

GW - 114

**WORK PLANS
(GW Monitoring)**

Date:

Sept. 17, 2013

Hansen, Edward J., EMNRD

From: Virgilio Cocianni <cocianni-v@slb.com>
Sent: Tuesday, September 17, 2013 5:58 AM
To: Hansen, Edward J., EMNRD
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Cathy Barnett (Cathy.Barnett@CH2M.com); Jennifer.Laggan@CH2M.com; Jeffrey.Minchak@CH2M.com
Subject: Former Dowell facility, Artesia NM - request to modify monitoring network
Attachments: Artesia_GWMonitoringMods_NMOCD_Submittal.pdf

Good morning, Ed.

Please find attached a letter explaining and requesting a modification to the monitoring network at the former Dowell facility in Artesia, NM.

The team and I are available at your convenience to get on a call to answer any questions you may have related to this request.

Have a great day.

Best regards,

Vic.

Vic Cocianni
Schlumberger Remediation Manager
Phone: +1-281-285-4747

"Courage doesn't always roar. Sometimes courage is the little voice at the end of the day that says I'll try again tomorrow." Mary Ann Radmacher.

(Please continue to be patient with me, She is still making me).

Virgilio Cocianni
Remediation Manager



Schlumberger
105 Industrial Boulevard
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September 16, 2013

Mr. Edward Hansen
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Work Plan Amendment
Modifications to the Groundwater Monitoring Program
Former Dowell Schlumberger Facility, Artesia, New Mexico

Dear Mr. Hansen:

Schlumberger Technology Corporation (Schlumberger) has prepared this work plan amendment to perform modifications to the current groundwater monitoring program at the Former Dowell Schlumberger Facility in Artesia, New Mexico. The following sections present background information regarding the existing groundwater monitoring program, proposed modifications to the program, and the schedule for implementing these modifications.

The adjustments are part of the overall evaluation of the site, including an assessment of the efficacy of the current remediation system.

Current Groundwater Monitoring Program

The current groundwater monitoring program includes a network of 35 monitoring wells that are monitored quarterly (Table 1). Depth to water measurements are collected at the 35 wells during each event. Field parameters and groundwater samples are collected from 19 monitoring wells (MW-8, MW-9, MW-11, MW-12, MW-13, MW-15, MW-18, MW-20, MW-21, MW-22, and MW-25 through MW-33) during the first, second, and third quarter monitoring events. During the fourth quarter monitoring event, groundwater samples are collected from the entire 35-well monitoring network. Groundwater samples are analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (USEPA) Method 8260.

Modifications to the Groundwater Monitoring Program

Schlumberger has evaluated the current groundwater monitoring program and proposes the following:

- Reduce the sampling frequency for some monitoring from quarterly to annually.
- Reduce the sampling frequency for some monitoring wells from quarterly to semiannually; no wells will be sampled quarterly.
- Remove certain monitoring wells from the groundwater monitoring program entirely.
- Plug and abandoned certain monitoring wells.

The revised monitoring program will continue to provide data across the defined plume area and upgradient, downgradient, and cross-gradient of the plume.

Proposed modifications to the current groundwater monitoring program are described in Table 1 and in the following sections. Table 2 contains the groundwater analytical results for the site monitoring wells from the previous eight groundwater sampling events.

Revisions to Groundwater Monitoring Frequency

Monitoring wells MW-12, MW-17C, MW-18, MW-21, MW-22, MW-25, MW-26, MW-28, MW-29, MW-30, MW-31, and MW-32 are proposed to be sampled semiannually versus quarterly because the rate of change in VOC concentrations at the site is slow, and there are minimal changes in groundwater quality observed between quarterly sampling events. Monitoring well MW-33 will also be sampled semiannually. The well is downgradient of the plume and acts as a sentinel well.

Monitoring wells MW-7, MW-8, MW-11, MW-15, and MW-19 are proposed to be sampled annually versus quarterly. VOC concentrations at these locations were below their applicable New Mexico Water Quality Control Commission (WQCC) standards in each of the monitoring wells for at least the previous eight quarterly sampling events. The wells are not located in VOC source areas, and annual monitoring is expected to be sufficient to confirm that VOC concentrations do not exceed the applicable WQCC standards moving forward.

Depth to water measurements will be collected during the semiannual and annual sampling events from monitoring wells not proposed for abandonment.

Removal of Monitoring Wells from Groundwater Sampling Program

Monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-10, MW-13, MW-14, MW-17A, MW-17B, MW-17D, MW-20, MW-23, MW-24, MW-26A, and MW-27 are proposed to be removed from the groundwater monitoring program for the following reasons:

- Groundwater samples from these wells have not exceeded WQCC standards in the previous eight quarterly sampling events or over a longer period of time. The Second Quarter Monitoring Results—2013 report indicated that MW-6 had been sampled and that trichloroethylene was detected in that monitoring well. However, since that report was prepared, it has been determined that the chain of custody was unclear, and the sample was incorrectly identified by the laboratory. The sample was actually a duplicate of MW-15 collected during the April event. The data have been corrected on Table 2 of this document, and MW-6 has not exceeded WQCC standards in the past eight annual sampling events.
- Monitoring wells are located outside or upgradient of groundwater contamination areas.
- Groundwater elevations at these locations are not required to support hydrogeologic interpretation.
- The wells are not likely to be required for remediation activities.

Monitoring Well Abandonment

Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-13, MW-14, MW-17A, MW-17B, MW-17D, MW-22A, MW-24, and MW-26A are proposed to be abandoned for the following reasons:

- Monitoring well MW-3 was reportedly damaged during facility reconstruction and subsequently buried beneath gravel. Groundwater samples and water level measurements

have not been collected at well MW-3 since July 19, 2001. Therefore, attempts will be made to locate and properly abandon MW-3 by grouting with a cement-bentonite slurry and removal of any remaining surface features.

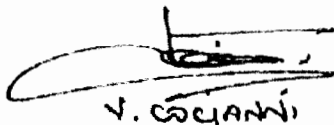
- Monitoring wells MW-22A and MW-26A were installed as temporary 1-inch groundwater monitoring wells for a zero-valent iron (ZVI) treatment pilot project completed in December 2001. Both wells were installed in order to monitor the effects of the ZVI on chlorinated compounds. MW-22A was dropped from the monitoring program with approval from the New Mexico Oil Conservation Division in October 2011, but was never properly abandoned. MW-26A remains in the monitoring program and is sampled annually. Because MW-22A and MW-26A are temporary monitoring points, lack complete construction as permanent monitoring wells, and MW-22A was previously removed from the monitoring program, both have been proposed for abandonment by grouting with a cement-bentonite slurry and removal of any remaining features.
- The remaining monitoring wells have not contained VOC concentrations that exceeded the WQCC standards for at least eight consecutive quarters and, in some cases, as shown on Table 1, for significantly longer than eight quarters. The wells are also not needed to support potential remediation efforts or hydrogeologic interpretation.

Implementation of the Modified Groundwater Monitoring Program

It is proposed that upon receipt of the New Mexico Oil Conservation Division's approval, the groundwater monitoring program revisions discussed in this work plan amendment will be implemented during the fourth quarter 2013 sampling event, currently scheduled for October 2013, and future sampling events.

If you have any questions or comments, please contact me at 281-285-4747 or by e-mail at cocianni-v@slb.com.

Sincerely,



V. COCIANNI

Virgilio Cocianni
Remediation Manager

c: Jim Strunk, The Dow Chemical Company (1 hard copy)
Cathy Barnett/CH2M HILL (1 electronic copy)
Jennifer Laggan/CH2M HILL (1 electronic copy)
Jeffrey Minchak/CH2M HILL (1 electronic copy)

Enclosures

Figure 1
Monitoring Well Locations



LEGEND

— Property Line
 - - - Right of Way Boundary
 — Fence

— Area Exceeding NMWQCC Standards
 (dashed where inferred)
 → Groundwater Flow Direction

○ Monitoring Well - Not Monitored
 ◐ Monitoring Well - Monitor Semi-Annually
 ● Monitoring Well - Monitor Annually
 ▲ Groundwater Extraction Well



FIGURE 1
 Monitoring Well Locations
 Former Dowell Schlumberger Facility
 Artesia, New Mexico

Table 1

Groundwater Monitoring Program Rationale

Table 1

Groundwater Monitoring Program Rationale
Former Dowell Schlumberger Facility, Artesia, New Mexico

Monitoring Well ID	Current Monitoring Frequency	Included in Modified Sampling Program	Sampling Frequency	Recommended for Abandonment?	Rationale
MW-1	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> • No detections or exceedances of WQCC standards for the past ten annual sampling events • Not required for depth to groundwater measurements to support hydrogeologic interpretation • Not required for remediation activities • Not located downgradient of existing groundwater impacts
MW-2	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> • No detections or exceedances of WQCC standards for the past seven annual events • Not required for depth to groundwater measurements to support hydrogeologic interpretation • Not required for remediation activities • Not located downgradient of existing groundwater impacts
MW-4	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> • No detections or exceedances of WQCC standards for the past thirteen annual sampling events • Not required for depth to groundwater measurements to support hydrogeologic interpretation • Not required for remediation activities • Not located downgradient of existing groundwater impacts
MW-5	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> • Only one detection (PCE in 2005) and no exceedances of WQCC standards for the past ten annual sampling events • Not required for depth to groundwater measurements to support hydrogeologic interpretation • Not required for remediation activities • Not located downgradient of existing groundwater impacts
MW-6	Annual October Event	No	None	No	<ul style="list-style-type: none"> • No detections or exceedances of WQCC standards for the past eight annual sampling events • Useful for depth to groundwater measurements to support hydrogeologic interpretation • Not required for remediation activities
MW-7	Annual October Event	Yes	Annually	No	<ul style="list-style-type: none"> • Four annual events with no exceedances of WQCC standards • MW-7 is centrally located between two known plume locations; downgradient of one area exceeding WQCC standards • Depth to water data is useful to support hydrogeologic interpretations • Due to its central location between two known areas exceeding WQCC standards, it could potentially be used for remediation activities in the future
MW-8	Quarterly	Yes	Annually	No	<ul style="list-style-type: none"> • No exceedances of WQCC standards for the past eight quarterly sampling events • Centrally located between two known areas with exceedances of WQCC standards • Useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-9	Quarterly	No	None	No	<ul style="list-style-type: none"> • Recent VOC detections but no WQCC exceedances • Upgradient of areas exceeding WQCC standards • Useful for depth to groundwater measurements to support hydrogeologic interpretation • Not located downgradient of existing groundwater impacts
MW-10	Annual October Event	No	None	No	<ul style="list-style-type: none"> • No exceedances of WQCC standards for the past three annual sampling events • Located outside of contaminated areas; not downgradient of contaminated areas • Useful for depth to groundwater measurements to support hydrogeologic interpretation

Table 1
Groundwater Monitoring Program Rationale
Former Dowell Schlumberger Facility, Artesia, New Mexico

Monitoring Well ID	Current Monitoring Frequency	Included in Modified Sampling Program	Sampling Frequency	Recommended for Abandonment?	Rationale
MW-11	Quarterly	Yes	Annually	No	<ul style="list-style-type: none"> No exceedances of WQCC standards for the past eight quarterly sampling events Centrally located between two known areas with exceedances of WQCC standards; downgradient of contaminated areas; useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for remediation activities
MW-12	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> Located inside contaminated area; located at proposed remediation location; Benzene & 1,1-DCA WQCC exceedances in most recent sampling events Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-13	Quarterly	No	None	Yes	<ul style="list-style-type: none"> No detections/exceedances since 1999 Not downgradient of contaminated areas Not useful for depth to groundwater measurements to support hydrogeologic interpretation Not required for remediation activities
MW-14	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> Only one detection (1,1-DCA in 2005) and no exceedances of WQCC standards for the past eight annual sampling events Located outside of contaminated areas; Not downgradient of contaminated areas Not useful for depth to groundwater measurements to support hydrogeologic interpretation Not required for remediation activities
MW-15	Quarterly	Yes	Annually	No	<ul style="list-style-type: none"> No exceedances of WQCC standards for the past eight quarterly sampling events Upgradient well for former wash rack location Downgradient/Near proposed remediation location and could be necessary for injection activities in the future Useful for depth to groundwater measurements to support hydrogeologic interpretation Not located downgradient of existing groundwater impacts Potential use for future remediation activities
MW-17A	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> No exceedances in past seven sampling events Downgradient of contaminated area One of four nested wells which have not been shown to provide complementary data Not useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-17B	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> Downgradient of contaminated area One of four nested wells which have not been shown to provide complementary data Not useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-17C	Annual October Event	Yes	Semiannually	No	<ul style="list-style-type: none"> Detections in past eight quarterly sampling events; No exceedances in past seven sampling events Near proposed injection location and could be necessary for injection activities Downgradient of contaminated area One of four nested wells which have not been shown to provide complementary data; maintain MW-17C (deepest well in cluster) Not useful for depth to groundwater measurements to support hydrogeologic interpretation

Table 1
Groundwater Monitoring Program Rationale
Former Dowell Schlumberger Facility, Artesia, New Mexico

Monitoring Well ID	Current Monitoring Frequency	Included in Modified Sampling Program	Sampling Frequency	Recommended for Abandonment?	Rationale
MW-17D	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> Downgradient of contaminated area One of four nested wells which have not been shown to provide complementary data Not useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-18	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> WQCC exceedances for 1,1-DCE from 7/13/11 - 4/16/13; Exceedances for PCE from 7/13/11 - 7/18/12 Centrally located between two known areas with exceedances of WQCC standards; Downgradient of contaminated areas; Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-19	Annual October Event	Yes	Annually	No	<ul style="list-style-type: none"> No exceedances since 10/8/05; no detections since 10/19/10, eight quarters through October 2012 sampling event Useful for depth to groundwater measurements to support hydrogeologic interpretation Downgradient of contaminated area Potential use for future remediation activities
MW-20	Quarterly	No	None	No	<ul style="list-style-type: none"> No exceedances in previous eight quarterly sampling events Monitoring well is located outside the perimeter of WQCC standards exceedances locations Useful for depth to groundwater measurements to support hydrogeologic interpretation Not required for remediation activities
MW-21	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE exceedances between 7/13/11 - 4/16/13; PCE exceedances between 7/13/11 - 7/18/12 Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-22	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE exceedances between 7/13/11 - 4/16/13; PCE exceedances between 7/13/11 - 10/16/12 Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-22A	None	No	None	Yes	<ul style="list-style-type: none"> Well was removed from sampling program in 2011 with NMOCD concurrence.
MW-23	Annual October Event	No	None	No	<ul style="list-style-type: none"> No exceedances in previous eight annual sampling events since October 2005 Monitoring well is located outside of contaminated area locations and flow direction/path Useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-24	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> No exceedances or detections since October 2000 Monitoring well is located completely outside of contaminated area locations and flow direction/path Not needed for depth to groundwater measurements to support hydrogeologic interpretation
MW-25	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE and PCE exceedances in previous eight quarters Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities

Table 1
Groundwater Monitoring Program Rationale
Former Dowell Schlumberger Facility, Artesia, New Mexico

Monitoring Well ID	Current Monitoring Frequency	Included in Modified Sampling Program	Sampling Frequency	Recommended for Abandonment?	Rationale
MW-26	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> No exceedances in previous eight quarterly sampling events Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-26A	Annual October Event	No	None	Yes	<ul style="list-style-type: none"> 1,1-DCE and PCE exceedances in previous eight sampling events since October 2009, however, duplicative of MW-26
MW-27	Quarterly	No	None	No	<ul style="list-style-type: none"> No exceedances or detections in previous eight quarterly sampling events Monitoring well is located on the perimeter of contaminated area locations Useful for depth to groundwater measurements to support hydrogeologic interpretation
MW-28	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE exceedances in previous eight quarterly sampling events and PCE exceedances in previous four quarterly sampling events Useful for depth to groundwater measurements to support hydrogeologic interpretation Located within potential injection area
MW-29	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE exceedance in previous quarterly sampling event; detections in previous eight quarterly sampling events Within contaminated area and located at the NE property boundary Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-30	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE and PCE exceedances in previous eight quarters Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities Located at groundwater extraction and treatment system
MW-31	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE & PCE exceedances in 2011/2012 sampling events Centrally located between & downgradient of contaminated areas Potential use for depth to groundwater measurements to support hydrogeologic interpretation Potential use for remediation activities
MW-32	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> 1,1-DCE exceedances in previous eight quarters; Detections in previous eight quarterly sampling events Within and downgradient of contaminated areas Useful for depth to groundwater measurements to support hydrogeologic interpretation Potential use for future remediation activities
MW-33	Quarterly	Yes	Semiannually	No	<ul style="list-style-type: none"> No exceedances in previous eight quarterly sampling events Useful for depth to groundwater measurements to support hydrogeologic interpretation Downgradient of contaminated areas; most downgradient monitoring well; acts as sentinel well

Notes:
ID - identification
WQCC - Water Quality Control Commission
1,1-DCE - 1,1-dichloroethene
PCE - tetrachloroethene
1,1-DCA - 1,1-dichloroethane
VOC - volatile organic compound

Table 2

Groundwater Analytical Results for the Previous Eight Groundwater Sampling Events

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Well ID	Sample Date	8260 (mg/L)											
		BENZENE	ETHYLBENZENE	TOLUENE	TOTAL XYLENES	1,1-DCA	1,2-DCA	1,1-DCE	TOTAL 1,2-DCE	1,1,1-TCA	PCE	VPE	CHLOROETHANE
		New Mexico Water Quality Control Commission Standard											
		0.010 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	0.025 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.06 mg/L	0.1 mg/L	0.02 mg/L	N/A
MW-1	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-2	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	0.003	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.017	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.017	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.008	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.005	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)
MW-3	10/20/99	0.012	0.576	0.024	0.004	0.004	ND(0.0025)	0.005	NA	ND(0.0025)	0.007	0.002	NA
	1/28/00	0.005	0.153	ND(0.010)	0.365	0.002	ND(0.010)	0.002	NA	ND(0.010)	0.041	0.002	NA
	4/21/00	0.005	0.027	ND(0.0025)	0.024	0.004	ND(0.0025)	0.002	NA	ND(0.0025)	0.046	0.002	NA
	7/27/00	0.004	0.549	0.014	0.004	0.004	ND(0.005)	0.007	0.006	ND(0.005)	0.009	0.002	ND(0.005)
	10/19/00	0.003	0.012	ND(0.0025)	0.024	0.003	ND(0.0025)	0.005	0.005	ND(0.0025)	0.021	0.02	ND(0.0025)
	1/18/01	0.001	0.02	ND(0.005)	0.018	0.004	ND(0.005)	0.007	ND(0.005)	ND(0.005)	0.022	0.004	ND(0.005)
	4/12/01	0.003	ND(0.005)	ND(0.005)	0.019	0.005	ND(0.005)	0.011	ND(0.005)	ND(0.005)	0.017	0.003	ND(0.005)
	7/19/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.002	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.011	0.012	ND(0.01)
MW-4	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-5	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-6	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-7	10/08/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.001	0.002	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0048	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.015	0.015	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0058	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.0019	0.019	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0019	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.0059	0.0059	ND(0.001)
	10/20/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	ND(0.001)	0.0039	ND(0.001)	ND(0.001)	0.0036	0.0036	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0025	ND(0.001)	0.0025	ND(0.001)	ND(0.001)	0.0023	0.0023	ND(0.001)
	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)	0.0024	ND(0.001)	ND(0.001)	0.0019	0.0019	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0021	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	0.001	0.001	ND(0.001)
MW-8	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)	0.0028	ND(0.001)	ND(0.001)	0.0017	0.0022	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.001)	0.0025	ND(0.001)	ND(0.001)	0.0015	0.0023	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.0023	ND(0.001)	ND(0.001)	0.0015	0.0018	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	0.0013	0.0019	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.001	0.003	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0018	ND(0.001)	0.0018	ND(0.001)	ND(0.001)	0.0014	0.0018	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	0.0011	0.0015	ND(0.001)
	7/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00192	ND(0.001)	0.00167	0.000258	ND(0.001)	0.00136	0.0018	ND(0.001)
MW-9	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0033	ND(0.001)	0.019	ND(0.001)	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0057	ND(0.001)	0.023	ND(0.001)	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0035	ND(0.001)	0.018	ND(0.001)	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.017	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)	0.023	0.001	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.								

Table 2
Groundwater Analytical Results for the
Previous Eight Groundwater Sampling
Events

Table 2

Groundwater Analytical Results for the Previous Eight Groundwater Sampling Events

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Well ID	Sample Date	8260 (mg/L)											
		BENZENE	ETHYLBENZENE	TOLUENE	TOTAL XYLENES	1,1-DCA	1,2-DCA	1,1-DCE	TOTAL 1,2-DCE	1,1,1-TCA	PCE	PERC	CHLOROTRIFLUOROMETHANE
		New Mexico Water Quality Control Commission Standard											
		0.010 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	0.025 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.06 mg/L	0.1 mg/L	0.02 mg/L	N/A
MW-10	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	ND(0.001)	0.0003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0016	0.001	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.0045	ND(0.001)	ND(0.001)	0.0021	0.0015	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.001)	0.0058	0.0005	ND(0.001)	0.003	0.0024	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0016	ND(0.001)	0.0037	ND(0.001)	ND(0.001)	0.0036	0.0038	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	0.0042	0.0032	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	ND(0.001)	0.0013	ND(0.001)	ND(0.001)	0.0026	0.0031	ND(0.001)
MW-11	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.001)	0.0011	ND(0.001)	ND(0.001)	0.0013	0.0026	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	0.0026	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0018	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0019	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0042	ND(0.001)	0.0012	ND(0.001)	ND(0.001)	0.0012	0.0025	ND(0.001)
	7/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00211	ND(0.001)	0.000548	ND(0.001)	ND(0.001)	0.000934	0.00205	ND(0.001)
MW-12	10/11/11	0.003	0.31	ND(0.001)	0.11	0.001	ND(0.001)	0.0004	0.16	ND(0.001)	0.0026	ND(0.001)	ND(0.001)
	1/17/12	0.003	0.2	ND(0.001)	0.071	0.002	ND(0.001)	0.0046	0.13	ND(0.001)	0.0021	ND(0.001)	ND(0.001)
	4/19/12	0.0093	0.11	ND(0.001)	0.024	0.003	ND(0.001)	0.0027	0.068	ND(0.001)	0.003	ND(0.001)	ND(0.001)
	7/17/12	0.008	0.18	ND(0.001)	0.0037	0.003	ND(0.001)	0.0027	0.046	ND(0.001)	0.0044	ND(0.001)	ND(0.001)
	10/17/12	0.005	0.46	ND(0.001)	0.2	0.003	ND(0.001)	0.0043	0.11	ND(0.001)	0.0061	0.0023	ND(0.001)
	1/23/13	0.0068	0.19	ND(0.001)	0.051	0.003	ND(0.001)	0.0024	0.038	ND(0.001)	0.005	0.0013	ND(0.001)
	4/17/13	0.001	0.4	ND(0.001)	0.093	0.003	ND(0.001)	0.0041	0.059	ND(0.001)	0.0045	0.0017	ND(0.001)
	7/23/13	0.00432	0.162	ND(0.001)	0.0501	0.0165	ND(0.001)	0.00132	0.0249	ND(0.001)	0.00195	0.000496	ND(0.001)
MW-13	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	ND(0.001)	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0016	ND(0.001)	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/17/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000412	0.000269	ND(0.001)
MW-14	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/15/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-15	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.044	ND(0.001)	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0082	ND(0.001)	0.047	ND(0.001)	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	0.0091	ND(0.001)	0.052	ND(0.001)	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0069	ND(0.001)	0.043	0.0021	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0082	ND(0.001)	0.058	0.0016	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0055	ND(0.001)	0.04	0.0024	ND(0.001)
	4/17/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0096	ND(0.001)	0.054	ND(0.001)	ND(0.001)
	7/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000378	ND(0.001)	0.000196	0.0055	ND(0.001)	0.0433	0.00138	ND(0.001)
MW-17A	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.003	0.01	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.0032	ND(0.001)	ND(0.001)	0.0029	0.0038	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0083	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0014	0.0034	ND(0.001)
	10/15/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0049	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	0.0015	0.0025	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.0013	ND(0.001)	ND(0.001)	0.001	0.0012	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0058	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0014	0.0015	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0071	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0018	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0054	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)	ND(0.001)
MW-17B	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/15/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Table 2

Groundwater Analytical Results for the Previous Eight Groundwater Sampling Events

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Well ID	Sample Date	8260 (mg/L)											
		BENZENE	ETHYLBENZENE	TOLUENE	TOTAL XYLENES	1,1-DCA	1,2-DCA	1,1-DCE	TOTAL 1,2-DCE	1,1,1-TCA	PCE	CHLOROETHANE	
		New Mexico Water Quality Control Commission Standard											
		0.010 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	0.025 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.06 mg/L	0.1 mg/L	0.02 mg/L	N/A
MW-17C	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.004	0.002	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0035	ND(0.001)	0.0044	ND(0.001)	ND(0.001)	0.0022	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)	0.0019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/15/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0007	ND(0.001)	0.0012	ND(0.001)	ND(0.001)	0.0005	0.0005	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0006	ND(0.001)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-17D	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.02	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.006	0.01	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.0048	ND(0.001)	ND(0.001)	0.0058	0.0054	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0088	ND(0.001)	0.0026	ND(0.001)	ND(0.001)	0.0024	0.0043	ND(0.001)
	10/15/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0044	ND(0.001)	0.0013	ND(0.001)	ND(0.001)	0.0014	0.0023	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	0.0024	0.0019	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0098	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.0027	0.0018	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.0031	0.0013	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0043	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	ND(0.001)	ND(0.001)
MW-18	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0068	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.0085	0.0057	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0066	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0068	0.0025	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0065	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0068	0.001	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.0025	0.0022	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.002	0.011	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0021	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0018	0.0094	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0012	0.009	ND(0.001)
	7/24/13	0.000172	ND(0.001)	ND(0.001)	ND(0.001)	0.00217	ND(0.001)	0.0004	ND(0.001)	ND(0.001)	0.00162	0.00993	ND(0.001)
MW-19	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.0012	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0015	ND(0.001)	0.0048	ND(0.001)	ND(0.001)	ND(0.001)	0.0042	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0033	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.001)	ND(0.001)	ND(0.001)	0.0018	ND(0.001)
	10/21/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0008	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-20	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0086	ND(0.001)	0.0048	0.0018	ND(0.001)	0.0042	0.0058	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0081	ND(0.001)	0.0037	0.0018	ND(0.001)	0.0039	0.0058	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0097	ND(0.001)	0.0042	0.002	ND(0.001)	0.004	0.0052	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0076	ND(0.001)	0.0035	0.0023	ND(0.001)	0.0041	0.0039	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.01	ND(0.001)	0.003	0.002	ND(0.001)	0.004	0.004	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.01	ND(0.001)	0.0034	0.0024	ND(0.001)	0.0046	0.0039	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.014	ND(0.001)	0.0036	0.0026	ND(0.001)	0.0036	0.0034	ND(0.001)
	7/23/13	0.000232	ND(0.001)	ND(0.001)	ND(0.001)	0.0119	ND(0.001)	0.003	0.00264	ND(0.001)	0.00433	0.00348	ND(0.001)
MW-21	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0063	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0075	0.0029	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0065	ND(0.001)	0.0019	0.0014	ND(0.001)	0.0054	0.0023	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0062	ND(0.001)	0.0016	ND(0.001)	ND(0.001)	0.0066	0.0025	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0047	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.0058	0.002	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.005	0.019	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0041	ND(0.001)	0.0070	ND(0.001)	ND(0.001)	0.0016	0.0045	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0038	ND(0.001)	0.0036	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.001)
	7/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00193	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.000261	0.0012	ND(0.001)
MW-22	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.008	0.0022	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.0019	ND(0.001)	ND(0.001)	0.0076	0.0025	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0063	ND(0.001)	0.0018	ND(0.001)	ND(0.001)	0.0069	0.0022	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0037	ND(0.001)	0.0019	ND(0.001)	ND(0.001)	0.0057	0.002	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.007	0.0021	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0057	ND(0.001)	0.0016	ND(0.001)	ND(0.001)	0.0078	0.016	ND(0.001)
	4/16/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0067	ND(0.001)	0.0016	ND(0.001)	ND(0.001)	0.0054	0.015	ND(0.001)
	7/24/13	0.000108	ND(0.001)	ND(0.001)	ND(0.001)	0.0056	ND(0.001)	0.0013	0.000408	ND(0.001)	0.00567	0.0162	ND(0.001)
MW-22A	4/6/09	0.0018	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.0015	ND(0.001)	ND(0.001)	0.016	0.0051	ND(0.001)
	7/14/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0097	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.012	0.0037	ND(0.001)
	10/20/09	0.0008	ND(0.001)	ND(0.001)	ND(0.001)	0.0097	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.013	0.0037	ND(0.001)
	1/20/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0073	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.01	0.0044	ND(0.001)
	4/20/10	0.0003	ND(0.001)	ND(0.001)	ND(0.001)	0.0077	ND(0.001)	0.002	0.0002	ND(0.001)	0.0085	0.0054	ND(0.001)
	7/27/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0068	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0081	0.0042	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0078	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0099	0.004	ND(0.001)
	1/20/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0072	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0084	0.0042	ND(0.001)

Table 2

Groundwater Analytical Results for the Previous Eight Groundwater Sampling Events

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Well ID	Sample Date	8260 (mg/L)											
		BENZENE	ETHYLBENZENE	TOLUENE	TOTAL XYLENES	1,1-DCA	1,2-DCA	1,1-DCE	TOTAL 1,2-DCE	1,1,1-TCA	TCE	PCE	CHLOROETHANE
		0.010 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	0.025 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.06 mg/L	0.1 mg/L	0.02 mg/L	N/A
		New Mexico Water Quality Control Commission Standard											
MW-23	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/20/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	10/8/05	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/10/06	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/07	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/14/08	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/20/09	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0086	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.01	0.001	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0086	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.01	0.001	ND(0.001)
	4/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0084	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0091	0.001	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0053	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0069	0.001	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.008	0.001	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0074	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0084	0.001	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00969	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0068	0.001	ND(0.001)
	7/24/13	0.0000882	ND(0.001)	ND(0.001)	ND(0.001)	0.00657	ND(0.001)	0.001	0.000173	ND(0.001)	0.00559	0.001	ND(0.001)
MW-26	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0018	ND(0.001)	ND(0.001)	ND(0.001)	0.0015	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)	ND(0.001)	0.001	0.0023	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0017	ND(0.001)	ND(0.001)	ND(0.001)	0.0015	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0017	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000501	ND(0.001)	ND(0.001)	0.00026	0.000488	ND(0.001)
MW-26A	10/20/09	0.0009	ND(0.001)	ND(0.001)	ND(0.001)	0.0071	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.013	0.001	ND(0.001)
	1/20/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0039	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0091	0.001	ND(0.001)
	4/20/10	0.0008	ND(0.001)	ND(0.001)	ND(0.001)	0.0039	ND(0.001)	0.001	0.0002	ND(0.001)	0.0085	0.001	ND(0.001)
	7/26/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0042	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0076	0.001	ND(0.001)
	10/19/10	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0048	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0084	0.001	ND(0.001)
	1/20/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0032	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0066	0.001	ND(0.001)
	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0062	0.001	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.004	0.002	ND(0.001)
MW-27	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-28	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	0.0017	ND(0.001)	0.0088	0.017	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	0.0016	ND(0.001)	0.0086	0.017	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	0.0013	ND(0.001)	0.0076	0.018	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0083	ND(0.001)	0.001	0.0013	ND(0.001)	0.0082	0.017	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.001	0.001	ND(0.001)	0.008	0.017	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0097	ND(0.001)	0.001	0.0012	ND(0.001)	0.0085	0.017	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	0.001	ND(0.001)	0.0072	0.017	ND(0.001)
	7/23/13	0.000111	ND(0.001)	ND(0.001)	ND(0.001)	0.0092	ND(0.001)	0.001	0.000627	ND(0.001)	0.00786	0.017	ND(0.001)
MW-29	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.001)	ND(0.001)	ND(0.001)	0.0011	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0028	ND(0.001)	ND(0.001)	ND(0.001)	0.0013	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)
	10/16/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0049	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0028	ND(0.001)
	7/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.00097	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.00165	0.00376	ND(0.001)

Table 2

Groundwater Analytical Results for the Previous Eight Groundwater Sampling Events

Former Dowell Schlumberger Facility, GW-114

Artesia, New Mexico

Well ID	Sample Date	8260 (mg/L)											
		BENZENE	ETHYLBENZENE	TOLUENE	TOTAL XYLENES	1,1-DCA	1,2-DCA	1,1-DCE	TOTAL 1,2-DCE	1,1,1-TCA	TCE	PCE	CHLOROETHANE
		0.010 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	0.025 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.06 mg/L	0.1 mg/L	0.02 mg/L	N/A
MW-30	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.015	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.016	0.002	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.014	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.015	0.016	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.011	0.002	ND(0.001)
	7/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0082	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0089	0.002	ND(0.001)
	10/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.01	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.009	0.004	ND(0.001)
	1/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0099	0.007	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0093	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0072	0.002	ND(0.001)
	7/23/13	0.000106	ND(0.001)	ND(0.001)	ND(0.001)	0.00751	ND(0.001)	0.0001	0.000175	ND(0.001)	0.00785	0.0007	ND(0.001)
MW-31	10/12/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0062	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.0076	0.002	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0067	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.008	0.002	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0069	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.007	0.002	ND(0.001)
	7/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0038	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0053	0.017	ND(0.001)
	10/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.002	0.002	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0033	ND(0.001)	0.0032	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000388	ND(0.001)
MW-32	10/11/11	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0036	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0053	0.019	ND(0.001)
	1/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0039	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0046	0.003	ND(0.001)
	4/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.004	0.016	ND(0.001)
	7/17/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0031	0.016	ND(0.001)
	10/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.003	0.011	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0014	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0022	0.0088	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.0019	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.0016	0.008	ND(0.001)
	7/23/13	0.000083	ND(0.001)	ND(0.001)	ND(0.001)	0.00124	ND(0.001)	0.0001	ND(0.001)	ND(0.001)	0.00159	0.0075	ND(0.001)
MW-33	7/19/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/18/12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	1/24/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	4/18/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	7/23/13	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Notes:

mg/L - milligram per liter

ID - Identification

ND - analyte not detected at the listed reporting limit

N/A - not applicable

NA - analytical result is not available in the data record

Shading indicates concentration exceeds the listed Water Quality Control Commission Standard for that analyte