2017 Annual Groundwater Monitoring Report

DCP Plant to Lea Station 6-Inch Section 31
Plains SRS Number: 2009-084
Lea County, New Mexico

March 27, 2018 Terracon Project No. AR187004 NMOCD Reference No. 1R-2166



Prepared for: Plains Marketing, LP Midland, Texas

Prepared by: Terracon Consultants, Inc. Lubbock, Texas

terracon.com





March 27, 2018

Plains Marketing, L.P. 577 US Highway 385 North Seminole, Texas 79360 Attn: Ms. Camille Bryant

Telephone: (575) 441-1099

Re: 2017 Annual Groundwater Monitoring Report

DCP Plant to Lea Station 6-Inch Section 31

U/L "K", Sec. 31, T20S, R37E Lea County, New Mexico

NMOCD Reference No. 1R - 2166

Plains Marketing, L.P. SRS No. 2009-084

Terracon Project No. AR187004

Dear Ms. Bryant:

Terracon is pleased to submit one electronic copy and one CD attached to the cover page of the 2017 Annual Groundwater Monitoring Report for the above-referenced site.

We appreciate the opportunity to perform these services for Plains Marketing, L.P. (Plains). Please contact either of the undersigned at (806) 300-0140 if you have questions regarding the information provided in the report.

Sincerely,

lerracon

Prepared by:

Brett Dennis Field Scientist

Lubbock

Reviewed by:

Senior Associate

Office Manager - Lubbock

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2017 ANNUAL GROUNDWATER MONITORING REPORT

DCP Plant to Lea Station 6-Inch Section 31
Plains SRS No: 2009-084
Unit Letter "K", Section 31, Township 20 South, Range 37 East
Lea County, New Mexico
NMOCD Reference No. 1R – 2166
Terracon Project No. AR187004

1.0 INTRODUCTION

1.1 Site Description

The legal description of the DCP Plant to Lea Station 6-Inch Section 31 release site is Unit Letter "K" (NE/SW), Section 31, Township 20 South, Range 37 East, in Lea County, New Mexico. The property affected by the release is owned by The State of New Mexico and administered by the New Mexico State Land Office (NMSLO). The geographic coordinates of the release site are 32.52733° North latitude and 103.29060° West longitude. A "Site Location Map" is provided as Figure 1 in Appendix A.

Site Name	DCP Plant to Lea Station 6-Inch Section 31					
Site Location	Latitude 32.52733° North, Longitude 103.29060° West					
General Site Description	The site consists of six groundwater monitoring wells located in, and adjacent to, a pipeline right-of-way surrounded by native pasture land.					
Landowner	State of New Mexico					

1.2 Background Information

Based on information provided by the client, on April 2, 2009, Plains discovered a crude oil release from a six-inch steel pipeline. During initial response activities, Plains installed a temporary clamp on the pipeline to mitigate the release. The crude oil release resulted in a surface stain measuring approximately 6 feet (ft.) in width by 8 ft. in length. Plains initially classified the release as "non-reportable". Upon further investigation, Plains reclassified the release to "reportable" status and notified the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office and submitted a *Release Notification and Corrective Action* (Form C-141) on April 29, 2009. The cause of the release was attributed to external corrosion of the pipeline. The C-141 indicated approximately 20 barrels (bbls) of crude oil was released from the pipeline, with no recovery.

On April 15, 2009, soil boring (SB-1) was advanced approximately 10 ft. west of the release point to evaluate the vertical extent of soil impact. During advancement of the soil boring, groundwater



DCP Plant to Lea Station 6-Inch Section 31 Lea County, New Mexico March 27, 2018 Terracon Project Number AR187004

was encountered at approximately 77 ft. below ground surface (bgs). Temporary casing was installed in the boring to obtain a preliminary groundwater sample. On April 16, 2009, a groundwater sample (SB-1) was collected from the temporary casing and submitted to the laboratory for analysis of total dissolved solids (TDS), chlorides, and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Following the collection of the groundwater sample, the temporary casing was removed from the soil boring and the soil boring was plugged with cement and bentonite, as required by the New Mexico Office of the State Engineer (NMOSE). Laboratory analytical results indicated a benzene concentration of 1.915 milligrams per liter (mg/L), a BTEX concentration of 4.7711 mg/L, a chloride concentration of 54.6 mg/L, and a TDS concentration of 788 mg/L. Based on the analytical results of the submitted groundwater sample, Plains notified NMOCD representatives in the Hobbs District Office and the Santa Fe Office of the laboratory-confirmed impact to groundwater at the release site.

On June 2, 2009, following advancement of the soil boring, excavation of hydrocarbon-impacted soil commenced. Excavated soil was stockpiled on-site on a plastic liner to mitigate the potential leaching of the contaminants into the vadose zone. Approximately 1,400 cubic yards (cy) of soil was stockpiled on-site, pending final disposition. The final dimensions of the excavation were approximately 77 ft. in width, approximately 80 ft. in length, and 15 ft. in depth.

On September 21 through September 23, 2009, Plains installed and developed four monitor wells (MW-1 through MW-4) at the release site, as approved by the NMOCD. Soil samples were collected at 5-foot drilling intervals and field screened using a photo-ionization detector (PID). Selected soil samples were submitted to the laboratory for determination of concentrations of BTEX and total petroleum hydrocarbons (TPH) using EPA Methods SW-846 8021b and SW-846 8015M, respectively.

Monitor well MW-1 was installed on the floor of the excavation, at approximately 15 ft. bgs, to a total depth of approximately 86 ft. bgs. Soil samples collected at 25 ft. bgs, 35 ft. feet bgs, 45 ft. bgs, 55 ft. bgs, 65 ft. bgs, and 75 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) for all of the submitted soil samples. BTEX concentrations ranged from 0.0359 milligrams per kilogram (mg/kg) for the soil sample collected at 25 ft. bgs to 13.444 mg/kg for the soil sample collected at 25 ft. bgs. The TPH concentrations ranged from 286 mg/kg for the soil sample collected at 25 ft. bgs.

Monitor well MW-2 is located approximately 75 ft. northwest (up-gradient) of the release point. The monitor well was installed to a total depth of approximately 90 ft. bgs. Soil samples collected at 15 ft. bgs, 30 ft. bgs, 45 ft. bgs, 60 ft. bgs, and 75 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples.



DCP Plant to Lea Station 6-Inch Section 31 Lea County, New Mexico March 27, 2018 Terracon Project Number AR187004

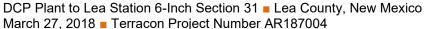
Monitor well MW-3 is located approximately 75 ft. to the southwest (cross-gradient) of the release point. The monitor well was installed to a total depth of approximately 90 ft. bgs. Soil samples collected at 15 ft. bgs, 30 ft. bgs, 45 ft. bgs, and 60 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations ranged from less than the appropriate laboratory MDL for the soil samples collected at 15 ft. bgs, 30 ft. bgs, 45 ft. bgs, and 60 ft. bgs to 0.0025 mg/Kg for the soil sample collected at 60 ft. bgs. Analytical results indicated BTEX concentrations ranged from less than the appropriate laboratory MDL for the soil samples collected at 15 ft. bgs, 30 ft. bgs, and 45 ft. bgs to 0.0052 mg/Kg for the soil sample collected at 60 ft. bgs. TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples.

Monitor well MW-4 is located approximately 75 ft. to the southeast (down-gradient) of the release point. The monitor well was installed to a total depth of approximately 89 ft. bgs. Soil samples collected at 15 ft. bgs, 30 ft. bgs, 45 ft. bgs, and 60 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples.

On January 25, 2011, monitoring well MW-5 was installed to further monitor the down-gradient migration of the PSH plume. Monitor well MW-5 is located approximately 60 ft. to the southeast (down-gradient) of the release point. The monitor well was installed to a total depth of approximately 95 ft. bgs. Soil samples collected at 15 ft. bgs, 25 ft. bgs, 45 ft. bgs, 65 ft. bgs, and 75 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples. PSH was not observed in monitor well MW-5.

On September 11, 2013, monitoring well MW-6 was installed to further monitor the down-gradient migration of the PSH plume. Monitor well MW-6 is located approximately 95 ft. to the east (cross-gradient) of the release point. The monitor well was installed to a total depth of approximately 100 ft. bgs. Soil samples collected at 5 ft. bgs, 40 ft. bgs, and 75 ft. bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were less than the appropriate laboratory MDL for all of the submitted soil samples. PSH was not observed in monitor well MW-6.

On October 18, 2016, Terracon assumed oversight of groundwater monitoring activities at the DCP Plant to Lea Station 6-Inch Section 31 release site. There are a total of six monitor wells located at the site. Monitor wells MW-2 through MW-6 are gauged and sampled on a quarterly schedule; monitor well MW-1 is not sampled due to the presence of PSH.





1.3 Scope of Work

Terracon's scope of work includes oversight of groundwater monitoring activities and preparation of an *Annual Groundwater Monitoring Report* in accordance with the NMOCD letter, dated May 1998, requiring submittal of and *Annual Groundwater Monitoring* Report by April 1st of each year. Groundwater monitoring activities include conducting quarterly groundwater monitoring events at the site. Quarterly groundwater monitoring events include measuring the static water levels in the monitor wells, checking for the presence of PSH, and the collection of groundwater samples from each of the on-site monitor wells not exhibiting a measurable thickness of PSH. In accordance with the approved scope of work, Terracon conducted the quarterly groundwater monitoring events on March 8, June 27, September 21, and November 14, 2017.

1.4 Standard of Care

Activities conducted prior to Terracon assuming oversight of the project (beginning on October 18, 2016) were performed by previous consultants hired by Plains. As such, Terracon makes no assumptions or warranties regarding the previous consultants services being performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report.

1.5 Additional Scope Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this remediation activities. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.



DCP Plant to Lea Station 6-Inch Section 31 Lea County, New Mexico March 27, 2018 Terracon Project Number AR187004

1.6 Reliance

This report has been prepared for the exclusive use of Plains Marketing, L. P., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Plains Marketing, L.P. and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in this report, and Terracon's Terms and Conditions. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

2.0 FIELD ACTIVITIES

2.1 Product Recovery

An estimated 40.50 gallons (0.9 bbls) of PSH were recovered from monitor well MW-1, by manual recovery, in 2017. During the 2nd (quarterly) 2017 groundwater monitoring event, the PSH thickness in MW-1 measured 2.37 feet. An estimated 5,750 gallons (137 bbls) of PSH has been manually recovered from MW-1 since recovery operations began in 2009.

In September 2012, a Mobile Dual-Phase Extraction (MDPE) unit was installed on monitor well MW-1 by Talon LPE. The MDPE unit was shared with the nearby release site known as DCP Plant to Lea Station 6-Inch #2 (NMOCD Reference #1RP-2136), and the location of the unit was alternated periodically until a Soil Vapor Extraction (SVE) unit was placed on the previously mentioned site on July 19, 2017. During the 2017 reporting period, an estimated 1,835 gallons (43.6 bbls) of PSH in the vapor phase and an estimated 252 gallons (6 bbls) of PSH in the liquid phase were recovered by the MDPE unit, for a total of an estimated 2,087 equivalent gallons (49.6 bbls) of PSH. To date, an estimated 12,426 equivalent gallons (295.8 bbls) of PSH has been recovered from monitor well MW-1 by MDPE. Recovered fluids are disposed of at an NMOCD-approved disposal facility.

2.2 Groundwater Monitoring

Quarterly groundwater monitoring events were conducted on March 8 (1Q2017), June 27 (2Q2017), September 21 (3Q2017) and November 14, 2017 (4Q2017). Quarterly groundwater monitoring events included measuring the static water level in the on-site monitor wells, checking for the presence of PSH, and the collection of groundwater samples from each of the on-site monitor wells not exhibiting a measurable thickness of PSH. Groundwater samples were collected utilizing low flow sampling equipment, including a bladder pump and multi-parameter meter. Prior to sample collection, readings on the multi-parameter meter were recorded for four cycles of five minutes each. Each collected sample was placed in laboratory-supplied containers appropriate to the analyses requested and placed on ice in a cooler. The sample coolers and completed



DCP Plant to Lea Station 6-Inch Section 31 Lea County, New Mexico March 27, 2018 Terracon Project Number AR187004

chain-of-custody forms were delivered to Xenco Laboratories in Lubbock, Texas for analysis of BTEX using EPA SW-846 Method 8021B. Purged water was placed into a polystyrene aboveground storage tank (AST) and disposed of at an NMOCD-approved disposal facility.

Based on sampling criteria provided by the NMOCD, groundwater samples collected from the onsite monitor wells were not subject to analysis of polynuclear aromatic hydrocarbons (PAHs).

Groundwater elevation gauging data collected during the respective quarterly sampling events were used to construct groundwater gradient maps, which are included as Figures 2a through 2d in Appendix A. Groundwater flow direction was relatively consistent during each quarter of 2017 in the southeasterly direction. Groundwater elevation and PSH thickness data is summarized in Table 1 in Appendix B.

3.0 LABORATORY ANALYTICAL METHODS

The groundwater samples collected from the on-site monitor wells were analyzed for BTEX using EPA SW-846 Method 8021B. Laboratory results from the analysis of groundwater samples collected from the monitor wells are summarized in Table 2 in Appendix B and presented on Figures 3a through 3d in Appendix A. The executed chain-of-custody forms and laboratory data sheets are provided in Appendix C.

4.0 DATA EVALUATION

4.1 Groundwater Samples

Laboratory analytical results from groundwater samples collected on March 8 (1Q2017), June 27 (2Q2017), September 21 (3Q2017) and November 14, 2017 (4Q2017) were compared to NMOCD regulatory standards based on New Mexico Water Quality Control Commission (NMWQCC) groundwater standards found in Section 20.6.2.3103 of the New Mexico Administrative Code (NMAC).

Monitor Well MW-1

Monitor well MW-1 was not sampled during the 2017 reporting period due to the presence of PSH. PSH thicknesses of 1.52 ft and 2.37 ft were observed during the 1st Quarter and 2nd Quarter, respectively. Monitor well MW-1 was not gauged during the 3rd and 4th Quarters due to the presence of a mobile dual-phase extraction (MDPE) unit on the well.

Monitor Wells MW-2, MW-3, MW-4, and MW-6

■ Laboratory analytical results indicated BTEX concentrations were less than the applicable laboratory sample detection limit during each quarter of the 2017 reporting period.



DCP Plant to Lea Station 6-Inch Section 31 Lea County, New Mexico March 27, 2018 Terracon Project Number AR187004

Monitor Well MW-5

- Laboratory analytical results indicated benzene and toluene concentrations were less than NMOCD regulatory standards during the 2nd Quarter of 2017. Ethylbenzene and total xylene concentrations were less than the applicable laboratory sample detection limit.
- Laboratory analytical results indicated BTEX concentrations were less than the applicable laboratory sample detection limit during the 1st Quarter, 3rd Quarter, and 4th Quarter of the 2017 reporting period

5.0 SUMMARY

- Currently, there are six groundwater monitor wells (MW-1 through MW-6) located at the site
- MW-1 was not sampled during the 2017 reporting period due to the presence of PSH.
- Monitor wells MW-2 through MW-6 were sampled during each quarter of 2017.
- Benzene, toluene, ethylbenzene and total xylene concentrations were less than the NMOCD regulatory standards in each of the submitted groundwater samples.
- The PSH thickness in monitor well MW-1 was 2.37 ft during the 2nd quarterly groundwater monitoring event conducted during the 2017 reporting period.
- An estimated 40.5 gallons (0.9 bbls) of PSH were recovered manually from monitor well MW-1 during the 2017 reporting period.
- An estimated 1,835 gallons (43.6 bbls) of PSH were recovered in the vapor phase and an estimated 252 gallons (6 bbls) of PSH in the liquid phase from monitor well MW-1 during the 2017 reporting period.
- The groundwater flow direction was relatively consistent during each quarter of 2017 in the southeasterly direction.

6.0 ANTICIPATED ACTIONS

- PSH recovery by MDPE will continue on monitor well MW-1 during the 2018 reporting period.
- Monitor wells MW-2 through MW-6 will be monitored and sampled quarterly for the presence of BTEX in 2018.
- An Annual Groundwater Monitoring Report will be prepared detailing field activities and the results of groundwater monitoring activities conducted during the 2017 reporting period.



DCP Plant to Lea Station 6-Inch Section 31 • Lea County, New Mexico March 27, 2018 • Terracon Project Number AR187004

7.0 DISTRIBUTION

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333 Clay Street, Suite 1600 Houston, Texas 77002 jpdann@paalp.com

Copy 5: Mr. Kris Williams

Terracon Consultants 5827 50th Street, Suite 1 Lubbock, Texas 79424 kris.williams@terracon.com

APPENDIX A

Figure 1- Site Location Map

Figure 2a – Groundwater Gradient Map (1Q2017)

Figure 2b – Groundwater Gradient Map (2Q2017)

Figure 2c – Groundwater Gradient Map (3Q2017)

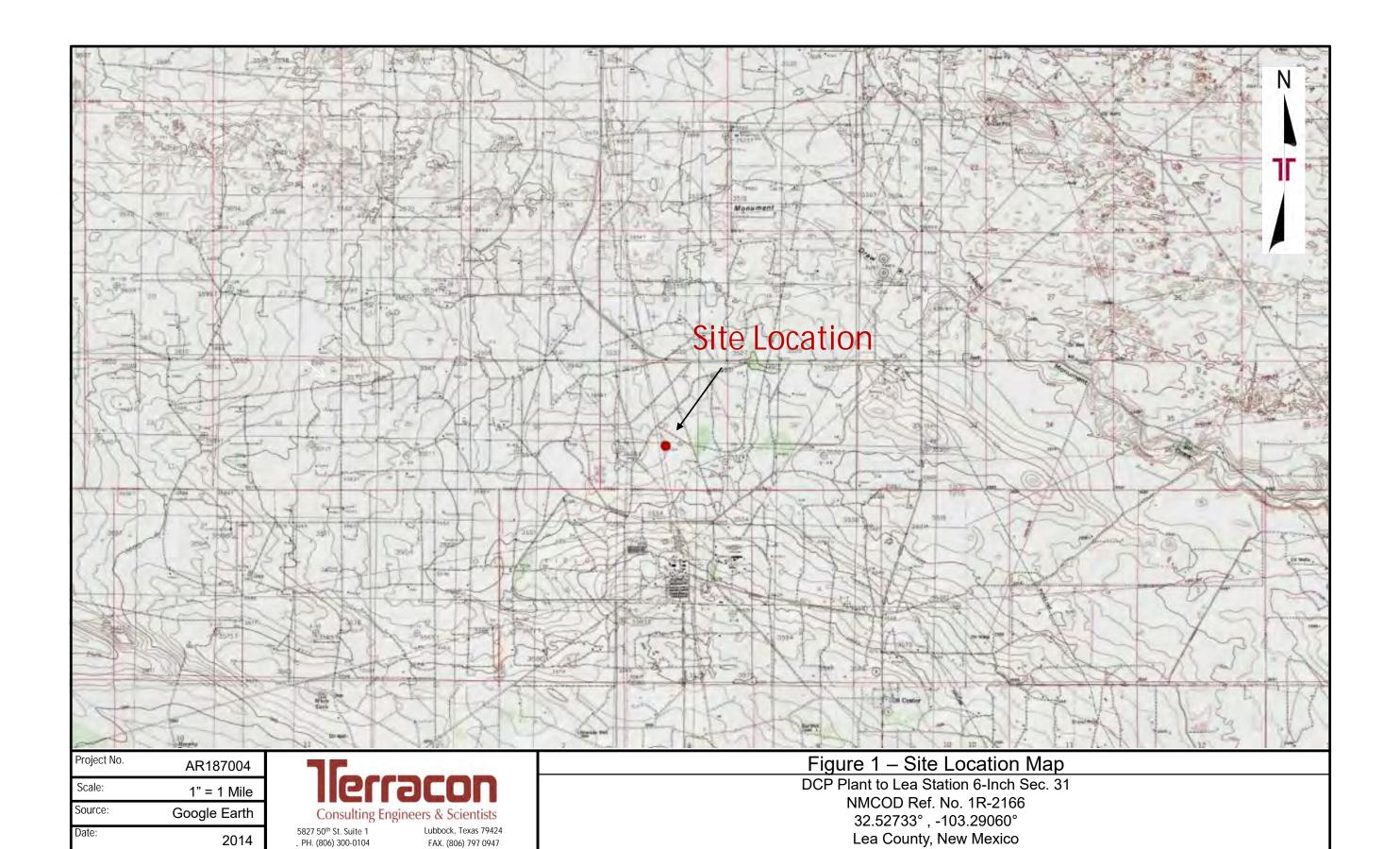
Figure 2d – Groundwater Gradient Map (4Q2017)

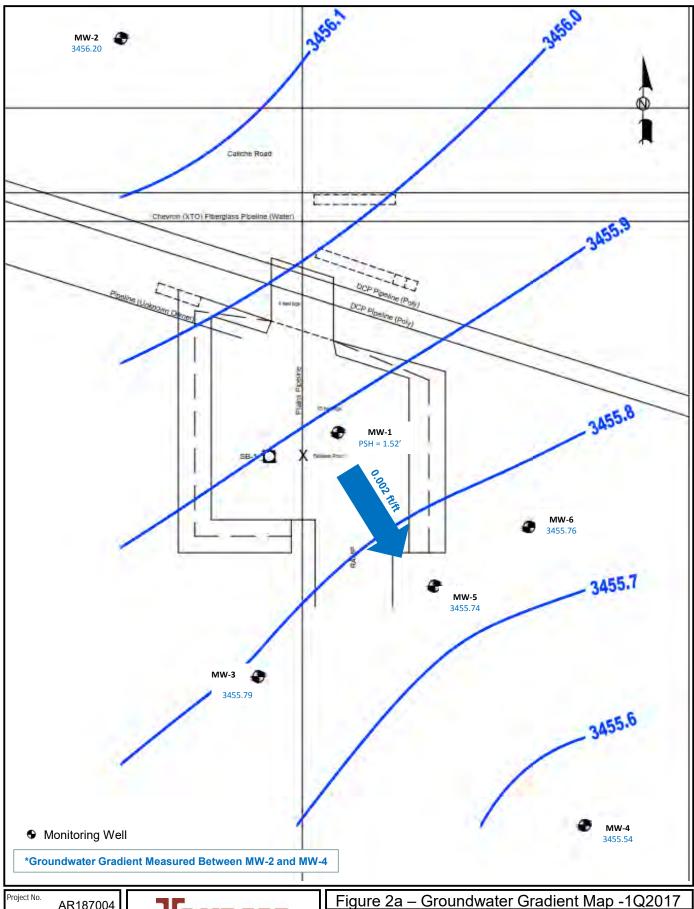
Figure 3a – Groundwater Concentration Map (1Q2017)

Figure 3b – Groundwater Concentration Map (2Q2017)

Figure 3c – Groundwater Concentration Map (3Q2017)

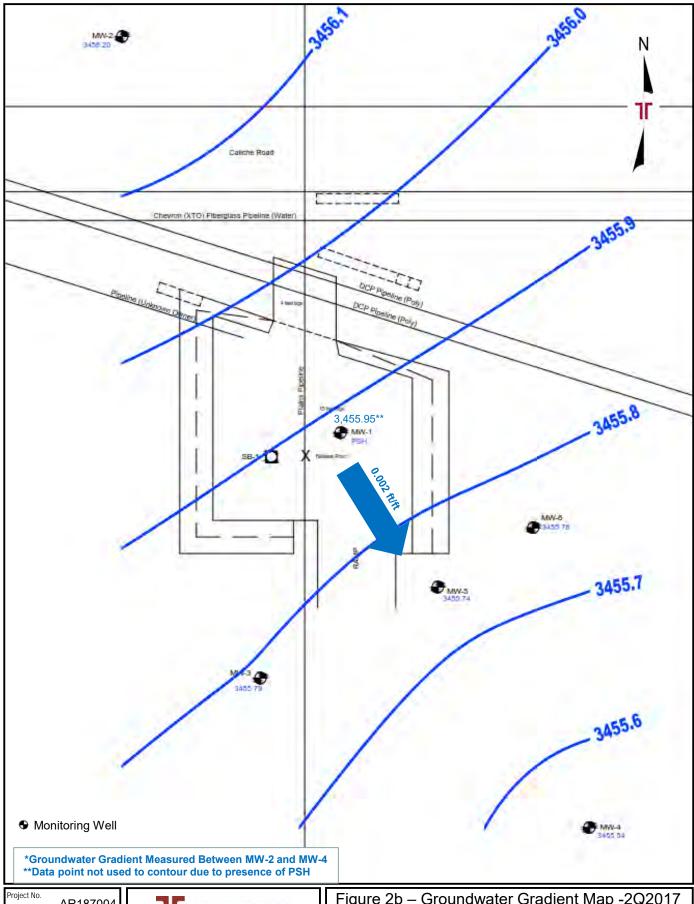
Figure 3d – Groundwater Concentration Map (4Q2017)





AR187004 Scale: 1"=90' Source: GoogleEarth Date: 2017

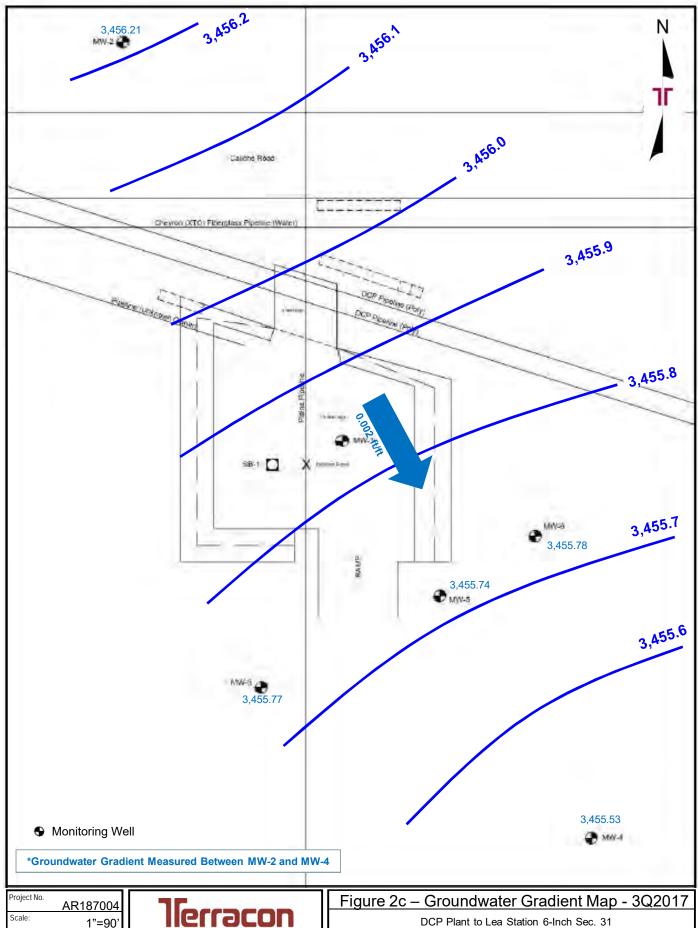




Project No.	AR187004
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Date:	2017

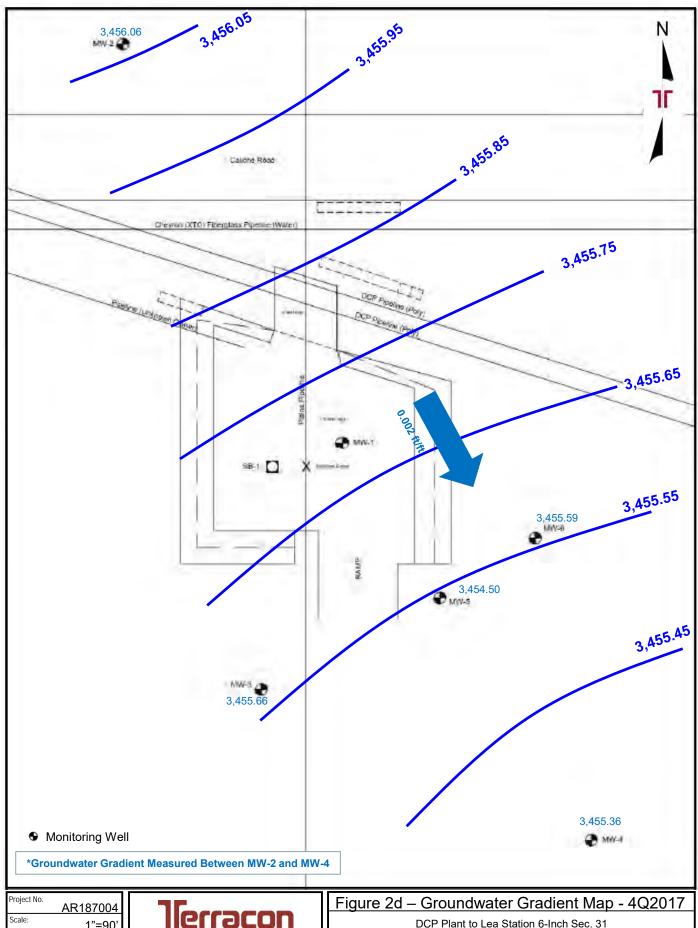


Figure 2b - Groundwater Gradient Map -2Q2017



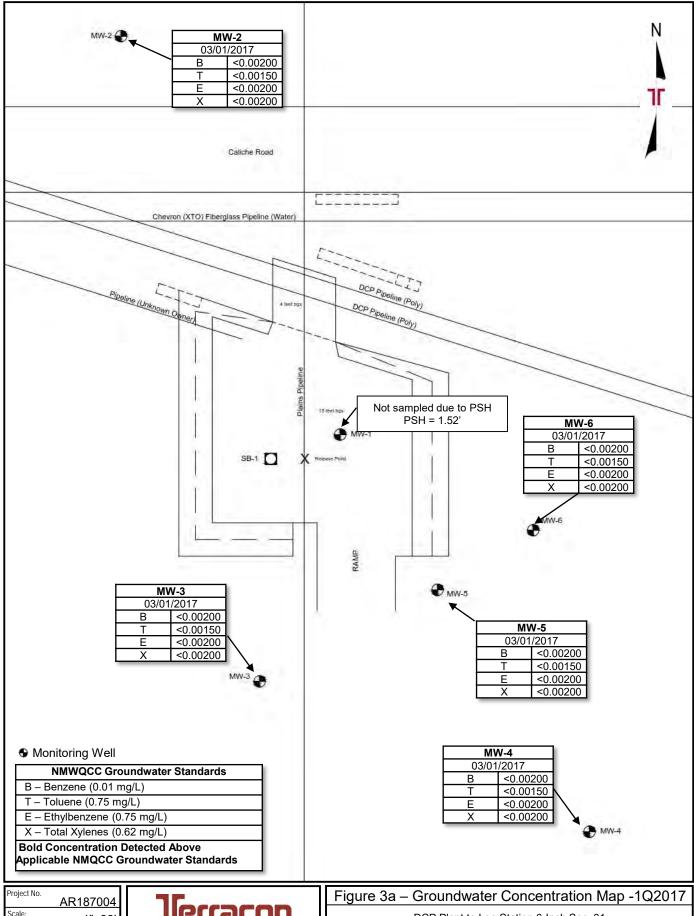
1"=90' Source: GoogleEarth Date: 2017

5827 50th St. Suite 1 Lubbock, Texas 79424 Phone (806) 300-0140 Fax (806) 797-0947 NMOCD Ref. No. 1R-2166 32.52733° , -103.29060° Lea County, New Mexico



1"=90' Source: GoogleEarth Date: 2017

5827 50th St. Suite 1 Lubbock, Texas 79424 Phone (806) 300-0140 Fax (806) 797-0947

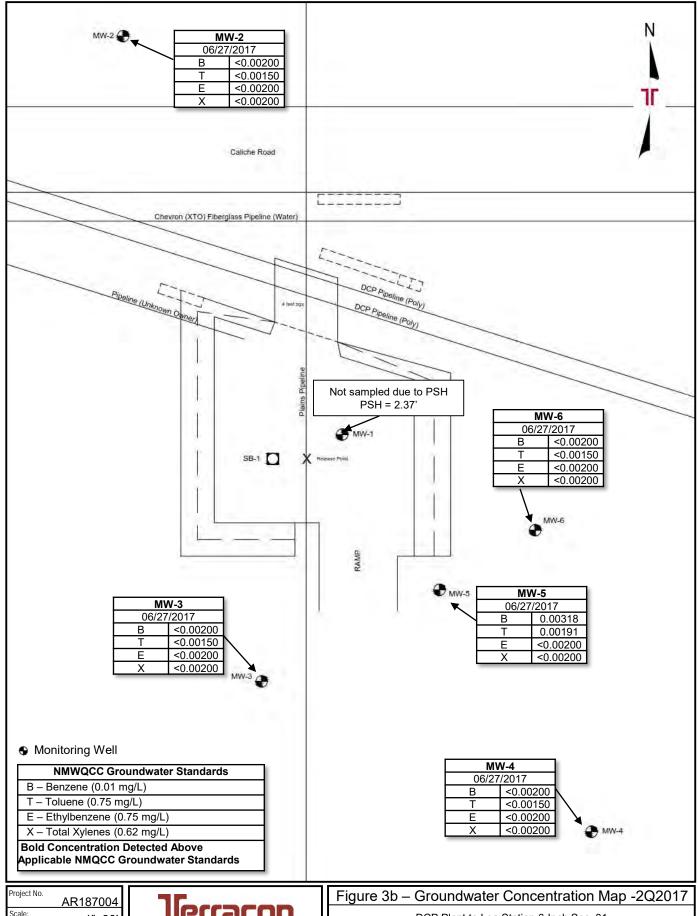


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Source:	GoogleEarth
Date:	2017



Fax (806) 797-0947

Phone (806) 300-0140



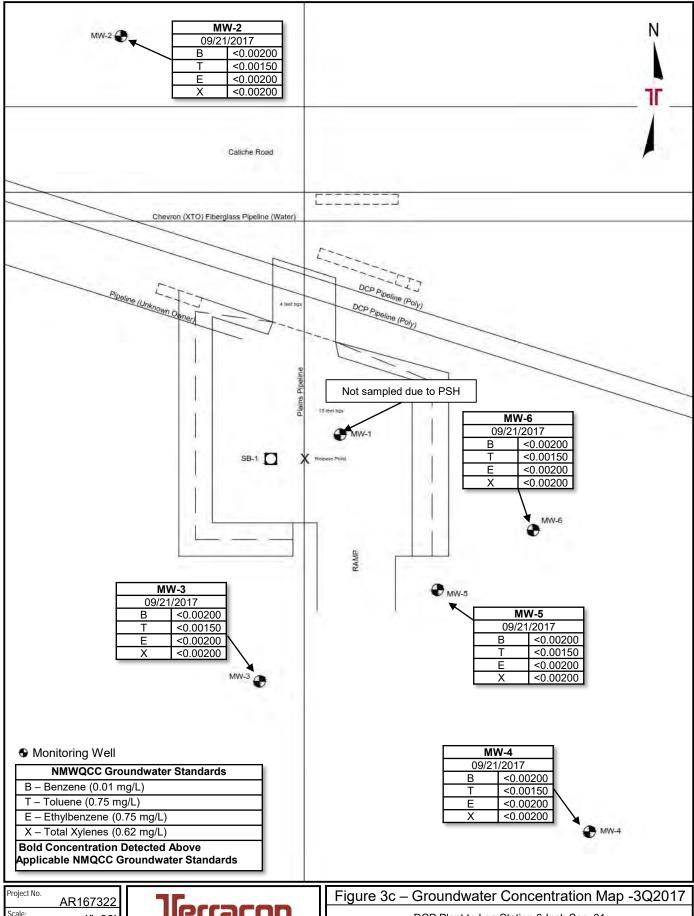
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Source:	GoogleEarth
Date:	2017



Consulting Engineers & Scientists

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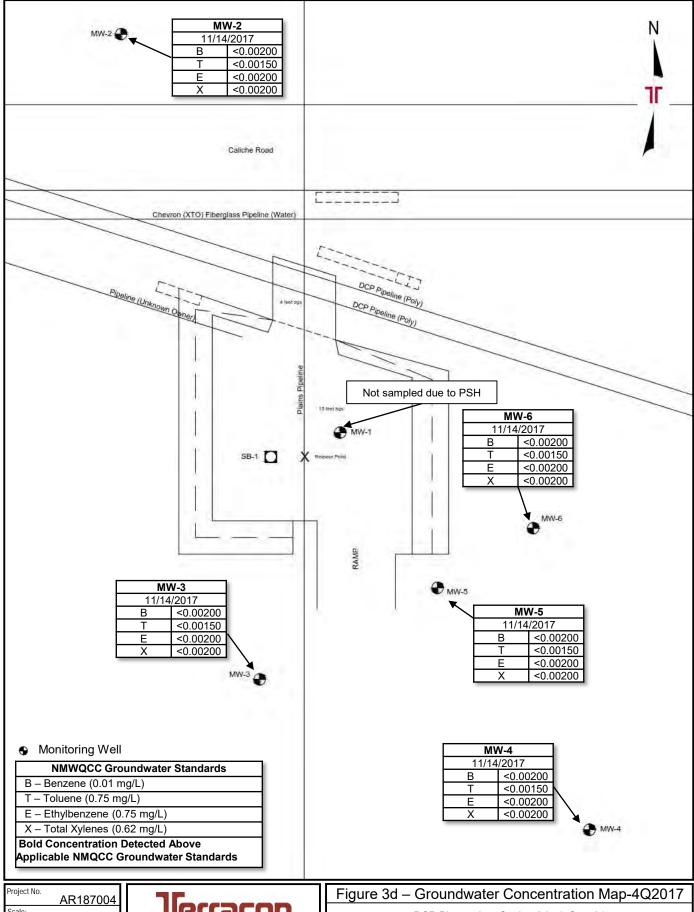


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Date:	2014



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Project No.	AR187004
Scale:	1"=90'
Source:	GoogleEarth
Date:	2017



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APPENDIX B

Table 1 – Groundwater Elevation and PSH Thickness Data Table 2 – Groundwater Analytical Summary - BTEX

TABLE 1

GROUNDWATER ELEVATION DATA DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO PLAINS SRS #: 2009-084

NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	-	3,539.59	-	-	-	-
	-	3,539.59	ı	-	ı	-
	-	3,539.59	-	-	-	-
MW-1	12/22/2016	3,539.59	83.05	86.01	2.96	3,456.10
10100-1	03/01/2017	3,539.59	83.39	84.91	1.52	3,455.97
	06/27/2017	3,539.59	83.28	85.65	2.37	3,455.95
	09/21/2017	3,539.59	ı	-	ı	_*
	11/14/2017	3,539.59	-	-	-	-*
	02/10/2016	3,539.37	ı	83.10	ı	3,456.27
	05/03/2016	3,539.37	ı	83.10	•	3,456.27
	08/04/2016	3,539.37	-	83.08	-	3,456.29
MW-2	12/22/2016	3,539.37	-	83.21	-	3,456.16
IVIVV-Z	03/01/2017	3,539.37	-	83.17	-	3,456.20
	06/27/2017	3,539.37	-	83.28	-	3,456.09
	09/21/2017	3,539.37	-	83.16	-	3,456.21
	11/14/2017	3,539.37	-	83.31	-	3,456.06
	02/10/2016	3,539.28	-	83.48	-	3,455.80
	05/03/2016	3,539.28	-	83.45	-	3,455.83
	08/04/2016	3,539.28	-	83.44	-	3,455.84
NAVA / O	12/22/2016	3,539.28	-	83.51	-	3,455.77
MW-3	03/01/2017	3,539.28	-	83.49	-	3,455.79
	06/27/2017	3,539.28	-	83.61	-	3,455.67
	09/21/2017	3,539.28	-	83.51	-	3,455.77
	11/14/2017	3,539.28	-	83.62	-	3,455.66
	02/10/2016	3,540.07	-	84.50	-	3,455.57
	05/03/2016	3,540.07	-	84.47	-	3,455.60
	08/04/2016	3,540.07	-	84.48	-	3,455.59
NAVA/ 4	12/22/2016	3,540.07	-	84.54	-	3,455.53
MW-4	03/01/2017	3,540.07	-	84.53	-	3,455.54
	06/27/2017	3,540.07	-	84.63	-	3,455.44
	09/21/2017	3,540.07	-	84.54	-	3,455.53
	11/14/2017	3,540.07	-	84.71	-	3,455.36
	02/10/2016	3,539.90	-	84.14	-	3,455.76
	05/03/2016	3,539.90	-	84.10	-	3,455.80
	08/04/2016	3,539.90	-	84.12	-	3,455.78
NANA/ E	12/22/2016	3,539.90	-	84.18	-	3,455.72
MW-5	03/01/2017	3,539.90	-	84.16	-	3,455.74
	06/27/2017	3,539.90	-	84.28	-	3,455.62
	09/21/2017	3,539.90	-	84.16	-	3,455.74
	11/14/2017	3,539.90	-	85.40	-	3,454.50
	02/10/2016	3540.82	-	85.00	-	3,455.82
	05/03/2016	3540.82	-	84.96	-	3,455.86
	08/04/2016	3540.82	-	85.03	-	3,455.79
NAVA/ C	12/22/2016	3540.82	-	85.05	-	3,455.77
MW-6	03/01/2017	3540.82	-	85.06	-	3,455.76
	06/27/2017	3540.82	-	85.14	-	3,455.68
	09/21/2017	3540.82	-	85.04	-	3,455.78
	11/14/2017	3540.82	_	85.23	_	3,455.59
	,, 2011	55.5.0 <u>L</u>				5,.55.55

- = Not applicable
-* = Not gauged due to presence of MDPE unit.
Elevations based on the North American Vertical Datum of 1988

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY - BTEX DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO

PLAINS SRS #: 2009-084 NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

		METHODS: EPA SW 846-8260b								
SAMPLE	SAMPLE	DENZENE	TOLLIENE	ETHYL-	M,P-	0-	TOTAL	TOTAL		
LOCATION	DATE	BENZENE		BENZENE	XYLENES	XYLENES	XYLENES	BTEX		
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		
	02/10/2016	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020		
	05/03/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	08/04/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
MW-2	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	< 0.00100	<0.00200	< 0.00200		
10100-2	03/08/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/27/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	09/21/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	11/14/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	02/10/2016	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020		
	05/03/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	08/04/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
MW-3	12/22/2016	0.00110	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	0.00110		
10100-3	03/08/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/27/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	09/21/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	11/14/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	02/10/2016	0.0021	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0021		
	05/03/2016	0.00205	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.00205		
	08/04/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
MW-4	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200		
10100-4	03/08/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/27/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	09/21/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	11/14/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	02/10/2016	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020		
	05/03/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	08/04/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
MW-5	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200		
	03/08/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/27/2017	0.00318	0.00191	<0.00200	<0.00200	<0.00200	<0.00200	0.00509		
	09/21/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	11/14/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	00/40/0040	ZO 0040	40.0000	ZO 0040	<0.0000	ZO 0040	<0.0000	<0.0000		
	02/10/2016	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020		
	05/03/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	08/04/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
MW-6	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200		
	03/08/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/27/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	09/21/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	11/14/2017	<0.00200	<0.00150	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
NMOCD CR	ITERIA	0.01	0.75	0.75	TOTA	L XYLENE	S 0 62			
I HINIOCD CK		0.01	0.75	0.73	I IOIA	- V F 14E	U.UZ	<u> </u>		

APPENDIX C

Laboratory Data Sheets



AR 167322

Project Id:

Certificate of Analysis Summary 548226

Terracon Lubbock, Lubbock, TX

Project Name: DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Date Received in Lab: Thu Mar-09-17 08:50 am

Report Date: 16-MAR-17 **Project Manager:** Kelsey Brooks

Date Der Frank to Lea Station o Sec. 31 (SKS#20059

Contact: Joel Lowry

Project Location:

	Lab Id:	548226-	001	548226-002		548226-003		548226-004		548226-005		
Analysis Requested	Field Id:	MW-2		MW-3		MW-4		MW-5		MW-6		
Anaiysis Requesiea	Depth:											
	Matrix:	WATE	R	WATER		WATER		WATER		WATER		
	Sampled:	Mar-08-17	12:24	Mar-08-17	15:02	Mar-08-17	14:08	Mar-08-17	15:49	Mar-08-17	13:15	
BTEX by EPA 8021B	Extracted:	Mar-15-17 07:20										
	Analyzed:	Mar-15-17 18:12		Mar-15-17 20:06		Mar-15-17 18:28		Mar-15-17 20:54		Mar-15-17 18:44		
	Units/RL:	mg/L	RL									
Benzene		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
Toluene		< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	
Ethylbenzene		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
m,p-Xylenes		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
o-Xylene		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
Total Xylenes		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
Total BTEX		< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	< 0.00150	0.00150	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Version: 1.%

Kelsey Brooks
Project Manager

Analytical Report 548226

for Terracon Lubbock

Project Manager: Joel Lowry

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

AR 167322

16-MAR-17

Collected By: Client





1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054) Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)

Xenco-San Antonio: Texas (T104704534)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)





16-MAR-17

Project Manager: Joel Lowry

Terracon Lubbock 5827 50th st, Suite 1 Lubbock, TX 79424

Reference: XENCO Report No(s): 548226

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Project Address:

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 548226. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 548226 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Kelsey Brooks

Knus Hoah

Project Manager

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Sample Cross Reference 548226



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	03-08-17 12:24		548226-001
MW-3	W	03-08-17 15:02		548226-002
MW-4	W	03-08-17 14:08		548226-003
MW-5	W	03-08-17 15:49		548226-004
MW-6	W	03-08-17 13:15		548226-005



CASE NARRATIVE

Client Name: Terracon Lubbock

Project Name: DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Project ID: AR 167322 Report Date: 16-MAR-17 Work Order Number(s): 548226 Date Received: 03/09/2017

Sample receipt non conformances and comments:	
Sample receipt non conformances and comments per sample:	
None	





Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id: MW-2 Matrix: Water Date Received:03.09.17 08.50

Lab Sample Id: 548226-001 Date Collected: 03.08.17 12.24

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: ALJ % Moisture:

Analyst: ALJ Date Prep: 03.15.17 07.20

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/L	03.15.17 18.12	U	1
Toluene	108-88-3	< 0.00150	0.00150		mg/L	03.15.17 18.12	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/L	03.15.17 18.12	U	1
m,p-Xylenes	179601-23-1	< 0.00200	0.00200		mg/L	03.15.17 18.12	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/L	03.15.17 18.12	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/L	03.15.17 18.12	U	1
Total BTEX		< 0.00150	0.00150		mg/L	03.15.17 18.12	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	108	%	80-120	03.15.17 18.12		
4-Bromofluorobenzene		460-00-4	100	%	80-120	03.15.17 18.12		





Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id: MW-3 Matrix: Water Date Received:03.09.17 08.50

Lab Sample Id: 548226-002 Date Collected: 03.08.17 15.02

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: ALJ % Moisture:

Analyst: ALJ Date Prep: 03.15.17 07.20

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/L	03.15.17 20.06	U	1
Toluene	108-88-3	< 0.00150	0.00150		mg/L	03.15.17 20.06	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/L	03.15.17 20.06	U	1
m,p-Xylenes	179601-23-1	< 0.00200	0.00200		mg/L	03.15.17 20.06	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/L	03.15.17 20.06	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/L	03.15.17 20.06	U	1
Total BTEX		< 0.00150	0.00150		mg/L	03.15.17 20.06	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	96	%	80-120	03.15.17 20.06		
4-Bromofluorobenzene		460-00-4	101	%	80-120	03.15.17 20.06		





Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id: MW-4 Matrix: Water Date Received:03.09.17 08.50

Lab Sample Id: 548226-003 Date Collected: 03.08.17 14.08

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: ALJ % Moisture:

Analyst: ALJ Date Prep: 03.15.17 07.20

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/L	03.15.17 18.28	U	1
Toluene	108-88-3	< 0.00150	0.00150		mg/L	03.15.17 18.28	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/L	03.15.17 18.28	U	1
m,p-Xylenes	179601-23-1	< 0.00200	0.00200		mg/L	03.15.17 18.28	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/L	03.15.17 18.28	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/L	03.15.17 18.28	U	1
Total BTEX		< 0.00150	0.00150		mg/L	03.15.17 18.28	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	117	%	80-120	03.15.17 18.28		
4-Bromofluorobenzene		460-00-4	95	%	80-120	03.15.17 18.28		





Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id: MW-5 Matrix: Water Date Received:03.09.17 08.50

Lab Sample Id: 548226-004 Date Collected: 03.08.17 15.49

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: ALJ % Moisture:

Analyst: ALJ Date Prep: 03.15.17 07.20

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/L	03.15.17 20.54	U	1
Toluene	108-88-3	< 0.00150	0.00150		mg/L	03.15.17 20.54	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/L	03.15.17 20.54	U	1
m,p-Xylenes	179601-23-1	< 0.00200	0.00200		mg/L	03.15.17 20.54	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/L	03.15.17 20.54	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/L	03.15.17 20.54	U	1
Total BTEX		< 0.00150	0.00150		mg/L	03.15.17 20.54	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	110	%	80-120	03.15.17 20.54		
4-Bromofluorobenzene		460-00-4	120	%	80-120	03.15.17 20.54		





Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Sample Id: MW-6 Matrix: Water Date Received:03.09.17 08.50

Lab Sample Id: 548226-005 Date Collected: 03.08.17 13.15

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: ALJ % Moisture:

Analyst: ALJ Date Prep: 03.15.17 07.20

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/L	03.15.17 18.44	U	1
Toluene	108-88-3	< 0.00150	0.00150		mg/L	03.15.17 18.44	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/L	03.15.17 18.44	U	1
m,p-Xylenes	179601-23-1	< 0.00200	0.00200		mg/L	03.15.17 18.44	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/L	03.15.17 18.44	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/L	03.15.17 18.44	U	1
Total BTEX		< 0.00150	0.00150		mg/L	03.15.17 18.44	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	112	%	80-120	03.15.17 18.44		
4-Bromofluorobenzene		460-00-4	104	%	80-120	03.15.17 18.44		



Flagging Criteria



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

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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1211 W Florida Ave, Midland, TX 79701 (432) 563-1800 (432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282 (602) 437-0330



QC Summary 548226

Terracon Lubbock

DCP Plant to Lea Station 6" Sec. 31 (SRS#2009-084)

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Seq Number:	3012475	Matrix:	Water	Date Prep:	03.15.17
MB Sample Id:	721564-1-BLK	LCS Sample Id:	721564-1-BKS	LCSD Sample Id:	721564-1-BSD

MB Sample Id:	/21304-1-DLK		LCS Sai	upic ia.	721304-1	-DIXS		LCS	D Sampi	c Iu. 721.	70 4 -1-D5D	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0859	86	0.0890	89	70-125	4	25	mg/L	03.15.17 06:58	
Toluene	< 0.00150	0.100	0.0958	96	0.0930	93	70-125	3	25	mg/L	03.15.17 06:58	
Ethylbenzene	< 0.00200	0.100	0.0910	91	0.0932	93	71-129	2	25	mg/L	03.15.17 06:58	
m,p-Xylenes	< 0.00200	0.200	0.178	89	0.181	91	70-131	2	25	mg/L	03.15.17 06:58	
o-Xylene	< 0.00200	0.100	0.0967	97	0.0938	94	71-133	3	25	mg/L	03.15.17 06:58	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	100		ģ	95		119		80	0-120	%	03.15.17 06:58	
4-Bromofluorobenzen	e 87		Ģ	90		99		80)-120	%	03.15.17 06:58	

Analytical Method:BTEX by EPA 8021BPrep Method:SW5030BSeq Number:3012475Matrix:WaterDate Prep:03.15.17

Parent Sample Id: 548227-005 MS Sample Id: 548227-005 S MSD Sample Id: 548227-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.0917	92	0.0921	92	70-125	0	25	mg/L	03.15.17 08:04
Toluene	< 0.00150	0.100	0.0990	99	0.101	101	70-125	2	25	mg/L	03.15.17 08:04
Ethylbenzene	< 0.00200	0.100	0.0992	99	0.101	101	71-129	2	25	mg/L	03.15.17 08:04
m,p-Xylenes	< 0.00200	0.200	0.194	97	0.196	98	70-131	1	25	mg/L	03.15.17 08:04
o-Xylene	< 0.00200	0.100	0.102	102	0.103	103	71-133	1	25	mg/L	03.15.17 08:04

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		108		80-120	%	03.15.17 08:04
4-Bromofluorobenzene	104		105		80-120	%	03.15.17 08:04

Flag

Watrix Warrier by Laighten by	weinding by language	JUL 00	Relinquished by (Signature)	Relinglished by (Signature)	TURNAROUND TIME				GW 03/08/17	Matrix Date	AR	Project Number	Kimble Thrash	Sampler's Name:	Project Manager: Joel Lowry		Office Location							
VOA - 40 ml vial	WW-Wastewater	1 \ 0./	bes	ire)	IME				1315	1549	1408	1502	1224	Time	AR167322	er		ne:	ger: Joel		n Lubbock			
		1	h	0										Comp					Lowr		ock		1	l
A/G - Ami	W - Water	C	To						×	×	×	×	×	Grab		_			4					ı
A/G - Amber Glass 1L		9/. /	las		Vormal			* * *	MW-6	MW-5	MW-4	MW-3	MW-2		OCP Plan	Project Name						L		١
250 m	S-Soil	2-9-17 Date:	3/9/	Date:	48-			********END						Identify	t to Lea St	lame								l
250 ml = Glass wide mouth		Time:	17 C	Time:	48-Hour Rush			ND OF						ring Marl	tation 6"									l
outh	L - Liquid	00	0819	Sol	1									Identifying Marks of Sample(s)	Sec. 31									
P/O - Plastic or other	A - Air Bag	ve \	Received by	Received by (Signature)	Received by (Signature			COC*******						ple(s)	DCP Plant to Lea Station 6" Sec. 31 (SRS # 2009-084)	(/	Sample	PO/SO #:	Contact:	Phone:		Address:	
rother	0	(Signature)	by/Signature)	(Signature)	Rush			*							9-084)		1	sampler's Signature	Ĭ.	π.		7	Ÿ.	П
	C - Charcoal tube	*	3	leas	1,	\perp								Start Depth				ture		ulian N	132) 5	Midlan	enco L 211 W	
	ube	6	1.60	he	RRP La	\vdash	+						100 1	End Depth		No	1	\		Julian Martinez	(432) 563-1800	Midland, TX 79701	Xenco Laboratories 1211 West Florida	
	SL - Sludge		L'S	Con	borator		+		×	×	×	×	×	40 ml V	JA	. Type o		K)	Z	0	9701	Xenco Laboratories 1211 West Florida Ave.	
	dge	Date: Q	Date:	3 9 Date:	TRRP Laboratory Review Checklist											No. Type of Containers							'n	
	-	Time	+	17 (Checklis									0.000				1		_	_		R Þ	
		880	8:19	0000	ist				ω	ω	ω	ω	ω	BTEX (EPA	A Me	tho	d 80)21B)				REQUESTED	
	Ī			NOTES:																			D	CITAL ST
					Yes											-	-			_				CHAIR OF COSTOR RECORD
		KATH KATH	© ∞	E-M/	No																			100
		RASH	OWR	VIL RESI																				2.00
		TERR/	VOTER	E-MAIL RESULTS TO:											5	7				P	Correct	Temp:).	DUE DATE:	3
	X	& KATHRASH@TERRACON.COM	ACON	NOM T										Lab S	7	1 1			1	Page 1	Corrected Temp: 1.5	Temp: j. \ IR ID:R-8	JNLY	
		M	3											Lab Sample ID	d	الر			1	of 1	1p: 1.5	:R-8		
														D	10				İ	_	-)			
															6					_	_			

Responsive - Resourceful - Reliable



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Terracon Lubbock

Work Order #: 548226

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Date/ Time Received: 03/09/2017 08:50:00 AM

Temperature Measuring device used: R8

Sample R	eceipt Checklist Comments
#1 *Temperature of cooler(s)?	1.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	? N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received	ed? Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custo	ody? Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	N/A
#21 VOC samples have zero headspace?	Yes
#22 <2 for all samples preserved with HNO3,HCL, H2SC samples for the analysis of HEM or HEM-SGT which are analysts.	
#23 > 10 for all samples preserved with NaAsO2+NaOH,	, ZnAc+NaOH? N/A
* Must be completed for after-hours delivery of sample Analyst: PH Dev	les prior to placing in the refrigerator
Checklist completed by: Jess	Date: 03/09/2017 Sica Kramer
Checklist reviewed by: Kels	Date: 03/09/2017 Sey Brooks



Certificate of Analysis Summary 556429

Terracon Lubbock, Lubbock, TX

Project Name: DCP Plant to Lea Station 6" Section 31

Date Received in Lab: Tue Jun-27-17 04:25 pm

Report Date: 03-JUL-17 **Project Manager:** Kelsey Brooks

Project Id: AR167322 Contact: Joel Lowry

Project Location:

	Lab Id:	556429-00)1	556429-002		556429-	003	556429-	004	556429-	005	
Analysis Requested	Field Id:	MW-2	MW-2		MW-3		1	MW-	5	MW-6		
Anaiysis Requesieu	Depth:											
Matrix		WATER		WATE	R	WATER		WATER		WATER		
	Sampled:	Jun-27-17 11	un-27-17 11:15		12:15	Jun-27-17	11:16	Jun-27-17 12:31		Jun-27-17	11:24	
BTEX by EPA 8021B	Extracted:	Jul-01-17 13	ful-01-17 13:00		13:00	Jul-01-17 13:00		Jul-01-17 13:00		Jul-01-17 13:00		
	Analyzed:	Jul-02-17 05	Jul-02-17 05:30		05:57	Jul-02-17 06:24		Jul-02-17 07:45		Jul-02-17 08:12		
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	
Benzene		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	0.00318	0.00106	< 0.00106	0.00106	
Toluene		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	0.00191	0.00106	< 0.00106	0.00106	
Ethylbenzene		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	
m,p-Xylenes		< 0.00212	0.00212	< 0.00212	0.00212	< 0.00212	0.00212	< 0.00212	0.00212	< 0.00212	0.00212	
o-Xylene		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	
Total Xylenes		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	
Total BTEX		< 0.00106	0.00106	< 0.00106	0.00106	< 0.00106	0.00106	0.00509	0.00106	< 0.00106	0.00106	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager

Analytical Report 556429

for Terracon Lubbock

Project Manager: Joel Lowry

DCP Plant to Lea Station 6" Section 31

AR167322

03-JUL-17

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054) Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)

Xenco-San Antonio: Texas (T104704534)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



03-JUL-17

Project Manager: Joel Lowry

Terracon Lubbock 5827 50th st, Suite 1 Lubbock, TX 79424

Reference: XENCO Report No(s): 556429

DCP Plant to Lea Station 6" Section 31

Project Address:

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 556429. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 556429 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Kelsey Brooks

Knus Hoah

Project Manager

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Sample Cross Reference 556429

Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	06-27-17 11:15		556429-001
MW-3	W	06-27-17 12:15		556429-002
MW-4	W	06-27-17 11:16		556429-003
MW-5	W	06-27-17 12:31		556429-004
MW-6	W	06-27-17 11:24		556429-005



CASE NARRATIVE

Client Name: Terracon Lubbock

Project Name: DCP Plant to Lea Station 6" Section 31

Project ID: AR167322 Report Date: 03-JUL-17 Work Order Number(s): 556429 Date Received: 06/27/2017

Sample receipt non conformances and comments:
Sample receipt non conformances and comments per sample:
None



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-2 Matrix: Water Date Received:06.27.17 16.25

Lab Sample Id: 556429-001 Date Collected: 06.27.17 11.15

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MIT % Moisture:

Analyst: MIT Date Prep: 07.01.17 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
Toluene	108-88-3	< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
Ethylbenzene	100-41-4	< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
m,p-Xylenes	179601-23-1	< 0.00212	0.00212		mg/L	07.02.17 05.30	U	1.06
o-Xylene	95-47-6	< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
Total Xylenes	1330-20-7	< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
Total BTEX		< 0.00106	0.00106		mg/L	07.02.17 05.30	U	1.06
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
a,a,a-Trifluorotoluene		98-08-8	99	%	66-120	07.02.17 05.30		
4-Bromofluorobenzene		460-00-4	94	%	67-120	07.02.17 05.30		



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-3 Matrix: Water Date Received:06.27.17 16.25

Lab Sample Id: 556429-002 Date Collected: 06.27.17 12.15

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MIT % Moisture:

Analyst: MIT Date Prep: 07.01.17 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
Toluene	108-88-3	< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
Ethylbenzene	100-41-4	< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
m,p-Xylenes	179601-23-1	< 0.00212	0.00212		mg/L	07.02.17 05.57	U	1.06
o-Xylene	95-47-6	< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
Total Xylenes	1330-20-7	< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
Total BTEX		< 0.00106	0.00106		mg/L	07.02.17 05.57	U	1.06
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
a,a,a-Trifluorotoluene		98-08-8	96	%	66-120	07.02.17 05.57		
4-Bromofluorobenzene		460-00-4	94	%	67-120	07.02.17 05.57		



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-4 Matrix: Water Date Received:06.27.17 16.25

Lab Sample Id: 556429-003 Date Collected: 06.27.17 11.16

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MIT % Moisture:

Analyst: MIT Date Prep: 07.01.17 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
Toluene	108-88-3	< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
Ethylbenzene	100-41-4	< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
m,p-Xylenes	179601-23-1	< 0.00212	0.00212		mg/L	07.02.17 06.24	U	1.06
o-Xylene	95-47-6	< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
Total Xylenes	1330-20-7	< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
Total BTEX		< 0.00106	0.00106		mg/L	07.02.17 06.24	U	1.06
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
a,a,a-Trifluorotoluene		98-08-8	95	%	66-120	07.02.17 06.24		
4-Bromofluorobenzene		460-00-4	96	%	67-120	07.02.17 06.24		



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-5 Matrix: Water Date Received:06.27.17 16.25

Lab Sample Id: 556429-004 Date Collected: 06.27.17 12.31

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MIT % Moisture:

Analyst: MIT Date Prep: 07.01.17 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00318	0.00106		mg/L	07.02.17 07.45		1.06
Toluene	108-88-3	0.00191	0.00106		mg/L	07.02.17 07.45		1.06
Ethylbenzene	100-41-4	< 0.00106	0.00106		mg/L	07.02.17 07.45	U	1.06
m,p-Xylenes	179601-23-1	< 0.00212	0.00212		mg/L	07.02.17 07.45	U	1.06
o-Xylene	95-47-6	< 0.00106	0.00106		mg/L	07.02.17 07.45	U	1.06
Total Xylenes	1330-20-7	< 0.00106	0.00106		mg/L	07.02.17 07.45	U	1.06
Total BTEX		0.00509	0.00106		mg/L	07.02.17 07.45		1.06
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
a,a,a-Trifluorotoluene		98-08-8	95	%	66-120	07.02.17 07.45		
4-Bromofluorobenzene		460-00-4	97	%	67-120	07.02.17 07.45		



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-6 Matrix: Water Date Received:06.27.17 16.25

Lab Sample Id: 556429-005 Date Collected: 06.27.17 11.24

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

Tech: MIT % Moisture:

Analyst: MIT Date Prep: 07.01.17 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
Toluene	108-88-3	< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
Ethylbenzene	100-41-4	< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
m,p-Xylenes	179601-23-1	< 0.00212	0.00212		mg/L	07.02.17 08.12	U	1.06
o-Xylene	95-47-6	< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
Total Xylenes	1330-20-7	< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
Total BTEX		< 0.00106	0.00106		mg/L	07.02.17 08.12	U	1.06
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
a,a,a-Trifluorotoluene		98-08-8	101	%	66-120	07.02.17 08.12		
4-Bromofluorobenzene		460-00-4	97	%	67-120	07.02.17 08.12		



Flagging Criteria

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

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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1211 W Florida Ave, Midland, TX 79701 (432) 563-1800 (432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282 (602) 437-0330

Page 11 of 14 Final 1.000



QC Summary 556429

Terracon Lubbock

DCP Plant to Lea Station 6" Section 31

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B Seq Number: 3021365 Matrix: Water Date Prep: 07.01.17

LCS Sample Id: 727101-1-BKS MB Sample Id: 727101-1-BLK

LCSD Sample Id: 727101-1-BSD Flag

Flag

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00106	0.106	0.105	99	0.103	97	74-120	2	20	mg/L	07.01.17 23:13
Toluene	< 0.00106	0.106	0.106	100	0.106	100	74-120	0	20	mg/L	07.01.17 23:13
Ethylbenzene	< 0.00106	0.106	0.100	94	0.103	97	74-120	3	20	mg/L	07.01.17 23:13
m,p-Xylenes	< 0.00212	0.212	0.202	95	0.209	99	73-120	3	25	mg/L	07.01.17 23:13
o-Xylene	< 0.00106	0.106	0.101	95	0.105	99	73-120	4	25	mg/L	07.01.17 23:13

MB LCSD LCS LCS Units Analysis MB LCSD Limits **Surrogate** Flag Flag Date %Rec Flag %Rec %Rec a,a,a-Trifluorotoluene 99 102 101 07.01.17 23:13 66-120 % 103 97 67-120 % 07.01.17 23:13 4-Bromofluorobenzene 98

Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B

3021365 Seq Number: Matrix: Water Date Prep: 07.01.17 MS Sample Id: 556741-004 S MSD Sample Id: 556741-004 SD Parent Sample Id: 556741-004

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date]
Benzene	< 0.00106	0.106	0.107	101	0.110	104	15-147	3	25	mg/L	07.02.17 01:27	
Toluene	< 0.00106	0.106	0.109	103	0.112	106	11-147	3	25	mg/L	07.02.17 01:27	
Ethylbenzene	< 0.00106	0.106	0.106	100	0.109	103	10-149	3	25	mg/L	07.02.17 01:27	
m,p-Xylenes	< 0.00212	0.212	0.214	101	0.221	104	62-124	3	25	mg/L	07.02.17 01:27	
o-Xylene	< 0.00106	0.106	0.107	101	0.112	106	62-124	5	25	mg/L	07.02.17 01:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	97		99		66-120	%	07.02.17 01:27
4-Bromofluorobenzene	100		101		67-120	%	07.02.17 01:27

3/22 Lab Sample ID Page 1 of 1 TEMP OF COOLER WHEN RECEIVED (°C) joel.lowry@terracon.com erin.loyd@terracon.com 003 Please Email Results to 000 000 0 LAB USE ONLY DUE DATE: cjbryant@paapl.com CHAIN OF CUSTODY RECORD Lubbock Office = 5827 50th Street = Lubbock, Texas 79424 = 806-300-0140 O Yes NOTES: ANALYSIS REQUESTED TRRP Laboratory Review Checklist BTEX (EPA Method 8021B) Responsive Resourceful Reliable NX Type of Containers 1211 W. Florida Ave. Xenco Laboratories Midland, TX 79701 40 V Im 04 m $^{\circ}$ 432-563-1800 SRS 2009-084 Joel Lowry End Depth Sampler's Signature Start Depth Received by (Signature) Received by (Signature) 24-Hour Rush Laboratory: Address: PO/SO #: Contact: Phone: A - Air Bag Identifying Marks of Sample(s) DCP Plant to Lea Station 6" Section 31 L - Liquid 4:25 9-MW MW-3 MW-4 MW-5 48-Hour Rush S - Soil **Project Name** A/G - Amber Glass 1L Normal Joel Lowry Joel Lowry W - Water Grab Comp Office Location Lubbock WW-Wastewater VOA - 40 ml vial Time 12:31 11:24 11:15 12:15 11:16 AR167322 **TURNAROUND TIME** nquished by (Signature) elinquished by (Signature) Sampler's Name Project Manager Project Number 6/27/2017 6/27/2017 6/27/2017 6/27/2017 6/27/2017 Date Container Matrix ΘW Ø₩ QW 98 98 Matrix



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Terracon Lubbock

Date/ Time Received: 06/27/2017 04:25:00 PM

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Work Order #: 556429

Temperature Measuring device used: IR-3

	Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?		2.2
#2 *Shipping container in good condition	1?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seal present on shipping co	ontainer/ cooler?	N/A
#5 *Custody Seals intact on shipping con	ntainer/ cooler?	N/A
#6 Custody Seals intact on sample bottle	es?	N/A
#7 *Custody Seals Signed and dated?		N/A
#8 *Chain of Custody present?		Yes
#9 Sample instructions complete on Cha	nin of Custody?	Yes
#10 Any missing/extra samples?		No
#11 Chain of Custody signed when reline	quished/ received?	Yes
#12 Chain of Custody agrees with samp	le label(s)?	Yes
#13 Container label(s) legible and intact	?	Yes
#14 Sample matrix/ properties agree with	h Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	?	Yes
#16 Samples properly preserved?		Yes
#17 Sample container(s) intact?		Yes
#18 Sufficient sample amount for indicat	ed test(s)?	Yes
#19 All samples received within hold time	e?	Yes
#20 Subcontract of sample(s)?		No
#21 VOC samples have zero headspace	?	Yes
* Must be completed for after-hours de Analyst:	elivery of samples prior to placing in PH Device/Lot#:	the refrigerator
Checklist completed by: Checklist reviewed by:	Brenda Ward Brenda Ward	Date: <u>06/28/2017</u>
Checklist reviewed by:	Mmy Hoah Kelsey Brooks	Date: 06/28/2017

Analytical Report 563581

for Terracon Lubbock

Project Manager: Kris Williams

DCP Plant to Lea Station 6" Section 31

AR167322

25-SEP-17

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054) Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)

Xenco-San Antonio: Texas (T104704534)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



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25-SEP-17

Project Manager: Kris Williams

Terracon Lubbock 5827 50th st, Suite 1 Lubbock, TX 79424

Reference: XENCO Report No(s): **563581**

DCP Plant to Lea Station 6" Section 31

Project Address:

Kris Williams:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 563581. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 563581 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Kelsey Brooks

Knus Hoah

Project Manager

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Sample Cross Reference 563581

Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	09-21-17 14:25		563581-001
MW-3	W	09-21-17 11:25		563581-002
MW-4	W	09-21-17 11:50		563581-003
MW-5	W	09-21-17 13:00		563581-004
MW-6	\mathbf{W}	09-21-17 13:45		563581-005



CASE NARRATIVE

Client Name: Terracon Lubbock

Project Name: DCP Plant to Lea Station 6" Section 31

Project ID: AR167322 Report Date: 25-SEP-17 Work Order Number(s): 563581 Date Received: 09/22/2017

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-2 Matrix: Water Sample Depth:

Lab Sample Id: 563581-001 Date Collected: 09.21.17 14.25 Date Received: 09.22.17 09.34

Analytical Method: BTEX by EPA 8021B

4-Bromofluorobenzene

Prep Method: 5030B

MIT

Analyst: MIT % Moist: Tech:

Seq Number: 3028531 Date Prep: 09.22.17 11.30

Prep seq: 731379

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000480	0.00100	0.000480	mg/L	09.22.17 21:21	U	1
Toluene	108-88-3	< 0.000512	0.00100	0.000512	mg/L	09.22.17 21:21	U	1
Ethylbenzene	100-41-4	< 0.000616	0.00100	0.000616	mg/L	09.22.17 21:21	U	1
m,p-Xylenes	179601-23-1	< 0.000454	0.00200	0.000454	mg/L	09.22.17 21:21	U	1
o-Xylene	95-47-6	< 0.000270	0.00100	0.000270	mg/L	09.22.17 21:21	U	1
Total Xylenes	1330-20-7	< 0.000270		0.000270	mg/L	09.22.17 21:21	U	
Total BTEX		< 0.000270		0.000270	mg/L	09.22.17 21:21	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	92	66 - 120	%		
4-Bromofluorobenzene	94	67 - 120	%		

Sample Id: MW-3 Matrix: Water Sample Depth:

Lab Sample Id: 563581-002 Date Collected: 09.21.17 11.25 Date Received: 09.22.17 09.34

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3028531 Date Prep: 09.22.17 11.30

Prep seq: 731379

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000480	0.00100	0.000480	mg/L	09.22.17 21:47	U	1
Toluene	108-88-3	< 0.000512	0.00100	0.000512	mg/L	09.22.17 21:47	U	1
Ethylbenzene	100-41-4	< 0.000616	0.00100	0.000616	mg/L	09.22.17 21:47	U	1
m,p-Xylenes	179601-23-1	< 0.000454	0.00200	0.000454	mg/L	09.22.17 21:47	U	1
o-Xylene	95-47-6	< 0.000270	0.00100	0.000270	mg/L	09.22.17 21:47	U	1
Total Xylenes	1330-20-7	< 0.000270		0.000270	mg/L	09.22.17 21:47	U	
Total BTEX		< 0.000270		0.000270	mg/L	09.22.17 21:47	U	
Surrogate		% Recovery		Limits	Un	its Analysis	Date	Flag
a,a,a-Trifluorotoluene		87		66 - 1	120 %	ó		

86

67 - 120



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-4 Matrix: Water Sample Depth:

Lab Sample Id: 563581-003 Date Collected: 09.21.17 11.50 Date Received: 09.22.17 09.34

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: MIT % Moist:

Tech: MIT

Seq Number: 3028531 Date Prep: 09.22.17 11.30

Prep seq: 731379

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000480	0.00100	0.000480	mg/L	09.22.17 23:09	U	1
Toluene	108-88-3	< 0.000512	0.00100	0.000512	mg/L	09.22.17 23:09	U	1
Ethylbenzene	100-41-4	< 0.000616	0.00100	0.000616	mg/L	09.22.17 23:09	U	1
m,p-Xylenes	179601-23-1	< 0.000454	0.00200	0.000454	mg/L	09.22.17 23:09	U	1
o-Xylene	95-47-6	< 0.000270	0.00100	0.000270	mg/L	09.22.17 23:09	U	1
Total Xylenes	1330-20-7	< 0.000270		0.000270	mg/L	09.22.17 23:09	U	
Total BTEX		< 0.000270		0.000270	mg/L	09.22.17 23:09	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	91	66 - 120	%		
4-Bromofluorobenzene	90	67 - 120	%		

Sample Id: MW-5 Matrix: Water Sample Depth:

Lab Sample Id: 563581-004 Date Collected: 09.21.17 13.00 Date Received: 09.22.17 09.34

Analytical Method: BTEX by EPA 8021B Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3028531 Date Prep: 09.22.17 11.30

Prep seq: 731379

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000480	0.00100	0.000480	mg/L	09.22.17 23:36	U	1
Toluene	108-88-3	< 0.000512	0.00100	0.000512	mg/L	09.22.17 23:36	U	1
Ethylbenzene	100-41-4	< 0.000616	0.00100	0.000616	mg/L	09.22.17 23:36	U	1
m,p-Xylenes	179601-23-1	< 0.000454	0.00200	0.000454	mg/L	09.22.17 23:36	U	1
o-Xylene	95-47-6	< 0.000270	0.00100	0.000270	mg/L	09.22.17 23:36	U	1
Total Xylenes	1330-20-7	< 0.000270		0.000270	mg/L	09.22.17 23:36	U	
Total BTEX		< 0.000270		0.000270	mg/L	09.22.17 23:36	U	
Surrogate		% Recovery		Limits	Un	its Analysis	Date	Flag

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	93	66 - 120	%		
4-Bromofluorobenzene	95	67 - 120	%		



Terracon Lubbock, Lubbock, TX

DCP Plant to Lea Station 6" Section 31

Sample Id: MW-6 Matrix: Water Sample Depth:

Lab Sample Id: 563581-005 Date Collected: 09.21.17 13.45 Date Received: 09.22.17 09.34

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028531

Prep Method: 5030B

MIT

Analyst: MIT % Moist: Tech:

Date Prep: 09.22.17 11.30

Prep seq: 731379

Parameter	CAS Number	Result			Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000480	0.00100	0.000480	mg/L	09.23.17 00:03	U	1
Toluene	108-88-3	< 0.000512	0.00100	0.000512	mg/L	09.23.17 00:03	U	1
Ethylbenzene	100-41-4	< 0.000616	0.00100	0.000616	mg/L	09.23.17 00:03	U	1
m,p-Xylenes	179601-23-1	< 0.000454	0.00200	0.000454	mg/L	09.23.17 00:03	U	1
o-Xylene	95-47-6	< 0.000270	0.00100	0.000270	mg/L	09.23.17 00:03	U	1
Total Xylenes	1330-20-7	< 0.000270		0.000270	mg/L	09.23.17 00:03	U	
Total BTEX		< 0.000270		0.000270	mg/L	09.23.17 00:03	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	92	66 - 120	%		
4-Bromofluorobenzene	95	67 - 120	%		



Flagging Criteria

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

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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 (602) 437-0330

Page 9 of 14 Final 1.000



Form 2 - Surrogate Recoveries

Project Name: DCP Plant to Lea Station 6" Section 31

Work Orders: 563581, **Project ID:** AR167322

Lab Batch #: 3028531 Sample: 731379-1-BKS / BKS Batch: 1 Matrix: Water

Units: mg/L Date Analyzed: 09/22/17 13:39	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
a,a,a-Trifluorotoluene	0.0914	0.100	91	66-120				
4-Bromofluorobenzene	0.0874	0.100	87	67-120				

Units: mg/L Date Analyzed: 09/22/17 14:35	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
a,a,a-Trifluorotoluene	0.0901	0.100	90	66-120				
4-Bromofluorobenzene	0.0872	0.100	87	67-120				

Units: mg/L Date Analyzed: 09/22/17 15:56	SURROGATE RECOVERY STUDY								
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
a,a,a-Trifluorotoluene	0.0912	0.100	91	66-120					
4-Bromofluorobenzene	0.0888	0.100	89	67-120					

Units: mg/L Date Analyzed: 09/22/17 17:17	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags			
Analytes			[D]					
a,a,a-Trifluorotoluene	0.0920	0.100	92	66-120				
4-Bromofluorobenzene	0.0960	0.100	96	67-120				

Lab Batch #: 3028531 **Sample:** 563393-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L Date Analyzed: 09/22/17 17:44	ng/L Date Analyzed: 09/22/17 17:44 SURROGATE RECOVERY STUDY								
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags				
Analytes			[D]						
a,a,a-Trifluorotoluene	0.0944	0.100	94	66-120					
4-Bromofluorobenzene	0.0950	0.100	95	67-120					

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

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

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries

Project Name: DCP Plant to Lea Station 6" Section 31

Work Order #: 563581 Project ID: AR167322

Analyst: MIT Date Prepared: 09/22/2017 Date Analyzed: 09/22/2017

 Lab Batch ID: 3028531
 Sample: 731379-1-BKS
 Batch #: 1
 Matrix: Water

Units: mg/L BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.0944	0.100	0.0944	94	0.100	0.0931	93	1	74-120	20	
Toluene	0.0938	0.100	0.0938	94	0.100	0.0918	92	2	74-120	20	
Ethylbenzene	0.0893	0.100	0.0893	89	0.100	0.0866	87	3	74-120	20	
m,p-Xylenes	0.179	0.200	0.179	90	0.200	0.174	87	3	73-120	25	
o-Xylene	0.0880	0.100	0.0880	88	0.100	0.0859	86	2	73-120	25	

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



Form 3 - MS / MSD Recoveries

Project Name: DCP Plant to Lea Station 6" Section 31

Work Order #: 563581 **Project ID:** AR167322

Lab Batch ID: 3028531 **QC- Sample ID:** 563393-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09/22/2017 **Date Prepared:** 09/22/2017 **Analyst:** MIT

Reporting Units: mg/L MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	[A]	[B]		[D]	[E]	Kesuit [F]	[G]	70	/0K	70KI D	
Benzene	< 0.000480	0.100	0.0937	94	0.100	0.0959	96	2	15-147	25	
Toluene	< 0.000512	0.100	0.0932	93	0.100	0.0958	96	3	11-147	25	
Ethylbenzene	< 0.000616	0.100	0.0927	93	0.100	0.0928	93	0	10-149	25	
m,p-Xylenes	< 0.000454	0.200	0.185	93	0.200	0.183	92	1	62-124	25	
o-Xylene	< 0.000270	0.100	0.0919	92	0.100	0.0911	91	1	62-124	25	

563581

				laboratory.	Youro		CHAIN OF COSIODT RECORD	ЕСОКИ	
ain.					6701 Aberdeen	REQU	ANALYSIS REQUESTED	LAB USE ONLY DUE DATE:	R3 34
				_	Lubbock, Texas 79424			TEMP OF COOLER	N V
Office Location		Lubbock		Phone:				WHEN RECEIVED (C)	0
Project Manager		Kris Williams	8	Contact:				Page	of
Sampler's Name		Zach Conder	Je.	Sampler's Signature	ture	(120			
Project Number	- L		Project Name		No. Type of Containers	T			
	AK16/322		DCP Plant to Lea Station 6" Section 31 (SRS# 2009-084)	n 31 (SRS# 2009-(∍M.			
Matrin Date	Time	Comp	က် O O O		tart Depth	Ачэ) хэт			
GW 9/21/2017	14:25		X MW-2		3	8 >		Lab Sa	Lab Sample ID
GW 9/21/2017	11:25	^	X MW-3) m	< >		1	
GW 9/21/2017	11:50		X MW-4) «	< >		76	
GW 9/21/2017	13:00	^	X MW-5			< ;		2	
GW 9/21/2017	13:45	~	X WW-6		2 0	× ;		7-1	
		-							
		-							
TURNAROUND TIME	E		Normal 18-Hour Buch	24 House Bush					
Relinquished by (Signature)			Date OTHER	Received by (Signature)	I KKP Laboratory Keview Checklist	Checklist	NOTES: Direct bill	No Direct bill to Plains Pipelipe	
Relinquished by (Signature)		1		Received by (Signature)	Date:	Time:	e-mail results to:		
Relinquished by (Signature)			Date: Time: Re	Received by (Signature)	Date:	Time:	erin.loyd@terracon.com kcwilliams@terracon.com	<u>racon.com</u>	
Relinquished by (Signature)			De 1921 F mes 34 ne	Received (Signatule)	14 H	D. T.	Zach.conder@terracon.com	erracon.com	
Matrix WA Container VOA	WW-Wastewater VOA - 40 ml vial	W - Water A/G - Amb	S - Soil L- Liquid er Glass 11 250 ml = Glass wide mouth	A - Air Bag C - Char P/O - Plastic or other	C - Charcoal tube St Sludge	?			
			Lubbock Office = 5827 50th	5827 50th Street, Suite 1	1 = Lubbock, Texas 79424	18	806-300-0140		
			Resp	nonsive Res	Responsive Resourceful Reliable				



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Terracon Lubbock

Date/ Time Received: 09/22/2017 09:34:00 AM

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Work Order #: 563581

Temperature Measuring device used: IR-3

	Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?		3.3
#2 *Shipping container in good condition	?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seals intact on shipping cor	ntainer/ cooler?	N/A
#5 Custody Seals intact on sample bottle	es?	N/A
#6*Custody Seals Signed and dated?		N/A
#7 *Chain of Custody present?		Yes
#8 Any missing/extra samples?		No
#9 Chain of Custody signed when relinqu	uished/ received?	Yes
#10 Chain of Custody agrees with sampl	e labels/matrix?	Yes
#11 Container label(s) legible and intact	?	Yes
#12 Samples in proper container/ bottle?	•	Yes
#13 Samples properly preserved?		Yes
#14 Sample container(s) intact?		Yes
#15 Sufficient sample amount for indicat	ed test(s)?	Yes
#16 All samples received within hold time	e?	Yes
#17 Subcontract of sample(s)?		No
#18 Water VOC samples have zero head	dspace?	Yes
* Must be completed for after-hours de Analyst:	livery of samples prior to placing in PH Device/Lot#:	the refrigerator
Checklist completed by:		Date: 09/22/2017
Checklist reviewed by:	Mms Hoah Kelsey Brooks	Date: 09/22/2017

Analytical Report 568793

for Terracon Lubbock

Project Manager: Kris Williams
DCP Section 31(SRS # 2009-084)
AR167322
28-NOV-17

Collected By: Client



6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122): Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



28-NOV-17

Project Manager: Kris Williams

Terracon Lubbock 5827 50th st, Suite 1 Lubbock, TX 79424

Reference: XENCO Report No(s): 568793

DCP Section 31(SRS # 2009-084)

Project Address:

Kris Williams:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 568793. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 568793 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Mike Kimmel

Client Services Manager

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Sample Cross Reference 568793

Terracon Lubbock, Lubbock, TX

DCP Section 31(SRS # 2009-084)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	11-14-17 13:14		568793-001
MW-3	W	11-14-17 13:35		568793-002
MW-4	W	11-14-17 14:15		568793-003
MW-5	W	11-14-17 13:27		568793-004
MW-6	W	11-14-17 13:55		568793-005

Version: 1.%



CASE NARRATIVE

Client Name: Terracon Lubbock

Project Name: DCP Section 31(SRS # 2009-084)

Project ID: AR167322 Report Date: 28-NOV-17 Work Order Number(s): 568793 Date Received: 11/17/2017

Sample receipt non conformances and comments:
Sample receipt non conformances and comments per sample:
None



Kris Williams

Certificate of Analysis Summary 568793

Terracon Lubbock, Lubbock, TX

Date Received in Lab: Fri Nov-17-17 10:12 am

Report Date: 28-NOV-17 Project Manager: Kelsey Brooks

Project Name: DCP Section 31(SRS # 2009-084)

Project Location:

Project Id:

Contact:

	Lab Id:	568793-	001	568793-	002	568793-0	003	568793-	004	568793-0	005	
Analysis Requested	Field Id:	MW-2	2	MW-3	3	MW-4	1	MW-	5	MW-6	5	
Anatysis Requesieu	Depth:											
	Matrix:	GROUND V	VATER	GROUND V	VATER	GROUND W	/ATER	GROUND V	VATER	GROUND V	VATER	
	Sampled:	Nov-14-17	13:14	Nov-14-17	13:35	Nov-14-17	14:15	Nov-14-17	13:27	Nov-14-17	13:55	
BTEX by EPA 8021	Extracted:	Nov-17-17	12:30	Nov-17-17	15:00	Nov-17-17	15:00	Nov-17-17	15:00	Nov-17-17	15:00	
	Analyzed:	Nov-17-17	13:24	Nov-17-17	16:53	Nov-17-17	17:19	Nov-17-17	17:46	Nov-17-17	18:14	
	Units/RL:	mg/L	RL									
Benzene		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	
Toluene		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	
Ethylbenzene		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	
m_p-Xylenes		< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00200	0.00200	
o-Xylene		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	
Xylenes, Total		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	
Total BTEX		< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	< 0.00100	0.00100	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Version: 1.%

Mike Kimmel Client Services Manager



Flagging Criteria

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

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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5332 Blackberry Drive, San Antonio TX 78238 (210) 509-3334 (210) 509-3335
1211 W Florida Ave, Midland, TX 79701 (432) 563-1800 (432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282 (602) 437-0330

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Form 2 - Surrogate Recoveries

Project Name: DCP Section 31(SRS # 2009-084)

 Work Orders: 568793,
 Project ID: AR167322

 Lab Batch #: 3033698
 Sample: 568793-001 / SMP
 Batch: 1
 Matrix: Ground Water

Units:	mg/L	Date Analyzed: 11/17/17 13:24	SURROGATE RECOVERY STUDY						
	ВТ	EX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
a,a,a-Trifluo	orotoluene		0.0961	0.100	96	66-120			
4-Bromoflu	orobenzene		0.0985	0.100	99	67-120			

Lab Batch #: 3033698 Sample: 568793-002 / SMP Batch: 1 Matrix: Ground Water

Units:	mg/L	Date Analyzed: 11/1//1/ 16:53	SURROGATE RECOVERY STUDY						
	ВТ	EX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
		Analytes			[D]				
a,a,a-Triflu	ıorotoluene		0.0965	0.100	97	66-120			
4-Bromoflu	uorobenzene		0.101	0.100	101	67-120			

Lab Batch #: 3033698 Sample: 568793-003 / SMP Batch: 1 Matrix: Ground Water

Units: mg/L Date Analyzed: 11/17/17 17:19 SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0963	0.100	96	66-120	
4-Bromofluorobenzene	0.0954	0.100	95	67-120	

Units:	mg/L	Date Analyzed: 11/17/17 17:46	SU	RROGATE RE	ECOVERY S	STUDY	
	ВТ	EX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluo	rotoluene		0.0946	0.100	95	66-120	
4-Bromofluo	orobenzene		0.0954	0.100	95	67-120	

Lab Batch #: 3033698 Sample: 568793-005 / SMP Batch: 1 Matrix: Ground Water

Units:	mg/L	Date Analyzed: 11/17/17/18:14	SURROGATE RECOVERY STUDY					
	BTEX	by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	A	analytes			[D]			
a,a,a-Trifluo	orotoluene		0.0969	0.100	97	66-120		
4-Bromofluorobenzene			0.0965	0.100	97	67-120		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

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

Version: 1.%

Final 1.000

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: DCP Section 31(SRS # 2009-084)

Units: mg/L Date Analyzed: 11/17/17 11:53 SUPPOCATE DECOVERY STUDY

omes. Ingle Date Analyzed. 11/17/17 11.55	S U.	KKUGATE KE	LCOVERY	STUDY	
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
a,a,a-Trifluorotoluene	0.0958	0.100	96	66-120	
4-Bromofluorobenzene	0.0962	0.100	96	67-120	

Units: mg/L **Date Analyzed:** 11/17/17 10:32 SURROGATE RECOVERY STUDY **Amount** True Control BTEX by EPA 8021 Found Limits Amount Recovery Flags [A] [B] %R %R [D] **Analytes** a,a,a-Trifluorotoluene 0.0978 0.100 98 66-120 4-Bromofluorobenzene 0.0983 0.100 67-120 98

Units: mg/L Date Analyzed: 11/17/17 10:59 SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0934	0.100	93	66-120	
4-Bromofluorobenzene	0.0958	0.100	96	67-120	

Units:	mg/L	Date Analyzed: 11/17/17 13:51	SU	RROGATE RE	ECOVERY S	STUDY	
	ВТ	EX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluor	rotoluene		0.0942	0.100	94	66-120	
4-Bromofluo	robenzene		0.0957	0.100	96	67-120	

Lab Batch #: 3033698 Sample: 568793-001 SD / MSD Batch: 1 Matrix: Ground Water

Units:	mg/L	Date Analyzed: 11/17/17/14:18	SURROGATE RECOVERY STUDY					
	BTE	X by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
		Analytes			[D]			
a,a,a-Triflu	iorotoluene		0.0981	0.100	98	66-120		
4-Bromoflu	uorobenzene		0.0991	0.100	99	67-120		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

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

Version: 1.%

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries

Project Name: DCP Section 31(SRS # 2009-084)

Work Order #: 568793 **Project ID:** AR167322

Analyst: MIT Date Prepared: 11/17/2017 Date Analyzed: 11/17/2017

Lab Batch ID: 3033698 **Sample:** 7634610-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
Benzene	< 0.00100	0.100	0.103	103	0.100	0.0992	99	4	74-120	20	
Toluene	< 0.00100	0.100	0.102	102	0.100	0.0964	96	6	74-120	20	
Ethylbenzene	< 0.00100	0.100	0.106	106	0.100	0.100	100	6	74-120	20	
m_p-Xylenes	< 0.00200	0.200	0.212	106	0.200	0.201	101	5	73-120	25	
o-Xylene	< 0.00100	0.100	0.105	105	0.100	0.101	101	4	73-120	25	

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



Form 3 - MS / MSD Recoveries

Project Name: DCP Section 31(SRS # 2009-084)

Work Order #: 568793 **Project ID:** AR167322

Lab Batch ID: 3033698 QC- Sample ID: 568793-001 S Batch #: 1 Matrix: Ground Water

Date Analyzed: 11/17/2017 Date Prepared: 11/17/2017 Analyst: MIT

Reporting Units: mg/L MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.0998	100	0.100	0.105	105	5	15-147	25	
Toluene	<0.00100	0.100	0.0955	96	0.100	0.102	102	7	11-147	25	
Ethylbenzene	< 0.00100	0.100	0.0996	100	0.100	0.106	106	6	10-149	25	
m_p-Xylenes	<0.00200	0.200	0.200	100	0.200	0.212	106	6	62-124	25	
o-Xylene	< 0.00100	0.100	0.101	101	0.100	0.106	106	5	62-124	25	

568793 Lab Sample 1D οŧ WHEN RECEIVED (°C) 3 ナ Page_ TEMP OF COOLER LAB USE ONL' DUE DATE: zach.conder@terracon.com kcwilliams@terracon.com CHAIN OF CUSTODY RECORD 2 0 e-mail results to: Lubbock Office ■ 5827 50th Street, Suite 1 ■ Lubbock, Texas 79424 ■ 806-300-0140 □ Yes NOTES: REQUESTED ANALYSIS BTEX (EPA Method 8021B) × × × × TRRP Laboratory Review Checklist ゼロ フロ フロ No. Type of Containers Responsive - Resourceful - Reliable Lubbock, Texas 79424 SRS# 2009-084 AOV Im 04 6701 Aberdeen m m ന m m End Depth Xenco Sampler's Signature Laboratory: Address: ceived by (Signature) ☐ 24-Hour Rush PO/SO #: DCP Section 31 (SRS# 2009-084) Contact: Phone: A - Air Bag Identifying Marks of Sample(s) L - Liquid MW-2 MW-4 MW-5 MW-3 9-MM 250 ml = Glass wide mouth ☐ 48-Hour Rush S - Soil Project Name Normal A/G - Amber Glass 1L W - Water Grab × × Zach Conder × × Kris Williams dwoo Lubbock Time 13:14 14:15 AR167322 13:35 13:27 13:55 WW-Wastewater VOA - 40 ml vial Project Manager Sampler's Name Office Location Project Number URNAROUND TIME shed by (Signature) linquished by (Signature) inquished by (Signature) 11/15/2017 11/15/2017 11/15/2017 11/14/2017 11/15/2017 Date δW GW <u>%</u> 8€ 88 Matrix



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In

Client: Terracon Lubbock

Date/ Time Received: 11/17/2017 10:12:00 AM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Work Order #: 568793

Temperature Measuring device used: IR-3

	Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?		3.1
#2 *Shipping container in good condition	?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seals intact on shipping cor	ntainer/ cooler?	No
#5 Custody Seals intact on sample bottle	es?	N/A
#6*Custody Seals Signed and dated?		N/A
#7 *Chain of Custody present?		Yes
#8 Any missing/extra samples?		No
#9 Chain of Custody signed when relinqu	uished/ received?	Yes
#10 Chain of Custody agrees with sampl		Yes
#11 Container label(s) legible and intact?		Yes
#12 Samples in proper container/ bottle?		Yes
#13 Samples properly preserved?		Yes
#14 Sample container(s) intact?		Yes
#15 Sufficient sample amount for indicate	ed test(s)?	Yes
#16 All samples received within hold time	e?	Yes
#17 Subcontract of sample(s)?		No
#18 Water VOC samples have zero head	dspace?	Yes
* Must be completed for after-hours de Analyst:	livery of samples prior to placing in PH Device/Lot#:	the refrigerator
Checklist completed by: Checklist reviewed by:	Brenda Ward Mike Kimmel	Date: 11/17/2017 Date: 11/20/2017

APPENDIX D

Table 3 – Historical Quarterly Groundwater Elevation and PSH Thickness Data
Table 4 – Historical Groundwater Analytical Summary - BTEX
Table 5 – Historical Groundwater Analytical Summary - PAHs

TABLE 3 2017 ANNUAL REPORT

HISTORIC QUARTERLY GROUNDWATER ELEVATION AND PSH THICKNESS DATA DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO

PLAINS SRS #: 2009-084 NMOCD REFERENCE #: 1RP-2166

TERRACON PROJECT #: AR187004

WELL NUMBER			DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION		
	09/29/09	3,539.59	69.82	69.83	0.01	3,469.77	
	12/10/09	3,539.59	69.51	71.41	1.90	3,469.80	
	2/3/2012	3,539.59	79.55	83.00	3.45	3,459.52	
	5/1/2012	3,539.59	78.46	83.00	4.54	3,460.45	
	8/20/2012	3,539.59	78.50	82.95	4.45	3,460.42	
	11/9/2012	3,539.59	*	*	*	*	
	2/5/2013	3,539.59	79.95	82.80	2.85	3,459.21	
	5/30/2013	3,539.59	83.64	86.23	2.59	3,455.56	
	8/5/2013	3,539.59	*	*	*	*	
	11/13/2013	3,539.59	*	*	*	*	
MW-1	02/14/2014	3,539.59	82.68	86.32	3.64	3,456.36	
10100-1	05/08/2014	3,539.59	*	*	*	*	
	08/05/2014	3,539.59	82.68	85.77	3.09	3,456.45	
	11/07/2014	3,539.59	*	*	*	*	
	02/19/2015	3,539.59	83.39	86.32	2.93	3,455.76	
	05/06/2015	3,539.59	83.57	84.07	0.50	3,455.95	
	08/20/2015	3,539.59	83.67	86.19	2.52	3,455.54	
	11/19/2015	3,539.59	83.43	86.00	2.57	3,455.77	
	02/10/2016	3,539.59	*	*	*	*	
	05/03/2016	3,539.59	*	*	*	*	
	08/04/2016	3,539.59	*	*	*	*	
	12/22/2016	3,539.59	83.05	86.01	2.96	3,456.10	
	09/29/09	3,539.39		82.26		3,457.13	
	12/10/09	3,539.39	<u> </u>	82.36		3,457.03	
	2/3/2012	3,539.37	-	81.00	-	3,458.37	
	5/1/2012	3,539.37	-	82.60		3,456.77	
	8/20/2012	3,539.37		82.75		3,456.62	
	11/9/2012	3,539.37	-	82.76		3,456.61	
	2/5/2013	3,539.37	_	82.75	_	3,456.62	
	5/30/2013	3,539.37	-	82.90	_	3,456.47	
	8/5/2013	3,539.37	_	82.91	_	3,456.46	
	11/13/2013	3,539.37		82.89		3,456.48	
	02/14/2014	3,539.37	-	82.92		3,456.45	
MW-2	05/08/2014	3,539.37	-	82.93		3,456.44	
	08/05/2014	3,539.37	_	82.97		3,456.40	
	11/07/2014	3.539.37	-	83.02		3.456.35	
	02/19/2015	3.539.37	-	83.04	-	3,456.33	
	05/06/2015	3.539.37	-	83.03		3,456.34	
	08/14/2015	3,539.37		82.73		3,456.64	
	11/19/2015	3,539.37		83.10		3,456.27	
	02/10/2016	3,539.37	-	83.10	-	3,456.27	
	05/03/2016	3,539.37	_	83.10		3,456.27	
	08/04/2016	3,539.37		83.08		3,456.29	
	12/22/2016	3,539.37	<u> </u>	83.21		3,456.16	
	12/22/2010	0,000.01	_	00.21	_	5,750.10	

TABLE 3 2017 ANNUAL REPORT

HISTORIC QUARTERLY GROUNDWATER ELEVATION AND PSH THICKNESS DATA DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO

PLAINS SRS #: 2009-084 NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	09/29/09	3,539.31	-	82.54	-	3,456.77
	12/10/09	3,539.31	-	82.67	-	3,456.64
	2/3/2012	3,539.28	-	83.00	-	3,456.28
	5/1/2012	3,539.28	-	83.00	-	3,456.28
	8/20/2012	3,539.28	-	83.06	-	3,456.22
	11/9/2012	3,539.28	-	83.01	-	3,456.27
	2/5/2013	3,539.28	-	83.08	-	3,456.20
	5/30/2013	3,539.28	-	83.21	-	3,456.07
	8/5/2013	3,539.28	-	83.20	-	3,456.08
	11/13/2013	3,539.28	-	83.24	-	3,456.04
MW-3	02/14/2014	3,539.28	-	83.31	-	3,455.97
10100-0	05/08/2014	3,539.28	-	83.26	-	3,456.02
	08/05/2014	3,539.28	-	83.31	-	3,455.97
	11/07/2014	3,539.28	-	83.39	-	3,455.89
	02/19/2015	3,539.28	-	83.34	-	3,455.94
	05/06/2015	3,539.28	-	83.35	-	3,455.93
	08/14/2015	3,539.28	-	83.29	-	3,455.99
	11/19/2015	3,539.28	-	83.43	-	3,455.85
	02/10/2016	3,539.28	•	83.48	1	3,455.80
	05/03/2016	3,539.28	•	83.45	1	3,455.83
	08/04/2016	3,539.28	•	83.44	1	3,455.84
	12/22/2016	3,539.28	-	83.51	-	3,455.77
	09/29/09	3,540.12	-	83.58	-	3,456.54
	12/10/09	3,540.12	-	84.68	-	3,455.44
	2/3/2012	3,540.07	-	84.05	-	3,456.02
	5/1/2012	3,540.07	-	83.93	-	3,456.14
	8/20/2012	3,540.07	-	84.11	-	3,455.96
	11/9/2012	3,540.07	-	83.99	-	3,456.08
	2/5/2013	3,540.07	-	84.13	-	3,455.94
	5/30/2013	3,540.07	-	84.28	-	3,455.79
	8/5/2013	3,540.07	-	84.25	-	3,455.82
	11/13/2013	3,540.07	-	84.29	-	3,455.78
MW-4	02/14/2014	3,540.07	-	84.33	-	3,455.74
	05/08/2014	3,540.07	-	84.32	-	3,455.75
	08/05/2014	3,540.07	-	84.34	-	3,455.73
	11/07/2014	3,540.07	-	84.46	-	3,455.61
	02/19/2015	3,540.07	-	84.41	-	3,455.66
	05/06/2015	3,540.07	-	84.40	-	3,455.67
	08/14/2015	3,540.07	-	84.34	-	3,455.73
	11/19/2015	3,540.07	-	84.50	-	3,455.57
	02/10/2016	3,540.07	-	84.50	-	3,455.57
	05/03/2016	3,540.07	-	84.47	-	3,455.60
	08/04/2016	3,540.07	-	84.48	-	3,455.59
	12/22/2016	3,540.07	-	84.54	-	3,455.53

TABLE 3 2017 ANNUAL REPORT

HISTORIC QUARTERLY GROUNDWATER ELEVATION AND PSH THICKNESS DATA DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO

PLAINS SRS #: 2009-084 NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	2/3/2012	3,539.90		83.60		3,456.30
	5/1/2012	3,539.90		83.75		3,456.15
	8/20/2012	3,539.90		83.68		3,456.22
	11/9/2012	3,539.90		83.72		3,456.18
	2/5/2013	3,539.90	-	83.80	-	3,456.10
	5/30/2013	3,539.90	-	83.89	-	3,456.01
	8/5/2013	3,539.90	-	83.85	-	3,456.05
	11/13/2013	3,539.90	-	83.90	-	3,456.00
	02/14/2014	3,539.90	-	83.95	-	3,455.95
MW-5	05/08/2014	3,539.90	-	83.94	-	3,455.96
10100-5	08/05/2014	3,539.90	-	84.00	-	3,455.90
	11/07/2014	3,539.90	-	84.00	-	3,455.90
	02/19/2015	3,539.90	-	84.02	-	3,455.88
	05/06/2015	3,539.90	-	84.04	-	3,455.86
	08/14/2015	3,539.90	-	84.00	-	3,455.90
	11/19/2015	3,539.90	-	84.12	-	3,455.78
	02/10/2016	3,539.90	-	84.14	-	3,455.76
	05/03/2016	3,539.90	-	84.10	-	3,455.80
	08/04/2016	3,539.90	-	84.12	-	3,455.78
	12/22/2016	3,539.90	-	84.18	-	3,455.72
	9/25/2013	3540.82	-	83.80	-	3,457.02
	11/13/2013	3540.82	•	84.79	-	3,456.03
	02/14/2014	3540.82	-	84.81	-	3,456.01
	05/08/2014	3540.82	-	84.81	-	3,456.01
	08/05/2014	3540.82	-	84.85	-	3,455.97
	11/07/2014	3540.82	-	84.91	-	3,455.91
MW-6	02/19/2015	3540.82	•	84.91	-	3,455.91
IVIVV-U	05/06/2015	3540.82	-	84.92	-	3,455.90
	08/14/2015	3540.82	•	84.65	-	3,456.17
	11/19/2015	3540.82	-	85.00	-	3,455.82
	02/10/2016	3540.82	-	85.00		3,455.82
	05/03/2016	3540.82	-	84.96		3,455.86
	08/04/2016	3540.82	-	85.03		3,455.79
	12/22/2016	3540.82	-	85.05	-	3,455.77

Elevations based on the North American Vertical Datum of 1988

^{- =} Not applicable

^{*} Indicates Monitor Well was not gauged due to the presences of a Mobile Dual Phase Estraction (MDPE) unit.

TABLE 4 2017 ANNUAL REPORT

HISTORIC GROUNDWATER ANALYTICAL SUMMARY - BTEX DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO

PLAINS SRS #: 2009-084 NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

				METHOD	S: EPA SW 8	46-8260b		
SAMPLE LOCATION	SAMPLE DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL- BENZENE (mg/L)	M,P- XYLENES (mg/L)	O-XYLENES (mg/L)	TOTAL XYLENES (mg/L)	TOTAL BTEX (mg/L)
MW-1	12/10/2009	19.0	13.09	0.812	1.894	0.729	2.623	35.525
	9/29/2009	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.01
	12/10/2009	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	3/18/2010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/27/2010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/26/2010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	10/29/2010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	3/25/2011	0.0072	0.0068	<0.0010	<0.0020	<0.0010	<0.0020	0.0139
	5/26/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/17/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/29/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/3/2012	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/1/2012	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/20/2012	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/9/2012	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
MW-2	2/5/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
1V1 V -Z	5/30/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/5/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/13/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/14/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/8/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/5/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/7/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/19/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/6/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/18/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	12/8/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/10/2016	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	5/3/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	8/4/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200

TABLE 4 2017 ANNUAL REPORT

HISTORIC GROUNDWATER ANALYTICAL SUMMARY - BTEX DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO PLAINS SRS #: 2009-084

NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

121/10/2009		1 -//							
3/18/2010 0.0054		9/29/2009	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.01
Siz/7/2010									0.0031
B/26/2010			0.0054	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0054
10/29/2010		5/27/2010	0.0043	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0043
31/25/2011 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0010 0.0020 0.0020 0.0010 0.0020 0.0020 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020		8/26/2010	0.0053	0.0023	<0.0010	<0.0020	<0.0010	<0.0020	0.0076
Si/28i/2011 0.00425 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020		10/29/2010	0.0129	0.0046	<0.0010	<0.0020	<0.0010	<0.0020	0.0175
### ### #### #########################		3/25/2011	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
### ### #### #########################		5/26/2011	0.00425	<0.0020	<0.0010	<0.0020	< 0.0010	<0.0020	0.00425
MW-3			0.0138	<0.0020	<0.0010	<0.0020		<0.0020	0.0138
MW-3									0.0050
MW-3 S/1/2012 0.031 0.0022 <0.0010 <0.0020 0.0010 <0.0020 0.0033 0.0288 0.0303 0.0688 0.0688 0.0288 0.0002 <0.0010 <0.0020 <0.0010 <0.0020 0.0017 <0.0020 0.0017 <0.0020 0.0017 <0.0020 0.0017 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0									0.0240
MW-3 MW-3 8/20/2012 0.014 0.0020 0.0045 0.0303 0.0226 0.0303 0.0881									
MW-3 MW-3 11/8/2012 0.026									
MW-3 2/5/2013									
S/30/2013									
8/5/2013 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.	MW-3								
11/13/2013									
2/14/2014									
5/8/2014									
8/5/2014									<0.0020
11/7/2014		5/8/2014	0.0024	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0024
2/19/2015 0.0013 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.		8/5/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010		<0.0020
5/6/2015		11/7/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
8/18/2015 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.002000 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.		2/19/2015	0.0013	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0013
12/8/2015		5/6/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
2/10/2016		8/18/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
2/10/2016		12/8/2015	<0.0010	<0.0020	<0.0010	<0.0020	< 0.0010	<0.0020	<0.0020
5/3/2016			< 0.00100					<0.00200	<0.00200
8/4/2016									<0.00200
12/22/2016 0.00110 <0.00100 <0.00200 <0.00100 <0.00200 0.00110 <0.00200 0.00110 <0.00200 <0.00110 <0.00200 <0.0011 <0.0011 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.									
MW-4 9/29/2009 <0.005 <0.005 <0.005 <0.001 <0.005 <0.001 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0									
MW-4 12/10/2009		12/22/2010	0.00110	٧٥.00 ١٥٥	٠٥.00 ١٥٥	₹0.00200	٧٥.00 ١٥٥	10.00200	0.00110
MW-4 12/10/2009		9/29/2009	<0.005	<0.005	<0.005	<0.01	<0.005	<0.01	<0.01
MW-4 3/25/2011									<0.0020
MW-4 S/26/2011		-							
MW-4 8/17/2011									
MW-4 11/29/2011									
MW-4 2/3/2012		-							
MW-4 5/1/2012									
MW-4 8/20/2012 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>									
MW-4 11/9/2012 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0									
MW-4 2/5/2013 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200									<0.0020
MW-4 5/30/2013 <0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200									<0.0020
MW-4 8/5/2013 0.0033 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0033 11/13/2013 0.0023 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0023 2/14/2014 0.0240 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 5/8/2014 0.0079 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 8/5/2014 0.0069 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 11/7/2014 0.0047 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 11/7/2015 0.0045 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0040 5/6/2015 0.0027 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 8/18/2015 0.0020 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 12/8/2015 0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 12/8/2015 0.0010 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0020 12/8/2016 0.00214 <0.00200 <0.00100 <0.00200 <0.00100 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00		I 2/5/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
11/13/2013 0.0023 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 0.0023 <0.0023 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0024 <0.0024 <0.0024 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0024 <0.0020 <0.0010 <0.0020 <0.0010 <0.0020 <0.0020 <0.0010 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.									
11/13/2013 0.0023 <0.0020			<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	M\M-4	5/30/2013			<0.0010			<0.0020	<0.0020 0.0033
5/8/2014 0.0079 <0.0020	MW-4	5/30/2013 8/5/2013	0.0033	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	
8/5/2014 0.0069 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013	0.0033 0.0023	<0.0020 <0.0020	<0.0010 <0.0010	<0.0020 <0.0020	<0.0010 <0.0010	<0.0020 <0.0020	0.0033
11/7/2014 0.0047 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014	0.0033 0.0023 0.0240	<0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020	0.0033 0.0023
2/19/2015 0.0045 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014	0.0033 0.0023 0.0240 0.0079	<0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020	0.0033 0.0023 0.0240
5/6/2015 0.0027 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014	0.0033 0.0023 0.0240 0.0079 0.0069	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020	0.0033 0.0023 0.0240 0.0079 0.0069
8/18/2015 0.0020 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047
12/8/2015 0.0010 <0.0020	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045
2/10/2016 0.00214 <0.00200	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027
5/3/2016 0.00205 <0.00200	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027	<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020 <0.0020	<0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010 <0.0010	<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027
8/4/2016 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015 12/8/2015	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010	<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020	 <0.0010 	<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020	 <0.0010 	 <0.0020 	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010
	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015 12/8/2016	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010	 <0.0020 	 <0.0010 	<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020<0.0020	 <0.0010 	 <0.0020 	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010
12/22/2016 <0.00100 <0.00100 <0.00200 <0.00100 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015 12/8/2016 5/3/2016	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205	 <0.0020 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00100 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00100 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205
	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015 12/8/2016 5/3/2016 8/4/2016	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205 <0.00200	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00200 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00200 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205 <0.00200
	MW-4	5/30/2013 8/5/2013 11/13/2013 2/14/2014 5/8/2014 8/5/2014 11/7/2014 2/19/2015 5/6/2015 8/18/2015 12/8/2016 5/3/2016 8/4/2016	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205 <0.00200	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00200 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	 <0.0010 <0.00200 <0.00200 	 <0.0020 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 	0.0033 0.0023 0.0240 0.0079 0.0069 0.0047 0.0045 0.0027 0.0020 0.0010 0.00214 0.00205

TABLE 4 2017 ANNUAL REPORT

HISTORIC GROUNDWATER ANALYTICAL SUMMARY - BTEX DCP PLANT TO LEA STATION 6-INCH SEC. 31 LEA COUNTY, NEW MEXICO PLAINS SRS #: 2009-084

NMOCD REFERENCE #: 1RP-2166 TERRACON PROJECT #: AR187004

	3/25/2011	0.371	<0.0020	<0.0050	0.0115	0.0060	0.0175	0.3885
	5/26/2011	1.12	0.0265	<0.0010	0.0137	0.0138	0.0275	1.17
	8/17/2011	1.73	0.0560	<0.0020	<0.0040	0.0210	0.0210	1.81
	11/29/2011	0.233	0.0073	<0.0010	0.0020	0.00188	0.00388	0.244
	2/3/2012	0.442	0.0053	<0.0010	<0.0020	0.0020	<0.0020	0.449
	5/1/2012	0.477	<0.0020	<0.0010	<0.0020	< 0.0010	<0.0020	0.477
	8/20/2012	0.249	0.0046	<0.0010	<0.0020	<0.0010	<0.0020	0.254
	11/9/2012	0.541	0.0145	<0.0050	<0.0100	<0.0050	<0.0100	0.556
	2/5/2013	0.0042	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0042
	5/30/2013	0.0201	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0201
	8/5/2013	0.0107	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0107
NA) A / C	11/13/2013	0.0013	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	0.0013
MW-5	2/14/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/8/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/5/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/7/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/19/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/6/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/18/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	12/8/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/10/2016	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	5/3/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	< 0.00200
	8/4/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	9/25/2013	<0.0050	<0.0050	<0.0050	<0.0100	<0.0050	<0.0100	<0.0100
	11/13/2013	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/14/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	5/8/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/5/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	11/7/2014	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
MW-6	2/19/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
10100-0	5/6/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	8/18/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	12/8/2015	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020
	2/10/2016	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
	5/3/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	8/4/2016	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	12/22/2016	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200
NMOCD CR	0.01	0.75	0.75	TOTA	L XYLENE	S 0.62		

TABLE 5 2017 ANNUAL REPORT

HISTORIC CONCENTRATIONS OF POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)¹ IN GROUNDWATER

DCP PLANT TO LEA STATION 6-INCH SEC 31

PLAINS SRS #: 2009-084 LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER 1RP-2166 TERRACON PROJECT #: AR187004

All water concentrations are reported in mg/L

								All Water conc	entrations are r		8270C, 351	0							
SAMPLE LOCATION	SAMPLE DATE	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1	12/10/2009	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
MW-2	9/29/2009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005
MW-3 MW-3	9/29/2009 12/16/2011	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.005 <0.0111	<0.00556	<0.005 <0.0111	<0.0111	<0.005 <0.0111	<0.005 <0.0111
MW-3	11/9/2012	<0.00035	<0.00033	<0.00016	<0.00024	<0.00019	<0.00036	<0.00049	<0.00028	<0.00022	<0.00019	<0.00024	<0.00030	<0.00032	<0.00031	<0.00048	<0.00031	<0.00027	<0.00027
MW-4 MW-4	9/29/2009 12/21/2011	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102	- <0.00510	- <0.0102	<0.005 <0.0102	<0.005 <0.0102	<0.005 <0.0102
MW-5 MW-5 MW-5	3/25/2011 11/9/2012 12/23/2013	<0.0100 <0.00037	<0.0100 <0.00034	<0.0100 <0.00016 <0.000049	<0.0100 <0.00025	<0.0100 <0.00020	<0.0100 <0.00038	<0.0100 <0.00051	<0.0100 <0.00029	<0.0100 <0.00023	<0.0100 <0.00020	<0.0100 <0.00025 <0.000049	<0.0100 <0.00031	<0.0100 <0.00034	<0.00032	<0.0100 <0.00049			<0.0100 <0.00028 <0.000049
MW-6	5/13/2014		<0.000043	•	<0.000043	<0.000043	<0.000043	<0.000043		<0.000051	<0.000043	•	L	<0.000043	-0.000043	<0.00051	0.00004	<0.000043	
for NM WQC0 Standards Se	ntaminant Levels C Drinking Water ections 1-101.UU 3-103A.	NA	Ϋ́	0.001	0.0001	0.0007	0.001	Ϋ́	0.001	0.0002	0.0003	0.001	0.001	0.0004		0.03		0.001	0.001

 $PAH^{l}\hbox{=}Polynuclear aromatic hydrocarbon concentrations analyzed in accordance with EPA~SW846-8270C~and~3510$

APPENDIX E

CD of the 2017 Annual Groundwater Monitoring Report