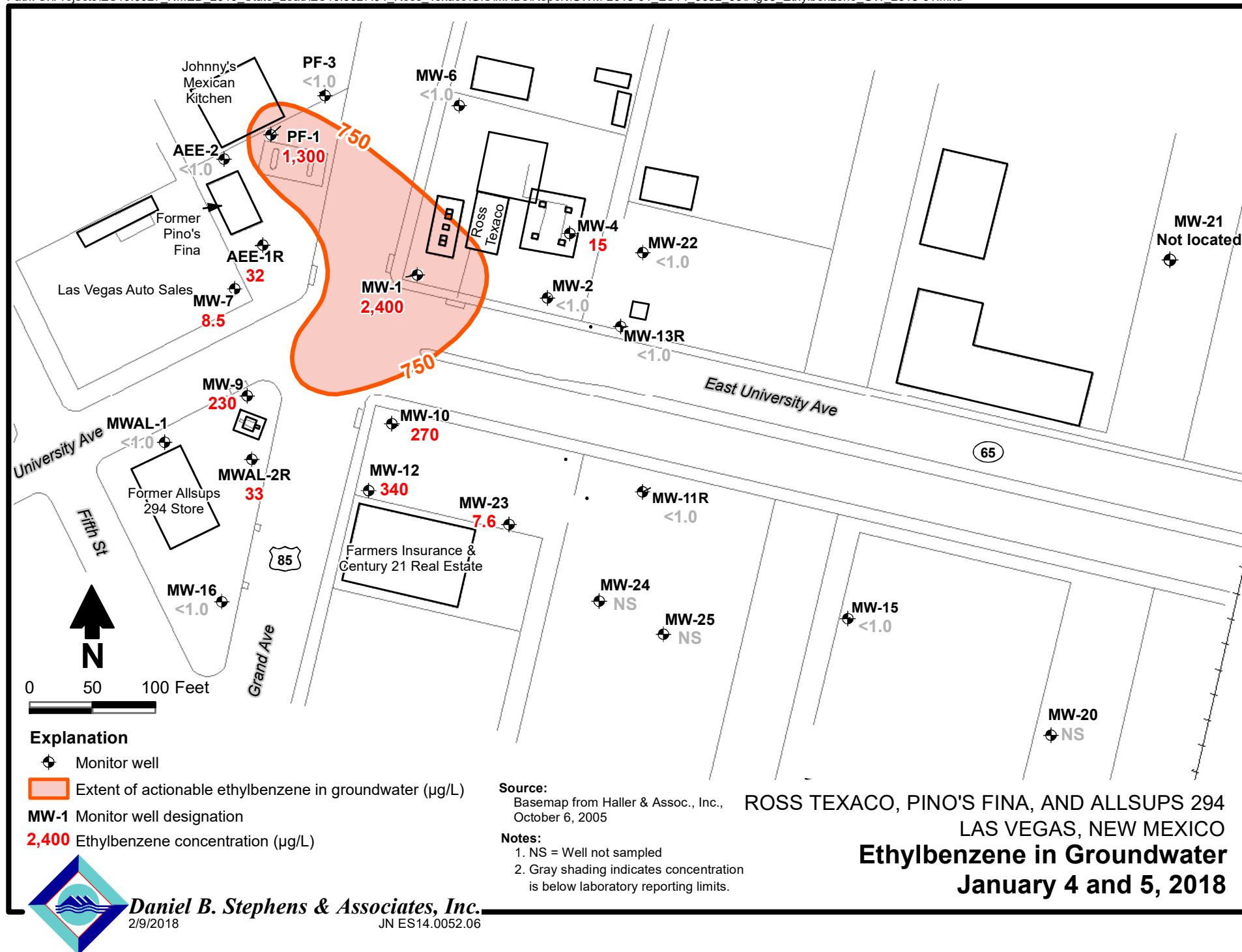
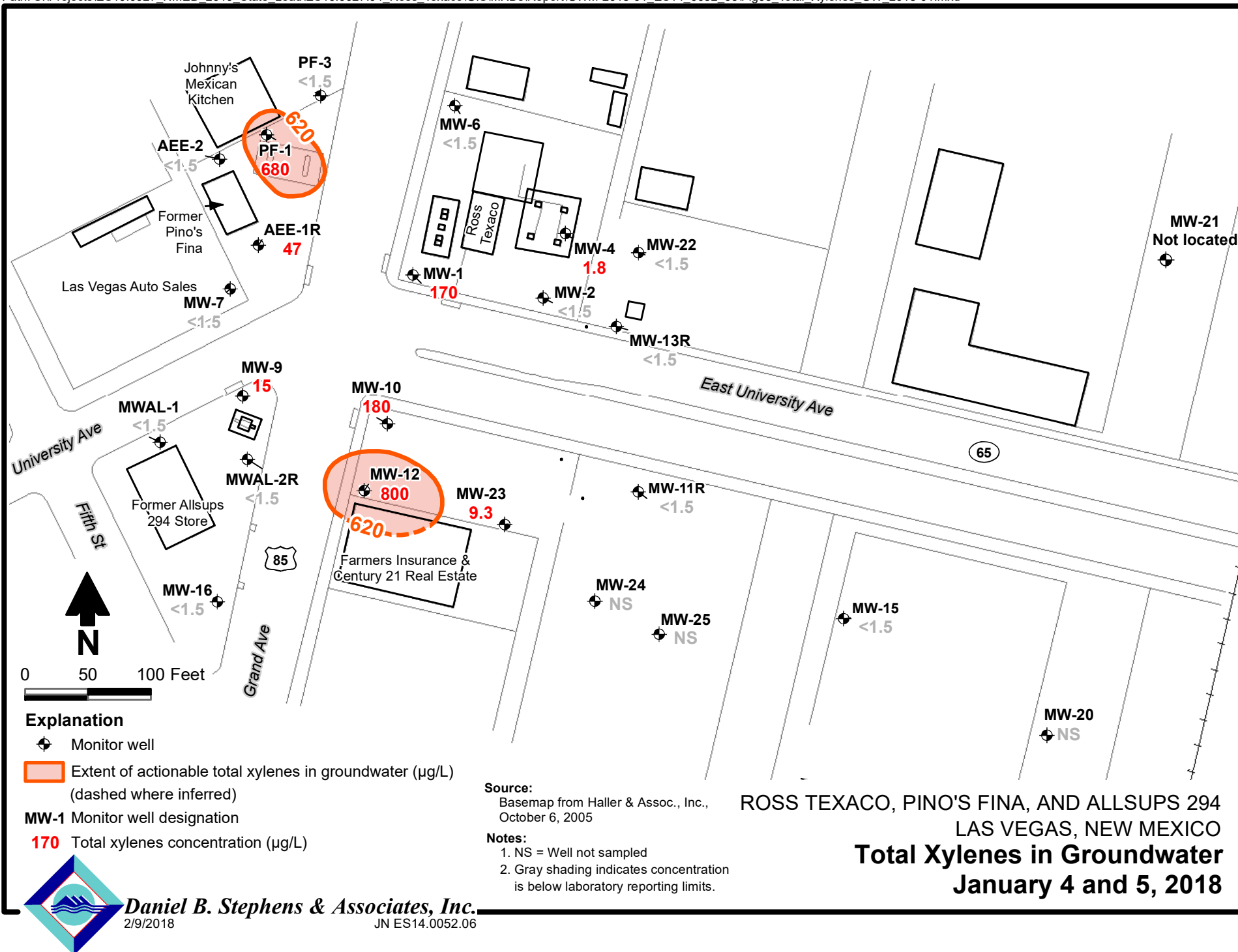


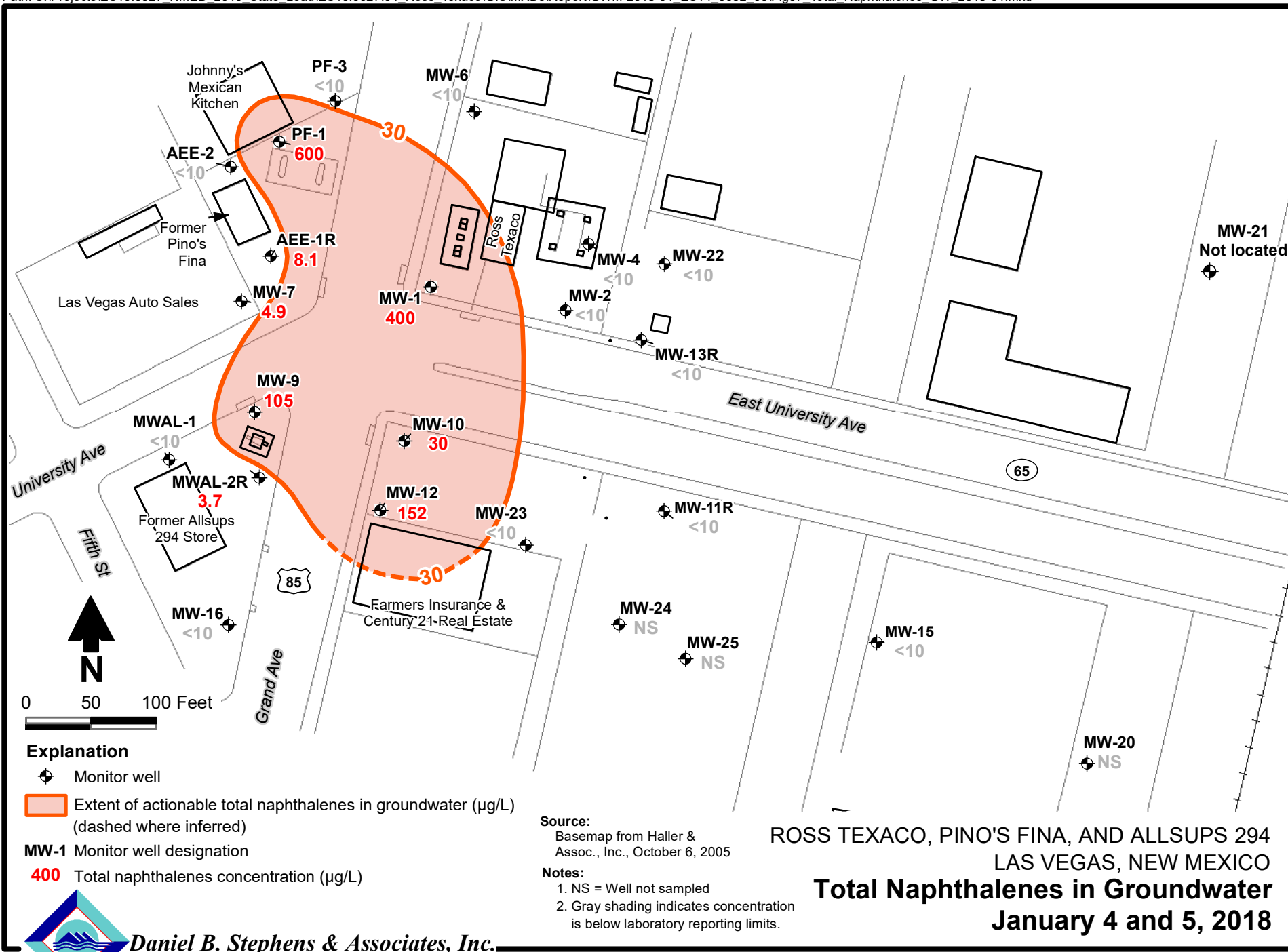
Figure 4



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







Tables

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Table	Included	N/A
1 Summary of Historical Fluid Level Measurements	X	
2 Summary of Analytical Organic Chemistry Data	X	
3 Summary of Analytical Inorganic Chemistry Data and Biological Indicator Parameters	X	
4 Summary of NAPL Recovery	X	



Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsup's 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
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		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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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
ft btoc = Feet below top of casing NA = Not available



Table 1. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsup's 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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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-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
	6419.89 ^d	07/08/13	18.50	0.00	6406.43
		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.

^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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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		
	6418.05 ^d	07/08/13	16.00	0.15	6407.22
		03/26/14	15.16	Sheen	6402.89

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 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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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 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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, Allsup's 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.

^b Groundwater elevation (GWE) corrected for NAPL thickness using the following equation:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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.

^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, Allsup's 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-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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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-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

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

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^b Groundwater elevation (GWE) corrected for NAPL thickness using the following equation:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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.

^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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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
	--- ^e	08/15/11	Not gauged		
		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
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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 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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

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, Allsup's 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

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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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-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

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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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-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

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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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

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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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, Allsup's 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)
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:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

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^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, Allsup's 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.

^b Groundwater elevation (GWE) corrected for NAPL thickness using the following equation:
 $GWE = TOC \text{ Elevation} - (DTW - [NAPL \text{ thickness} \times 0.75])$.

^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 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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.

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

^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, Allsup's 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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— = 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.)	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, Allsup's 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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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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.)	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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^a Samples analyzed in accordance with EPA method 8260B, unless otherwise noted.

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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, Allsup's 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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BTEX = Benzene + toluene + ethylbenzene + total xylenes

MTBE = Methyl tertiary-butyl ether

EDC = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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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EDC = 1,2-Dichloroethane

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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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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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-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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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-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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Ross Texaco, Pino's Fina, Allsup's 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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^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-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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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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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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MTBE = Methyl tertiary-butyl ether

EDC = 1,2-Dichloroethane

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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-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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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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-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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^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, Allsup's 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-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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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
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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
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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^c New Mexico Environmental Improvement Board standard.

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EDC = 1,2-Dichloroethane

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Table 2. Summary of Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsup's 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
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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^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

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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)				
				Nitrate	Sulfate	Dissolved Metals		
						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

mV = Millivolts

ORP = Oxidation-reduction potential

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)				
				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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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-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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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-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	—	—	—	—	—

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ORP = Oxidation-reduction potential

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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)				
				Nitrate	Sulfate	Dissolved Metals		
						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	—	—	—	—	—

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)				
				Nitrate	Sulfate	Dissolved Metals		
						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.

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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)				
				Nitrate	Sulfate	Dissolved Metals		
						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	—	—	—	—	—

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

mV = Millivolts

ORP = Oxidation-reduction potential

NMWQCC = New Mexico Water Quality Control Commission

mg/L = Milligrams per liter

— = 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
Page 8 of 13

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-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	—	—	—	—	—

Bold values exceed applicable NMWQCC standards.

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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-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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Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
Page 10 of 13

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

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
Page 11 of 13

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
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.

DO = Dissolved oxygen

mV = Millivolts

ORP = Oxidation-reduction potential

NMWQCC = New Mexico Water Quality Control Commission

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Daniel B. Stephens & Associates, Inc.

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 12 of 13

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
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.

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

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mV = Millivolts

ORP = Oxidation-reduction potential

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Daniel B. Stephens & Associates, Inc.

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

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
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.

DO = Dissolved oxygen

ORP = Oxidation-reduction potential

mg/L = Milligrams per liter

mV = Millivolts

NMWQCC = New Mexico Water Quality Control Commission

— = Not analyzed



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Table 4. Summary of NAPL Recovery
Ross Texaco, Pino's Fina, Allsup's 294 Sites, Las Vegas, New Mexico
Page 1 of 2

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								
<i>MW-1</i>								
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
<i>MW-4</i>								
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
<i>MW-7</i>								
07/08/13	18.30	ND	0.08 ^d	18.24	3.0	0.10	0.10	0.0
<i>MW-10</i>								
07/08/13	16.00	15.85	0.15	15.89	3.75	0.03	0.03	0.0
<i>MW-12</i>								
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



Daniel B. Stephens & Associates, Inc.

Table 4. Summary of NAPL Recovery
Ross Texaco, Pino's Fina, Allsup's 294 Sites, Las Vegas, New Mexico
Page 2 of 2

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: Pino's Fina
PSTB Facility #: 29980
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



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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

1/20/17
0915 PNB on site
0920 Calibrate VSI
0930 Begin Locating AEE-Round
AEE-2
1040 PNB offsite; All samples
preserved on ice

~~PNB
1/20/17~~

1/4/18 J. Fisher
1520 ONSITE. WEATHER IS
COOL (~54°F), OVERCAST,
CALM. GAUGE SITE WORKS.
SOB FORM FOR DETAILS.
VSI CALIBRATED PREVIOUSLY
TODAY @ ADJACENT SITE
(AUGURS 294).
1600 BEGIN GW SAMPLING.
1800 GW SAMPLING COMPLETE FOR THE
DAY. OFFSITE

~~PNB
1/4/18~~

1/5/18

J. F. HARRIS

0730 ON SITE. Weather is COOL (~30°F),

OVERCAST, BREEZY,

CLIMATE YSD 556.

See Form For Details.

0815 Resume GW SAMPLING.

0950 GW SAMPLING COMPLETE.

OFF TO ROSS BANK SITE.

~~J. F. Harris~~

~~1/5/18~~



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GROUNDWATER ELEVATION DATA SHEET

Project Name: PINO'S FWA

Sampler: J. FISHER

Project #: ES14.0052.08

Sample Date: 1/4/18

Project Manager: MIKE Mc Vey

Sheet # 1 of 1

Well ID	Depth to NAPL	Depth to Water	Total Depth	Comments: (well dia., sampled, condition)
PF-3	—	16.55	24.00	
AEE-2	—	16.90	22.59	
MW-7	—	16.69	23.10	
AEE-1R	—	16.12	28.45	
PF-1	—	16.56	21.09	

Comments:



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GROUNDWATER MONITORING DATA SHEET

Project Name: Pino's Fina Sampler: PNB J. Fisher
Project #: ES14.0052.08.3.1 Sample Date: 1/4/18
Project Manager: M. McVey Sample Time: 1635

Well #: PF-3

Well Diameter: 2 (inches) Height of Water Column: 7.45 (feet)
Depth to NAPL: ~ (feet btoc) Casing Volume: 1.19 (gal)
Depth to Water: 16.55 (feet btoc) Purge Volume: 3.58 (gal)
Total Depth of Well: 24.00 (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	6.75	17.26	1749	-56.5	0.81	---
1	6.78	17.86	1731	-64.9	0.73	---
2	6.82	17.69	1724	-67.5	0.73	---
3	6.82	17.63	1723	-66.1	0.86	---

Sample Description: 3-VOA (H₂C1₂)

Physical Observations: SL TURBID, NO ODOR

Analytical Method(s): 8260B



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Pino's Fina Sampler: PNB, FISHER
Project #: ES14.0052.08.3.1 Sample Date: 1/4/18
Project Manager: M. McVey Sample Time: 1710

Well #: PF-1

Well Diameter: 2 (inches) Height of Water Column: 4.53 (feet)
Depth to NAPL: - (feet btoc) Casing Volume: 0.72 (gal)
Depth to Water: 16.56 (feet btoc) Purge Volume: 2.17 (gal)
Total Depth of Well: 21.09 (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	<u>6.79</u>	<u>16.28</u>	<u>1371</u>	<u>-144.9</u>	<u>1.24</u>	---
1		<u>NAPL SCREEN</u>				---
2						---
3						---

Sample Description: 3-VOA (H₅Cl₂)

Physical Observations: NAPL SCREEN, BUBBLY, TURBID, 140 ODOR

Analytical Method(s): 8260B



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Pino's Fina Sampler: PNB J. FISHER
Project #: ES14.0052.08.3.1 Sample Date: 1/4/18
Project Manager: M. McVey Sample Time: 1745

Well #: AEF-2

Well Diameter: 2 (inches) Height of Water Column: 5.69 (feet)
Depth to NAPL: — (feet btoc) Casing Volume: 0.91 (gal)
Depth to Water: 16.90 (feet btoc) Purge Volume: 2.73 (gal)
Total Depth of Well: 22.59 (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	6.75	15.38	1739	-153.7	1.20	---
1	6.83	15.74	1782	-136.1	1.17	---
2	6.81	15.61	1784	-118.9	1.35	---
3	6.81	15.64	1813	-109.3	1.44	---

Sample Description: 3-VOA (HgCl₂)

Physical Observations: Turbid, Brown, No odor

Analytical Method(s): 8260B



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Pino's Fina Sampler: PNB
Project #: ES14.0052.08.3.1 Sample Date: 1/5/18
Project Manager: M. McVey Sample Time: 0900

Well #: MW-7
Well Diameter: 2 (inches) Height of Water Column: 6.41 (feet)
Depth to NAPL: — (feet btoc) Casing Volume: 1.03 (gal)
Depth to Water: 16.69 (feet btoc) Purge Volume: 3.08 (gal)
Total Depth of Well: 23.10 (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	15.07	1394	-80.7	1.98	---
1	6.71	15.46	2343	-85.4	1.16	---
2	6.69	15.52	2361	-89.1	1.22	---
3	6.70	15.49	2321	-91.3	1.26	---

Sample Description: 3-VOA (H₂Cl₂)

Physical Observations: Turbid; MC odor

Analytical Method(s): 8260B



Daniel B. Stephens & Associates, Inc.

GROUNDWATER MONITORING DATA SHEET

Project Name: Pino's Fina Sampler: PNB J. FISHCOT
Project #: ES14.0052.08.3.1 Sample Date: 1/5/18
Project Manager: M. McVey Sample Time: 0940

Well #: AEE-1R
Well Diameter: 2 (inches) Height of Water Column: 12.33 (feet)
Depth to NAPL: - (feet btoc) Casing Volume: 1.97 (gal)
Depth to Water: 16.12 (feet btoc) Purge Volume: 5.92 (gal)
Total Depth of Well: 28.45 (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	6.61	16.26	1091	-98.3	1.10	---
1	6.75	16.42	1461	-59.6	1.17	---
2	6.75	16.45	1476	-53.3	1.21	---
3	6.74	16.30	1477	-46.2		---

Sample Description: 3-VOL (H₂O₂)

Physical Observations: V. TURBID, Dk Brown, 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: Pinos Fina

OrderNo.: 1801317

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 6 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,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: PF-3

Project: Pinos Fina

Collection Date: 1/4/2018 4:35:00 PM

Lab ID: 1801317-001

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 4:15:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 4:15:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 4:15:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 4:15:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 4:15:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: PF-3

Project: Pinos Fina

Collection Date: 1/4/2018 4:35:00 PM

Lab ID: 1801317-001

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 4:15:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 4:15:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 4:15:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 4:15:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 4:15:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	87.9	70-130		%Rec	1	1/11/2018 4:15:00 PM	R48387
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	1/11/2018 4:15:00 PM	R48387
Surr: Dibromofluoromethane	87.9	70-130		%Rec	1	1/11/2018 4:15:00 PM	R48387
Surr: Toluene-d8	83.3	70-130		%Rec	1	1/11/2018 4:15:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: PF-1

Project: Pinos Fina

Collection Date: 1/4/2018 5:10:00 PM

Lab ID: 1801317-002

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	12	10	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Toluene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Ethylbenzene	1300	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2,4-Trimethylbenzene	1900	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,3,5-Trimethylbenzene	160	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Naphthalene	250	40	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1-Methylnaphthalene	220	80	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
2-Methylnaphthalene	130	80	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Acetone	ND	200	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Bromobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Bromodichloromethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Bromoform	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Bromomethane	ND	60	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
2-Butanone	ND	200	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Carbon disulfide	ND	200	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Carbon Tetrachloride	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Chlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Chloroethane	ND	40	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Chloroform	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Chloromethane	ND	60	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
2-Chlorotoluene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
4-Chlorotoluene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
cis-1,2-DCE	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
cis-1,3-Dichloropropene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	40	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Dibromochloromethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Dibromomethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2-Dichlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,3-Dichlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,4-Dichlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Dichlorodifluoromethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1-Dichloroethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1-Dichloroethene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2-Dichloropropane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,3-Dichloropropane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
2,2-Dichloropropane	ND	40	D	µg/L	20	1/11/2018 5:49:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: PF-1

Project: Pinos Fina

Collection Date: 1/4/2018 5:10:00 PM

Lab ID: 1801317-002

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	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Hexachlorobutadiene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
2-Hexanone	ND	200	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Isopropylbenzene	100	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
4-Isopropyltoluene	23	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
4-Methyl-2-pentanone	ND	200	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Methylene Chloride	ND	60	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
n-Butylbenzene	74	60	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
n-Propylbenzene	360	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
sec-Butylbenzene	36	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Styrene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
tert-Butylbenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	40	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Tetrachloroethene (PCE)	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
trans-1,2-DCE	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
trans-1,3-Dichloropropene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2,3-Trichlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2,4-Trichlorobenzene	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1,1-Trichloroethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,1,2-Trichloroethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Trichloroethene (TCE)	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Trichlorofluoromethane	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
1,2,3-Trichloropropane	ND	40	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Vinyl chloride	ND	20	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Xylenes, Total	680	30	D	µg/L	20	1/11/2018 5:49:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	83.7	70-130	D	%Rec	20	1/11/2018 5:49:00 PM	R48387
Surr: 4-Bromofluorobenzene	84.7	70-130	D	%Rec	20	1/11/2018 5:49:00 PM	R48387
Surr: Dibromofluoromethane	83.2	70-130	D	%Rec	20	1/11/2018 5:49:00 PM	R48387
Surr: Toluene-d8	83.3	70-130	D	%Rec	20	1/11/2018 5:49:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: AEE-2

Project: Pinos Fina

Collection Date: 1/4/2018 5:45:00 PM

Lab ID: 1801317-003

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	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 6:13:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 6:13:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 6:13:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 6:13:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: AEE-2

Project: Pinos Fina

Collection Date: 1/4/2018 5:45:00 PM

Lab ID: 1801317-003

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	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 6:13:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 6:13:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 6:13:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 6:13:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	86.5	70-130		%Rec	1	1/11/2018 6:13:00 PM	R48387
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	1/11/2018 6:13:00 PM	R48387
Surr: Dibromofluoromethane	84.8	70-130		%Rec	1	1/11/2018 6:13:00 PM	R48387
Surr: Toluene-d8	84.6	70-130		%Rec	1	1/11/2018 6:13:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-7

Project: Pinos Fina

Collection Date: 1/5/2018 9:00:00 AM

Lab ID: 1801317-004

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	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Ethylbenzene	8.5	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2,4-Trimethylbenzene	3.3	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1-Methylnaphthalene	4.9	4.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 6:37:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 6:37:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 6:37:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 6:37:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: MW-7

Project: Pinos Fina

Collection Date: 1/5/2018 9:00:00 AM

Lab ID: 1801317-004

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 6:37:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 6:37:00 PM	R48387
Isopropylbenzene	3.8	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 6:37:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
n-Propylbenzene	15	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
sec-Butylbenzene	2.3	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 6:37:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 6:37:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	85.7	70-130		%Rec	1	1/11/2018 6:37:00 PM	R48387
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	1/11/2018 6:37:00 PM	R48387
Surr: Dibromofluoromethane	84.8	70-130		%Rec	1	1/11/2018 6:37:00 PM	R48387
Surr: Toluene-d8	82.4	70-130		%Rec	1	1/11/2018 6:37:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: AEE-1R

Project: Pinos Fina

Collection Date: 1/5/2018 9:40:00 AM

Lab ID: 1801317-005

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	1/12/2018 12:00:00 PM	R48395
Toluene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Ethylbenzene	32	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Methyl tert-butyl ether (MTBE)	2.1	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2,4-Trimethylbenzene	32	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,3,5-Trimethylbenzene	2.8	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Naphthalene	8.1	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1-Methylnaphthalene	ND	4.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
2-Methylnaphthalene	ND	4.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Acetone	ND	10		µg/L	1	1/12/2018 12:00:00 PM	R48395
Bromobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Bromodichloromethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Bromoform	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Bromomethane	ND	3.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
2-Butanone	ND	10		µg/L	1	1/12/2018 12:00:00 PM	R48395
Carbon disulfide	ND	10		µg/L	1	1/12/2018 12:00:00 PM	R48395
Carbon Tetrachloride	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Chlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Chloroethane	ND	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Chloroform	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Chloromethane	ND	3.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
2-Chlorotoluene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
4-Chlorotoluene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
cis-1,2-DCE	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Dibromochloromethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Dibromomethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1-Dichloroethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1-Dichloroethene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2-Dichloropropane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,3-Dichloropropane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
2,2-Dichloropropane	ND	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395

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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: AEE-1R

Project: Pinos Fina

Collection Date: 1/5/2018 9:40:00 AM

Lab ID: 1801317-005

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	1/12/2018 12:00:00 PM	R48395
Hexachlorobutadiene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
2-Hexanone	ND	10		µg/L	1	1/12/2018 12:00:00 PM	R48395
Isopropylbenzene	1.3	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
4-Isopropyltoluene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
4-Methyl-2-pentanone	ND	10		µg/L	1	1/12/2018 12:00:00 PM	R48395
Methylene Chloride	ND	3.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
n-Butylbenzene	ND	3.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
n-Propylbenzene	3.7	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
sec-Butylbenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Styrene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
tert-Butylbenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
trans-1,2-DCE	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Trichlorofluoromethane	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Vinyl chloride	ND	1.0		µg/L	1	1/12/2018 12:00:00 PM	R48395
Xylenes, Total	47	1.5		µg/L	1	1/12/2018 12:00:00 PM	R48395
Surr: 1,2-Dichloroethane-d4	84.8	70-130		%Rec	1	1/12/2018 12:00:00 PM	R48395
Surr: 4-Bromofluorobenzene	80.9	70-130		%Rec	1	1/12/2018 12:00:00 PM	R48395
Surr: Dibromofluoromethane	83.4	70-130		%Rec	1	1/12/2018 12:00:00 PM	R48395
Surr: Toluene-d8	83.1	70-130		%Rec	1	1/12/2018 12:00:00 PM	R48395

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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: Trip Blank

Project: Pinos Fina

Collection Date:

Lab ID: 1801317-006

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 7:47:00 PM	R48387
Toluene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Ethylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Naphthalene	ND	2.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
2-Methylnaphthalene	ND	4.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Acetone	ND	10		µg/L	1	1/11/2018 7:47:00 PM	R48387
Bromobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Bromodichloromethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Bromoform	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Bromomethane	ND	3.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
2-Butanone	ND	10		µg/L	1	1/11/2018 7:47:00 PM	R48387
Carbon disulfide	ND	10		µg/L	1	1/11/2018 7:47:00 PM	R48387
Carbon Tetrachloride	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Chlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Chloroethane	ND	2.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Chloroform	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Chloromethane	ND	3.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
2-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
4-Chlorotoluene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
cis-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Dibromochloromethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Dibromomethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,3-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,4-Dichlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Dichlorodifluoromethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1-Dichloroethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1-Dichloroethene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,3-Dichloropropane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
2,2-Dichloropropane	ND	2.0		µg/L	1	1/11/2018 7:47:00 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 Quantitative 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.

Analytical Report

Lab Order 1801317

Date Reported: 1/16/2018

CLIENT: Daniel B. Stephens & Assoc.

Client Sample ID: Trip Blank

Project: Pinos Fina

Collection Date:

Lab ID: 1801317-006

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 7:47:00 PM	R48387
Hexachlorobutadiene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
2-Hexanone	ND	10		µg/L	1	1/11/2018 7:47:00 PM	R48387
Isopropylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
4-Isopropyltoluene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
4-Methyl-2-pentanone	ND	10		µg/L	1	1/11/2018 7:47:00 PM	R48387
Methylene Chloride	ND	3.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
n-Butylbenzene	ND	3.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
n-Propylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
sec-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Styrene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
tert-Butylbenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
trans-1,2-DCE	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1,1-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,1,2-Trichloroethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Trichloroethene (TCE)	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Trichlorofluoromethane	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
1,2,3-Trichloropropane	ND	2.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Vinyl chloride	ND	1.0		µg/L	1	1/11/2018 7:47:00 PM	R48387
Xylenes, Total	ND	1.5		µg/L	1	1/11/2018 7:47:00 PM	R48387
Surr: 1,2-Dichloroethane-d4	85.9	70-130		%Rec	1	1/11/2018 7:47:00 PM	R48387
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	1/11/2018 7:47:00 PM	R48387
Surr: Dibromofluoromethane	84.4	70-130		%Rec	1	1/11/2018 7:47:00 PM	R48387
Surr: Toluene-d8	81.9	70-130		%Rec	1	1/11/2018 7:47:00 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 Quantitative 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#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

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:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

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.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

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			

Sample ID 1801317-001AMS	SampType: MS		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PF-3	Batch ID: R48387		RunNo: 48387							
Prep Date:	Analysis Date: 1/11/2018		SeqNo: 1554846		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	20	1.0	20.00	0	102	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	111	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	99.4	70	130			
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.3	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		82.3	70	130			
Surr: Dibromofluoromethane	8.6		10.00		85.8	70	130			
Surr: Toluene-d8	8.2		10.00		81.9	70	130			

Sample ID 1801317-001AMSD	SampType: MSD		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PF-3	Batch ID: R48387		RunNo: 48387							
Prep Date:	Analysis Date: 1/11/2018		SeqNo: 1554849		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130	1.98	20	
Toluene	20	1.0	20.00	0	98.8	70	130	1.85	20	
Chlorobenzene	20	1.0	20.00	0	101	70	130	1.47	20	
1,1-Dichloroethene	22	1.0	20.00	0	112	70	130	0.944	20	
Trichloroethene (TCE)	20	1.0	20.00	0	99.9	70	130	0.532	20	
Surr: 1,2-Dichloroethane-d4	9.0		10.00		89.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.2		10.00		82.0	70	130	0	0	
Surr: Dibromofluoromethane	8.9		10.00		88.6	70	130	0	0	
Surr: Toluene-d8	8.2		10.00		81.5	70	130	0	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
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 Quantitative 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#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

Sample ID	100ng lcs	SampType: LCS			TestCode: EPA Method 8260B: VOLATILES					
Client ID:	LCSW	Batch ID: R48395			RunNo: 48395					
Prep Date:		Analysis Date: 1/12/2018			SeqNo: 1556840		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	102	70	130			
Chlorobenzene	21	1.0	20.00	0	105	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	8.4		10.00		84.2	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		82.4	70	130			
Surr: Dibromofluoromethane	8.3		10.00		83.2	70	130			
Surr: Toluene-d8	8.3		10.00		83.2	70	130			

Sample ID	rb	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID: R48395			RunNo: 48395					
Prep Date:		Analysis Date: 1/12/2018			SeqNo: 1556841		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:

*	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 Quantitative 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#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

Sample ID	rb	SampType: MBLK			TestCode: EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID: R48395			RunNo: 48395					
Prep Date:		Analysis Date: 1/12/2018			SeqNo: 1556841	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.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1801317

16-Jan-18

Client: Daniel B. Stephens & Assoc.

Project: Pinos Fina

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8260B: VOLATILES					
Client ID:	PBW	Batch ID:	R48395	RunNo:	48395					
Prep Date:		Analysis Date:	1/12/2018	SeqNo:	1556841	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	8.3		10.00		82.8	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		82.3	70	130			
Surr: Dibromofluoromethane	8.4		10.00		84.5	70	130			
Surr: Toluene-d8	8.3		10.00		83.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
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P Sample pH Not In Range
RL Reporting Detection Limit
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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: 1801317

RcptNo: 1

Received By: Dennis Suazo

1/8/2018 9:40:00 AM

Dennis Suazo

Completed By: Dennis Suazo

1/8/2018 10:01:05 AM

Dennis Suazo

Reviewed By: DDS/ENM

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 $>0^{\circ}\text{C}$ 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 ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
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				Turn-Around Time:		
Client: DBS & A				☒ Standard ☐ Rush		
Mailing Address: 6020 Academy NE Suite 100 Albuquerque, NM 87109				Project Name: PINDO'S FIMA		
Phone #: 505-822-9400				Project #: ES 14.0052.08		
email or Fax#: mmvey@cd6stephens.com				Project Manager: Mike McVey		
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)				Sampler: J. Fisher		
Accreditation ☐ NELAP ☐ Other _____				On Ice: ☒ Yes ☐ No		
☐ EDD (Type) _____				Sample Temperature: 1.8-1.0 (C/F) = 0.8		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
1/4/18	1635	GW	PF-3	3-VOA	H ₂ O ₂	001
	1710		PF-1			002
	1745		AEE-2			003
1/5/18	0900		MW-7			004
	0940		AEE-1R			005
			TRIP BURN	2-VOA		006
Signature: [Signature]						
Date:	Time:	Relinquished by:		Received by:	Date	Time
1/8/18	0940	[Signature]		[Signature]	1/08/18	0940
Date:	Time:	Relinquished by:		Received by:	Date	Time

☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: $18-1.0(^{\circ}\text{C}) = 0.8$

Container
Type and #Preservative
Type

HEAL No.

180131T

HALL ENVIRONMENTAL ANALYSIS LABORATORY

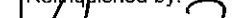
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
18/18	0940			1/03/13	0940
Date:	Time:	Relinquished by:	Received by:	Date	Time

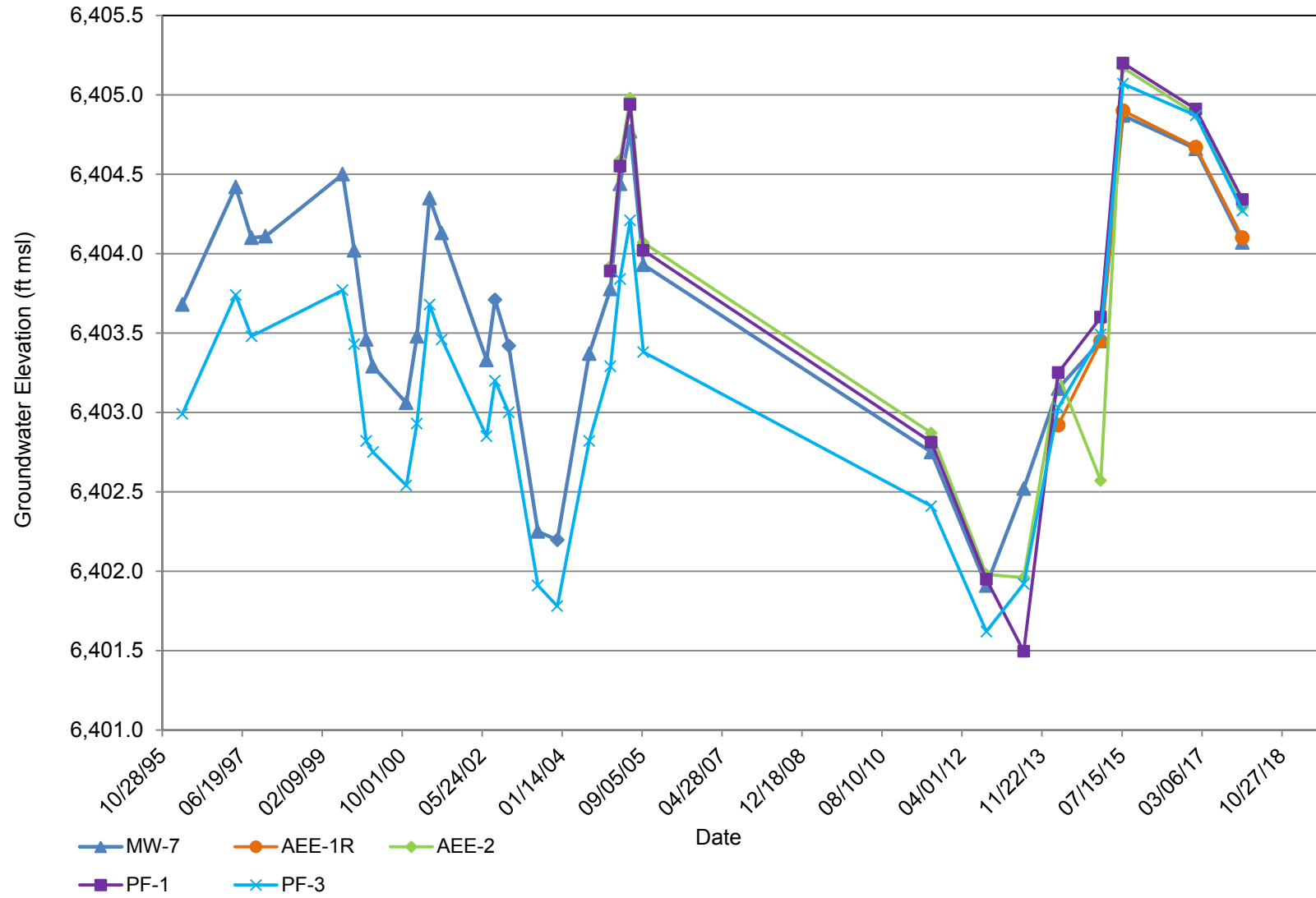
Remarks:

Appendix 4

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

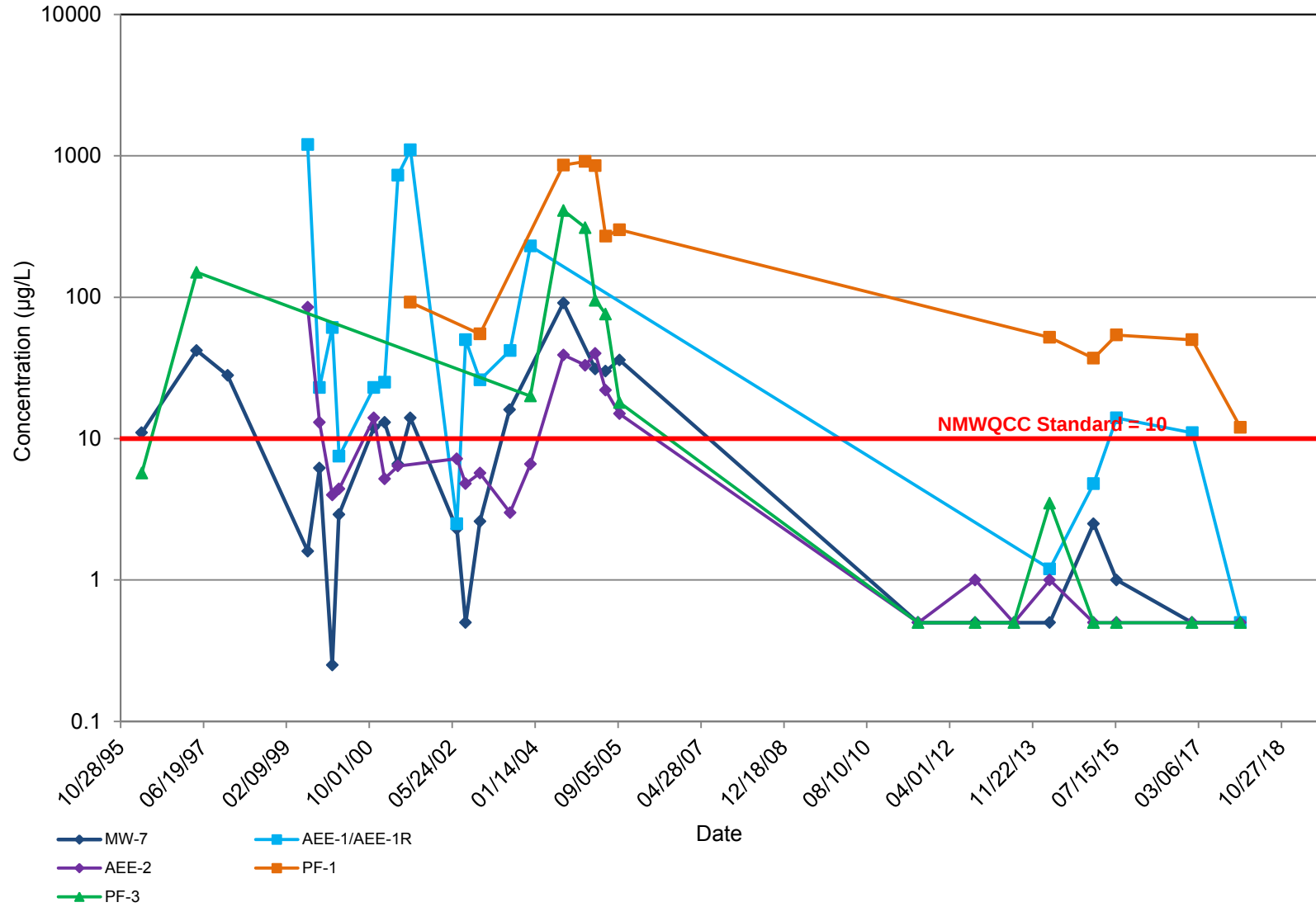
Groundwater Elevation

Pino's Fina



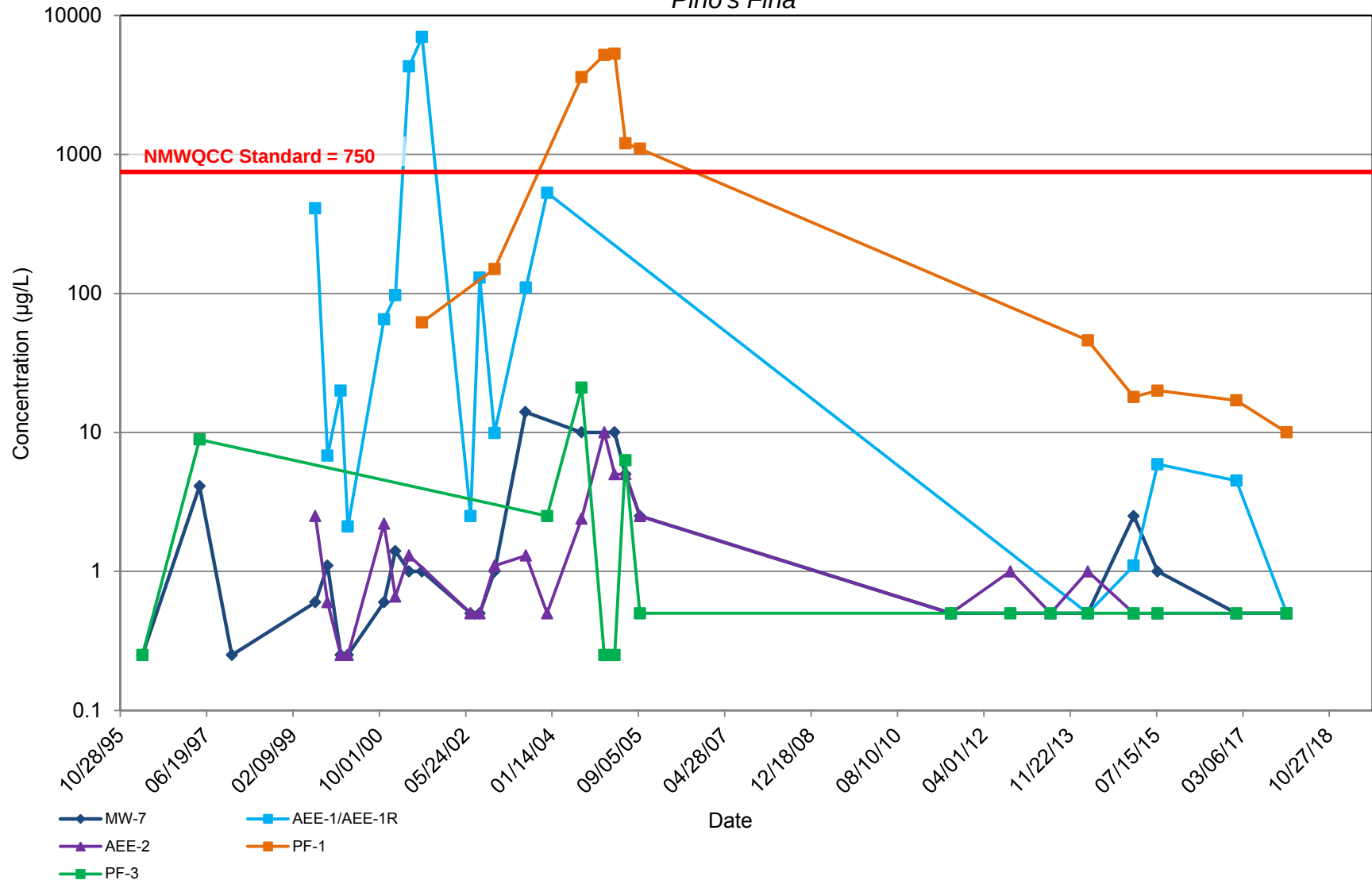
Benzene Concentration

Pino's Fina



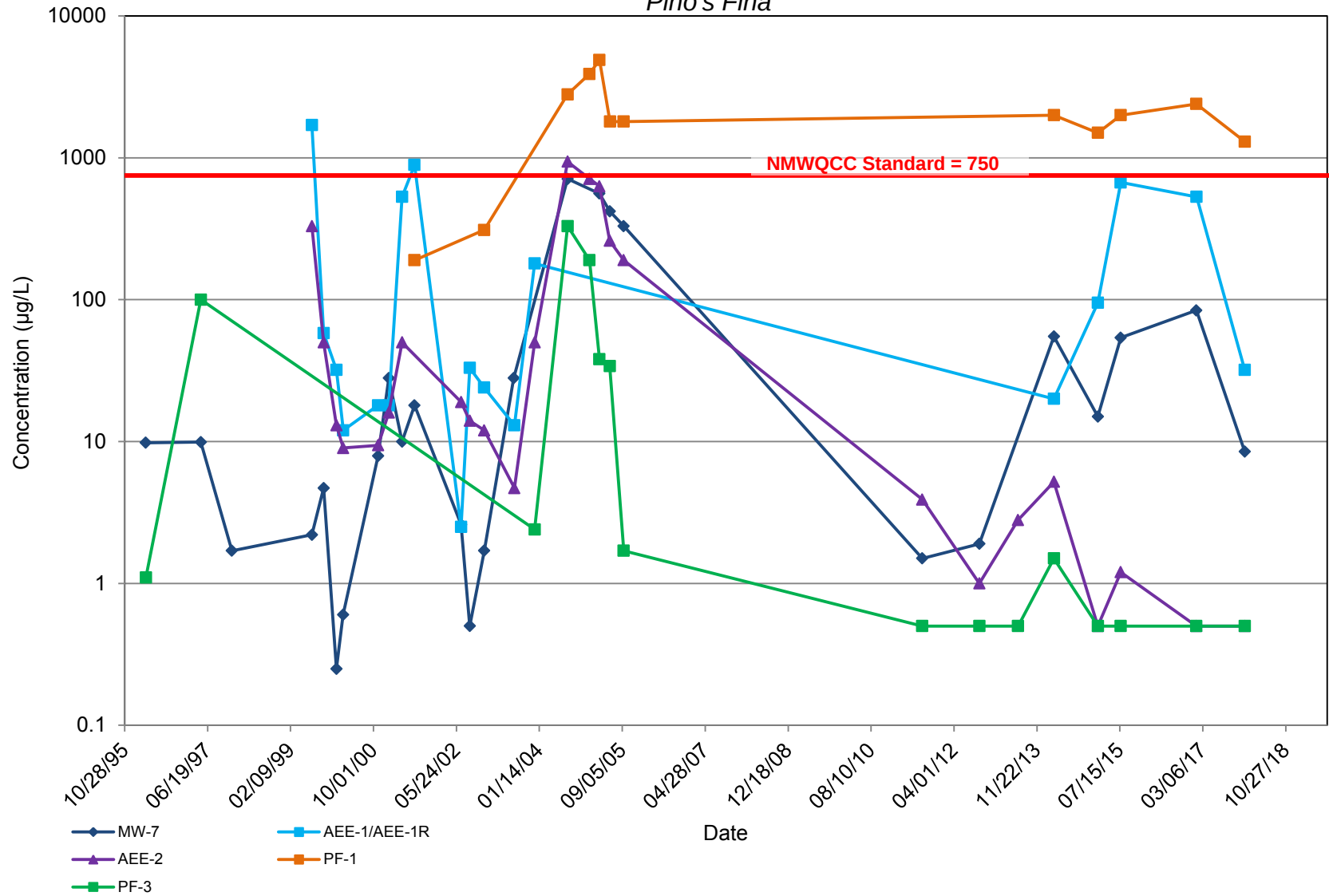
Toluene Concentrations

Pino's Fina



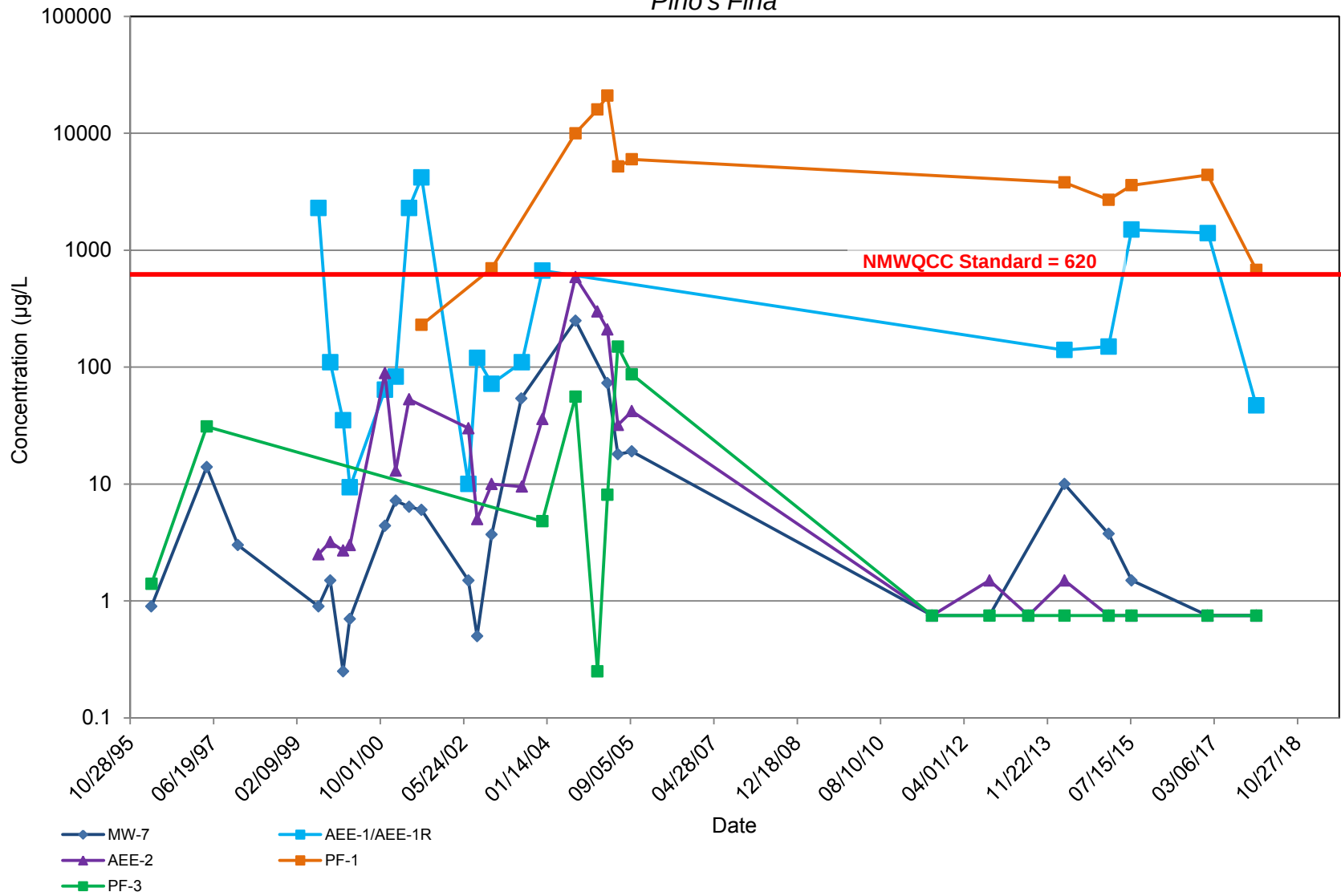
Ethylbenzene Concentrations

Pino's Fina



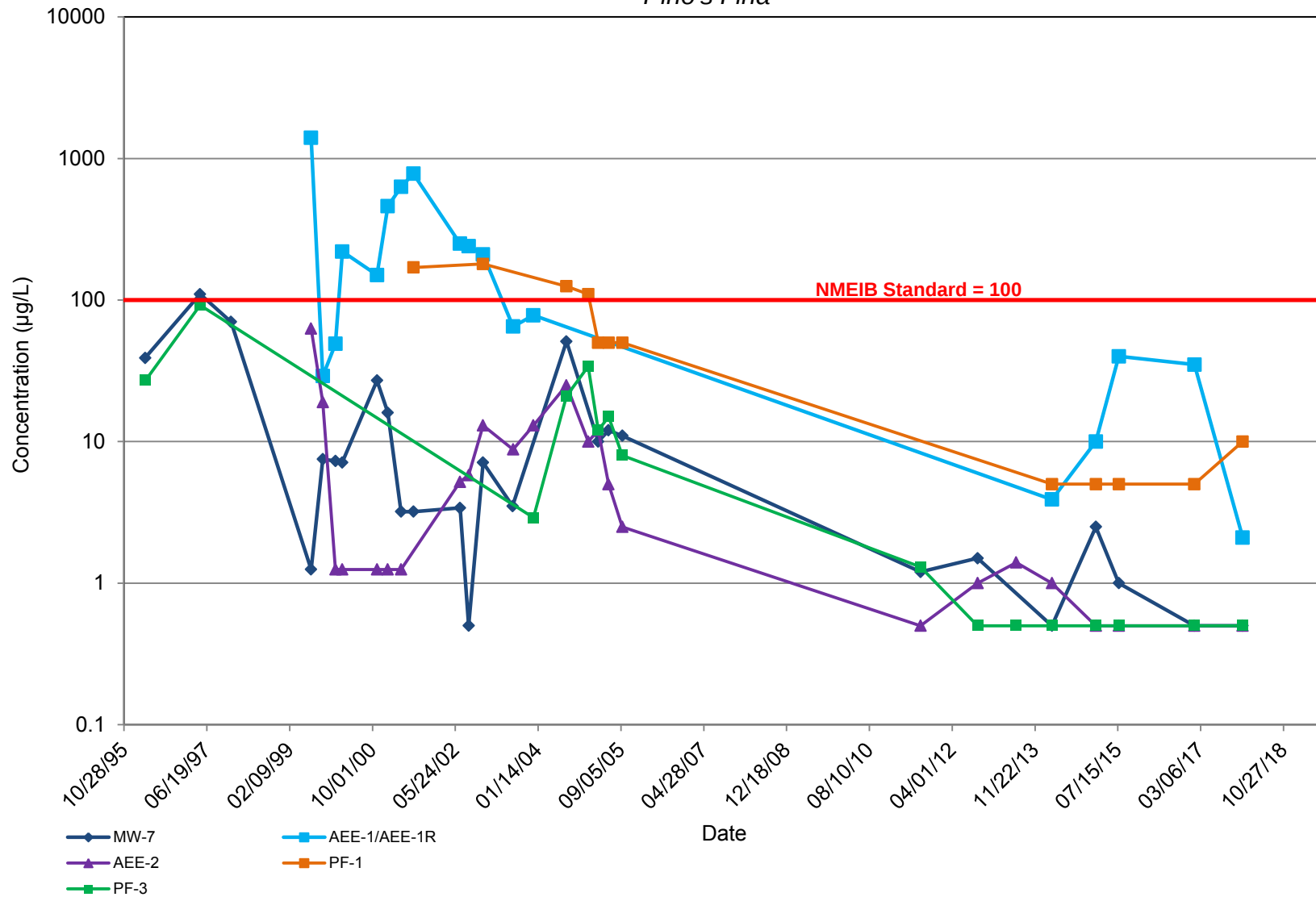
Total Xylene Concentration

Pino's Fina



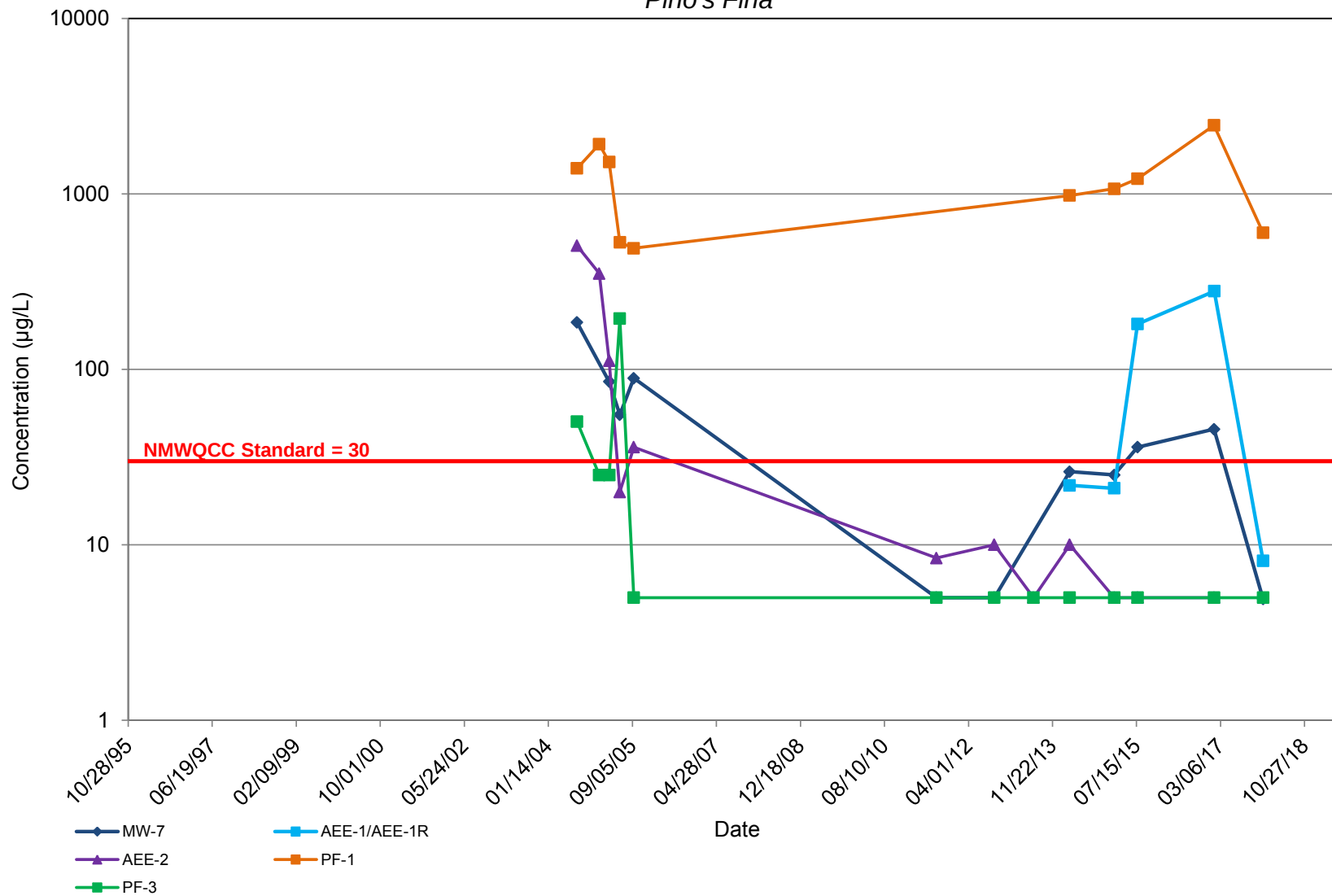
MTBE Concentrations

Pino's Fina



Total Naphthalene Concentrations

Pino's Fina



NAPL Thickness

Pino's Fina

