May 29, 2014

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

Re: Monitor Well Installation and Groundwater Monitoring
Atex 394(Allsup ~~Allsups 294,~~ 615 North Grand Avenue, Las Vegas, New Mexico
Facility #: 26519, Release ID #: 817, WPID #: 3721

Dear Mr. Beaumont:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this report documenting the installation of one new monitor well and groundwater monitoring at the above-referenced site. All field activities were conducted in accordance with work plan identification (WPID) number 3721, New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) Guidelines for Corrective Action (Guidelines), and DBS&A standard operating procedures.

DBS&A contracted with Enviro-Drill, Inc. (Enviro-Drill) of Albuquerque, New Mexico to perform the drilling and well installation services. The well was installed using a CME-75 hollow stem auger drill rig. A DBS&A geologist was on-site during installation of the well to provide oversight, field screening, logging of soils, and collection of soil samples for laboratory analysis. Field notes documenting drilling and associated field activities are provided in Attachment 1. Photos documenting field activities are provided in Attachment 2. Specific details of well installation and groundwater monitoring are discussed below.

Well Installation

Prior to drilling, an access agreement was secured from the property owner where the well was to be installed. A well permit was obtained from the Office of the State Engineer. Utility clearances were provided by New Mexico One Call.

The locations of the four Allsups 294 site monitor wells (MW-9, MW-16, MWAL-1, and MWAL-2R) are shown on Figure 1. The new monitor well, MWAL-2R, was installed on March 6, 2014 as a replacement well for monitor well MWAL-2 which was destroyed during the removal of the Allsups 294 underground storage tanks (USTs) in November 2012. MWAL-2R was completed to a total depth (TD) of 30 feet below ground surface (feet bgs).

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Soil samples were collected from the borehole during drilling using a decontaminated continuous core-barrel sampler and split spoon sampler. Sub-samples were collected from each sampling interval for lithologic description, field screening, and laboratory analysis, in accordance with the Guidelines. A geologic log for the well boring is provided in Attachment 3.

Field screening of soils was performed using a photoionization detector (PID) in accordance with the steps outlined in Section 1.4.1.1 of the Guidelines. PID readings from soil samples collected during drilling are shown on the geologic log (Attachment 3). PID readings ranging from 0.0 to 1,439 parts per million by volume (ppmv) were observed in field screening samples collected from the boring during drilling. The 1,439 ppmv PID reading was noted at the water table interface, in the 15 to 20 feet bgs sample interval.

Soil Analytical Results

A total of two soil samples were submitted for laboratory analysis from the MWAL-2R borehole. No soil samples were submitted for laboratory analysis from above the water table because PID readings were all less than 100 ppmv. Soil samples were submitted for laboratory analysis from the water table interface and from the bottom of the boring. Specific sampling depths for samples submitted to the analytical laboratory are provided in Table 1.

The samples selected for laboratory analysis were extracted with methanol in the field pursuant to Sections 1.4.1.2 and 1.4.1.3 of the Guidelines. The samples were submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico, for volatile organic compound (VOC) analysis including benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC), and total naphthalenes using U.S. Environmental Protection Agency (EPA) method 8260B (full list).

Analytical results for soil samples collected from the boring showed the following:

- Benzene (0.67 milligrams per kilogram [mg/Kg]), MTBE (0.22 mg/Kg), and total naphthalenes (1.13 mg/Kg) exceeded the Tier 1 risk-based screening levels (RBSLs) in the 15 to 17 feet bgs sample.
- VOCs were not detected at concentrations above laboratory reporting limits or Tier 1 RBSLs in the 28 to 30 feet bgs sample.

Laboratory analytical results for soil samples are summarized in Table 1. Complete laboratory analytical reports and chain-of-custody documentation are provided in Attachment 4.

Well Completion

The well was installed according to the procedures specified in the Guidelines, Section 2: Procedures for Constructing Monitoring Wells. An as-built diagram and specific completion details for the well are provided with the geologic log in Attachment 3. General specifications adhered to during well installation are as follows:

- The well was constructed using 15 feet of 2-inch-diameter, 0.010-inch-slot, Schedule 40 (SCH 40) poly-vinyl chloride (PVC), machine cut, flush-threaded well screen, with blank 2-inch-diameter SCH 40 PVC casing to the surface and a 2-inch PVC pointed end cap.

- The targeted well screen placement was approximately 5 feet above and 10 feet below the static water table, as estimated following completion of the drilling of the borehole. Although the water level in the borehole was observed prior to well construction, the screen placement varied with respect to the final water table elevation observed following well completion.

- Filter pack consisting of 10/20 silica sand was installed in the well annulus from the bottom of the soil boring to approximately 3 feet above the top of the well screen.

- A 3-foot-thick activated bentonite chip seal was installed on top of the filter pack.

- The remaining annulus was filled with a cement/bentonite grout.

- The well was completed with a locking cap within a flush-mount, traffic-grade well vault. A 2-foot by 2-foot by 6-inch-thick (minimum), high early strength concrete pad (minimum three-day strength of 4,000 psi) was poured around the well vault to mitigate vehicular traffic and pedestrian disturbance.

Well Development and Sampling

The newly installed well was developed by Enviro-Drill after completion on March 7, 2014 and sampled by DBS&A, along with the other three existing site wells, on March 24, 2014. Well development was conducted pursuant to Section 1.5.1 of the Guidelines by purging the well until turbidity was reduced to the extent practicable.

Wells were gauged prior to purging and sampling using a decontaminated interface probe. The water level measurements were recorded in the field notebook. Following gauging, wells were purged and sampled for laboratory analysis. Wells were purged using disposable polyethylene hand bailers. A minimum of three casing volumes were bailed from each well.

During purging, groundwater field parameters including dissolved oxygen (DO), oxidation-reduction potential (ORP), electrical conductivity (EC), pH, and temperature were measured and recorded.

Once purged, the wells were sampled for laboratory analysis by using dedicated, disposable, polyethylene bottom emptying devices to transfer groundwater samples from the bailers into laboratory prepared 40-milliliter (mL) glass sample bottles containing mercuric chloride preservative. Groundwater samples were labeled and preserved on ice in an insulated cooler for delivery to HEAL in Albuquerque, New Mexico for analysis. Groundwater samples were analyzed for VOCs using EPA method 8260B (full list). Samples were accompanied by full chain-of-custody documentation at all times.

Groundwater Analytical Results

Groundwater samples were collected for laboratory analysis from the four Allsups 294 site monitor wells including: MW-9, MW-16, MWAL-1, and MWAL-2R. A summary of groundwater analytical organic chemistry data from this and previous monitoring events is included in Table 3. The following changes were noted since the last monitoring event conducted by DBS&A in July 2013:

- MW-9: Benzene (28 micrograms per liter [µg/L]) was present above the New Mexico Water Quality Control Commission (NMWQCC) standard, increasing from 21 µg/L during the last monitoring event. Ethylbenzene (38 µg/L), total xylenes (4.0 µg/L), and MTBE (3.0 µg/L) were also detected in the well, but at concentrations below their respective standards. Benzene is the only COC to exceed the NMWQCC standards in the well since October 2012.

- MW-16: No COCs were detected in the well at concentrations above the laboratory reporting limits, with the exception of MTBE (9.3 µg/L), which was detected at a concentration below the standard during this monitoring event. Since the well was first sampled in March 1996, no COCs have exceeded the NMWQCC standards.

- MWAL-1: No COCs were detected in the well at concentrations above the laboratory reporting limits during this monitoring event. Since the well was first sampled in March 1996, no COCs have exceeded the NMWQCC standards.

- MWAL-2R: Benzene (140 µg/L) was present above the New Mexico Water Quality Control Commission (NMWQCC) standard during this monitoring event. Toluene (4.7 µg/L), ethylbenzene (49 µg/L), total xylenes (56 µg/L), MTBE (56 µg/L), and total naphthalenes (16.6 µg/L) were also detected in the well, but at concentrations below their respective standards.

Laboratory analytical results for the groundwater samples are summarized in Table 3 and

shown on Figure 2. Complete laboratory analytical reports and chain-of-custody documentation are provided in Attachment 4.

Investigation Derived Waste

Management of investigation derived waste (IDW) was handled in accordance with the Guidelines. Soil cuttings generated during drilling and well development water were containerized in NMDOT-approved 55-gallon steel drums and staged on the vacant lot near Ross Texaco monitor well MW-13R. The drums were collected by Gandy Marley, Inc. on April 21, 2014 and transported to their licensed facility in Tatum, New Mexico for disposal.

Survey

Top of casing elevations for the newly installed and existing Allsups 294 monitor wells were surveyed in accordance with Section 2 of the Guidelines by Surveying Control, Inc., of Albuquerque, New Mexico on April 24, 2014. Survey results are presented in Attachment 5.

The survey elevations helped produce a potentiometric surface elevation map from the March 24, 2014 groundwater monitoring event, which is included in this report as Figure 3. A summary of historical fluid level measurements from this and previous monitoring events is provided in Table 4. Groundwater levels measured in all of the existing Allsups 294 site wells showed increases since the last monitoring event in July 2013. The direction of groundwater flow is to the southeast; the average hydraulic gradient decreased from 0.02 foot/foot (ft/ft) to 0.01 ft/ft since the last monitoring event in July 2013.

Conclusions and Recommendations

One new on-site groundwater monitor well was installed at the Allsups 294 site on March 6, 2014. Monitor well MWAL-2R was installed to replace monitor well MWAL-2 that was destroyed during removal of the Allsups 294 USTs in November 2012. Prior to being destroyed, MWAL-2 contained NAPL dating back to September 2005 at thicknesses ranging from 0.02 to 0.43 foot (Table 4). NAPL had historically been hand bailed from the well in conjunction with groundwater monitoring. A summary of historical NAPL recovery from MWAL-2 is provided in Table 2.

PID readings above 100 ppmv were encountered in the MWAL-2R borehole at the water table interface in the 15 to 20 ft bgs sample interval (1,439 ppmv). PID readings from field screening samples collected above the water table were all below 100 ppmv.

Soil analytical results showed benzene, MTBE, and total naphthalenes to be above the Tier 1 RBSLs in the sample collected from the water table interface. COCs in the sample collected from the bottom of the borehole were below laboratory reporting limits or Tier 1 RBSLs.
The groundwater sample collected from the newly installed well, MWAL-2R, showed only

benzene to be present above the NMWQCC standard at a concentration of 140 µg/L. Toluene, ethylbenzene, total xylenes, MTBE, and total naphthalenes were also detected in the well, but at concentrations below their respective standards. NAPL was present in monitor well MWAL-2 prior to being destroyed, but was not detected in the adjacent replacement well, MWAL-2R. This may be attributable to the increase in water levels beneath the site.

In existing site wells, the groundwater sample collected from monitor well MW-9 contained benzene above the NMWQCC standard. Ethylbenzene, total xylenes and MTBE were also detected in the well, but at concentrations below their respective standards. Groundwater samples collected from monitor wells MW-16 and MWAL-1 did not contain any COCs at concentrations above the laboratory reporting limits with the exception of MTBE in MW-16, which was detected below the standard.

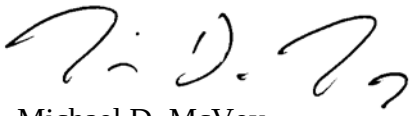
DBS&A recommends that groundwater monitoring continue at the Allsups 294 site to establish contaminant concentration trends in the newly installed well and to monitor trends in existing wells where COCs are present at concentrations above NMWQCC standards. In addition, DBS&A recommends that NAPL recovery via hand bailing from MWAL-2R be conducted in conjunction with groundwater monitoring if NAPL is detected in the well during future monitoring events.

This letter report constitutes the deliverable for deliverable ID No. 3721-1. DBS&A intends to invoice $14,913.13 (including NMGRT). This represents a reduction from the approved amount due to a reduction in soil laboratory analytical costs.

If you have any questions or require additional information, please contact me at (505) 822-9400.

Sincerely,

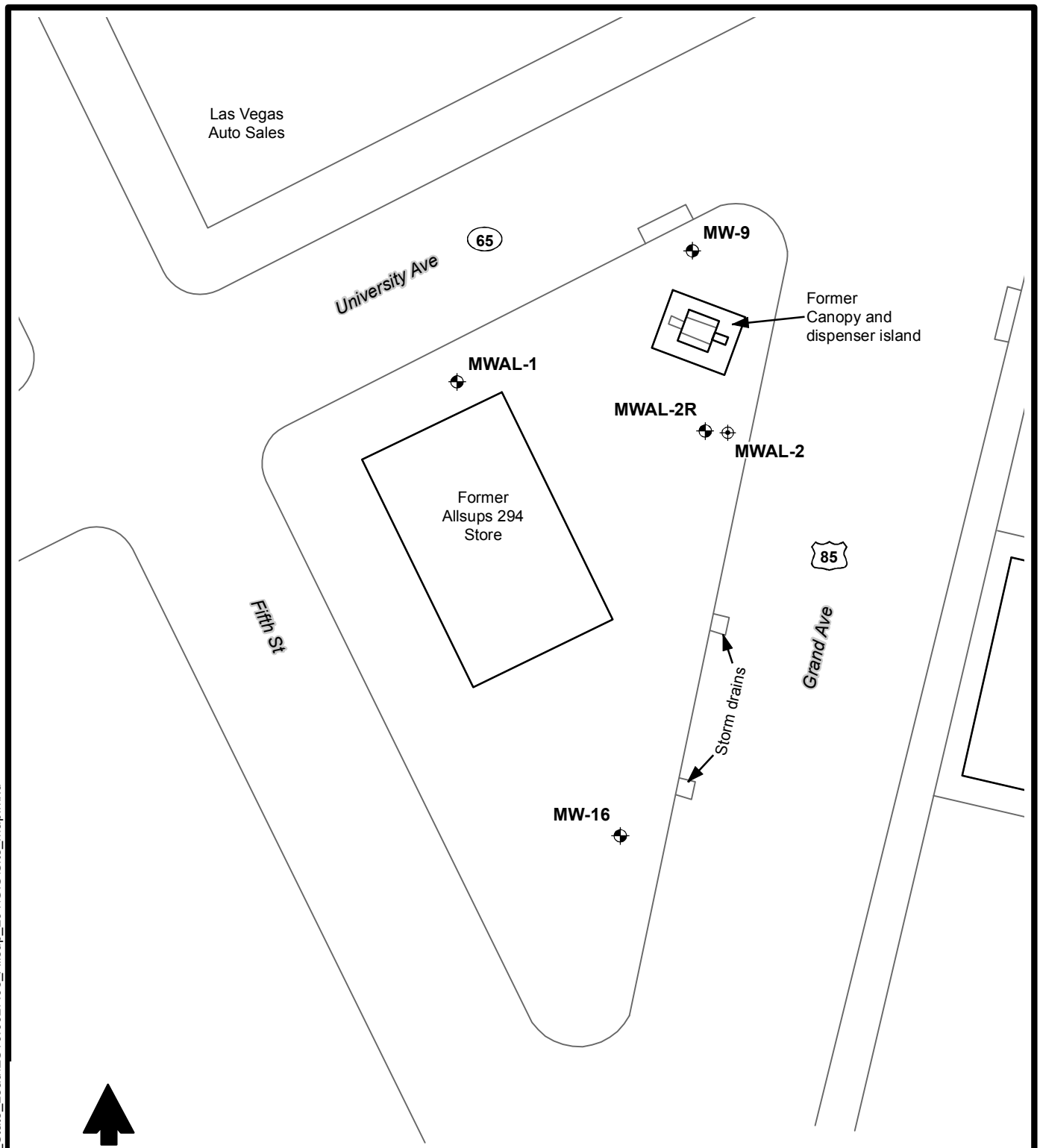
DANIEL B. STEPHENS & ASSOCIATES, INC.



Michael D. McVey
Senior Hydrogeologist

MDM/js
Attachments

Figures



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

Explanation

- Monitor well
- Monitor well - destroyed

Path: S:\Projects\ES10.0027_NMED_2010_State_Lead\ES10.0027.05_Allsup_294\GIS\Site_map.mxd

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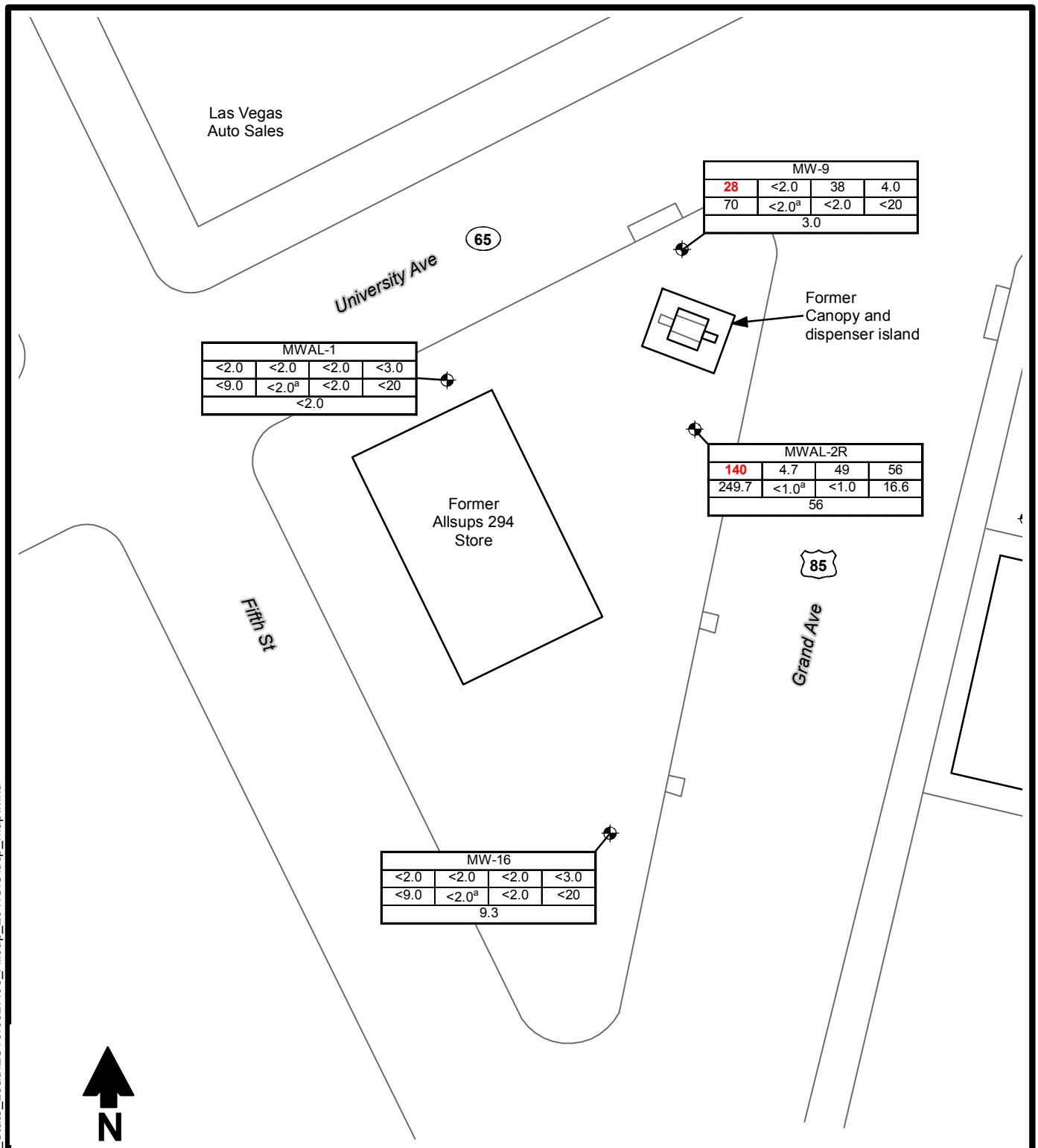
5/27/2014 JN ES10.0027.05

ALLSUPS 294
Site Map
Figure 1



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

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

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

Explanation

Monitor well

ALLSUPS 294

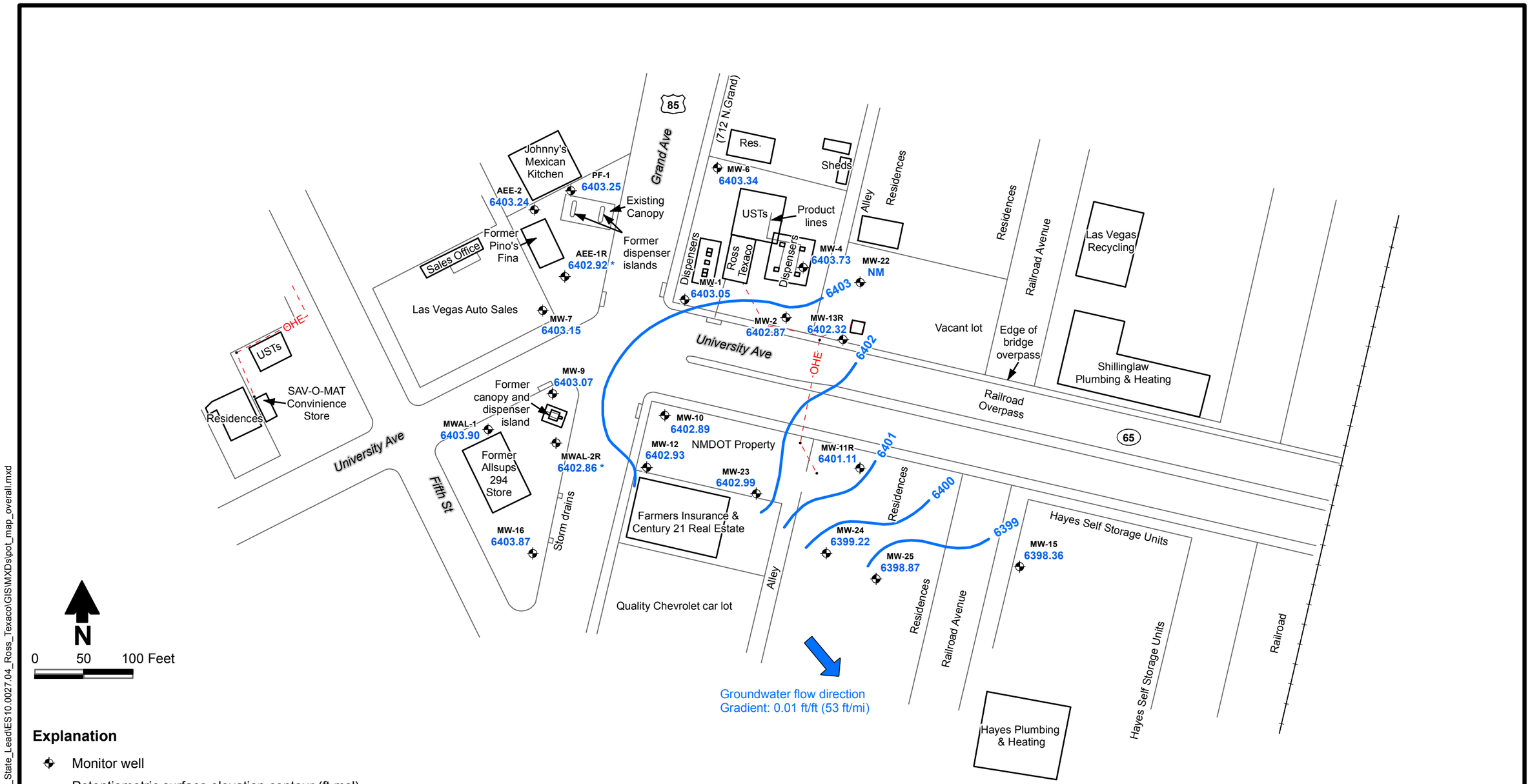
Distribution of Dissolved-Phase Contaminants
March 24, 2014

Daniel B. Stephens & Associates, Inc.

5/28/2014 JN ES10.0027.05

Figure 2

Path: S:\Projects\ES10.0027_NMED_2010_State_Lead\ES10.0027.05_Allsup_294\GIS\dqp_map.mxd



Explanation

- Monitor well
- Potentiometric surface elevation contour (ft msl)

MW-24 Monitor well designation
6399.22 Potentiometric surface elevation (ft msl)

Notes:
1. MW = Ross Texaco monitor well
2. MWAL = Allsup's monitor well
3. PF = Pino's Fina monitor well
4. AEE = Pino's Fina monitor well installed by AE&E
4. * Well not used for contouring

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

ROSS TEXACO, PINO'S FINA, AND ALLSUPS 294

Potentiometric Surface Elevations March 24, 25, and 26, 2014

Daniel B. Stephens & Associates, Inc.
5/29/2014 JN ES10.0027.04

Figure 3

Path: S:\Projects\ES10.0027_NMED_2010_State_Lead\ES10.0027.04_Ross_Texaco\GIS\MXDs\pot_map_overall.mxd

Tables

Table 1. Summary of Soil Analytical Organic Chemistry Data
Allsups 294, Las Vegas, New Mexico
Page 1 of 1

Sample ID	Date Sampled	Sample Depth (ft bgs)	Concentration [a] (mg/kg)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes
Tier 1 Soil Concentration [b]			*0.02*	*2.09*	*17.23*	*2.91*	*0.04*	*0.01*	*0.0001*	*0.68*
MWAL-2R	03/06/14	15-17	**0.67**	<0.14	0.96	1.5	**0.22**	<0.14 [c]	<0.14 [c]	**1.13**
	03/06/14	28-30	<0.033 [c]	<0.033	0.051	0.070	<0.033	<0.033 [c]	<0.033 [c]	<0.325

Bold values indicate concentrations at or above applicable Tier 1 risk-based screening levels**.**

[a] Analyzed in accordance with U.S. Environmental Protection Agency (EPA) method 8260B, unless otherwise noted.

[b] Tier 1 risk-based screening level protective of groundwater assuming no transport zone in the unsaturated zone (DAF_{unsat} = 1).

[c] Laboratory reporting limit is equal to or greater than applicable risk-based screening level.

ft bgs = Feet below ground surface
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
AEE = Pino's Fina monitor well
MW = Ross Texaco monitor well
MWAL = Allsups 294 monitor well

Table 2. Summary of NAPL Recovery
Ross Texaco, Allsups 294, and Pino's Fina, Las Vegas, New Mexico
Page 1 of 3

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

[a] Depth to water (DTW) before correction for NAPL thickness.
[b] DTW corrected for NAPL thickness using the following equation: DTW = DTW - (NAPL thickness x 0.75).
[c] From Table 4, PSH Removal Data (Haller, 2005)
[d] NAPL thickness confirmed with bailer
NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing
ND = Not detected with interface probe

Table 2. Summary of NAPL Recovery
Ross Texaco, Allsups 294, and Pino's Fina, Las Vegas, New Mexico
Page 2 of 3

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)
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
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
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

[a] Depth to water (DTW) before correction for NAPL thickness.
[b] DTW corrected for NAPL thickness using the following equation: DTW = DTW - (NAPL thickness x 0.75).
[c] From Table 4, PSH Removal Data (Haller, 2005)
[d] NAPL thickness confirmed with bailer
NAPL = Nonaqueous-phase liquid
ft btoc = Feet below top of casing
ND = Not detected with interface probe

Table 2. Summary of NAPL Recovery
Ross Texaco, Allsups 294, and Pino's Fina, Las Vegas, New Mexico
Page 3 of 3

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)
PF-1 (cont.)								
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] Table 4, PSH Removal Data (Haller, 2005)
[d] NAPL thickness confirmed with bailer
NAPL =Nonaqueous-phase liquid
ft btoc = Feet below top of casing
ND = Not detected with interface probe

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-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 ft NAPL								
	07/08/13	Not sampled - 0.03 ft NAPL								
	03/26/14	Not sampled - 0.01 ft NAPL								
MW-2	03/30/96	1.8	<0.5	<0.5	<0.5	1.8	91	<0.01	<0.2	---
	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	---	---	---

Bold indicates concentrations that exceed the applicable standard.
[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 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico
Page 2 of 24

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-2 (cont.)	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
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 ft 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 ft NAPL								
	08/15/11	Not sampled - 0.01 ft NAPL								

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-4 (cont.)	10/01/12	Not sampled - 0.02 ft NAPL								
	07/08/13	Not sampled - 0.03 ft NAPL								
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	---
	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

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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 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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.)	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
	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
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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[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 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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 ft NAPL								
	03/25/14	<1.0	<1.0	55	10	65	<1.0	<1.0 [d]	<1.0	26.1
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**	---	---	---
	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**	---	---	---

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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 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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-9 (cont.)	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
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 ft NAPL								
	03/26/14	**720**	26	**1,300**	**2,600**	4,646	**130**	<10 [d]	<10 [d]	**620**

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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
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Table 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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-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								
MW-11R	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	67	<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 ft NAPL								
	10/01/12	Not sampled - 0.19 ft NAPL								
	07/08/13	Not sampled - 0.33 ft NAPL								
	03/26/14	Not sampled - 0.04 ft NAPL								
MW-13	03/30/96	**18**	0.7	8.1	3.5	30.3	24	<0.01	<0.2	<10

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µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
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Table 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-13 (cont.)	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
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
	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**	---	---	---

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Table 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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.)	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
	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
MW-16	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	<2.5	<0.01	<0.2	---

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

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BTEX = Benzene + toluene +ethylbenzene + total xylenes
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EDC = 1,2-Dichloroethane
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Table 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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.)	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
	03/24/14	<2.0	<2.0	<2.0	<3.0	<9.0	9.3	<2.0 [d]	<2.0	<20
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	---	---	---

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-17 (cont.)	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	---
	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	---	---	---

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100 [c]*	*0.1*	*10*	*30*
MW-19 (cont.)	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	---
	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	---	---	---

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MW-21 (cont.)	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
	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 or destroyed								
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 ft NAPL								
	07/08/13	Not sampled - 0.20 ft NAPL								
	03/26/14	**11**	3.3	160	280	454.3	39	<1.0 [d]	<1.0	**115**

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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

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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-24	03/26/14	<1.0	<1.0	1.9	<1.5	1.9	51	<1.0 [d]	1.1	<10
MW-25	03/26/14	<1.0	<1.0	<1.0	<1.5	<4.5	36	<1.0 [d]	<1.0	<10
SMMW-1	03/29/96	**19,000**	46	**1,600**	180	20,826	**12,000**	<0.01	<8.0	---
	05/01/97	**3,700**	270	280	340	4,590	**1,200**	---	---	---
	08/29/97	**8,700**	25	560	48	9,333	**2,700**	---	---	---
	12/10/97	**17,000**	35	**1,000**	90	18,125	**6,000**	---	---	---
	07/13/99	**12,000**	<20	710	30	12,740	**2,200**	---	---	---
	10/07/99	**2,500**	<20	<20	49	2,549	**1,200**	---	---	---
	01/07/00	**6,400**	<20	94	51	6,545	**1,900**	---	---	---
	02/25/00	**7,500**	<20	290	72	7,862	**2,400**	---	---	---
	11/02/00	**8,800**	<50	**770**	58	9,628	**1,700**	---	---	---
	01/19/01	**6,100**	<50	510	70	6,680	**1,800**	---	---	---
	04/26/01	**2,100**	<50	<50	110	2,210	**600**	---	---	---
	07/26/01	**5,100**	<50	420	59	5,579	**1,600**	---	---	---
	06/27/02	**2,700**	<100	<100	<100	2,700	**690**	<100 [d]	<100 [d]	---
	08/28/02	**2,500**	<50	150	<50	2,650	**320**	<50 [d]	<50 [d]	---
	12/11/02	**780**	24	210	73	1,087	**500**	<20 [d]	<20 [d]	---
	07/17/03	**450**	<10	120	<10	570	70	<10 [d]	<10 [d]	---

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µg/L = Micrograms per liter
BTEX = Benzene + toluene +ethylbenzene + total xylenes
MTBE = Methyl tertiary-butyl ether
EDC = 1,2-Dichloroethane
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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*
SMMW-3	05/01/97	**2,000**	320	98	340	2,758	**440**	---	---	---
	08/29/97	**1,600**	180	230	190	2,200	**220**	---	---	---
SMMW-4	05/01/97	**16,000**	**2,000**	**1,300**	**1,200**	20,500	**5,700**	---	---	---
	08/29/97	**17,000**	**2,000**	**1,500**	**1,500**	22,000	**6,800**	---	---	---
	10/10/97	**16,000**	190	**820**	120	17,130	**6,400**	---	---	---
	07/13/99	**1,900**	180	310	160	2,550	**8,600**	---	---	---
	10/07/99	**5,300**	460	730	510	7,000	**11,000**	---	---	---
	01/07/00	**1,700**	580	400	390	3,070	**3,600**	---	---	---
	02/25/00	**1,700**	**2,000**	310	**880**	4,890	**7,700**	---	---	---
	11/02/00	**1,100**	**3,900**	**1,200**	**5,300**	11,500	**3,400**	---	---	---
	01/19/01	**2,300**	**5,100**	**1,100**	**5,000**	13,500	**2,700**	---	---	---
	04/26/01	**2,100**	**3,500**	**1,200**	**4,600**	11,400	**4,300**	---	---	---
	07/26/01	**3,800**	**6,800**	**1,500**	**6,600**	18,700	**6,100**	---	---	---
	06/27/02	**2,900**	**6,300**	**1,900**	**7,800**	18,900	**9,900**	<250 [d]	<250 [d]	---
	08/28/02	**2,100**	**3,800**	**870**	**3,100**	9,870	**6,900**	<250 [d]	<250 [d]	---
	12/11/02	**1,000**	**2,500**	720	**2,900**	7,120	**3,000**	<20 [d]	<20 [d]	---
	07/13/03	**970**	**2,000**	700	**2,700**	6,370	**2,000**	<50 [d]	<50 [d]	---
SMMW-5	03/28/96	**1,000**	2.2	11	<0.5	1,013.2	**400**	<0.01	<0.2	---

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BTEX = Benzene + toluene +ethylbenzene + total xylenes
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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*
SMMW-5 (cont.)	05/01/97	**34**	<0.5	<0.5	<0.5	34	**260**	---	---	---
	08/29/97	**25**	<0.5	1.5	<0.5	26.5	**250**	---	---	---
	12/10/97	**17**	<0.5	<0.5	<0.5	17	**170**	---	---	---
	07/14/99	<0.5	<0.5	<0.5	<0.5	<20	59	---	---	---
	10/07/99	<0.5	<0.5	<0.5	<0.5	<20	97	---	---	---
	01/06/00	<0.5	<0.5	<0.5	<0.5	<20	59	---	---	---
	02/25/00	<0.5	<0.5	<0.5	<0.5	<20	90	---	---	---
	11/02/00	<0.5	<0.5	<0.5	0.5	0.5	65	---	---	---
	01/19/01	<0.5	<0.5	<0.5	<0.5	<20	55	---	---	---
	04/26/01	<0.5	<0.5	<0.5	<0.5	<20	51	---	---	---
	07/26/01	<0.5	<0.5	<0.5	<0.5	<20	41	---	---	---
	06/27/02	<1.0	<1.0	<1.0	<1.0	<4.0	15	<1.0 [d]	<1.0	---
	08/28/02	<1.0	<1.0	<1.0	<1.0	<4.0	18	<1.0 [d]	<1.0	---
	12/11/02	<1.0	<1.0	<1.0	<1.0	<4.0	47	<1.0 [d]	<1.0	---
	07/17/03	<1.0	<1.0	<1.0	<1.0	<4.0	11	<1.0 [d]	<1.0	---
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]	---

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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
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EDC = 1,2-Dichloroethane
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--- = Not analyzed

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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.)	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**
	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 ft NAPL								
	10/01/12	Not sampled - 0.60 ft NAPL								
	07/08/13	Not sampled - 0.02 ft NAPL								
	03/25/14	**52**	46	**2,000**	**3,800**	5,898	<10	<10 [d]	<10 [d]	**980**
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**
	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

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
PF-3 (cont.)	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
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
	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
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**	---	---	---

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

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MWAL-2 (cont.)	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**	---	---	---
	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**

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
MWAL-2 (cont.)	09/14/05	Not sampled - 0.02 ft NAPL								
	08/15/11	Not sampled - 0.23 ft NAPL								
	10/01/12	Not sampled - 0.43 ft 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
SMOS-1	03/29/96	<0.5	<0.5	<0.5	<0.5	<20	160	<0.01	<0.2	---
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	110	---	---	---
SMOS-2	03/29/96	**4,600**	14	440	21	5,075	2,100	<0.01	0.6	---
	05/01/97	**4,100**	14	300	14	4,428	2,700	---	---	---
	08/29/97	**4,400**	13	300	13	4,726	2,400	---	---	---
	10/07/99	<0.5	<0.5	<0.5	<0.5	<20	110	---	---	
	01/07/00	<0.5	<0.5	<0.5	<0.5	<20	140	---	---	---
	02/24/00	<0.5	<0.5	<0.5	<0.5	<20	120	---	---	---
	11/02/00	<0.5	<0.5	<0.5	0.6	0.6	110	---	---	---
	01/20/01	<0.5	<0.5	<0.5	<0.5	<20	74	---	---	---
	04/26/01	<0.5	<0.5	<0.5	<0.5	<20	74	---	---	---
	07/26/01	<0.5	<0.5	<0.5	<0.5	<20	150	---	---	---
	12/11/02	7.7	18	5.4	22	53.1	29	<1.0 [d]	<1.0	---

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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 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST 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*
SMOS-2 (cont.)	07/17/03	<1.0	<1.0	<1.0	<1.0	<4.0	67	<1.0 [d]	<1.0	---
SMOS-3	03/29/96	<0.5	<0.5	<0.5	<0.5	<4.0	34	<0.01	<0.2	---
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	28	---	---	---
SMOS-4	03/29/96	1.4	<0.5	<0.5	<0.5	1.4	30	<0.01	0.5	---
	05/01/97	<0.5	<0.5	<0.5	<0.5	<20	39	---	---	---
	07/14/99	<0.5	<0.5	<0.5	<0.5	<20	14	---	---	---
	10/07/99	<0.5	<0.5	<0.5	<0.5	<20	24	---	---	---
	01/06/00	<0.5	<0.5	<0.5	<0.5	<20	9.2	---	---	---
	02/24/00	<0.5	<0.5	<0.5	<0.5	<20	21	---	---	---
	11/02/00	<0.5	<0.5	<0.5	0.8	0.8	13	---	---	---
	01/19/01	<0.5	<0.5	<0.5	<0.5	<20	16	---	---	---
	04/26/01	<0.5	<0.5	<0.5	0.56	0.56	16	---	---	---
	07/26/01	<0.5	<0.5	<0.5	<0.5	<20	10	---	---	---
	06/27/02	<1.0	<1.0	<1.0	<1.0	<4.0	12	<1.0 [d]	<1.0	---
	08/28/02	<1.0	<1.0	<1.0	<1.0	<4.0	10	<1.0 [d]	<1.0	---
	12/11/02	<1.0	<1.0	<1.0	<1.0	<4.0	11	<1.0 [d]	<1.0	---
SMOS-5	07/17/03	<1.0	<1.0	<1.0	<1.0	<4.0	11	<1.0 [d]	<1.0	---
	03/29/96	**71**	2.1	0.6	0.9	74.6	6	<1.0 [d]	<1.0	---

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
SMOS-5 (cont.)	05/01/97	**16**	<0.5	<0.5	<0.5	16	7.5	---	---	---
	08/29/02	<2.0	<2.0	<2.0	<2.0	<8.0	**240**	<2.0 [d]	<2.0	---
SMOS-6	03/29/96	**27**	<0.5	<0.5	<0.5	27	6.7	<0.01	<0.2	---
	05/01/97	3.6	<0.5	<0.5	<0.5	3.6	13	---	---	---
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								

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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
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EDC = 1,2-Dichloroethane
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Table 3. Summary of Groundwater Analytical Organic Chemistry Data
Ross Texaco, Pino's Fina, Allsups 294 UST Sites, Las Vegas, New Mexico

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
AEE-1R	03/25/14	1.2	<1.0	20	140	161.2	3.9	<1.0 [d]	<1.0	21.8
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
	09/15/05	**15**	<5.0	190	42	247	<5.0	<5.0 [d]	<5.0	**36**

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

Sample Designation	Date Sampled	Concentration (µg/L) [a]								
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	EDB	EDC	Total Naphthalenes
NMWQCC Standard [b]		*10*	*750*	*750*	*620*	*NA*	*100* [c]	*0.1*	*10*	*30*
AEE-2 (cont.)	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

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

All data prior to 08/15/11 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 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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 (cont.)	6408.15	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
MW-3	6409.73	03/27/96	16.07	0.00	6393.66
		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

All data prior to 08/15/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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

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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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-4 (cont.)	6423.11	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
		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
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

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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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-6 (cont.)	6425.11	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
		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
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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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 (cont.)	6411.62	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
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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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.)	6410.85	12/09/03	17.73	0.01	6393.12
		08/05/04	16.58	0.00	6394.27
	6424.93	01/10/05	16.18	0.00	6408.75
		03/23/05	15.52	0.00	6409.41
		06/07/05	15.23	0.00	6409.70
		09/14/05	16.02	0.00	6408.91
		08/15/11	17.17	0.00	6407.76
		10/01/12	18.00	0.00	6406.93
		07/08/13	18.50	0.00	6406.43
	6419.89 [d]	03/24/14	16.82	0.00	6403.07
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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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.)	6423.11	06/07/05	13.74	0.00	6409.37
		09/14/05	14.45	0.00	6408.66
		08/15/11	15.53	0.00	6407.58
		10/01/12	Not located		
		07/08/13	16.00	0.15	6407.22
	6418.05 [d]	03/26/14	15.16	Sheen	6402.89
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
MW-12	6409.21	03/27/96	15.14	0.00	6394.07

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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.)	6409.21	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
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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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-13 (cont.)	6420.13	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
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
		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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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.)	6401.41	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
	6410.53 [d]	03/26/14	12.17	0.00	6398.36
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

All data prior to 08/15/11 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
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NAPL = Non-aqueous phase liquid
NA = Not available

Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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.)	6409.86	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
	6423.96	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
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

All data prior to 08/15/11 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
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NAPL = Non-aqueous phase liquid
NA = Not available

Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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-17 (cont.)	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
		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
	6411.22	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
		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		
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

All data prior to 08/15/11 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
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NAPL = Non-aqueous phase liquid
NA = Not available

Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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	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
		04/25/01	10.67	0.00	6389.17
		07/25/01	11.05	0.00	6388.79
		06/26/02	Dry		
		08/28/02	Dry		
		12/10/02	NM	0.00	NM
		07/16/03	12.31	0.00	6387.53
		12/09/03	12.34	0.00	6387.50
		08/05/04	11.62	0.00	6388.22
	6413.99	01/10/05	10.82	0.00	6403.17
		03/23/05	9.96	0.00	6404.03
		06/07/05	9.71	0.00	6404.28
		09/14/05	10.83	0.00	6403.16
		08/15/11	Not gauged		
	--- [e]	03/26/14	Well not located		
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		
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

All data prior to 08/15/11 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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NA = Not available

Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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
MW-24	6415.39 [d]	03/26/14	16.17	0.00	6399.22
MW-25	6413.24 [d]	03/26/14	14.37	0.00	6398.87
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
	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
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

All data prior to 08/15/11 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:.
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[c] NAPL not detected by interface probe; thickness confirmed with bailer.

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

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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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	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
		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
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

All data prior to 08/15/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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

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

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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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	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
		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
	6427.00	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
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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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	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
		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
	6424.11	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
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

All data prior to 08/15/11 from Haller & Associates Quarterly Groundwater Monitoring Report, October 6, 2005.

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

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

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Table 4. Summary of Historical Fluid Level Measurements
Ross Texaco, Pino's Fina, Allsups 294, 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	07/16/03	18.00	0.00	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
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

All data prior to 08/15/11 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
ft btoc = Feet below top of casing
NAPL = Non-aqueous phase liquid
NA = Not available

Attachments

Attachment 1

Field Notes

3/6/14 MW Installation MW

1000 M. Nauck on site. Remove cut concrete

1015 EDI crew on site. Rep for drilling ~~ASE-1R~~ MWAL-2R

1050 Begin drilling

1115 Observed water @ 17'

1130 Collect sample ASE-1R 15-17'

1140 Collect sample ASE-1R 28-30'

1155 Begin constructing well

Materials

1 x 10' Sch 40 PVC 2" 0.010 slot screen

1 x 5' " " " "

2 x 5' Sch 40 PVC 2" blank

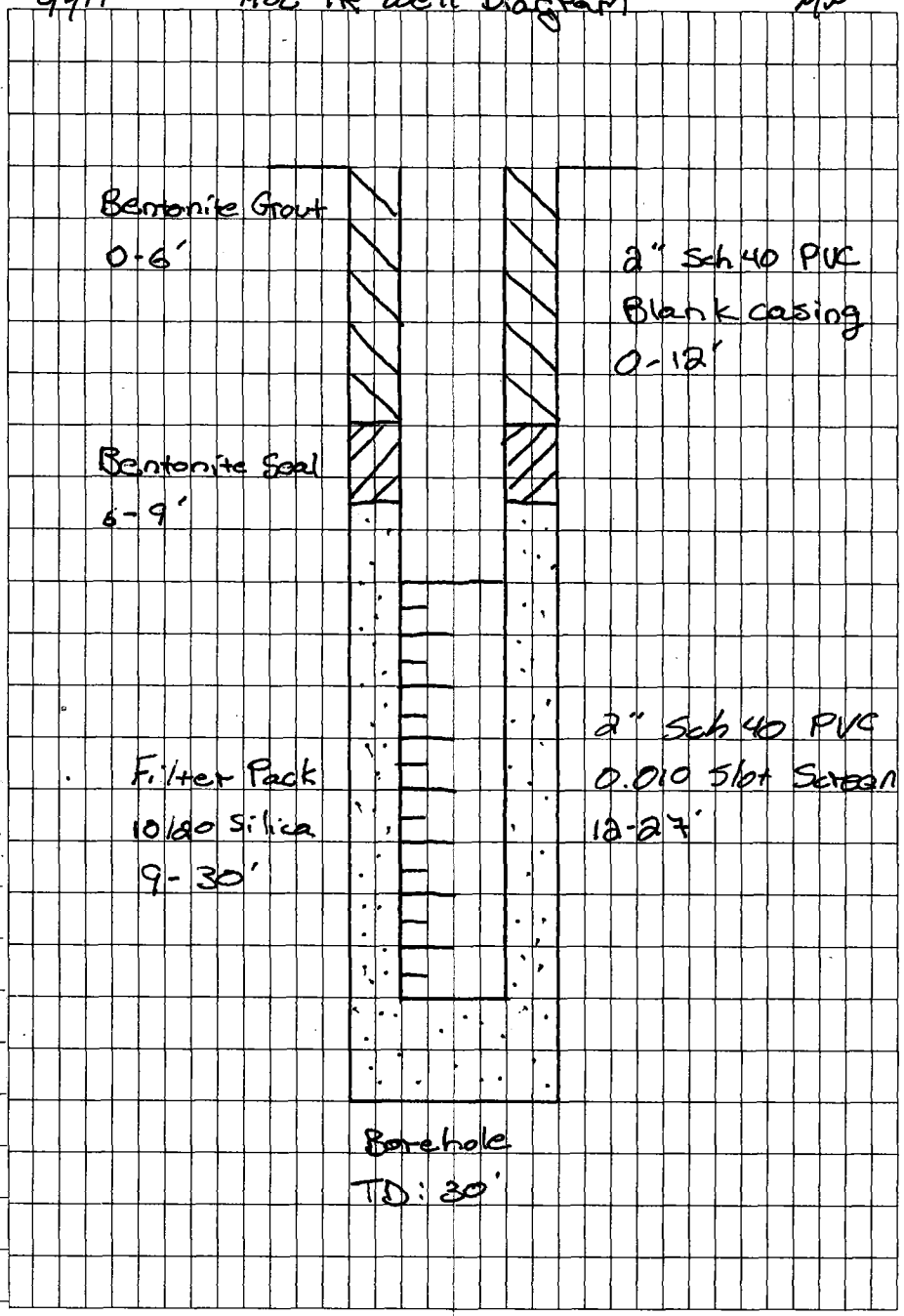
x bag 10/20 Silica sand

x bag 3/8" bentonite chip

x bag Quik-Gel

x bag Portland cement

3/6/14 MWAL-2R ~~ASE-1R~~ well Diagram MW 8



3/7/14 Well development MW

1045 Begin developing MWAC-2R

Vol gal	pH	T °C	Sp Cond	DO mg/L	ORP mv
Initial	6.86	17.14	2255	1.79	-73.9
10	6.78	16.49	2366	1.94	30.8
20	6.78	16.63	2401	2.27	40.7
30	6.71	16.80	2403	2.54	55.0
40	6.76	16.24	2375	2.36	51.3

1050 Stop development

MW 3/11/14

3/24/14 MW

1500 On site. Gauge wells

Well	NTP	DTW	TD
MWAC-1	—	18.05	21.10
MWAC-2R	—	16.50	27.57
MW-9	—	16.82	20.39
MW-16	—	15.02	22.35

1535 MWAC-2R 5.52 gal

Vol	pH	T	SpC	DO	ORP
Initial	5.97	16.47	2282	2.52	48.4
1200 gal	6.88	14.87	2250	1.91	16.8

1 Bailed extra volume for further development

1605 Collect sample MW

Vol	pH	T	SpC	DO	ORP
Initial	6.76	15.12	3015	1.08	-75.2
4.25	6.89	14.96	2657	1.11	-130.9

1705 Collect sample MW-9

1710 MWAC-1 1.53 gal 3cv

~~Vol~~	pH	T	SpC	DO	ORP
Initial	7.02	15.68	2583	6.53	-22.5
1.75 gal	6.89	15.64	2782	5.19	2.8

1730 Collect sample

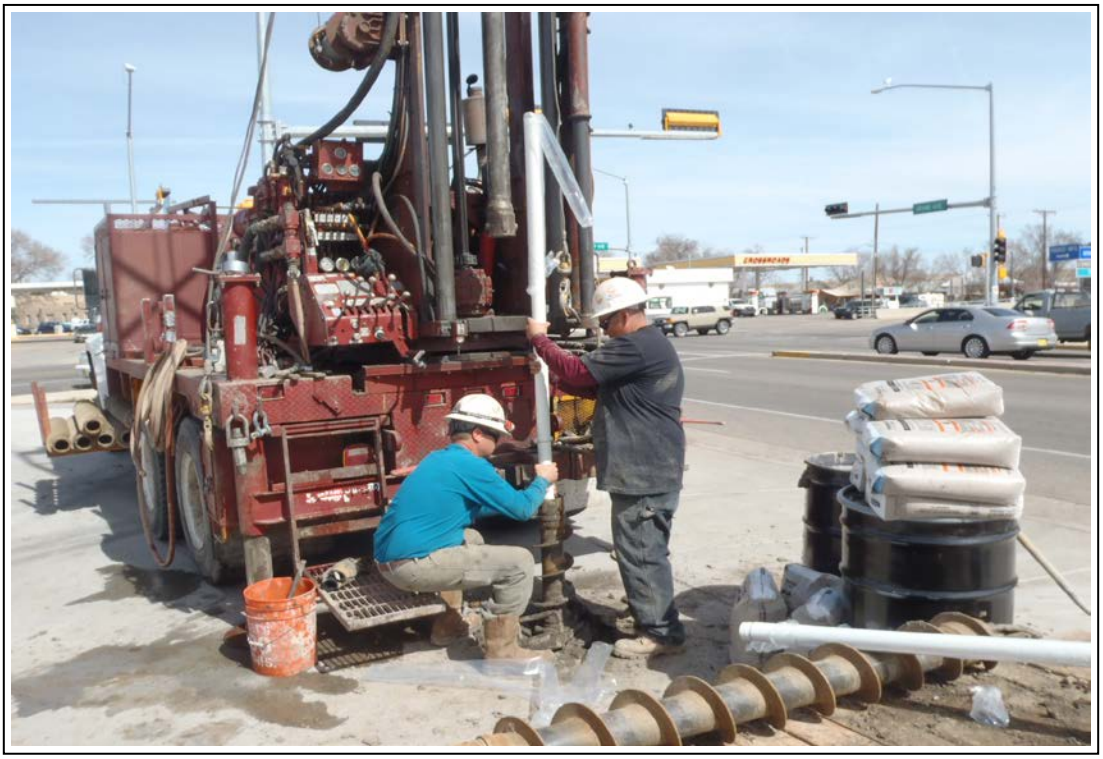
1740 MW-16 3.66 gal 3cv

Initial	6.91	15.94	3049	1.79	27.8
3.75	6.83	15.93	3105	2.52	33.4

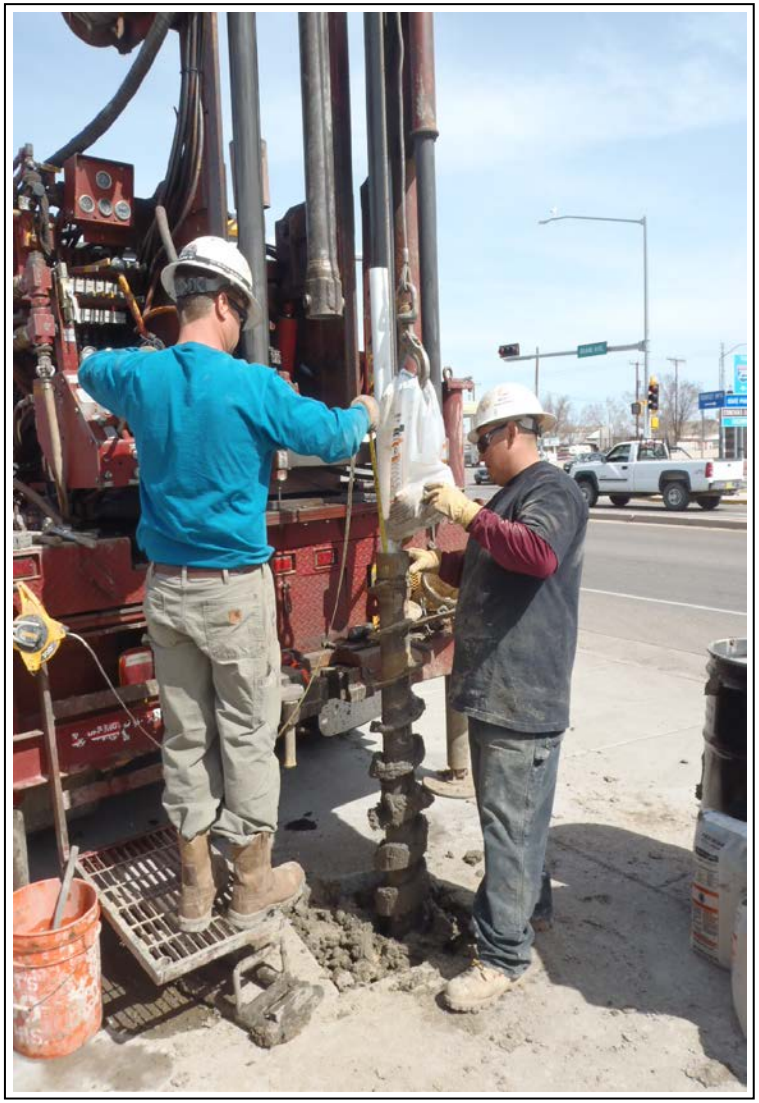
Attachment 2

Photographic Documentation

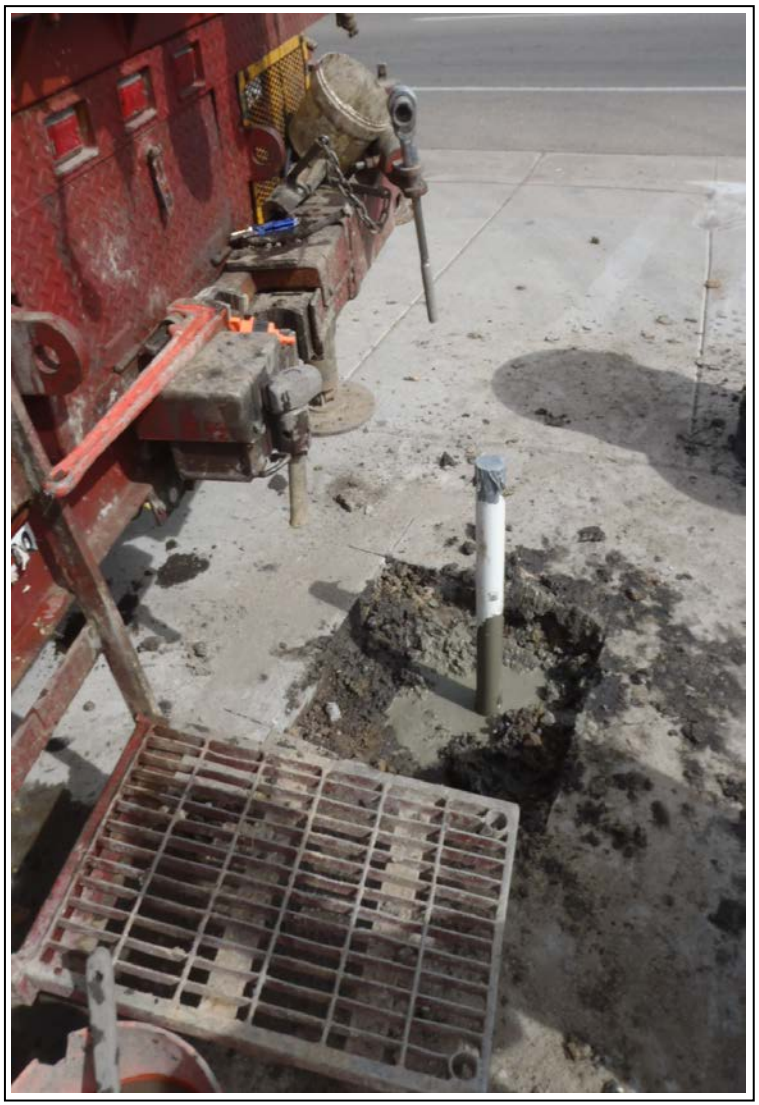
1. Drilling monitor well MWAL-2R (view to the east)



2. Installing monitor well MWAL-2R well casing (view to the northeast)



3. Installing filter pack during montior well MWAL-2R construction (view to the northeast)



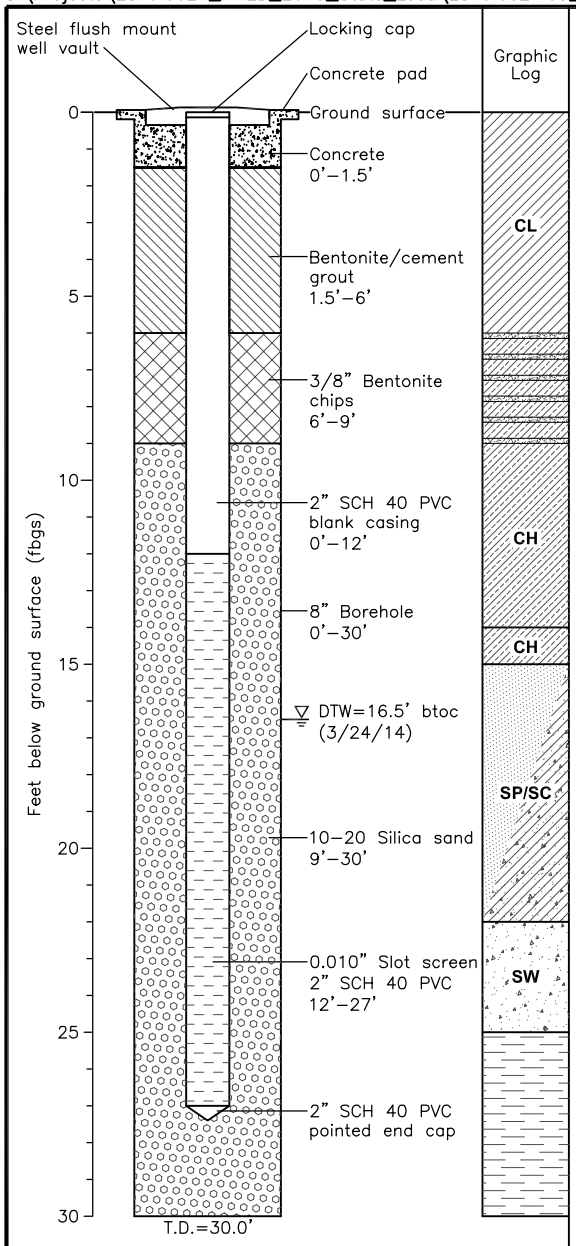
4. Cement/bentonite grout installed during monitor well MWAL-2R construction (view to the east)

5. Monitor well MWAL-2R well pad installed (view to the southeast)

Attachment 3

Well Completion Diagram and Geologic Log

S:\Projects\ES10.0027_NMED_2010_State_Lead\ES10.0027.05_Allsup_294\VR_Drawings\ES10_0027_05_03B_well_logs.dwg



PID/FID Readings	Sample Recovery (%)	Sample Interval (feet bgs)	Depth (feet bgs)	USCS Symbol or Rock Unit	Comments and Lithology
2.6	100	0–5			
0.0	100	5–10			
			0–14	CL	Lean clay, yellowish red (5YR 4/6), moderate to low plasticity, black staining from 1'–3', slightly moist, small sand lenses from 6'–9', fat clay starting at 6'.
65.1	100	10–15	14–15	CH	Fat clay with sand, grayish brown (10YR 4/2), coarse–grained sand, subangular, moderate plasticity, slightly moist, strong HC odor at 14'–15'. Less sand from 15'–17'. Water at 17'.
1,439	90	15–20	15–20	SP/SC	Sand with clay, yellowish brown (10YR 5/4), fine–grained, poorly graded, saturated.
NA	40	20–25	20–25	SP/SC	Sand with clay, yellowish brown (10YR 5/4), fine–grained, poorly graded; grading into well graded sand at 22'–25', saturated.
NA	60	25–30	25–30		Shale, black (7.5YR 2.5/1), dry.

Geologist: M. Nauck
Driller: EDI
Date completed: 3–6–14

Drilling method: Hollow stem auger
Diameter: 8"
Sampling device: Continuous core (0'–25'); split spoon (25'–30')
NA = Not screened.

NM State Plane East, NAD 83
Northing: 1673545.56
Easting: 279508.57
Elevation: 6419.36' top of casing
DTW = depth to water
btoc = feet below top of casing
bgs = below ground surface

ALLSUP'S 294
LAS VEGAS, NEW MEXICO
Well: MWAL-2R

Daniel B. Stephens & Associates, Inc.
5/22/2014
JN ES10.0027.05

Attachment 4

Laboratory Reports

Soil

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 17, 2014

Mike McVey

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

RE: Allsups 294 OrderNo.: 1403295

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/7/2014 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-2R 15-17'
Project: Allsups 294 **Collection Date:** 3/6/2014 11:30:00 AM
Lab ID: 1403295-001 **Matrix:** MEOH (SOIL) **Received Date:** 3/7/2014 1:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	0.67	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Toluene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Ethylbenzene	0.96	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Methyl tert-butyl ether (MTBE)	0.22	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2,4-Trimethylbenzene	2.3	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,3,5-Trimethylbenzene	0.60	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2-Dichloroethane (EDC)	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2-Dibromoethane (EDB)	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Naphthalene	0.50	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1-Methylnaphthalene	ND	0.58		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
2-Methylnaphthalene	0.63	0.58		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Acetone	ND	2.2		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Bromobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Bromodichloromethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Bromoform	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Bromomethane	ND	0.43		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
2-Butanone	ND	1.4		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Carbon disulfide	ND	1.4		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Carbon tetrachloride	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Chlorobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Chloroethane	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Chloroform	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Chloromethane	ND	0.43		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
2-Chlorotoluene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
4-Chlorotoluene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
cis-1,2-DCE	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
cis-1,3-Dichloropropene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2-Dibromo-3-chloropropane	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Dibromochloromethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Dibromomethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2-Dichlorobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,3-Dichlorobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,4-Dichlorobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Dichlorodifluoromethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1-Dichloroethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1-Dichloroethene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2-Dichloropropane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,3-Dichloropropane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
2,2-Dichloropropane	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-2R 15-17'
Project: Allsups 294 **Collection Date:** 3/6/2014 11:30:00 AM
Lab ID: 1403295-001 **Matrix:** MEOH (SOIL) **Received Date:** 3/7/2014 1:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Hexachlorobutadiene	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
2-Hexanone	ND	1.4		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Isopropylbenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
4-Isopropyltoluene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
4-Methyl-2-pentanone	ND	1.4		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Methylene chloride	ND	0.43		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
n-Butylbenzene	ND	0.43		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
n-Propylbenzene	0.30	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
sec-Butylbenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Styrene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
tert-Butylbenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1,1,2-Tetrachloroethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1,2,2-Tetrachloroethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Tetrachloroethene (PCE)	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
trans-1,2-DCE	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
trans-1,3-Dichloropropene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2,3-Trichlorobenzene	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2,4-Trichlorobenzene	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1,1-Trichloroethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,1,2-Trichloroethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Trichloroethene (TCE)	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Trichlorofluoromethane	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
1,2,3-Trichloropropane	ND	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Vinyl chloride	ND	0.14		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Xylenes, Total	1.5	0.29		mg/Kg	5	3/11/2014 2:04:50 PM	R17236
Surr: Dibromofluoromethane	104	70-130		%REC	5	3/11/2014 2:04:50 PM	R17236
Surr: 1,2-Dichloroethane-d4	106	70-130		%REC	5	3/11/2014 2:04:50 PM	R17236
Surr: Toluene-d8	101	70-130		%REC	5	3/11/2014 2:04:50 PM	R17236
Surr: 4-Bromofluorobenzene	83.6	70-130		%REC	5	3/11/2014 2:04:50 PM	R17236

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-2R 28-30'
Project: Allsups 294 **Collection Date:** 3/6/2014 11:40:00 AM
Lab ID: 1403295-002 **Matrix:** MEOH (SOIL) **Received Date:** 3/7/2014 1:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Toluene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Ethylbenzene	0.051	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Methyl tert-butyl ether (MTBE)	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2,4-Trimethylbenzene	0.11	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,3,5-Trimethylbenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2-Dichloroethane (EDC)	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2-Dibromoethane (EDB)	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Naphthalene	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1-Methylnaphthalene	ND	0.13		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
2-Methylnaphthalene	ND	0.13		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Acetone	ND	0.49		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Bromobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Bromodichloromethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Bromoform	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Bromomethane	ND	0.098		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
2-Butanone	ND	0.33		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Carbon disulfide	ND	0.33		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Carbon tetrachloride	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Chlorobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Chloroethane	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Chloroform	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Chloromethane	ND	0.098		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
2-Chlorotoluene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
4-Chlorotoluene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
cis-1,2-DCE	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
cis-1,3-Dichloropropene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2-Dibromo-3-chloropropane	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Dibromochloromethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Dibromomethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2-Dichlorobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,3-Dichlorobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,4-Dichlorobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Dichlorodifluoromethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1-Dichloroethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1-Dichloroethene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2-Dichloropropane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,3-Dichloropropane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
2,2-Dichloropropane	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-2R 28-30'
Project: Allsups 294 **Collection Date:** 3/6/2014 11:40:00 AM
Lab ID: 1403295-002 **Matrix:** MEOH (SOIL) **Received Date:** 3/7/2014 1:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,1-Dichloropropene	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Hexachlorobutadiene	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
2-Hexanone	ND	0.33		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Isopropylbenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
4-Isopropyltoluene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
4-Methyl-2-pentanone	ND	0.33		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Methylene chloride	ND	0.098		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
n-Butylbenzene	ND	0.098		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
n-Propylbenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
sec-Butylbenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Styrene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
tert-Butylbenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1,1,2-Tetrachloroethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1,2,2-Tetrachloroethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Tetrachloroethene (PCE)	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
trans-1,2-DCE	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
trans-1,3-Dichloropropene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2,3-Trichlorobenzene	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2,4-Trichlorobenzene	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1,1-Trichloroethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,1,2-Trichloroethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Trichloroethene (TCE)	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Trichlorofluoromethane	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
1,2,3-Trichloropropane	ND	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Vinyl chloride	ND	0.033		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Xylenes, Total	0.070	0.065		mg/Kg	1	3/10/2014 8:37:24 PM	R17213
Surr: Dibromofluoromethane	105	70-130		%REC	1	3/10/2014 8:37:24 PM	R17213
Surr: 1,2-Dichloroethane-d4	106	70-130		%REC	1	3/10/2014 8:37:24 PM	R17213
Surr: Toluene-d8	89.1	70-130		%REC	1	3/10/2014 8:37:24 PM	R17213
Surr: 4-Bromofluorobenzene	91.5	70-130		%REC	1	3/10/2014 8:37:24 PM	R17213

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403295**

17-Mar-14

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **b5**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **PBS**	Batch ID: **R17213**	RunNo: **17213**
Prep Date:	Analysis Date: **3/10/2014**	SeqNo: **495319** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.15								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.050								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.050								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.050								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403295**

17-Mar-14

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **b5**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **PBS**	Batch ID: **R17213**	RunNo: **17213**
Prep Date:	Analysis Date: **3/10/2014**	SeqNo: **495319** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								
2-Hexanone	ND	0.50								
Isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.15								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
Vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: Dibromofluoromethane	0.53		0.5000		105	70	130			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		103	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **LCSS**	Batch ID: **R17213**	RunNo: **17213**
Prep Date:	Analysis Date: **3/10/2014**	SeqNo: **495320** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	123	70	130			
Toluene	1.0	0.050	1.000	0	103	60.1	120			
Chlorobenzene	1.0	0.050	1.000	0	103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403295**

17-Mar-14

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **LCSS**	Batch ID: **R17213**	RunNo: **17213**
Prep Date:	Analysis Date: **3/10/2014**	SeqNo: **495320** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.2	0.050	1.000	0	116	78.2	162			
Trichloroethene (TCE)	1.0	0.050	1.000	0	105	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.48		0.5000		95.7	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			

Sample ID **mb-12101**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **PBS**	Batch ID: **R17236**	RunNo: **17236**
Prep Date: **3/10/2014**	Analysis Date: **3/11/2014**	SeqNo: **496246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.15								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.050								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403295**

17-Mar-14

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **mb-12101**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **PBS**	Batch ID: **R17236**	RunNo: **17236**
Prep Date: **3/10/2014**	Analysis Date: **3/11/2014**	SeqNo: **496246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.050								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.050								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								
2-Hexanone	ND	0.50								
Isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.15								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
Vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: Dibromofluoromethane	0.55		0.5000		111	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403295**

17-Mar-14

Client: Daniel B. Stephens & Assoc.

Project: Allsups 294

Sample ID **mb-12101**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **PBS**	Batch ID: **R17236**	RunNo: **17236**
Prep Date: **3/10/2014**	Analysis Date: **3/11/2014**	SeqNo: **496246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.49		0.5000		97.8	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.3	70	130			

Sample ID **lcs-12101**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **LCSS**	Batch ID: **R17236**	RunNo: **17236**
Prep Date: **3/10/2014**	Analysis Date: **3/11/2014**	SeqNo: **496247** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	109	70	130			
Toluene	0.99	0.050	1.000	0	98.7	60.1	120			
Chlorobenzene	1.1	0.050	1.000	0	106	70	130			
1,1-Dichloroethene	1.2	0.050	1.000	0	116	78.2	162			
Trichloroethene (TCE)	1.0	0.050	1.000	0	101	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.46		0.5000		91.4	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.5000		83.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: DBS | Work Order Number: 1403295 | RcptNo: 1

Received by/date: [illegible] 03/07/14

Logged By: Ashley Gallegos 3/7/2014 1:30:00 PM

Completed By: Ashley Gallegos 3/7/2014 1:49:33 PM

Reviewed By: 03/07/14

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. 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)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: DBSP

Mailing Address:

Phone #: 822-9400

email or Fax#: MMcvey@DBStephens.com

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Allsup's 294

Project #: ES10.0027.05

Project Manager: Mike McVey

Sampler: M. Vance

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1403295
3/6/14	1130	soil	~~AES-1R~~ MW-2R 15-17'	2x vial 1x 4oz	MeOH None	-001
"	1140	"	~~AES-1R~~ MW-2R 28-30	"	"	-002

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
									✓						
									✓						

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/7/14	1330				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				03/07/14	1330

Remarks:

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

Groundwater

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 08, 2014

Mike McVey

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

RE: Allsup's 294 OrderNo.: 1403B99

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/28/2014 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-2R
Project: Allsup's 294
Collection Date: 3/24/2014 4:15:00 PM
Lab ID: 1403B99-001
Matrix: AQUEOUS
Received Date: 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	140	10		µg/L	10	4/3/2014 1:58:55 PM	R17789
Toluene	4.7	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Ethylbenzene	49	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Methyl tert-butyl ether (MTBE)	56	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2,4-Trimethylbenzene	46	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,3,5-Trimethylbenzene	9.3	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Naphthalene	11	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1-Methylnaphthalene	ND	4.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
2-Methylnaphthalene	5.6	4.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Acetone	ND	10		µg/L	1	3/31/2014 3:40:28 PM	R17689
Bromobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Bromodichloromethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Bromoform	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Bromomethane	ND	3.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
2-Butanone	ND	10		µg/L	1	3/31/2014 3:40:28 PM	R17689
Carbon disulfide	ND	10		µg/L	1	3/31/2014 3:40:28 PM	R17689
Carbon Tetrachloride	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Chlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Chloroethane	ND	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Chloroform	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Chloromethane	ND	3.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
2-Chlorotoluene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
4-Chlorotoluene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
cis-1,2-DCE	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Dibromochloromethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Dibromomethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1-Dichloroethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1-Dichloroethene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2-Dichloropropane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,3-Dichloropropane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
2,2-Dichloropropane	ND	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc.
Client Sample ID: MWAL-2R
Project: Allsup's 294
Collection Date: 3/24/2014 4:15:00 PM
Lab ID: 1403B99-001
Matrix: AQUEOUS
Received Date: 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Hexachlorobutadiene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
2-Hexanone	ND	10		µg/L	1	3/31/2014 3:40:28 PM	R17689
Isopropylbenzene	2.6	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
4-Isopropyltoluene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
4-Methyl-2-pentanone	ND	10		µg/L	1	3/31/2014 3:40:28 PM	R17689
Methylene Chloride	ND	3.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
n-Butylbenzene	ND	3.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
n-Propylbenzene	7.9	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
sec-Butylbenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Styrene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
tert-Butylbenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
trans-1,2-DCE	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Trichlorofluoromethane	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Vinyl chloride	ND	1.0		µg/L	1	3/31/2014 3:40:28 PM	R17689
Xylenes, Total	56	1.5		µg/L	1	3/31/2014 3:40:28 PM	R17689
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	1	3/31/2014 3:40:28 PM	R17689
Surr: 4-Bromofluorobenzene	108	70-130		%REC	1	3/31/2014 3:40:28 PM	R17689
Surr: Dibromofluoromethane	123	70-130		%REC	1	3/31/2014 3:40:28 PM	R17689
Surr: Toluene-d8	91.2	70-130		%REC	1	3/31/2014 3:40:28 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-9
Project: Allsup's 294 **Collection Date:** 3/24/2014 5:05:00 PM
Lab ID: 1403B99-002 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	28	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Toluene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Ethylbenzene	38	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Methyl tert-butyl ether (MTBE)	3.0	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2,4-Trimethylbenzene	16	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Naphthalene	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
2-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Acetone	ND	20		µg/L	2	3/31/2014 5:43:48 PM	R17689
Bromobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Bromodichloromethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Bromoform	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Bromomethane	ND	6.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
2-Butanone	ND	20		µg/L	2	3/31/2014 5:43:48 PM	R17689
Carbon disulfide	ND	20		µg/L	2	3/31/2014 5:43:48 PM	R17689
Carbon Tetrachloride	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Chlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Chloroethane	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Chloroform	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Chloromethane	ND	6.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
2-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
4-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
cis-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Dibromochloromethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Dibromomethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1-Dichloroethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1-Dichloroethene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,3-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
2,2-Dichloropropane	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-9
Project: Allsup's 294 **Collection Date:** 3/24/2014 5:05:00 PM
Lab ID: 1403B99-002 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Hexachlorobutadiene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
2-Hexanone	ND	20		µg/L	2	3/31/2014 5:43:48 PM	R17689
Isopropylbenzene	3.2	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
4-Isopropyltoluene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
4-Methyl-2-pentanone	ND	20		µg/L	2	3/31/2014 5:43:48 PM	R17689
Methylene Chloride	ND	6.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
n-Butylbenzene	ND	6.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
n-Propylbenzene	6.5	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
sec-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Styrene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
tert-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
trans-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Trichlorofluoromethane	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Vinyl chloride	ND	2.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Xylenes, Total	4.0	3.0		µg/L	2	3/31/2014 5:43:48 PM	R17689
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	2	3/31/2014 5:43:48 PM	R17689
Surr: 4-Bromofluorobenzene	104	70-130		%REC	2	3/31/2014 5:43:48 PM	R17689
Surr: Dibromofluoromethane	121	70-130		%REC	2	3/31/2014 5:43:48 PM	R17689
Surr: Toluene-d8	92.4	70-130		%REC	2	3/31/2014 5:43:48 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-1
Project: Allsup's 294 **Collection Date:** 3/24/2014 5:30:00 PM
Lab ID: 1403B99-003 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Toluene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Ethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Naphthalene	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
2-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Acetone	ND	20		µg/L	2	3/31/2014 6:14:33 PM	R17689
Bromobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Bromodichloromethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Bromoform	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Bromomethane	ND	6.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
2-Butanone	ND	20		µg/L	2	3/31/2014 6:14:33 PM	R17689
Carbon disulfide	ND	20		µg/L	2	3/31/2014 6:14:33 PM	R17689
Carbon Tetrachloride	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Chlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Chloroethane	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Chloroform	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Chloromethane	ND	6.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
2-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
4-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
cis-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Dibromochloromethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Dibromomethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1-Dichloroethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1-Dichloroethene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,3-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
2,2-Dichloropropane	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MWAL-1
Project: Allsup's 294 **Collection Date:** 3/24/2014 5:30:00 PM
Lab ID: 1403B99-003 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Hexachlorobutadiene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
2-Hexanone	ND	20		µg/L	2	3/31/2014 6:14:33 PM	R17689
Isopropylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
4-Isopropyltoluene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
4-Methyl-2-pentanone	ND	20		µg/L	2	3/31/2014 6:14:33 PM	R17689
Methylene Chloride	ND	6.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
n-Butylbenzene	ND	6.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
n-Propylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
sec-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Styrene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
tert-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
trans-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Trichlorofluoromethane	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Vinyl chloride	ND	2.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Xylenes, Total	ND	3.0		µg/L	2	3/31/2014 6:14:33 PM	R17689
Surr: 1,2-Dichloroethane-d4	81.5	70-130		%REC	2	3/31/2014 6:14:33 PM	R17689
Surr: 4-Bromofluorobenzene	104	70-130		%REC	2	3/31/2014 6:14:33 PM	R17689
Surr: Dibromofluoromethane	117	70-130		%REC	2	3/31/2014 6:14:33 PM	R17689
Surr: Toluene-d8	91.8	70-130		%REC	2	3/31/2014 6:14:33 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-16
Project: Allsup's 294 **Collection Date:** 3/24/2014 6:20:00 PM
Lab ID: 1403B99-004 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Toluene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Ethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Methyl tert-butyl ether (MTBE)	9.3	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Naphthalene	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
2-Methylnaphthalene	ND	8.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Acetone	ND	20		µg/L	2	3/31/2014 6:45:21 PM	R17689
Bromobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Bromodichloromethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Bromoform	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Bromomethane	ND	6.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
2-Butanone	ND	20		µg/L	2	3/31/2014 6:45:21 PM	R17689
Carbon disulfide	ND	20		µg/L	2	3/31/2014 6:45:21 PM	R17689
Carbon Tetrachloride	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Chlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Chloroethane	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Chloroform	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Chloromethane	ND	6.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
2-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
4-Chlorotoluene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
cis-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Dibromochloromethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Dibromomethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,3-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,4-Dichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Dichlorodifluoromethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1-Dichloroethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1-Dichloroethene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,3-Dichloropropane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
2,2-Dichloropropane	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689

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Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** MW-16
Project: Allsup's 294 **Collection Date:** 3/24/2014 6:20:00 PM
Lab ID: 1403B99-004 **Matrix:** AQUEOUS **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Hexachlorobutadiene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
2-Hexanone	ND	20		µg/L	2	3/31/2014 6:45:21 PM	R17689
Isopropylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
4-Isopropyltoluene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
4-Methyl-2-pentanone	ND	20		µg/L	2	3/31/2014 6:45:21 PM	R17689
Methylene Chloride	ND	6.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
n-Butylbenzene	ND	6.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
n-Propylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
sec-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Styrene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
tert-Butylbenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
trans-1,2-DCE	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1,1-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,1,2-Trichloroethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Trichloroethene (TCE)	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Trichlorofluoromethane	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
1,2,3-Trichloropropane	ND	4.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Vinyl chloride	ND	2.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Xylenes, Total	ND	3.0		µg/L	2	3/31/2014 6:45:21 PM	R17689
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	2	3/31/2014 6:45:21 PM	R17689
Surr: 4-Bromofluorobenzene	108	70-130		%REC	2	3/31/2014 6:45:21 PM	R17689
Surr: Dibromofluoromethane	118	70-130		%REC	2	3/31/2014 6:45:21 PM	R17689
Surr: Toluene-d8	91.4	70-130		%REC	2	3/31/2014 6:45:21 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Allsup's 294 **Collection Date:**
Lab ID: 1403B99-005 **Matrix:** TRIP BLANK **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Toluene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Ethylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Naphthalene	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1-Methylnaphthalene	ND	4.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
2-Methylnaphthalene	ND	4.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Acetone	ND	10		µg/L	1	3/31/2014 7:46:51 PM	R17689
Bromobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Bromodichloromethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Bromoform	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Bromomethane	ND	3.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
2-Butanone	ND	10		µg/L	1	3/31/2014 7:46:51 PM	R17689
Carbon disulfide	ND	10		µg/L	1	3/31/2014 7:46:51 PM	R17689
Carbon Tetrachloride	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Chlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Chloroethane	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Chloroform	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Chloromethane	ND	3.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
2-Chlorotoluene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
4-Chlorotoluene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
cis-1,2-DCE	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Dibromochloromethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Dibromomethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1-Dichloroethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1-Dichloroethene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2-Dichloropropane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,3-Dichloropropane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
2,2-Dichloropropane	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Daniel B. Stephens & Assoc. **Client Sample ID:** Trip Blank
Project: Allsup's 294 **Collection Date:**
Lab ID: 1403B99-005 **Matrix:** TRIP BLANK **Received Date:** 3/28/2014 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,1-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Hexachlorobutadiene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
2-Hexanone	ND	10		µg/L	1	3/31/2014 7:46:51 PM	R17689
Isopropylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
4-Isopropyltoluene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
4-Methyl-2-pentanone	ND	10		µg/L	1	3/31/2014 7:46:51 PM	R17689
Methylene Chloride	ND	3.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
n-Butylbenzene	ND	3.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
n-Propylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
sec-Butylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Styrene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
tert-Butylbenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
trans-1,2-DCE	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Trichlorofluoromethane	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Vinyl chloride	ND	1.0		µg/L	1	3/31/2014 7:46:51 PM	R17689
Xylenes, Total	ND	1.5		µg/L	1	3/31/2014 7:46:51 PM	R17689
Surr: 1,2-Dichloroethane-d4	71.7	70-130		%REC	1	3/31/2014 7:46:51 PM	R17689
Surr: 4-Bromofluorobenzene	106	70-130		%REC	1	3/31/2014 7:46:51 PM	R17689
Surr: Dibromofluoromethane	111	70-130		%REC	1	3/31/2014 7:46:51 PM	R17689
Surr: Toluene-d8	93.4	70-130		%REC	1	3/31/2014 7:46:51 PM	R17689

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Qualifiers:

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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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403B99**

08-Apr-14

Client: Daniel B. Stephens & Assoc.

Project: Allsup's 294

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509334** 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								
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								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403B99**

08-Apr-14

Client: Daniel B. Stephens & Assoc.

Project: Allsup's 294

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509334** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130			
Surr: Dibromofluoromethane	12		10.00		115	70	130			
Surr: Toluene-d8	9.1		10.00		90.6	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509336** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	115	70	130			
Toluene	17	1.0	20.00	0	87.4	80	120			
Chlorobenzene	17	1.0	20.00	0	84.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403B99**

08-Apr-14

Client: Daniel B. Stephens & Assoc.

Project: Allsup's 294

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509336** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	25	1.0	20.00	0	126	90	143			
Trichloroethene (TCE)	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	9.2		10.00		91.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.5	70	130			
Surr: Toluene-d8	9.4		10.00		93.8	70	130			

Sample ID **1403b99-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MWAL-2R**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509688** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	190	1.0	20.00	181.5	58.6	70	130			ES
Toluene	21	1.0	20.00	4.698	80.1	67.5	123			
Chlorobenzene	16	1.0	20.00	0	80.1	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	115	81.9	134			
Trichloroethene (TCE)	19	1.0	20.00	0	95.1	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		95.9	70	130			

Sample ID **1403b99-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **MWAL-2R**	Batch ID: **R17689**	RunNo: **17689**
Prep Date:	Analysis Date: **3/31/2014**	SeqNo: **509689** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	180	1.0	20.00	181.5	-26.1	70	130	9.16	20	ES
Toluene	19	1.0	20.00	4.698	71.4	67.5	123	8.77	20	
Chlorobenzene	15	1.0	20.00	0	74.6	70	130	7.12	20	
1,1-Dichloroethene	22	1.0	20.00	0	109	81.9	134	5.28	20	
Trichloroethene (TCE)	18	1.0	20.00	0	89.8	70	130	5.74	20	
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		112	70	130	0	0	
Surr: Dibromofluoromethane	10		10.00		105	70	130	0	0	
Surr: Toluene-d8	9.2		10.00		91.8	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2.
RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1403B99**

08-Apr-14

Client: Daniel B. Stephens & Assoc.

Project: Allsup's 294

Sample ID **5mL rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R17789**	RunNo: **17789**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512719** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.1		10.00		90.7	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.8		10.00		97.9	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R17789**	RunNo: **17789**
Prep Date:	Analysis Date: **4/3/2014**	SeqNo: **512721** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	7.3		10.00		73.3	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.6	70	130			
Surr: Dibromofluoromethane	9.3		10.00		92.8	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: DBS | Work Order Number: 1403B99 | RcptNo: 1

Received by/date: AT 03/28/14

Logged By: **Lindsay Mangin** 3/28/2014 9:30:00 AM

Completed By: **Lindsay Mangin** 3/28/2014 11:21:26 AM

Reviewed By: AT 03/28/14

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. 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)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: DBS+A

Mailing Address:

Phone #: 822-9400

email or Fax#: MMcVey@DBStephens.com

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

Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Allsup's 294

Project #: ES10.0027.05

Project Manager: Mike McVey

Sampler: M. Nault

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1403B99	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
3/24/14	1615	Aq	MWAL-2R	3x 40ml	HgCl2	-001										✓		
	1705		MW-9			-002												
	1730		MWAL-1			-003												
↓	1820	↓	MW-16			-004												
			Trip Blank AT 03/29/14	VOAX1	HgCl2	-005										X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/28/14	0930			03/28/14	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Attachment 5

Survey

SURVEYING CONTROL, INC.

131 Madison St., N.E.
Albuquerque, NM 87108
(505) 266-0935
Fax (505) 266-9985

April 24, 2014

Attn: Michael D. McVey, P.G.
Daniel B. Stephens & Associates, Inc.
6020 Academy Road N.E., Ste. 100
Albuquerque, NM 87109

Re: Coordinates & Elevations for Monitor Wells on Allsups #294 Site at Las Vegas, New Mexico

Dear Mike:

The following are the coordinates and elevations for the monitor wells on the above referenced site. The coordinates are New Mexico State Plane Coordinates – East Zone, NAD 83 (NSRS 2007), and have been adjusted to the NGS Control Point "Vegasport". The elevations are NAVD 88, and have been adjusted to the USC&GS 2nd order benchmarks "X 294" (Published Elevation "X 294" = 6743.83') and "X 291" (Published Elevation "X 291" = 6596.34'). The coordinates and elevations are expressed in U.S. Survey Feet.

Well	Northing	Easting	Top Lid Elev.	Top PVC Elev.
MWAL-1	1673559.28	279439.27	6422.21	6421.95
MWAL-2R	1673545.56	279508.57	6419.75	6419.36
MW-9	1673595.91	279504.99	6420.30	6419.89
MW-16	1673432.45	279484.86	6419.23	6418.89

Note: The coordinates above are to the center of the top of the lid for each well. The elevations listed above as "Top PVC Elev." were taken on the north side of the inside well casing on a black Magic Marker datum point.

Please do not hesitate to call if you have any questions or if you need any additional information.

Sincerely

Stephen J. Toler, PS