Cardno
Shaping the Future

January 31, 2017
Cardno 01361204.Q164

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SUBJECT **Third and Fourth Quarter 2016**
Semi-Annual Groundwater Monitoring Report
Gladiola Station
Lea County, New Mexico
OCD No. AP038

Mr. Johnson:

At the request of ExxonMobil Environmental Services Company (EMES) on behalf of ExxonMobil Oil Corporation, Cardno is submitting the *Third and Fourth Quarter 2016 Semi-Annual Groundwater Monitoring Report* for the above-referenced site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates for EMES into one summary report.

Please call the undersigned at 949 457 8941 if you have questions.

Sincerely,

David M. Purdy
Senior Project Manager
for Cardno
Direct Line 949 457 8941
Email: dave.purdy@cardno.com

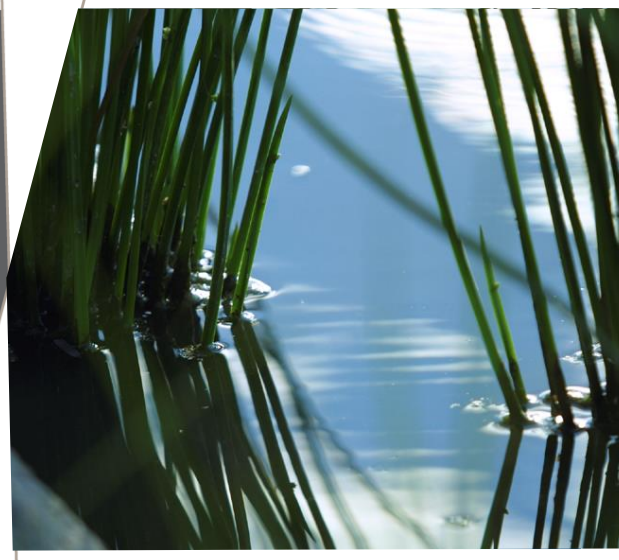
cc: Ms. Marla D. Madden, EMES

Third and Fourth Quarter 2016 Semi-Annual Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

Cardno 01361204.Q164



Prepared for
ExxonMobil Environmental Services Company

January 31, 2017

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Lea County, New Mexico
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1 Introduction

At the request of ExxonMobil Environmental Services Company (EMES), on behalf ExxonMobil US Production Company (ExxonMobil), Cardno prepared this semi-annual groundwater monitoring report for the above-referenced site (Plate 1). The event included gauging the site wells, sampling the groundwater in site wells without NAPL, and conducting a NAPL pumping test.

2 Site Description

Gladiola Station is located in northeastern Lea County, New Mexico (Plate 1). The site is located at latitude 33.300745 degrees (º) and longitude -103.111117º and consists of 0.54 acre of land (Plate 2). The site was operated as a crude oil pipeline pumping station under ExxonMobil Pipeline Company until it was purchased by Trojan Pipeline L.P. in February 2004. Trojan changed its name to Centurion Pipeline L.P. (Centurion) in July 2004, and the site is currently operated by Centurion (AECOM, 2014a).

3 Geology and Hydrogeology

The site is located in northeastern Lea County, New Mexico, within the Llano Estacado (staked plains) physiographic province. Surface soils at the site are Quaternary windblown (eolian) sediments comprised of sands, silts and clays. This sediment can accumulate to a thickness of 20 feet in this portion of Lea County. The Quaternary sediment unconformably overlies the Tertiary Ogallala formation (AECOM, 2014a).

The Ogallala formation is comprised of variably cemented calcic sands, silts, caliche, gravel and some clays, and ranges in thickness from 50 to 300 feet. Groundwater in northern Lea County is primarily produced from the Ogallala formation. The saturated thickness ranges from 25 to 200 feet, with the depth to groundwater ranging from less than 30 to approximately 260 feet. The Ogallala formation unconformably overlies the Triassic Dockum group. The Dockum group consists of red shale and sandstone and is commonly referred to as red beds. The red beds can exceed 1,000 feet in thickness in this region and may produce small amounts of water at the bottom of the formation. Water wells in the vicinity of the site have a total depth of approximately 100 feet bgs, with depth to groundwater ranging from 35 to 70 feet bgs (AECOM, 2014a).

The surface soils encountered at the site are silty clays approximately 2 to 3 feet thick. This surface soil is consistent with the surface soil description (Quaternary sediment) for this physiographic province. The next three soil types encountered at the site are consistent with the description of the Ogallala formation (caliche, limestone and silty sands). The Dockum group was not encountered at the site (AECOM, 2014a).

The first occurrence of groundwater encountered at the site is found within the Ogallala formation and would likely be classified as the Ogallala Aquifer. The characteristics of the Ogallala Aquifer as described in the scientific literature match the characteristics of subsurface conditions beneath the site (produces small amounts of good-quality water). The depth to groundwater beneath the site has ranged historically from approximately 29 to 43 feet bgs (AECOM, 2014a).

4 Regulatory Framework and Site Classification

The New Mexico Oil Conservation Division (NMOCD) has regulatory jurisdiction over oil and gas production operations including crude-oil pipeline releases and closure activities in the State of New Mexico. This

investigation was conducted in accordance with a "revised Stage 1 Abatement Plan," submitted to the NMOCD on March 2, 2006. The NMOCD requires that soil affected by a crude oil release be remediated in such a manner that the potential for future effects to groundwater or the environment are minimized. The NMOCD hydrocarbon recommended remediation action levels (RRALs) for soil are determined by ranking criteria on a site-by-site basis, outlined in the NMOCD Guidelines for Remediation of Spills, Leaks, and Releases dated August 13, 1993. The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection and distance to surface water (AECOM, 2014a).

The NMOCD guidelines require groundwater to be analyzed for potential constituents of concern as defined by New Mexico Water Quality Control Commission (NMWQCC) regulatory limits. Human health standards for groundwater with a total dissolved solids (TDS) concentration of less than 10,000 mg/L can be found in New Mexico Administrative Code (NMAC) 20.6.2.3103, Sections A and B (AECOM, 2014a).

A water well search was conducted on May 28, 2008. According to the New Mexico Office of the State Engineer Water Administration Technical Engineering Resource System database, 18 wells are located within approximately 1 mile of the site. Three of those wells are within 2,000 feet of the site. Two were natural resource exploratory wells (likely petroleum exploration), and one was installed as a livestock watering well. According to the Water Administration Technical Engineering Resource System database, no wells are located within 1,000 feet of the site (AECOM, 2014a).

Kleinfelder West, Inc. (Kleinfelder) contacted an adjacent property owner, Mr. Tommy Burrus, on March 13, 2009 and April 15, 2009 to obtain information regarding water well locations and usage (AECOM, 2014a). According to Mr. Burrus, water supply wells are located as indicated in the following table.

Location	Usage	Owner
Approximately 0.5 mile northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5 - 0.75 mile southeast of the site	Livestock watering well	Tommy Burrus
Approximately 0.4 mile east of the site	Domestic well at an abandoned ranch (no longer in use)	Tommy Burrus
Between approximately 0.5 and 0.75 mile northwest of the site	Livestock watering well	Clinton Houston

Data collected during groundwater monitoring and sampling events indicates that the historic depth to groundwater at the site has ranged from approximately 29 to 43 feet bgs. The site is not within 1,000 feet of a wellhead protection area, and surface water is more than 1,000 feet from the site, giving the site a ranking criteria score of 20 as summarized in the following table (AECOM, 2014a).

Characterization	Selection	Score
Depth to Groundwater	Less than 50 feet	20
Wellhead Protection Area	Greater than 1,000 feet	0
Distance to Surface Water	Greater than 1,000 feet	0
Total Score	NA	20

Based on a total score of 20, the following soil hydrocarbon RRALs apply to this site:

Constituent of Concern	RRALs (mg/kg)
Benzene	10
Total BTEX	50
TPH	100

Groundwater samples collected as part of assessment activities were evaluated using NMWQCC regulatory limits for the analytical parameters listed in the following table.

Constituent of Concern	Concentration (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Benzo(a)pyrene	0.0007
Total Naphthalene[1]	0.03
Arsenic	0.1
Barium	1.0
Cadmium	0.01
Chromium	0.05
Lead	0.05
Mercury	0.002
Selenium	0.05
Silver	0.05
Chloride	250.0
Sulfate	600.0
TDS	1,000.0

[1]*Total Naphthalene = naphthalene + 1-methylnaphthalene + 2-methylnaphthalene*

5 Previous Work

Soil and groundwater investigations have been conducted at the site since 2002. Previous work has included the drilling of soil borings, installation of wells, soil excavation, and NAPL bailing (Plate 2). For detailed information regarding these investigations, refer to the documents listed in the reference section. Cumulative groundwater analytical results are summarized in Tables 1 through 6.

5.1 Pumping Station Activities

November 18, 2002. A crude oil release of approximately 15 barrels (bbls) occurred as a result of a leak from the former western sump overflow/bleeder valve, located to the northeast of well MW-1. The November 18, 2002, *Leak, Maintenance and Exposed Pipe Report* indicated that 5 bbls of crude oil were recovered from the release (ExxonMobil, 2002).

May 21, 2007. Centurion reported a crude oil release resulting from a strainer valve failure, which caused the eastern sump, located to the north of well MW-2, to overfill (AECOM, 2014a).

5.2 Site Assessment Activities

2004. BNC Environmental Services, Inc. conducted soil and groundwater activities, which included the installation of monitoring wells MW-1 through MW-3. NAPL was encountered in the wells. A water well search was also conducted, which did not identify water wells located on the site or land immediately adjacent to the site (BNC, 2004).

2006. Conestoga-Rovers & Associates (CRA) advanced soil borings SB-9 and SB-11, installed groundwater monitoring wells MW-4 through MW-10, and conducted a site-wide groundwater monitoring and sampling event at the site. NAPL was encountered in wells MW-1, MW-2 and MW-3 (AECOM, 2014a).

April 2008. Kleinfelder oversaw the installation of monitoring wells MW-11 through MW-16 (Kleinfelder, 2008).

August 2009. Kleinfelder oversaw the installation of monitoring wells MW-17 through MW-21 (AECOM, 2014a).

October 26-28, 2011. Groundwater & Environmental Services, Inc. (GES) advanced soil borings SB-1 through SB-7 at the site and installed temporary groundwater monitoring wells at each boring location. GES then gauged and sampled the temporary monitoring wells. No measurable NAPL was encountered in the wells (AECOM, 2014a).

December 13-15, 2011. GES installed permanent monitoring wells MW-23 through MW-26 (AECOM, 2014a).

5.3 Remediation Activities

August 2003. E. D. Walton conducted initial remedial excavation activities and B&H Maintenance and Construction conducted a soil boring investigation. These activities were documented in the *Soil Coring Investigation Report* (B&H, 2003).

May 18 to June 27, 2007. Soil remediation activities, including excavation, were conducted at the site (AECOM, 2014a).

April 2, 2009. NOVA Safety and Environment, on behalf of Centurion, recommended to the NMOCD no further action for the May 2007 release (AECOM, 2014a).

5.4 Groundwater Monitoring Activities

2006. CRA conducted site-wide groundwater monitoring and sampling activities. NAPL was encountered in wells MW-1 trough MW-3 (AECOM, 2014a).

April 2008–February 2009. Kleinfelder conducted groundwater monitoring activities at the site. The groundwater monitoring data indicated that hydrocarbons related to the Centurion May 2007 release were still present on site (AECOM, 2014a).

October 12-13, 2011. GES performed groundwater monitoring and sampling activities for wells MW-1 through MW-22. Monitoring wells with NAPL were gauged and bailed (AECOM, 2014a).

October 28, 2011. GES gauged and sampled temporary monitoring wells SB-1 through SB-7. No measureable NAPL was encountered in the wells (AECOM, 2014).

February 22, 2012. GES performed groundwater monitoring and sampling activities for wells MW-1 through MW-26. Monitoring wells with NAPL were gauged and bailed (AECOM, 2014a).

July 17, 2012. GES performed groundwater monitoring and sampling activities at the site. Monitoring wells with NAPL were gauged and bailed. NAPL samples from wells MW-2 and MW-13 were collected for fingerprint analysis. Borbas Surveying and Mapping LLC surveyed the 26 monitoring wells and select features on the site (AECOM, 2014a).

October 3, 2012. GES performed groundwater monitoring and sampling activities at the site. Monitoring wells with NAPL were gauged and bailed. NAPL samples were collected from wells MW-2, MW-13, MW-18, and MW-26 for fingerprint analysis (AECOM, 2014a).

May 13-16, 2013. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 17 gallons of NAPL were recovered from affected monitoring wells. Monitoring well MW-8 was not found and is presumed to be destroyed. Large pieces of concrete were found in the vicinity of the well (AECOM, 2014a).

January 27-29, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed product. Approximately 20 gallons of NAPL were recovered from affected monitoring wells (AECOM, 2014a).

June 16-19, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 25 gallons of NAPL were recovered from affected monitoring wells. Monitoring well MW-2 was found damaged and could not be gauged or sampled (AECOM, 2014a).

November 17-19, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 25 gallons of NAPL were recovered from affected monitoring wells (AECOM, 2014b).

6 Field Activities

Field documentation is included in Appendix A. The laboratory analytical report is included in Appendix B.

6.1 Monitoring Well Gauging

On October 24, 2016, monitoring wells MW-1 through MW-26 were gauged with the exception of wells MW-2 and MW-8. Monitoring well MW-8 was not located and is presumed to have been destroyed in 2013. Monitoring well MW-2 is damaged and cannot be gauged or sampled.

At the beginning of the groundwater monitoring event, the monitoring well boxes were opened and the locking well caps removed from the wells. The liquid level within each well was allowed to equilibrate to atmospheric pressure. The water levels were measured in all wells prior to sampling using an electronic oil/water interface probe capable of detecting groundwater elevations to the nearest 0.01 foot.

In wells without NAPL or a sheen, the depth to groundwater was measured to the nearest 0.01 foot with an electronic oil/water interface probe. Groundwater elevations are calculated by subtracting the depth to groundwater from the surveyed TOC.

In wells with NAPL, the depth of the top and bottom of NAPL was measured using an oil/water interface probe. The water levels were then corrected for density effects to accurately determine the elevation of the water table. Wells containing NAPL are not purged or sampled.

After measuring the static groundwater levels, select monitoring wells were purged using low-flow sampling techniques. Samples were collected once field parameters stabilized. Submersible pumps were utilized for purging the monitoring wells and the flow rate was adjusted to minimize drawdown. Water quality measurements including temperature, pH, conductivity, dissolved oxygen and ORP were recorded via the use of a flow-through cell and a YSI multi-parameter meter. The sample intake was positioned at approximately the middle of the well screen.

6.2 Monitoring Well Sampling

On October 25, 2016, groundwater samples were collected from the monitoring wells without NAPL. Cardno was unable to sample well MW-6 due to silt in the pump and well MW-10 due to insufficient water.

The wells were sampled using low-flow sampling techniques in general accordance with the EPA guidelines described in the EPA document titled “Standard Operating Procedure for Low-Stress (Low Flow)/Minimal Drawdown Ground-Water Sample Collection” (www.epa.gov/Region09/qa/pdfs/finalsopls1217.pdf).

After purging, groundwater samples were collected through a bladder pump directly into laboratory-provided containers. Depending on the required analysis, each sample container was preserved with hydrochloric acid, nitric acid, etc., or it was preservative-free. The samples were immediately placed on ice in laboratory-supplied containers and subsequently shipped to a certified environmental laboratory using COC protocol.

QA/QC samples were also submitted including a field blank and an equipment blank. The field blank was prepared by placing distilled water into the laboratory supplied sample containers while in the field. The equipment blank was prepared by pouring distilled water over or through decontaminated field sampling equipment prior to the collection of samples.

The samples were analyzed for VOCs by EPA Method 8260B, PAHs by EPA Method 8270C, RCRA metals by EPA Method 6010B, mercury by EPA Method 7470A, chloride by Standard Method 4500 CI-E, sulfate by EPA Method D516-90, total alkalinity by SM 2320B and TDS by SM 2540C.

6.3 NAPL Pumping Test

On October 26, 2016, Cardno conducted a NAPL pumping test to assess whether sustained flow of NAPL is possible by pumping. To begin the test, Cardno adjusted the pump to a rate of 0.1 gpm to conduct a step test to gradually increase the flow rate and determine the appropriate flow rate for a constant rate pumping test. However, Cardno was not able to sustain the desired flow rates during the step test and the constant rate test, therefore, was not performed.

6.4 Waste Management

Decontamination/purge water and NAPL generated during the sampling and NAPL bailing event were temporarily stored in DOT-approved, sealed 55-gallon drums. The water was transported by Alamo1 to the Sundance Services, Inc. in Eunice, New Mexico. Copies of waste manifests are included in Appendix C.

7 Results

Measurable NAPL was encountered in monitoring wells MW-1, MW-3, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, MW-24, and MW-25. It was indeterminate if NAPL was present in wells MW-7 and MW-17. NAPL thickness ranged from 0.11 foot (MW-23) to 5.36 feet (MW-24).

Measured groundwater levels in the wells ranged from 34.35 feet below TOC (well MW-23) to 42.33 feet below TOC (MW-24). The apparent groundwater flow direction was generally to the northeast. The groundwater surface elevations and NAPL thicknesses for the monitoring wells are summarized in Table 1. The groundwater surface elevations were used to construct a potentiometric surface map (Plate 3), illustrating the estimated water table contours and direction of groundwater flow.

Groundwater analytical results were compared to NMWQCC standards as shown in Tables 1 through 6. Concentrations reported in the sampled wells did not exceed NMWQCC standards.

A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene are presented on Plate 4.

8 Conclusions and Recommendations

Concentrations and NAPL measurements decreased or remained stable. The groundwater flow direction was consistent with historical results. Cardno recommends continued semi-annual groundwater monitoring at the site. In addition, Cardno will conduct a NAPL reclamation test.

9 Contact Information

The responsible party contact is Ms. Marla D. Madden, EMES, 18685 Main Street, Suite 101 PMB 601, Huntington Beach, California, 92648-1719.

The consultant contact is Mr. David M. Purdy, Cardno, 25371 Commercentre Drive, Suite 250, Lake Forest, California, 92630.

The agency contact is Mr. Larry Johnson, NMOCD, 1625 North French Drive, Hobbs, New Mexico, 88240.

10 Limitations

For documents cited that were not generated by Cardno, the data taken from those documents is used “as is” and is assumed to be accurate. Cardno does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in New Mexico at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

11 References

AECOM. March 3, 2014a. *Technical Memorandum – Review of Forensic Laboratory Reports*.

AECOM. December 2014b. *2014 Annual Groundwater Monitoring Report*, Gladiola Station, Sec 5, T-12-S, R-38-E, Tatum, Lea County, New Mexico.

B & H Environmental Services (B&H). 2003. *Soil Coring Investigation Report*, Gladiola Station, Lea County, New Mexico.

BNC Environmental Services, Inc. (BNC). August 20, 2004. *Soil and Groundwater Assessment Report*, Gladiola Station, Section 5, T-12-S, R-38-E, Lea County, New Mexico.

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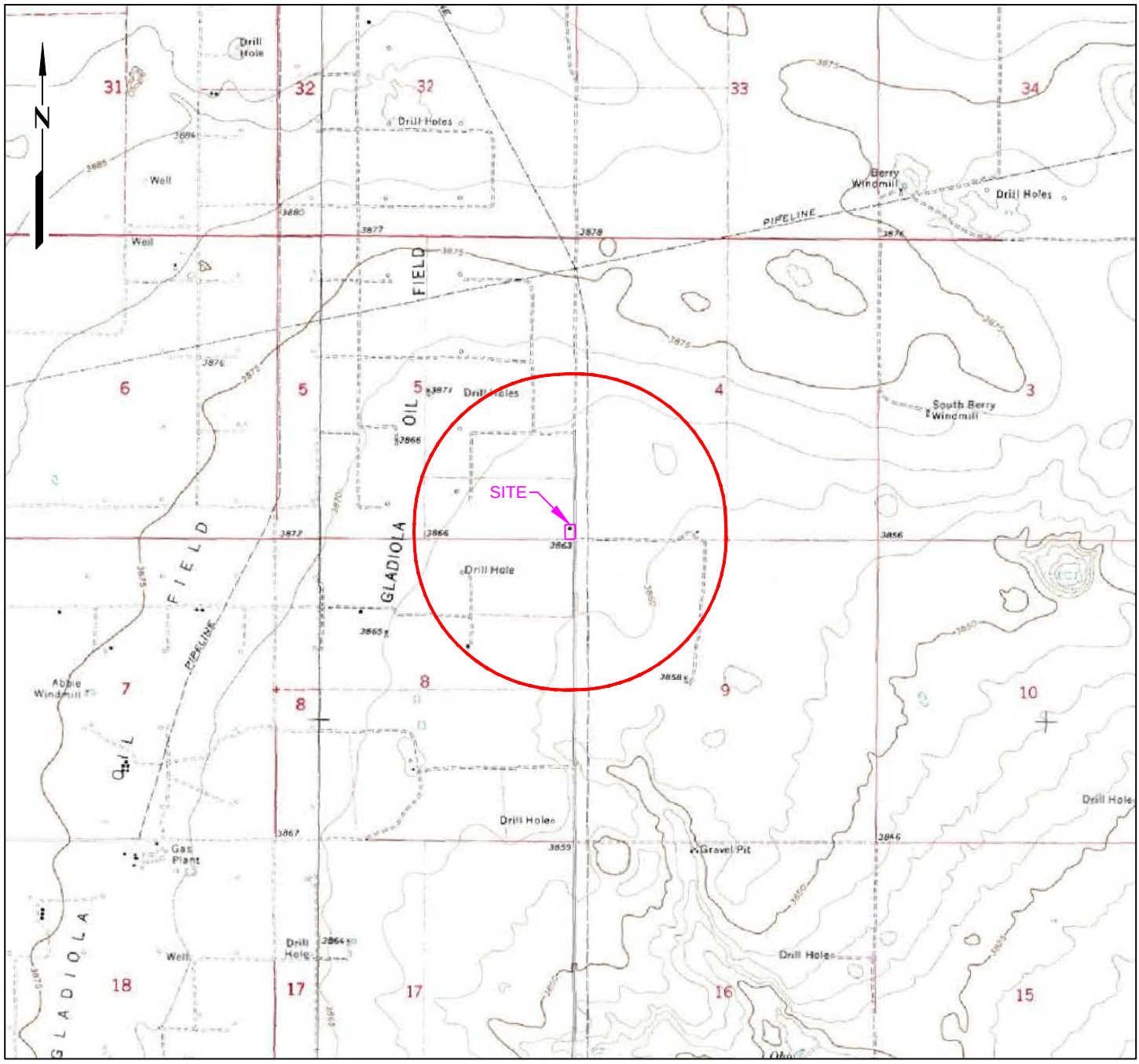
Groundwater & Environmental Services, Inc. (GES). February 28, 2013. *Annual Groundwater Monitoring Report*, Gladiola Station, Lea County, Tatum, New Mexico.

Kleinfelder West, Inc. (Kleinfelder). August 18, 2008. *Stage 1 Site Abatement Report*, Gladiola Station, Lea County, New Mexico.

NOVA Safety and Environmental (NOVA). March 2008. *Site Closure Request*, Gladiola Gathering, Unit D, Section 9, Township 13 South, Range 38 East, East of Tatum, Lea County, New Mexico.

12 Acronym List

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



FN 3612.TOPO01

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

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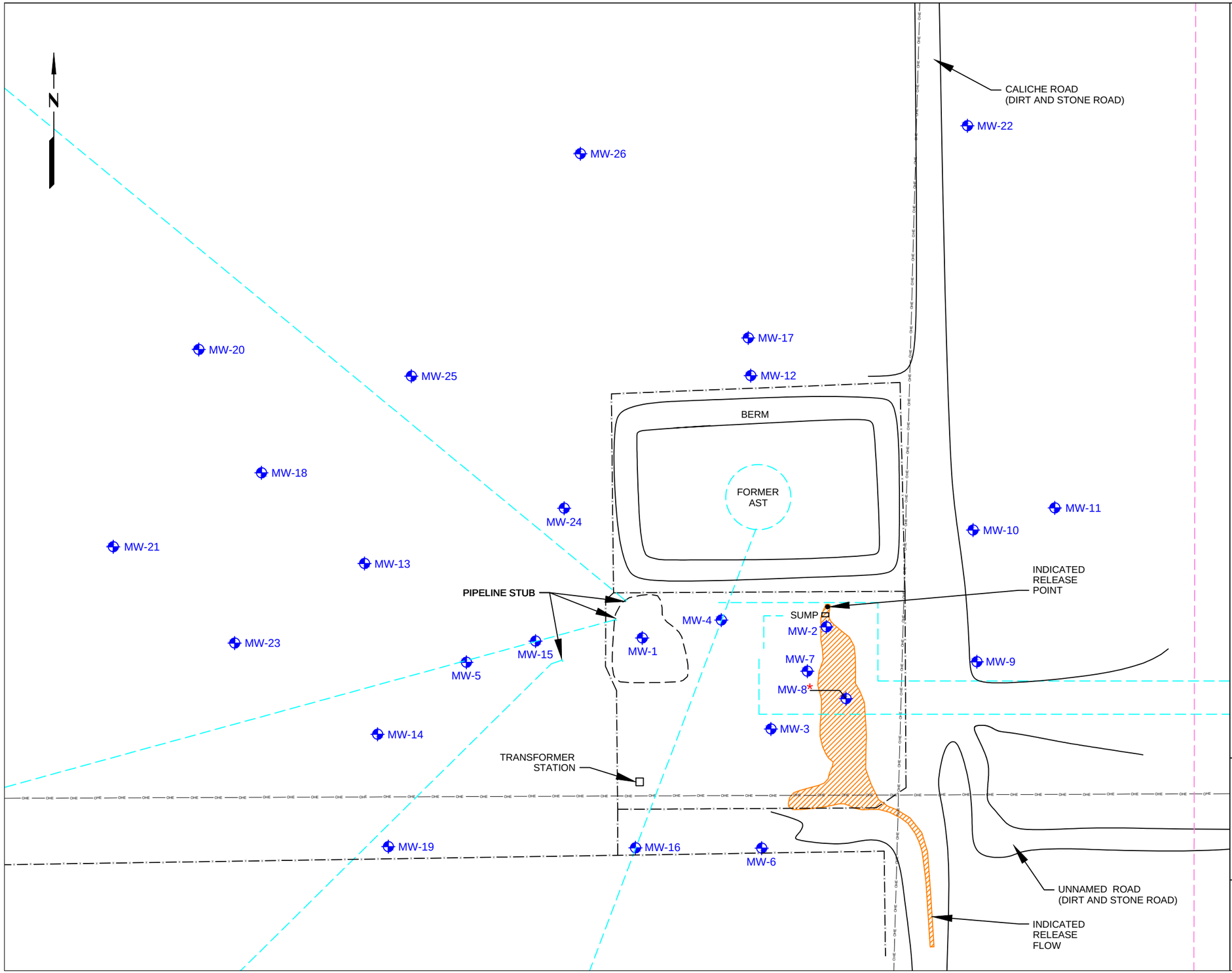
SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
3612
PLATE
1



EXPLANATION

- MW-26 — Groundwater monitoring well
- * — Well is presumed to have been destroyed
- Overhead electric line
- Fence
- Active pipeline
- Inactive pipeline
- Extent of May 2007 surface release
- Extent of 2004 remedial soil excavation

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GENERALIZED SITE PLAN

GLADIOLA STATION
Lea County, New Mexico

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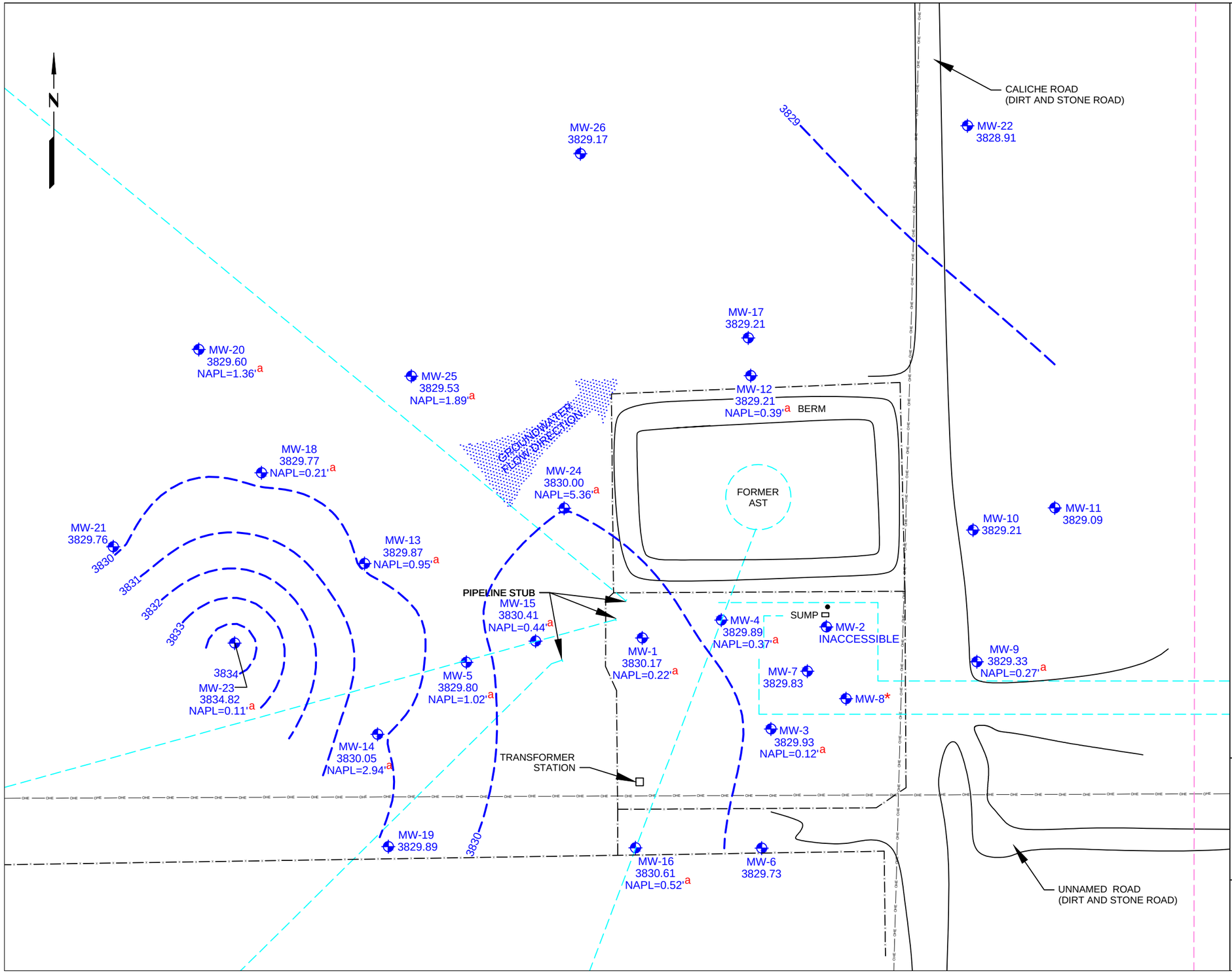
PROJECT NO. 3612

PLATE 2

DATE: 01/30/17



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83
NAPL=2.94'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
Note:	Well MW17 not used to generate elevation contours.
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 10/24-25/16

GLADIOLA STATION
Lea County, New Mexico

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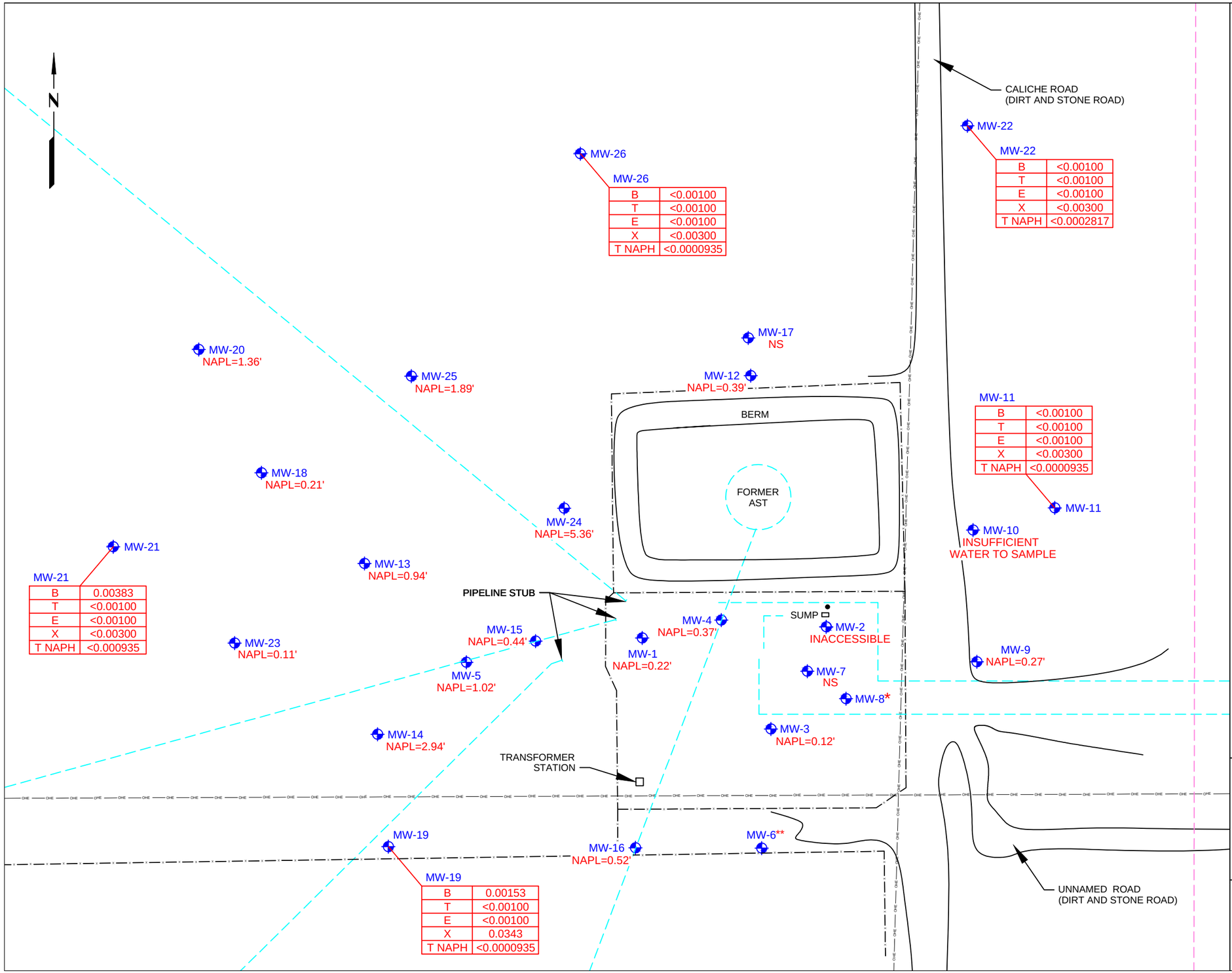
PROJECT NO. 3612

PLATE 3

DATE: 01/30/17



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Unable to sample due to silt in pump
NAPL=5.36'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
NS	Not sampled - unable to determine the presence of NAPL
0.473	Analyte concentration exceeds NMWQCCHHS for groundwater of 10,000 milligrams per liter TDS concentration or less
B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
T NAPH	Total naphthalene

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 10/24-25/16

GLADIOLA STATION
Lea County, New Mexico

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PROJECT NO. 3612

PLATE 4

DATE: 01/30/17

TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point MW-1		**Well Screen Interval (feet):**		**22.71-42.71**								
10/24/16	3866.63	36.64	3830.17	0.22								
Field Point MW-2		**Well Screen Interval (feet):**		**27.59-47.59**								
10/24/16	3869.40			No	Inaccessible - Stick-up well casing damaged.							
Field Point MW-3		**Well Screen Interval (feet):**		**24.20-44.20**								
10/24/16	3865.25	35.42	3829.93	0.12								
Field Point MW-4		**Well Screen Interval (feet):**		**23.97-38.97**								
10/24/16	3866.18	36.60	3829.89	0.37								
Field Point MW-5		**Well Screen Interval (feet):**		**27.19-47.19**								
10/24/16	3868.54	39.59	3829.80	1.02								
Field Point MW-6		**Well Screen Interval (feet):**		**27.05-42.05**								
10/24/16	3868.52	38.79	3829.73	No								
10/25/16	3868.52			No	Unable to sample due to silt in pump.							
Field Point MW-7		**Well Screen Interval (feet):**		**24.35-39.35**								
10/24/16	3865.67	35.84	3829.83	(d)								
Field Point MW-8		**Well Screen Interval (feet):**		**23.05-38.05**								
10/24/16	3865.32			No	Unable to locate - Presumed destroyed.							
Field Point MW-9		**Well Screen Interval (feet):**		**27.64-42.64**								
10/24/16	3869.82	40.71	3829.33	0.27								
Field Point MW-10		**Well Screen Interval (feet):**		**28.08-43.08**								
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.							
Field Point MW-11		**Well Screen Interval (feet):**		**29.00-44.00**								
10/24/16	3869.58	40.49	3829.09	No								
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point MW-12		**Well Screen Interval (feet):**		**30.00-45.00**								
10/24/16	3869.27	40.34	3829.21	0.39								
Field Point MW-13		**Well Screen Interval (feet):**		**30.00-45.00**								
10/24/16	3868.63	39.55	3829.87	0.95								
Field Point MW-14		**Well Screen Interval (feet):**		**27.00-42.00**								
10/24/16	3868.47	40.86	3830.05	2.94								
Field Point MW-15		**Well Screen Interval (feet):**		**29.00-44.00**								
10/24/16	3868.74	38.70	3830.41	0.44								
Field Point MW-16		**Well Screen Interval (feet):**		**26.50-41.50**								
10/24/16	3868.54	38.36	3830.61	0.52								
Field Point MW-17		**Well Screen Interval (feet):**		**29.50-44.50**								
10/24/16	3869.14	39.93	3829.21	(d)								

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point MW-18		**Well Screen Interval (feet):** 27.00-42.00										
10/24/16	3868.79	39.19	3829.77	0.21								
Field Point MW-19		**Well Screen Interval (feet):** 27.00-42.00										
10/24/16	3868.75	38.86	3829.89	No								
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343	<0.0000935	<0.0000935	<0.0000935	
Field Point MW-20		**Well Screen Interval (feet):** 29.50-44.50										
10/24/16	3868.97	40.50	3829.60	1.36								
Field Point MW-21		**Well Screen Interval (feet):** 29.50-44.50										
10/24/16	3868.89	39.13	3829.76	No								
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point MW-22		**Well Screen Interval (feet):** 30.00-45.00										
10/24/16	3869.73	40.82	3828.91	No								
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point MW-23		**Well Screen Interval (feet):** 31.00-46.00										
10/24/16	3869.08	34.35	3834.82	0.11								
Field Point MW-24		**Well Screen Interval (feet):** 28.00-43.00										
10/24/16	3867.88	42.33	3830.00	5.36								
Field Point MW-25		**Well Screen Interval (feet):** 28.00-43.00										
10/24/16	3868.99	41.03	3829.53	1.89								
Field Point MW-26		**Well Screen Interval (feet):** 30.00-45.00										
10/24/16	3868.98	39.81	3829.17	No								
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR SVOCs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC)	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-11**	***Well Screen Interval (feet):*** **29.00-44.00**												
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**												
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-21**	***Well Screen Interval (feet):*** **29.50-44.50**												
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-22**	***Well Screen Interval (feet):*** **30.00-45.00**												
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-26**	***Well Screen Interval (feet):*** **30.00-45.00**												
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR SVOCs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-11**					
10/25/2016	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-19**					
10/25/2016	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-21**					
10/25/2016	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-22**					
10/25/2016	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-26**					
10/25/2016	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR SVOCs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-11**	***Well Screen Interval (feet):*** **29.00-44.00**											
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**											
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
Field Point **MW-21**	***Well Screen Interval (feet):*** **29.50-44.50**											
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point **MW-22**	***Well Screen Interval (feet):*** **30.00-45.00**											
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
Field Point **MW-26**	***Well Screen Interval (feet):*** **30.00-45.00**											
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-1**		**Well Screen Interval (feet):**		**22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	No	Not sampled.							
11/30/04	3863.81	30.83	3835.00	2.43								
05/05/05	3863.81	29.20	3835.25	0.77								
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**	0.194	0.109	0.0639 (a)	**0.3669**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**	0.178	0.300	0.139 (a)	**0.6170**
04/15/08	3863.81	29.45	3834.68	0.39								
09/21/08	3863.81			No								
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**	0.0400	0.0522	0.0553	**0.1475**
02/15/09	3863.81	30.50	3833.60	0.35								
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**	0.0313	0.0403	0.0461	**0.1177**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**	3.940 R1	1.940	0.627 (c)	**6.507 R1**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**	0.118 R1	0.0573	0.0746 (c)	**0.250 R1**
10/12/11	3865.14	34.60	3831.00	0.55								
02/22/12	3865.14	34.85	3830.66	0.45								
07/17/12	3866.63	35.26	3831.77	0.48								
10/03/12	3866.63	35.42	3831.58	0.45								
05/14/13	3866.63	35.83	3831.12	0.39								
01/27/14	3866.63	36.83	3830.57	0.93								
06/17/14	3866.63	36.92	3830.19	0.58								
11/18/14	3866.63	36.94	3830.19	0.60								
12/07/15	3866.63	36.87	3830.11	0.42								
04/26/16	3866.63	37.20	3829.73	0.36								
10/24/16	3866.63	36.64	3830.17	0.22								
Field Point	**MW-2**		**Well Screen Interval (feet):**		**27.59-47.59**							
05/17/04	3867.89	37.04	3830.85	No	Not sampled.							
11/30/04	3867.89	35.61	3833.88	1.93								
05/05/05	3867.89	33.36	3834.90	0.45								
07/25/06	3867.89	33.14	3834.95	0.24	0.00492	0.0142	0.142	0.166	0.163	0.0696	0.0211 (a)	**0.2537**
02/08/07	3867.89	33.07	3834.92	0.12	**0.0550**	0.0111	0.0726	0.105	0.258	0.238	0.0208 (a)	**0.5168**
04/15/08	3867.89	38.81	3834.43	6.44								
09/22/08	3867.89			No								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-2**	**Well Screen Interval (feet):**		**27.59-47.59**								
09/26/08	3867.89	38.97	3833.94	6.05	**2.57**	**2.66**	0.504	**1.210**	0.201	0.287	0.117	**0.0484**
02/15/09	3867.89	38.95	3833.45	5.43								
05/19/09	3867.89	38.63	3833.09	4.62	Not sampled - NAPL entered bailer during each attempt.							
08/19/09	3867.89	39.00	3832.92	4.85	**2.70**	**2.44**	0.495	**1.110**	5.070 R1	2.750	0.730 (c)	**8.550 R1**
10/30/09	3867.89	38.98	3832.87	4.77	**3.25**	<0.00100	0.381	**0.675**	0.0975 R1	0.0781	0.0514 (c)	**0.227 R1**
10/12/11	3867.89	39.46	3830.82	2.88								
02/22/12	3867.89	39.73	3830.48	2.80								
07/17/12	3869.40	40.19	3831.64	2.93								
10/03/12	3869.40	40.29	3831.45	2.82								
05/14/13	3869.40	40.72	3830.96	2.75								
01/27/14	3869.40	40.11	3830.39	1.33								
06/17/14	3869.40			No	Inaccessible - Stick-up well casing damaged.							
12/07/15	3869.40			No	Inaccessible - Stick-up well casing damaged.							
04/26/16	3869.40			No	Inaccessible - Stick-up well casing damaged.							
10/24/16	3869.40			No	Inaccessible - Stick-up well casing damaged.							
Field Point	**MW-3**	**Well Screen Interval (feet):**		**24.20-44.20**								
05/17/04	3863.72	32.79	3830.93	No	Not sampled.							
11/30/04	3863.72	30.08	3834.01	0.44								
05/05/05	3863.72	28.90	3835.02	0.24								
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015	0.161	0.0752	0.0315 (a)	**0.2677**
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360	0.220	0.255	0.053 (a)	**0.5280**
04/15/08	3863.72	29.42	3834.48	0.22								
09/22/08	3863.72			No								
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310	0.0154	0.0162	0.0146	**0.0462**
02/15/09	3863.72	29.90	3833.94	0.15								
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206	0.0199	0.0215	0.0164	**0.0578**
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317	0.245	0.0885	0.0353 R1 (c)	**0.3688 R1**
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320	0.153 R1	0.0482	0.00943 (c)	**0.211 R1**
10/12/11	3863.72	33.10	3830.94	0.38								
02/22/12	3863.72	33.30	3830.58	0.19								
07/17/12	3865.25	33.80	3831.71	0.31								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-3**	**Well Screen Interval (feet):**		**24.20-44.20**								
10/03/12	3865.25	33.94	3831.51	0.24								
05/14/13	3865.25	34.31	3831.04	0.12								
01/27/14	3865.25	35.04	3830.47	0.31								
06/17/14	3865.25	35.33	3830.13	0.25								
11/18/14	3865.25	35.34	3830.02	0.13								
12/07/15	3865.25	35.39	3829.93	0.09								
04/26/16	3865.25	35.69	3829.71	0.18								
10/24/16	3865.25	35.42	3829.93	0.12								
Field Point	**MW-4**	**Well Screen Interval (feet):**		**23.97-38.97**								
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318	0.0373	0.0286	0.0227 (a)	**0.0886**
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451	0.0553	0.147	0.027 (a)	**0.2293**
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**	0.0320	0.0428	0.0406	**0.1154**
09/21/08	3864.66			No								
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**	0.0271	0.0392	0.0397	**0.1060**
02/15/09	3864.66	31.09	3833.58	0.01								
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546	<0.0526	<0.0526	<0.0526	<0.1578
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600	0.0578	0.0509	0.0369 (c)	**0.1456**
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619	0.311 R1	0.163	0.0645 (c)	**0.539 R1**
10/12/11	3864.66	34.09	3830.91	0.41								
02/22/12	3864.66	34.58	3830.54	0.56								
07/17/12	3866.18	35.21	3831.78	0.97								
10/03/12	3866.18	36.07	3831.51	1.69								
05/14/13	3866.18	35.53	3831.22	0.69								
01/27/14	3866.18	36.77	3830.47	1.28								
06/17/14	3866.18	36.76	3830.12	0.84								
11/18/14	3866.18	36.79	3830.04	0.78								
12/07/15	3866.18	36.71	3829.99	0.63								
04/26/16	3866.18	36.78	3829.72	0.38								
10/24/16	3866.18	36.60	3829.89	0.37								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point MW-5		**Well Screen Interval (feet):**		**27.19-47.19**								
07/20/06	3866.99	31.82	3835.17	No	**6.93**	0.374	0.567	**1.14**	0.0914	0.0563	0.0589 (a)	**0.2066**
02/07/07	3866.99	31.93	3835.06	No	**6.91**	0.297	**0.905**	**1.74**	0.105	0.218	0.117 (a)	**0.4400**
04/15/08	3866.99	32.45	3834.54	No	**5.44**	0.0686	**0.763**	**1.33**	0.0451	0.0547	0.0693	**0.1691**
09/21/08	3866.99			No								
09/26/08	3866.99	33.07	3833.92	No	**6.17**	0.0979	0.736	**1.220**	0.0443	0.605	0.074	**0.1671**
02/06/09	3866.99	33.54	3833.45	No	**5.61**	0.0514	**0.849**	**1.410**			0.0958 (b)	
02/06/09 D	3866.99	33.54	3833.45	No	**5.26**	0.0438	**0.835**	**1.320**			0.0932 (b)	
05/19/09	3866.99	33.83	3833.16	No	**5.08**	0.0436	0.681	**1.180**	0.0573	0.0676	0.0873	**0.2122**
08/19/09	3866.99	34.15	3832.84	No	**4.68**	0.0567	0.726	**0.932**	0.189 R1	0.103	0.105 (c)	**0.397**
08/19/09 D	3866.99	34.15	3832.84	No	**4.79**	0.0732	0.709	**1.100**	0.171 R1	0.0707	0.0954 (c)	**0.3371 R1**
10/30/09	3866.99	34.35	3832.64	No	**5.01**	0.0933	0.713	**1.25**	0.0375 R12	0.0641	0.0191 (c)	**0.121 R12**
10/12/11	3866.99	36.02	3830.97	No	**3.5**	0.00678	0.521	0.431	0.0216	0.0287	0.0402 (b)	**0.0905**
10/12/11 D	3866.99	36.02	3830.97	No	**3.47**	0.00666	0.52	0.407			0.0553 (b)	**0.0553**
02/22/12	3866.99	36.85	3830.14	No	**3.75**	0.00125	0.54	**0.626**			0.0645 (b)	**0.0645**
02/22/12 D	3866.99	36.85	3830.14	No	**3.65**	<0.00100	0.516	0.593			0.0604 (b)	**0.0604**
07/17/12	3868.54	36.70	3831.84	No	**2.68**	<0.00100	0.419	0.262	0.0229	0.0248	0.0558	**0.1035**
07/17/12 D	3868.54	36.70	3831.84	No	**2.62**	<0.00100	0.39	0.251	0.0245	0.0270	0.0568	**0.1083**
10/03/12	3868.54	37.54	3831.00	No	**2.91**	<0.00100	0.49	**0.667**	0.0296	0.0310	0.0771	**0.1377**
10/03/12 D	3868.54	37.54	3831.00	No	**2.97**	<0.00100	0.501	**0.683**	0.0265	0.0299	0.0833	**0.1397**
05/15/13	3868.54	37.47	3831.05	0.10								
01/28/14	3868.54	38.90	3830.47	1.00								
06/18/14	3868.54	39.13	3830.17	0.91								
11/18/14	3868.54	40.01	3829.95	1.71								
12/07/15	3868.54	41.09	3829.92	2.98								
04/26/16	3868.54	39.48	3829.76	0.84								
10/24/16	3868.54	39.59	3829.80	1.02								
Field Point MW-6		**Well Screen Interval (feet):**		**27.05-42.05**								
07/21/06	3867.00	31.84	3835.16	No	**0.034**	0.001	0.001	0.0531	<0.000943	0.00641	<0.000943 (a)	0.006410
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245	<0.00111	<0.00111	<0.00111 (a)	<0.00333
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300	<0.00990	<0.00990	<0.00990	<0.02970
09/21/08	3867.00			No								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-6**	**Well Screen Interval (feet):**		**27.05-42.05**								
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300			<0.00500 (b)	
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100 (c)	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300				
11/19/09	3867.00	34.42	3832.58	No					<0.000980	<0.000980	<0.000980	BDL
10/13/11	3867.00	36.14	3830.86	No	Not sampled.							
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300			<0.00500 (b)	<0.00500
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000629 J	0.0000629 J
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	0.0000523 J	0.0000993
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038	0.000239 B	0.000355 B	0.000634	0.001228 B
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
10/24/16	3868.52	38.79	3829.73	No								
10/25/16	3868.52			No	Unable to sample due to silt in pump.							
Field Point	**MW-7**	**Well Screen Interval (feet):**		**24.35-39.35**								
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288	0.00855	0.00879	0.00383 (a)	0.02117
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276	0.0215	0.0150	0.00284 (a)	**0.03934**
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167	<0.00971	<0.00971	<0.00971	<0.02913
09/20/08	3864.14			No								
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161	<0.00943	<0.00943	<0.00943	<0.02829
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122			0.00701 (b)	
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107	<0.0100	<0.0100	<0.0100	<0.0300
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160	0.00400	<0.00100	0.00227 (c)	0.00627
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356	0.00873 R1	0.00372	<0.00100 (c)	0.0125 R1
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300	0.000611	0.000558	0.000537	0.001706
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300			<0.005 (b)	<0.005
07/17/12	3865.67	33.96	3831.73	0.02								

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-7**		**Well Screen Interval (feet):**	**24.35-39.35**								
10/03/12	3865.67	34.16	3831.52	0.01								
05/14/13	3865.67	35.96	3829.98	0.32								
01/27/14	3865.67	35.22	3830.47	0.03								
06/17/14	3865.67	35.54	3830.13	Sheen								
11/18/14	3865.67	35.64	3830.03	Sheen								
12/07/15	3865.67	35.76	3829.92	0.01								
04/26/16	3865.67	36.00	3829.68	0.01								
10/24/16	3865.67	35.84	3829.83	(d)								
Field Point	**MW-8**		**Well Screen Interval (feet):**	**23.05-38.05**								
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236	0.00472	<0.000939	<0.000939 (a)	0.004720
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655	0.0201	0.0113	<0.00104 (a)	**0.03140**
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614	<0.00962	<0.00962	<0.00962	<0.02886
09/20/08	3863.80			No								
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151	<0.00980	<0.00980	<0.00980	<0.02940
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313			0.00521 (b)	
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620	0.00674 R1	0.00354 R1	<0.00103 (c)	0.01028 R1
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653	0.0101 R1	0.00430	<0.00100 (c)	0.0144 R1
10/12/11	3863.80			No	Not measured or sampled.							
02/22/12	3863.80	33.40	3830.42	0.02								
07/17/12	3865.32	33.80	3831.68	0.19								
10/03/12	3865.32	33.96	3831.58	0.26								
05/14/13	3865.32			No	Unable to locate - Presumed destroyed.							
01/27/14	3865.32			No	Unable to locate - Presumed destroyed.							
06/17/14	3865.32			No	Unable to locate - Presumed destroyed.							
12/07/15	3865.32			No	Unable to locate - Presumed destroyed.							
04/26/16	3865.32			No	Unable to locate - Presumed destroyed.							
10/24/16	3865.32			No	Unable to locate - Presumed destroyed.							
Field Point	**MW-9**		**Well Screen Interval (feet):**	**27.64-42.64**								
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003	<0.00099	<0.00099	<0.00099 (a)	<0.00297

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					***0.01***	***0.75***	***0.75***	***0.62***	***NA***	***NA***	***NA***	***0.03***
Field Point **MW-9**		***Well Screen Interval (feet):*** **27.64-42.64**										
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300	0.0148	0.00424	<0.00104 (a)	0.01904
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300	<0.00971	<0.00971	<0.00971	<0.02913
09/21/08	3868.29			No								
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00962	<0.00962	<0.00962	<0.02886
02/05/09	3868.29	35.16	3833.13	No	0.00585	<0.00100	<0.00100	<0.00300			<0.00500 (b)	
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971 (c)	<0.002913
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100 (c)	BDL
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000952	<0.000952	<0.000952	<0.000952
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300	<0.000952	<0.000952	0.00143	0.00143
07/17/12	3869.82	38.30	3831.52	No	0.00529	<0.00100	0.00654	0.0132	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**	0.537	0.795	0.0676	**1.3996**
05/14/13	3869.82	38.99	3830.88	0.06								
01/28/14	3869.82	40.12	3830.14	0.53								
06/17/14	3869.82	40.22	3829.84	0.29								
11/17/14	3869.82	40.35	3829.64	0.20								
12/07/15	3869.82	40.51	3829.51	0.24								
04/26/16	3869.82	40.68	3829.37	0.28								
10/24/16	3869.82	40.71	3829.33	0.27								
Field Point **MW-10**		***Well Screen Interval (feet):*** **28.08-43.08**										
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003	0.001	0.001	<0.001 (a)	0.001
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300	<0.00110	<0.00110	<0.00110 (a)	<0.00330
04/15/08	3868.85	34.76	3834.09	No	0.00599	<0.00100	<0.00100	<0.00300	<0.00971	<0.00971	<0.00971	<0.02913
09/21/08	3868.85			No								
09/26/08	3868.85	35.34	3833.51	No	0.00635	<0.00100	<0.00100	<0.00300	<0.0100	<0.0100	<0.0100	<0.0300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300			<0.00500 (b)	
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000980	0.00268	<0.000980 (c)	0.00268
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300				
11/19/09	3868.85	36.65	3832.20	No					0.0202 R1	0.0142 R1	<0.00105 (c)	**0.0344 R1**
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000943	<0.0000943	<0.0000943	<0.000943

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point MW-10		**Well Screen Interval (feet):** 28.08-43.08										
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300			<0.005 (b)	<0.005
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000706 J	0.0000706 J
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000757 J	0.0000757 J
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	0.0000594 J	0.0000594 J
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.							
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002	<0.000094	<0.000094	<0.000094	<0.000094
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.							
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.							
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.							
Field Point MW-11		**Well Screen Interval (feet):** 29.00-44.00										
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00971	<0.00971	<0.00971	<0.02913
09/21/08	3868.06			No								
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300	<0.00962	<0.00962	<0.00962	<0.02886
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300			<0.00500 (b)	
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	0.00334	<0.00100 (c)	0.00334
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00099	<0.00099	<0.00099 (c)	BDL
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300			<0.005 (b)	<0.005
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00194	<0.00194	<0.00500	<0.00500
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000534 J	0.0000534 J
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.0000191	<0.0000287	0.000425	0.000425
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/24/16	3869.58	40.49	3829.09	No								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-11**	**Well Screen Interval (feet):**		**29.00-44.00**								
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point	**MW-12**	**Well Screen Interval (feet):**		**30.00-45.00**								
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598	0.0316	0.0241	0.0327	**0.0884**
09/21/08	3867.74			No								
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**	0.0512	0.0613	0.0909	**0.2034**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**			0.12 (b)	
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**	0.0434	0.0534	0.0726	**0.1694**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**	0.159 R1	0.0808	0.12 (c)	**0.3598 R1**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**	0.0283 R1	0.0708	0.0236 (c)	**0.123 R1**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**	0.0406	0.063	0.0879	**0.1915**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**	0.0244	0.0396	0.0659	**0.1299**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562	0.0357	0.0394	0.0653	**0.1404**
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**	0.0464	0.0602	0.129	**0.2356**
05/14/13	3869.27	38.60	3830.67	Sheen								
01/28/14	3869.27	39.30	3830.04	0.09								
06/17/14	3869.27	39.60	3829.74	0.09								
11/17/14	3869.27	40.50	3829.54	0.93								
12/07/15	3869.27	40.66	3829.46	1.03								
04/26/16	3869.27	40.38	3829.33	0.53								
10/24/16	3869.27	40.34	3829.21	0.39								
Field Point	**MW-13**	**Well Screen Interval (feet):**		**30.00-45.00**								
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499	0.0279	0.0329	0.0366	**0.0974**
09/21/08	3867.11			No								
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**	<0.00980	<0.00980	0.0986	**0.0986**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**			0.118 (b)	
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**	0.0712	0.0888	0.121	**0.281**
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**	0.291 R1	0.147	0.120 (c)	**0.558 R1**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**	0.0325 R1	0.0743	0.0212 (c)	**0.128 R1**
10/13/11	3867.11	36.90	3831.00	0.95								
02/22/12	3867.11	37.78	3829.89	0.68								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-13**	**Well Screen Interval (feet):**		**30.00-45.00**								
07/17/12	3868.63	38.85	3831.86	2.50								
10/03/12	3868.63	39.02	3831.67	2.48								
05/14/13	3868.63	38.89	3831.30	1.88								
01/28/14	3868.63	39.91	3830.47	2.11								
06/17/14	3868.63	39.91	3830.19	1.77								
11/18/14	3868.63	41.56	3829.97	3.49								
12/07/15	3868.63	41.31	3829.94	3.16								
04/26/16	3868.63	40.12	3829.79	1.54								
10/24/16	3868.63	39.55	3829.87	0.95								
Field Point	**MW-14**	**Well Screen Interval (feet):**		**27.00-42.00**								
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341	<0.00971	<0.00971	<0.00971	<0.02913
09/21/08	3866.92			No								
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911	0.0103	0.0108	0.0120	**0.0331**
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166			0.0528 (b)	
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386	<0.00952	<0.00952	0.00956	0.00956
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444	0.0547 R1	0.0172	0.00923 (c)	**0.08113 R1**
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645	0.0506 R1	0.0186	0.00998 (c)	**0.0792 R1**
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044	0.00459	0.00418	0.00579	0.01456
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212	0.00479	0.00428	0.0071	0.01617
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535	0.00521	0.005	0.0137	0.02391
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179	0.00625	0.0072	0.0118	0.02525
05/14/13	3868.47	38.39	3831.27	1.43								
01/28/14	3868.47	38.81	3830.55	1.07								
06/17/14	3868.47	38.76	3830.27	0.67								
11/18/14	3868.47	40.75	3830.04	2.79								
12/07/15	3868.47	41.49	3830.03	3.68								
04/26/16	3868.47	40.85	3829.87	2.71								
10/24/16	3868.47	40.86	3830.05	2.94								
Field Point	**MW-15**	**Well Screen Interval (feet):**		**29.00-44.00**								
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554	0.0318	0.0395	0.0367	**0.108**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-15**	**Well Screen Interval (feet):**		**29.00-44.00**								
09/21/08	3867.19			No								
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**	0.0636	0.0825	0.0902	**0.2363**
02/15/09	3867.19	33.82	3833.44	0.09								
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**	0.0380	0.0484	0.0658	**0.1522**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	**0.892**	**0.799**	**2.25**	0.202 R1	0.118	0.1690 (c)	**0.489 R1**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**	0.0407 R1	0.0225	0.0274 (c)	**0.0906 R1**
10/13/11	3867.19	38.04	3831.01	2.24								
02/22/12	3867.19	38.41	3830.71	2.32								
07/17/12	3868.74	38.20	3832.03	1.80								
10/03/12	3868.74	39.95	3831.57	3.35								
05/14/13	3868.74	40.11	3831.12	3.00								
01/28/14	3868.74	40.21	3830.47	2.34								
06/17/14	3868.74	39.35	3830.19	0.96								
11/18/14	3868.74	39.76	3830.13	1.39								
12/07/15	3868.74	40.31	3830.25	2.19								
04/26/16	3868.74	39.61	3829.89	0.91								
10/24/16	3868.74	38.70	3830.41	0.44								
Field Point	**MW-16**	**Well Screen Interval (feet):**		**26.50-41.50**								
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376	<0.0103	<0.0103	<0.0103	<0.0309
09/21/08	3867.02			No								
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790	<0.00943	<0.00943	<0.00943	<0.02829
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634			0.0228 (b)	
05/18/09	3867.02	33.73	3833.29	No	0.00670	<0.00100	0.0488	0.0526	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797	0.00603 R10	0.0127 R1	0.00429 R1 (c)	0.02302 R10, R1
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564				
10/30/09 D	3867.02	34.17	3832.85	No	0.00576	<0.00100	0.0350	0.122	0.0405 R1	0.0124	0.00791 (c)	**0.0608 R1**
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342	0.00158	0.00124	0.00154	0.00436
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300	0.00113	0.00090	0.00122	0.003245
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050	0.00229	<0.00190	<0.00500	0.00229
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700	0.00429	<0.00189	0.00855	0.01284
05/14/13	3868.54	38.05	3831.20	0.86								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-16**	**Well Screen Interval (feet):**		**26.50-41.50**								
01/27/14	3868.54	39.11	3830.67	1.49								
06/17/14	3868.54	39.10	3830.32	1.06								
11/18/14	3868.54	38.88	3830.44	0.94								
12/07/15	3868.54	38.61	3830.52	0.71								
04/26/16	3868.54	39.23	3830.02	0.85								
10/24/16	3868.54	38.36	3830.61	0.52								
Field Point	**MW-17**	**Well Screen Interval (feet):**		**29.50-44.50**								
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**	0.188 R1	0.0768	0.134 (c)	**0.3988 R1**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**	0.193 R1		0.134 (c)	**0.327 R1**
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524	0.0364	0.0556	0.0798	**0.1718**
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	0.727	**1.16**			0.0781 (b)	**0.0781**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438	0.0256	0.0306	0.0429	**0.0991**
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**	0.0325	0.0402	0.0865	**0.1592**
05/14/13	3869.14	38.52	3830.62	Sheen								
01/28/14	3869.14	39.14	3830.00	Sheen								
06/17/14	3869.14	39.43	3829.71	Sheen								
11/07/14	3869.14	39.64	3829.50	Sheen								
12/09/15	3869.14	39.72	3829.42	Sheen								
04/26/16	3869.14	38.36	3830.78	Sheen								
10/24/16	3869.14	39.93	3829.21	(d)								
Field Point	**MW-18**	**Well Screen Interval (feet):**		**27.00-42.00**								
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**	0.141 R1	0.0193	0.0213 (c)	**0.1816 R1**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**	0.189 R1	0.0696	0.110 (c)	**0.369 R1**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108	0.0292	0.0431	0.0414	**0.1137**
02/22/12	3867.31	36.59	3830.73	0.01								
07/17/12	3868.79	37.30	3831.82	0.40								
10/03/12	3868.79	38.20	3831.34	0.90								
05/14/13	3868.79	38.23	3831.22	0.80								
01/28/14	3868.79	38.92	3830.53	0.80								
06/17/14	3868.79	38.99	3830.26	0.56								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					***0.01***	***0.75***	***0.75***	***0.62***	***NA***	***NA***	***NA***	***0.03***
Field Point **MW-18**		***Well Screen Interval (feet):*** **27.00-42.00**										
11/17/14	3868.79	39.12	3830.04	0.44								
12/07/15	3868.79	39.15	3829.92	0.34								
04/26/16	3868.79	39.36	3829.77	0.41								
10/24/16	3868.79	39.19	3829.77	0.21								
Field Point **MW-19**		***Well Screen Interval (feet):*** **27.00-42.00**										
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100 (c)	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102 (c)	BDL
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000971	<0.0000971	<0.0000971	<0.0000971
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329			<0.005 (b)	<0.005
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018	<0.00000943	<0.00000943	<0.0000189	<0.0000189
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.00002	<0.00003	0.00022 B	0.00022 B
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714	0.00147	0.000304	0.00156	0.003334
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569	0.000582	<0.0000939	0.000772	0.001354
10/24/16	3868.75	38.86	3829.89	No								
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343	<0.0000935	<0.0000935	<0.0000935	
Field Point **MW-20**		***Well Screen Interval (feet):*** **29.50-44.50**										
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971 (c)	<0.002913
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000952	<0.000952	<0.000952 (c)	BDL
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.0000192	<0.0000288	0.000265 B	0.000265 B
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098	<0.0001	<0.0001	<0.0001	<0.0001

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					***0.01***	***0.75***	***0.75***	***0.62***	***NA***	***NA***	***NA***	***0.03***
Field Point **MW-20**		***Well Screen Interval (feet):***	**29.50-44.50**									
12/07/15	3868.97	39.90	3829.83	0.92								
04/26/16	3868.97	40.04	3829.70	0.93								
10/24/16	3868.97	40.50	3829.60	1.36								
Field Point **MW-21**		***Well Screen Interval (feet):***	**29.50-44.50**									
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300	0.00156	<0.000980	<0.000980 (c)	0.00156
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100 (c)	BDL
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.000099	<0.000099	<0.000099	<0.00009
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300			<0.005 (b)	<0.005
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018	<0.00000943	<0.00000943	<0.0000189	<0.0000189
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.000019	<0.0000284	0.000155 B	0.000155 B
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/24/16	3868.89	39.13	3829.76	No								
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point **MW-22**		***Well Screen Interval (feet):***	**30.00-45.00**									
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102 (c)	BDL
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000188
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000189	<0.0000283	<0.0000189	<0.0000283
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.0000194	<0.0000291	0.000278 B	0.000278 B
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-22**	**Well Screen Interval (feet):**		**30.00-45.00**								
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/24/16	3869.73	40.82	3828.91	No								
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point	**MW-23**	**Well Screen Interval (feet):**		**31.00-46.00**								
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.00192	<0.00192	<0.00500	<0.00500
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018	<0.00000952	<0.00000952	<0.000019	<0.000019
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038	<0.0000204	<0.0000306	0.0000606 J B	0.000606 J B
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300	0.00669	0.00559	0.0125	0.02478
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150	0.00497	0.00409	0.00754	0.0166
10/24/16	3869.08	34.35	3834.82	0.11								
Field Point	**MW-24**	**Well Screen Interval (feet):**		**28.00-43.00**								
02/22/12	3866.60	35.74	3830.89	0.04								
07/17/12	3867.88	39.70	3831.62	4.15								
10/03/12	3867.88	40.09	3831.40	4.35								
05/14/13	3867.88	38.05	3831.35	1.83								
01/28/14	3867.88	41.92	3830.28	5.21								
06/17/14	3867.88	43.09	3830.04	6.33								
11/18/14	3867.88	43.30	3829.98	6.50								
12/07/15	3867.88	42.51	3829.94	5.50								
04/27/16	3867.88	41.39	3829.54	3.68								
10/24/16	3867.88	42.33	3830.00	5.36								
Field Point	**MW-25**	**Well Screen Interval (feet):**		**28.00-43.00**								
02/22/12	3867.61	37.00	3830.61	No	**8.7**	**1.12**	**0.911**	**2.7**	0.0427	0.0688	0.0939	**0.2054**
07/17/12	3868.99	37.84	3831.58	0.52								
10/03/12	3868.99	38.92	3830.91	1.01								

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62	NA	NA	NA	0.03
Field Point	**MW-25**	***Well Screen Interval (feet):***	**28.00-43.00**									
05/14/13	3868.99	40.02	3830.99	2.43								
01/28/14	3868.99	41.72	3830.26	3.60								
06/17/14	3868.99	41.74	3829.99	3.30								
11/17/14	3868.99	41.45	3829.77	2.69								
12/07/15	3868.99	40.96	3829.73	2.05								
04/26/16	3868.99	40.00	3829.57	0.70								
10/24/16	3868.99	41.03	3829.53	1.89								
Field Point	**MW-26**	***Well Screen Interval (feet):***	**30.00-45.00**									
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058	0.000048 J	<0.0000282	0.0000818 J	0.0001298
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038	<0.0000189	<0.0000283	0.000394 B	0.000391 B
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300	0.000130	0.0000991	0.000370	0.0005991
10/24/16	3868.98	39.81	3829.17	No								
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000935	<0.0000935	<0.0000935	
Field Point	**SB-1GW**	***Grab Groundwater Sample***										
10/28/11				No	0.00719	<0.00100	<0.00100	<0.00300	0.000462	0.000144	0.000115	0.000721
Field Point	**SB-2GW**	***Grab Groundwater Sample***										
10/28/11				No	**1.88**	0.0938	0.138	0.26	0.00625	0.00883	0.00922	0.0243
Field Point	**SB-3GW**	***Grab Groundwater Sample***										
10/28/11				No	**1.94**	**2.42**	**0.986**	**2.27**	0.039	0.0606	0.0835	**0.1831**
Field Point	**SB-4GW**	***Grab Groundwater Sample***										
10/28/11				No	**3.91**	0.0703	0.587	**1.15**	0.0084	0.00967	0.0137	**0.03177**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Naphthalene (mg/l)	Total Naphthalenes (mg/l)
NMED WQCC HHS					***0.01***	***0.75***	***0.75***	***0.62***	***NA***	***NA***	***NA***	***0.03***
Field Point	**SB-5GW**	***Grab Groundwater Sample***										
10/28/11				No	**2.9**	0.024	0.034	0.218	0.0182	0.0269	0.0499	**0.095**
Field Point	**SB-6GW**	***Grab Groundwater Sample***										
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300	0.000291	0.000437	0.000505	0.001233
Field Point	**SB-7GW**	***Grab Groundwater Sample***										
10/28/11				No	**0.135**	0.00135	0.0263	0.0759	0.00281	0.00367	0.0047	0.01118

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-1**	***Well Screen Interval (feet):*** **22.71-42.71**												
05/17/04													
11/30/04													
05/05/05													
07/24/06	<0.00101	<0.00101	0.141	0.0165	**0.00260**	0.000971	<0.000202	0.00128	0.0111	<0.000202	0.0788	0.00614	<0.000202
02/08/07	<0.00105	<0.00526	<0.00526	0.00603	<0.000105	0.00267	<0.000211	0.000886	0.00615	0.0104	0.153	0.0153	<0.000211
04/15/08													
09/21/08													
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
02/15/09													
05/19/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
08/19/09	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	0.0369	0.0358 R1	0.0321 R1	0.323	0.0550 R1	1.660 R1	0.0895	0.0210
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000992	<0.000200	0.00634 R1	0.00163	<0.000200
10/12/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/27/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-1** ***Well Screen Interval (feet):*** **22.71-42.71**													
10/24/16													
Field Point **MW-2** ***Well Screen Interval (feet):*** **27.59-47.59**													
05/17/04													
11/30/04													
05/05/05													
07/25/06	<0.000939	<0.00217	0.228	0.0300	**0.00533**	0.0173	0.000665	0.00101	0.0420	0.00186	0.155	0.00823	<0.000188
02/08/07	<0.00109	<0.00543	0.142	0.0128	<0.000109	0.00297	<0.000217	0.00150	0.00802	0.0156	0.0491	0.0174	<0.000217
04/15/08													
09/22/08													
09/26/08	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
02/15/09													
05/19/09													
08/19/09	<0.00513	<0.0256	0.0783 R12	0.157	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	0.311	0.0530 R1	0.673 R1	0.0992	0.0216
10/30/09	<0.00100	<0.00500	<0.00100	0.00507 R1	0.000684 R1	0.00124 R1	0.00133 R1	0.00166 R1	0.0104	0.00390 R1	0.0400 R1	0.00407	<0.000200
10/12/11													
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/27/14													
06/17/14													
12/07/15													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-2**	***Well Screen Interval (feet):*** **27.59-47.59**												
04/26/16													
10/24/16													
Field Point **MW-3**	***Well Screen Interval (feet):*** **24.20-44.20**												
05/17/04													
11/30/04													
05/05/05													
07/24/06	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213
02/08/07	<0.00111	<0.00556	0.0914	0.00885	**0.00172**	0.00209	<0.000222	0.00121	0.00849	0.0136	0.0437	0.012	<0.000222
04/15/08													
09/22/08													
09/26/08	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
02/15/09													
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
08/19/09	<0.00103	<0.00513	0.00966 R12	0.0234 R1	**0.00225 R1**	0.00490 R1	0.00422 R1	0.00416 R1	0.0461	0.00630 R1	0.0907 R1	0.00825	0.00271
10/30/09	<0.000990	<0.00495	0.00168 R12	0.00741 R1	0.000418 R1	0.00208 R1	0.00254 R1	0.00286 R1	0.0147	0.00554 R1	0.0537 R1	0.00478	<0.000198
10/12/11													
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/27/14													
06/17/14													

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-3**	***Well Screen Interval (feet):*** **24.20-44.20**												
11/18/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-4**	***Well Screen Interval (feet):*** **23.97-38.97**												
07/25/06	<0.000939	0.0026	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	0.000947	<0.000188
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	0.0168	0.0023	<0.000208
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/21/08													
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
02/15/09													
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.00217	<0.000194	0.00365 R1	0.00126	0.000459 R1
10/30/09	<0.000990	<0.00495	<0.000990	0.0124 R1	<0.000099	0.00316 R1	0.00467 R1	0.00399 R1	0.00447	0.00919 R1	0.103 R1	0.0092	<0.000198
10/12/11													
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/27/14													
06/17/14													
11/18/14													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point	**MW-4**	***Well Screen Interval (feet):***	**23.97-38.97**											
12/07/15														
04/26/16														
10/24/16														
Field Point	**MW-5**	***Well Screen Interval (feet):***	**27.19-47.19**											
07/20/06		<0.00472	0.00565	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	0.000356	<0.000189	0.00309	<0.000472	<0.000189
02/07/07		<0.00118	<0.00588	0.0113	<0.000235	<0.000118	<0.000118	<0.000235	<0.000165	<0.000118	<0.000235	0.00227	0.00233	<0.000235
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/21/08														
09/26/08		<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
02/06/09														
02/06/09	D													
05/19/09		<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
08/19/09		<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.000639	<0.000194	0.00253 R1	0.00241	<0.000194
08/19/09	D	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	0.000191 R1	<0.000196	<0.000137	0.000994	<0.000196	0.00269 R1	0.00206 R1	<0.000196
10/30/09		<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	0.000313	<0.000204	0.00349 R1	0.00213	<0.000204
10/12/11		0.000367	0.000178	0.000144	0.000122	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.00167	<0.000111
10/12/11	D													
02/22/12														
02/22/12	D													
07/17/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00202	<0.00190
07/17/12	D	<0.00190	<0.00190	0.00214	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00218	<0.00190	<0.00190
10/03/12		<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	0.00253	<0.00196

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-5**		***Well Screen Interval (feet):*** **27.19-47.19**												
10/03/12	D	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00249	<0.00189
05/15/13														
01/28/14														
06/18/14														
11/18/14														
12/07/15														
04/26/16														
10/24/16														
Field Point **MW-6**		***Well Screen Interval (feet):*** **27.05-42.05**												
07/21/06		<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189
02/07/07		<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	0.000637	<0.000222
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/21/08														
09/26/08		<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
02/06/09														
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09		<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/30/09														
11/19/09		<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/13/11		<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
02/22/12														
07/17/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-6**	***Well Screen Interval (feet):*** **27.05-42.05**												
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.0002	<0.0000187
01/28/14	0.0000215 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000178	<0.0000188
06/18/14	0.0000949	<0.0000284	<0.0000284	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000284	0.0000517 J	<0.000019
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000168	<0.0000952
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952
10/24/16													
10/25/16													
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**												
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188
02/07/07	<0.00109	<0.00543	<0.00109	<0.000217	<0.000109	<0.000109	<0.000217	<0.000152	<0.000109	<0.000217	<0.000217	0.000772	<0.000217
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/20/08													
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
02/05/09													
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00135	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00149	<0.000200
10/13/11	0.000116	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.000547	<0.000105
02/22/12													
07/17/12													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**												
10/03/12													
05/14/13													
01/27/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-8**	***Well Screen Interval (feet):*** **23.05-38.05**												
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
09/20/08													
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
02/05/09													
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00101	<0.000205
10/30/09	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	0.0001	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.0012	<0.000200
10/12/11													
02/22/12													
07/17/12													
10/03/12													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-8**	***Well Screen Interval (feet):*** **23.05-38.05**												
05/14/13													
01/27/14													
06/17/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-9**	***Well Screen Interval (feet):*** **27.64-42.64**												
07/21/06	<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198
02/06/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08													
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
02/05/09													
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/13/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377
05/14/13													
01/28/14													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-9**		***Well Screen Interval (feet):*** **27.64-42.64**												
06/17/14														
11/17/14														
12/07/15														
04/26/16														
10/24/16														
Field Point **MW-10**		***Well Screen Interval (feet):*** **28.08-43.08**												
07/21/06		0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200
02/06/07		<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	0.000831	<0.000220
04/15/08		<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08														
09/26/08		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
02/05/09														
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09		<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/30/09														
11/19/09		<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	0.000683	<0.000211
10/13/11		<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943
02/22/12														
07/17/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
05/15/13		<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00021	<0.0000187
05/15/13	D	0.0000462 J	<0.0000374	0.000024 J	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00033	<0.0000187

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-10**		***Well Screen Interval (feet):*** **28.08-43.08**												
01/29/14		0.0000594 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000258	<0.0000188
06/18/14														
11/19/14		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001
11/19/14	D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094
12/07/15														
04/26/16														
10/24/16														
Field Point **MW-11**		***Well Screen Interval (feet):*** **29.00-44.00**												
04/30/08		<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08														
09/26/08		<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
02/05/09														
05/18/09		<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09		<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/30/09		<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198
10/13/11		<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099
02/22/12														
07/17/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12		<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194
05/15/13		<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/28/14		<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14		<0.0000191	<0.0000287	<0.0000287	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000287	<0.0000191	<0.0000191

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-11**	***Well Screen Interval (feet):*** **29.00-44.00**												
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16													
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-12**	***Well Screen Interval (feet):*** **30.00-45.00**												
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
09/21/08													
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
02/05/09													
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000145	<0.000200	0.00136 R1	0.00203	<0.000200
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	0.00169	<0.000204
10/13/11	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099
02/22/12	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943
07/17/12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/14/13													
01/28/14													
06/17/14													
11/17/14													
12/07/15													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-12**	***Well Screen Interval (feet):*** **30.00-45.00**												
04/26/16													
10/24/16													
Field Point **MW-13**	***Well Screen Interval (feet):*** **30.00-45.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08													
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980
02/06/09													
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205
10/30/09	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	0.00642	0.00300 R1	0.0247 R1	0.00331	<0.000194
10/13/11													
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/28/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													
10/24/16													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-14**	***Well Screen Interval (feet):*** **27.00-42.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08													
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
02/06/09													
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	0.000797	<0.000194
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	0.00123	<0.000200
10/13/11	0.0002	<0.0000952	0.000429	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.00114	<0.0000952
02/22/12	0.000222	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.0013	<0.000111
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/14/13													
01/28/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08													
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**												
02/15/09													
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	0.000857	<0.000205	0.00315 R1	0.00229	<0.000205
10/30/09	<0.000980	<0.00490	<0.000980	0.00384 R1	<0.000098	0.000723 R1	0.00128 R1	0.00191 R1	0.00786	0.00345 R1	0.0300 R1	0.00380	<0.000196
10/13/11													
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/28/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-16**	***Well Screen Interval (feet):*** **26.50-41.50**												
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103
09/21/08													
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
02/06/09													
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00109	<0.000205

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-16**	***Well Screen Interval (feet):*** **26.50-41.50**												
10/30/09													
10/30/09 D													
10/13/11	0.000238	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.0017	<0.0000952
02/22/12	0.000217	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00153	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/14/13													
01/27/14													
06/17/14													
11/18/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	**0.000774 R1**	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	0.00180	<0.000200
10/13/11	0.000307	0.000515	0.0016	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00178	<0.000099
02/22/12													
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/14/13													
01/28/14													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**												
06/17/14													
11/07/14													
12/09/15													
04/26/16													
10/24/16													
Field Point **MW-18**	***Well Screen Interval (feet):*** **27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/28/14													
06/17/14													
11/17/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**												
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
02/22/12													
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939
10/24/16													
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-20**	***Well Screen Interval (feet):*** **29.50-44.50**												
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-20**	***Well Screen Interval (feet):*** **29.50-44.50**												
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-21**	***Well Screen Interval (feet):*** **29.50-44.50**												
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12													
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000190	<0.0000284	<0.0000284	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000284	<0.0000190	<0.0000190
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16													
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-22**	***Well Screen Interval (feet):*** **30.00-45.00**												
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
01/29/14 D													
06/18/14	<0.0000194	<0.0000291	<0.0000291	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000291	<0.0000194	<0.0000191
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16													
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-23**	***Well Screen Interval (feet):*** **31.00-46.00**												
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188
06/18/14	<0.0000204	<0.0000306	<0.0000306	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000306	<0.0000204	<0.0000204
11/18/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-23**	***Well Screen Interval (feet):*** **31.00-46.00**												
12/08/15	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000220	<0.000190
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000280	<0.0000939
10/24/16													
Field Point **MW-24**	***Well Screen Interval (feet):*** **28.00-43.00**												
02/22/12													
07/17/12													
10/03/12													
05/14/13													
01/28/14													
06/17/14													
11/18/14													
12/07/15													
04/27/16													
10/24/16													
Field Point **MW-25**	***Well Screen Interval (feet):*** **28.00-43.00**												
02/22/12	0.000168	0.000179	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.00232	<0.000105
07/17/12													
10/03/12													
05/14/13													
01/28/14													
06/17/14													

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-25**	***Well Screen Interval (feet):*** **28.00-43.00**												
11/17/14													
12/07/15													
04/26/16													
10/24/16													
Field Point **MW-26**	***Well Screen Interval (feet):*** **30.00-45.00**												
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000189	<0.0000283	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16													
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **SB-1GW**	***Grab Groundwater Sample***												
10/28/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
Field Point **SB-2GW**	***Grab Groundwater Sample***												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **SB-3GW** ***Grab Groundwater Sample***													
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098
Field Point **SB-4GW** ***Grab Groundwater Sample***													
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098
Field Point **SB-5GW** ***Grab Groundwater Sample***													
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098
Field Point **SB-6GW** ***Grab Groundwater Sample***													
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
Field Point **SB-7GW** ***Grab Groundwater Sample***													
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-1**	***Well Screen Interval (feet):*** **22.71-42.71**				
05/17/04					
11/30/04					
05/05/05					
07/24/06	0.0639 (a)	0.00434	0.0246	0.194	0.109
02/08/07	0.139 (a)	0.0489	0.0493	0.178	0.300
04/15/08					
09/21/08					
09/26/08	0.0553	<0.0100	<0.0100	0.0400	0.0522
02/15/09					
05/19/09	0.0461	<0.0100	<0.0100	0.0313	0.0403
08/19/09	0.627 (c)	1.620 R1	1.470 R1	3.940 R1	1.940
10/30/09	0.0746 (c)	0.0132 R1	0.00554 R1	0.118 R1	0.0573
10/12/11		<0.0000952	<0.0000952		
02/22/12					
07/17/12					
10/03/12					
05/14/13					
01/27/14					
06/17/14					
11/18/14					
12/07/15					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-1**	***Well Screen Interval (feet):*** **22.71-42.71**				
04/26/16					
10/24/16					
Field Point **MW-2**	***Well Screen Interval (feet):*** **27.59-47.59**				
05/17/04					
11/30/04					
05/05/05					
07/25/06	0.0211 (a)	0.0603	0.0333	0.163	0.0696
02/08/07	0.0208 (a)	0.232	0.075	0.258	0.238
04/15/08					
09/22/08					
09/26/08	0.117	<0.0971	<0.0971	0.201	0.287
02/15/09					
05/19/09					
08/19/09	0.730 (c)	1.660 R1	1.410 R1	5.070 R1	2.750
10/30/09	0.0514 (c)	0.0382 R1	0.0545 R1	0.0975 R1	0.0781
10/12/11					
02/22/12					
07/17/12					
10/03/12					
05/14/13					
01/27/14					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-2**	***Well Screen Interval (feet):*** **27.59-47.59**				
06/17/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-3**	***Well Screen Interval (feet):*** **24.20-44.20**				
05/17/04					
11/30/04					
05/05/05					
07/24/06	0.0315 (a)	0.0357	0.0182	0.161	0.0752
02/08/07	0.053 (a)	0.191	0.0557	0.220	0.255
04/15/08					
09/22/08					
09/26/08	0.0146	<0.0105	<0.0105	0.0154	0.0162
02/15/09					
05/19/09	0.0164	<0.0105	<0.0105	0.0199	0.0215
08/19/09	0.0353 R1 (c)	0.146 R1	0.161 R1	0.245	0.0885
10/30/09	0.00943 (c)	0.0451 R1	0.0738 R1	0.153 R1	0.0482
10/12/11					
02/22/12					
07/17/12					
10/03/12					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-3**	***Well Screen Interval (feet):*** **24.20-44.20**				
05/14/13					
01/27/14					
06/17/14					
11/18/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-4**	***Well Screen Interval (feet):*** **23.97-38.97**				
07/25/06	0.0227 (a)	<0.000469	<0.000188	0.0373	0.0286
02/07/07	0.027 (a)	0.00901	0.0117	0.0553	0.147
04/15/08	0.0406	<0.00990	<0.00990	0.0320	0.0428
09/21/08					
09/26/08	0.0397	<0.00980	<0.00980	0.0271	0.0392
02/15/09					
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
08/19/09	0.0369 (c)	0.0143 R1	0.00854 R1	0.0578	0.0509
10/30/09	0.0645 (c)	0.0949 R1	0.158 R1	0.311 R1	0.163
10/12/11					
02/22/12					
07/17/12					
10/03/12					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***NA***
Field Point	**MW-4**	***Well Screen Interval (feet):***	**23.97-38.97**			
05/14/13						
01/27/14						
06/17/14						
11/18/14						
12/07/15						
04/26/16						
10/24/16						
Field Point	**MW-5**	***Well Screen Interval (feet):***	**27.19-47.19**			
07/20/06		0.0589 (a)	0.00483	<0.000189	0.0914	0.0563
02/07/07		0.117 (a)	0.0075	0.0037	0.105	0.218
04/15/08		0.0693	<0.00990	<0.00990	0.0451	0.0547
09/21/08						
09/26/08		0.074	<0.0962	<0.0962	0.0443	0.605
02/06/09		0.0958 (b)				
02/06/09	D	0.0932 (b)				
05/19/09		0.0873	<0.0526	<0.0526	0.0573	0.0676
08/19/09		0.105 (c)	0.0194 R1	0.00619 R1	0.189 R1	0.103
08/19/09	D	0.0954 (c)	0.0192 R1	0.00682 R1	0.171 R1	0.0707
10/30/09		0.0191 (c)	0.0127 R1	0.00378 R1	0.0375 R12	0.0641
10/12/11		0.0402 (b)	0.00146	0.000111	0.0216	0.0287
10/12/11	D	0.0553 (b)				

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***NA***
Field Point	**MW-5**	***Well Screen Interval (feet):***	**27.19-47.19**			
02/22/12		0.0645 (b)				
02/22/12	D	0.0604 (b)				
07/17/12		0.0558	<0.00190	<0.00190	0.0229	0.0248
07/17/12	D	0.0568	0.00214	<0.00190	0.0245	0.0270
10/03/12		0.0771	0.00241	<0.00196	0.0296	0.0310
10/03/12	D	0.0833	0.00218	<0.00189	0.0265	0.0299
05/15/13						
01/28/14						
06/18/14						
11/18/14						
12/07/15						
04/26/16						
10/24/16						
Field Point	**MW-6**	***Well Screen Interval (feet):***	**27.05-42.05**			
07/21/06		<0.000943 (a)	<0.000472	<0.000189	<0.000943	0.00641
02/07/07		<0.00111 (a)	<0.000556	<0.000222	<0.00111	<0.00111
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/21/08						
09/26/08		<0.00943	<0.0962	<0.0962	<0.00943	<0.00943
02/06/09		<0.00500 (b)				
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-6**	***Well Screen Interval (feet):*** **27.05-42.05**				
08/19/09	<0.00100 (c)	<0.000500	<0.000200	<0.00100	<0.00100
10/30/09					
11/19/09	<0.000980	<0.000490	<0.0.000196	<0.000980	<0.000980
10/13/11		<0.0000962	<0.0000962		
02/22/12	<0.00500 (b)				
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	0.0000629 J	0.0000764 J	<0.0000561	<0.00000935	<0.00000935
01/28/14	0.0000523 J	0.0000523 J	<0.0000188	<0.0000188	<0.0000282
06/18/14	0.000634	0.0000518 J	<0.000019	0.000239 B	0.000355 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
10/24/16					
10/25/16					
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**				
07/25/06	0.00383 (a)	<0.000469	<0.000188	0.00855	0.00879
02/07/07	0.00284 (a)	<0.000543	<0.000217	0.0215	0.0150
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/20/08					
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**				
02/05/09	0.00701 (b)				
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
08/19/09	0.00227 (c)	<0.000500	0.000665	0.00400	<0.00100
10/30/09	<0.00100 (c)	<0.000500	0.000609 R1	0.00873 R1	0.00372
10/13/11	0.000537	0.000147	<0.000105	0.000611	0.000558
02/22/12	<0.005 (b)				
07/17/12					
10/03/12					
05/14/13					
01/27/14					
06/17/14					
11/18/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-8**	***Well Screen Interval (feet):*** **23.05-38.05**				
07/25/06	<0.000939 (a)	<0.000469	<0.000188	0.00472	<0.000939
02/07/07	<0.00104 (a)	<0.000521	<0.000208	0.0201	0.0113
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
09/20/08					
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-8**	***Well Screen Interval (feet):*** **23.05-38.05**				
02/05/09	0.00521 (b)				
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00103 (c)	<0.000513	0.000657	0.00674 R1	0.00354 R1
10/30/09	<0.00100 (c)	0.0005	0.000518	0.0101 R1	0.00430
10/12/11					
02/22/12					
07/17/12					
10/03/12					
05/14/13					
01/27/14					
06/17/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-9**	***Well Screen Interval (feet):*** **27.64-42.64**				
07/21/06	<0.00099 (a)	<0.000495	<0.000198	<0.00099	<0.00099
02/06/07	<0.00104 (a)	<0.000521	<0.000208	0.0148	0.00424
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08					
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
02/05/09	<0.00500 (b)				

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-9**	***Well Screen Interval (feet):*** **27.64-42.64**				
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971 (c)	<0.000485	<0.000194	<0.000971	<0.000971
10/30/09	<0.00100 (c)	<0.000500	0.00101	<0.00100	<0.00100
10/13/11	<0.000952	<0.0000952	<0.0000952	<0.000952	<0.000952
02/22/12	0.00143	<0.0000952	<0.0000952	<0.000952	<0.000952
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	0.0676	0.0941	0.00931	0.537	0.795
05/14/13					
01/28/14					
06/17/14					
11/17/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-10**	***Well Screen Interval (feet):*** **28.08-43.08**				
07/21/06	<0.001 (a)	<0.0005	<0.000200	0.001	0.001
02/06/07	<0.00110 (a)	<0.00549	<0.000220	<0.00110	<0.00110
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08					
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
02/05/09	<0.00500 (b)				

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-10**		***Well Screen Interval (feet):*** **28.08-43.08**				
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09		<0.000980 (c)	<0.000490	<0.000196	<0.000980	0.00268
10/30/09						
11/19/09		<0.00105 (c)	<0.000526	0.000935 R1	0.0202 R1	0.0142 R1
10/13/11		<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
02/22/12		<0.005 (b)				
07/17/12		<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12		<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
05/15/13		0.0000706 J	0.0000876 J	<0.0000561	<0.00000935	<0.00000935
05/15/13	D	0.0000757 J	<0.0000561	<0.0000561	<0.00000935	<0.00000935
01/29/14		0.0000594 J	<0.0000282	<0.0000188	<0.0000188	<0.0000282
06/18/14						
11/19/14		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14	D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/07/15						
04/26/16						
10/24/16						
Field Point **MW-11**		***Well Screen Interval (feet):*** **29.00-44.00**				
04/30/08		<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08						
09/26/08		<0.00962	<0.00962	<0.00962	<0.00962	<0.00962

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-11**	***Well Screen Interval (feet):*** **29.00-44.00**				
02/05/09	<0.00500 (b)				
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09	<0.00100 (c)	<0.000500	<0.000200	<0.00100	0.00334
10/30/09	<0.00099 (c)	<0.000495	<0.000198	<0.00099	<0.00099
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.005 (b)				
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00194	<0.00194	<0.00194	<0.00194
05/15/13	0.0000534 J	<0.0000561	<0.0000561	<0.00000935	<0.00000935
01/28/14	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282
06/18/14	0.000425	<0.0000287	<0.0000191	<0.0000191	<0.0000287
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16					
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-12**	***Well Screen Interval (feet):*** **30.00-45.00**				
04/30/08	0.0327	<0.010	<0.010	0.0316	0.0241
09/21/08					
09/26/08	0.0909	<0.00943	<0.00943	0.0512	0.0613
02/05/09	0.12 (b)				

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-12**	***Well Screen Interval (feet):*** **30.00-45.00**				
05/19/09	0.0726	<0.00952	<0.00952	0.0434	0.0534
08/19/09	0.12 (c)	<0.000500	<0.000200	0.159 R1	0.0808
10/30/09	0.0236 (c)	0.0111 R1	0.00257 R1	0.0283 R1	0.0708
10/13/11	0.0879	0.00165	<0.000099	0.0406	0.063
02/22/12	0.0659	0.000991	<0.0000943	0.0244	0.0396
07/17/12	0.0653	<0.002	<0.002	0.0357	0.0394
10/03/12	0.129	<0.00189	<0.00189	0.0464	0.0602
05/14/13					
01/28/14					
06/17/14					
11/17/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-13**	***Well Screen Interval (feet):*** **30.00-45.00**				
04/30/08	0.0366	<0.00971	<0.00971	0.0279	0.0329
09/21/08					
09/26/08	0.0986	<0.0980	<0.0980	<0.00980	<0.00980
02/06/09	0.118 (b)				
05/19/09	0.121	<0.0476	<0.0476	0.0712	0.0888
08/19/09	0.120 (c)	0.0458 R1	0.0277 R1	0.291 R1	0.147

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-13**	***Well Screen Interval (feet):*** **30.00-45.00**				
10/30/09	0.0212 (c)	0.0238 R1	0.0369 R1	0.0325 R1	0.0743
10/13/11					
02/22/12					
07/17/12					
10/03/12					
05/14/13					
01/28/14					
06/17/14					
11/18/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-14**	***Well Screen Interval (feet):*** **27.00-42.00**				
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/21/08					
09/26/08	0.0120	<0.00980	<0.00980	0.0103	0.0108
02/06/09	0.0528 (b)				
05/19/09	0.00956	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	0.00923 (c)	0.00411 R1	0.00109	0.0547 R1	0.0172
10/30/09	0.00998 (c)	0.00441 R1	0.00135 R1	0.0506 R1	0.0186
10/13/11	0.00579	0.000381	<0.0000952	0.00459	0.00418

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-14**	***Well Screen Interval (feet):*** **27.00-42.00**				
02/22/12	0.0071	0.000644	<0.000111	0.00479	0.00428
07/17/12	0.0137	<0.00190	<0.00190	0.00521	0.005
10/03/12	0.0118	<0.00189	<0.00189	0.00625	0.0072
05/14/13					
01/28/14					
06/17/14					
11/18/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**				
04/30/08	0.0367	<0.00971	<0.00971	0.0318	0.0395
09/21/08					
09/26/08	0.0902	<0.00980	<0.00980	0.0636	0.0825
02/15/09					
05/19/09	0.0658	<0.0105	<0.0105	0.0380	0.0484
08/19/09	0.1690 (c)	0.0196 R1	0.00753 R1	0.202 R1	0.118
10/30/09	0.0274 (c)	0.0282 R1	0.0435 R1	0.0407 R1	0.0225
10/13/11					
02/22/12					
07/17/12					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***NA***
Field Point	**MW-15**	***Well Screen Interval (feet):***	**29.00-44.00**			
10/03/12						
05/14/13						
01/28/14						
06/17/14						
11/18/14						
12/07/15						
04/26/16						
10/24/16						
Field Point	**MW-16**	***Well Screen Interval (feet):***	**26.50-41.50**			
04/30/08		<0.0103	<0.0103	<0.0103	<0.0103	<0.0103
09/21/08						
09/26/08		<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
02/06/09		0.0228 (b)				
05/18/09		<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09		0.00429 R1 (c)	<0.000513	0.000979 R1	0.00603 R10	0.0127 R1
10/30/09						
10/30/09	D	0.00791 (c)			0.0405 R1	0.0124
10/13/11		0.00154	0.000343	<0.0000952	0.00158	0.00124
02/22/12		0.00122	0.000292	<0.0000943	0.00113	0.00090
07/17/12		<0.00500	<0.00190	<0.00190	0.00229	<0.00190
10/03/12		0.00855	<0.00189	<0.00189	0.00429	<0.00189

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-16**	***Well Screen Interval (feet):*** **26.50-41.50**				
05/14/13					
01/27/14					
06/17/14					
11/18/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**				
08/19/09	0.134 (c)	0.0102 R1	<0.000200	0.188 R1	0.0768
10/30/09	0.134 (c)	0.0121 R1	0.00284 R1	0.193 R1	
10/13/11	0.0798	<0.000099	<0.000099	0.0364	0.0556
02/22/12	0.0781 (b)				
07/17/12	0.0429	<0.00190	<0.00190	0.0256	0.0306
10/03/12	0.0865	<0.00189	<0.00189	0.0325	0.0402
05/14/13					
01/28/14					
06/17/14					
11/07/14					
12/09/15					
04/26/16					
10/24/16					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-18**	***Well Screen Interval (feet):*** **27.00-42.00**				
08/19/09	0.0213 (c)	0.0104 R1	0.000948	0.141 R1	0.0193
10/30/09	0.110 (c)	0.0129 R1	0.00257 R1	0.189 R1	0.0696
10/13/11	0.0414	0.00246	<0.0000952	0.0292	0.0431
02/22/12					
07/17/12					
10/03/12					
05/14/13					
01/28/14					
06/17/14					
11/17/14					
12/07/15					
04/26/16					
10/24/16					
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**				
08/19/09	<0.00100 (c)	<0.000500	<0.000200	<0.00100	<0.00100
10/30/09	<0.00102 (c)	<0.000510	<0.000204	<0.00102	<0.00102
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
02/22/12	<0.005 (b)				
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000189	<0.0000566	<0.0000566	<0.00000943	<0.00000943

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**				
01/29/14	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282
06/18/14	0.00022 B	<0.00003	<0.00002	<0.00002	<0.00003
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	0.00156	<0.0000952	<0.0000952	0.00147	0.000304
04/27/16	0.000772	<0.0000939	<0.0000939	0.000582	<0.0000939
10/24/16					
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-20**	***Well Screen Interval (feet):*** **29.50-44.50**				
08/19/09	<0.000971 (c)	<0.000485	<0.000194	<0.000971	<0.000971
10/30/09	<0.000952 (c)	<0.000476	<0.000190	<0.000952	<0.000952
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.000943	<0.0000943	<0.0000943	<0.000943	<0.000943
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000561	<0.0000561	<0.00000935	<0.00000935
01/29/14	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282
06/18/14	0.000265 B	<0.0000288	<0.0000192	<0.0000192	<0.0000288
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/07/15					
04/26/16					
10/24/16					

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-21**	***Well Screen Interval (feet):*** **29.50-44.50**				
08/19/09	<0.000980 (c)	<0.000490	<0.000196	0.00156	<0.000980
10/30/09	<0.00100 (c)	<0.000500	<0.000200	<0.00100	<0.00100
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.005 (b)				
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000189	<0.0000566	<0.0000566	<0.00000943	<0.00000943
01/29/14	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282
06/18/14	0.000155 B	<0.0000284	<0.0000190	<0.000019	<0.0000284
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16					
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **MW-22**	***Well Screen Interval (feet):*** **30.00-45.00**				
10/30/09	<0.00102 (c)	<0.000510	<0.000204	<0.00102	<0.00102
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0001	<0.0000943	<0.0000943	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000561	<0.0000561	<0.00000935	<0.00000935

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS		***NA***	***NA***	***NA***	***NA***	***NA***
Field Point	**MW-22**	***Well Screen Interval (feet):***	**30.00-45.00**			
01/29/14		<0.0000188	0.0000541 J	<0.0000188	<0.0000188	<0.0000282
01/29/14	D	<0.0000189			<0.0000189	<0.0000283
06/18/14		0.000278 B	<0.0000291	<0.0000194	<0.0000194	<0.0000291
11/19/14		<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15		<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16		<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/24/16						
10/25/16		<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point	**MW-23**	***Well Screen Interval (feet):***	**31.00-46.00**			
02/22/12		<0.0001	<0.0000943	<0.0000943	<0.0001	<0.0001
07/17/12		<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12		<0.00500	<0.00192	<0.00192	<0.00192	<0.00192
05/15/13		<0.000019	<0.0000571	<0.0000571	<0.00000952	<0.00000952
01/29/14		<0.0000188	0.0000687 J	0.0000724 J	<0.0000188	<0.0000282
06/18/14		0.0000606 J B	<0.0000306	<0.0000204	<0.0000204	<0.0000306
11/18/14		<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15		0.0125	<0.000190	<0.000190	0.00669	0.00559
04/27/16		0.00754	0.000177 B	<0.0000939	0.00497	0.00409
10/24/16						
Field Point	**MW-24**	***Well Screen Interval (feet):***	**28.00-43.00**			
02/22/12						

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-24**	***Well Screen Interval (feet):*** **28.00-43.00**				
07/17/12					
10/03/12					
05/14/13					
01/28/14					
06/17/14					
11/18/14					
12/07/15					
04/27/16					
10/24/16					
Field Point **MW-25**	***Well Screen Interval (feet):*** **28.00-43.00**				
02/22/12	0.0939	0.0018	<0.000105	0.0427	0.0688
07/17/12					
10/03/12					
05/14/13					
01/28/14					
06/17/14					
11/17/14					
12/07/15					
04/26/16					
10/24/16					

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-26**	***Well Screen Interval (feet):*** **30.00-45.00**				
02/22/12	<0.0001	<0.0000952	<0.0000952	<0.0001	<0.0001
07/17/12	<0.00500	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00500	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000561	<0.0000561	<0.00000935	<0.00000935
01/29/14	0.0000818 J	<0.0000282	<0.0000188	0.000048 J	<0.0000282
06/18/14	0.000394 B	<0.0000283	<0.0000189	<0.0000189	<0.0000283
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	0.000370	<0.0000939	<0.0000939	0.000130	0.0000991
10/24/16					
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point **SB-1GW**	***Grab Groundwater Sample***				
10/28/11	0.000115	0.000452	<0.0000962	0.000462	0.000144
Field Point **SB-2GW**	***Grab Groundwater Sample***				
10/28/11	0.00922	0.000359	<0.0000971	0.00625	0.00883
Field Point **SB-3GW**	***Grab Groundwater Sample***				
10/28/11	0.0835	0.00168	<0.000098	0.039	0.0606
Field Point **SB-4GW**	***Grab Groundwater Sample***				
10/28/11	0.0137	0.000363	<0.000098	0.0084	0.00967

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
NMED WQCC HHS	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **SB-5GW**	***Grab Groundwater Sample***				
10/28/11	0.0499	0.000559	<0.000098	0.0182	0.0269
Field Point **SB-6GW**	***Grab Groundwater Sample***				
10/28/11	0.000505	0.0000971	<0.0000971	0.000291	0.000437
Field Point **SB-7GW**	***Grab Groundwater Sample***				
10/28/11	0.0047	0.000495	<0.0000971	0.00281	0.00367

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-1**	***Well Screen Interval (feet):*** **22.71-42.71**											
05/17/04												
11/30/04												
05/05/05												
07/24/06	0.0295	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	0.0304	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
04/15/08												
09/21/08	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
09/26/08												815
02/15/09												
05/19/09	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
10/12/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/27/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-2**	***Well Screen Interval (feet):*** **27.59-47.59**											
05/17/04												
11/30/04												
05/05/05												
07/25/06	0.0469	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	0.0348	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
04/15/08												
09/22/08	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
09/26/08												

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-2**	***Well Screen Interval (feet):*** **27.59-47.59**											
02/15/09												
05/19/09												
08/19/09	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
10/12/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/27/14												
06/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-3**	***Well Screen Interval (feet):*** **24.20-44.20**											
05/17/04												
11/30/04												
05/05/05												
07/24/06	0.057	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	0.0505	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
04/15/08												
09/22/08	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
09/26/08												
02/15/09												
05/19/09	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
10/12/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-3**	***Well Screen Interval (feet):***	**24.20-44.20**										
01/27/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-4**	***Well Screen Interval (feet):***	**23.97-38.97**										
07/25/06	0.034	**7.34**	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	**1000**
02/07/07	0.0617	**8.00**	<0.00100	**0.0615**	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	0.0140	**7.47**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	**1180**
09/21/08	0.0156	**7.74**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774
09/26/08												
02/15/09												
05/19/09	0.0162	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	0.0133	**8.19**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	0.0224	**8.64**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660
10/12/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/27/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-5**	***Well Screen Interval (feet):***	**27.19-47.19**										
07/20/06	0.0661	**1.71**	<0.00100	**0.177**	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712
02/07/07	0.0526	**1.96**	<0.00100	**0.0599**	0.0105	<0.000200	<0.0100	<0.00500	6.58	1.56	1130	610
04/15/08	0.0440	**3.02**	0.0017	0.0167	<0.00500	<0.000200	<0.0100	<0.00500	6.34	<1.00	976	736

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-5**	***Well Screen Interval (feet):*** **27.19-47.19**											
09/21/08	0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	
09/26/08												712
02/06/09									7.49	<1.00	797	744
02/06/09 D									6.80	1.05	801	730
05/19/09	0.0336	**3.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.81	<1.00	837	792
08/19/09	0.031	**3.68**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.02	<1.00	856	752
08/19/09 D	0.0322	**3.71**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.93	<1.00	847	760
10/30/09	0.0284	**3.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.61	<1.00	797	**1540**
10/12/11	0.0353	**4.8**	<0.00100	<0.00500	0.007	<0.000200	<0.0100	<0.00500	5.03	1.4		
10/12/11 D												
02/22/12		**4.81**		<0.005								
02/22/12 D		**4.74**		<0.005								
07/17/12	0.0234	**4.9**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	1.18	720	753
07/17/12 D	0.0252	**5.08**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.42	1.21	721	760
10/03/12	0.0238	**4.48**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.46	<1.00	726	740
10/03/12 D	0.0233	**4.62**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.47	<1.00	732	749
05/15/13												
01/28/14												
06/18/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-6**	***Well Screen Interval (feet):*** **27.05-42.05**											
07/21/06	<0.0100	0.168	<0.00100	<0.00500	<0.00500	0.000207	<0.0100	<0.00500	6.28	63.2	524	660
02/07/07	0.0397	**3.19**	<0.00100	**0.0822**	0.0307	0.00172	<0.0100	<0.00500	6.6	<2.00	2930	325
04/15/08	0.0199	0.610	0.0020	0.0213	0.00805	0.000467	0.0106	<0.00500	5.38	42.7	1650	548
09/21/08	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.75	34.5	528	440
09/26/08												
02/06/09									1.80	8.41	509	574
05/18/09	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.90	37.2	567	234
08/19/09	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.11	33.0	519	568

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-6**	***Well Screen Interval (feet):*** **27.05-42.05**											
10/30/09	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.03	31.1	475	470
11/19/09												
10/13/11	<0.0100	0.112	<0.00100	<0.00500	0.0057	<0.000200	<0.0100	<0.00500	5	26.3		
02/22/12		0.119		<0.005								
07/17/12	<0.0100	0.127	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.23	24.6	452	571
10/03/12	<0.0100	0.121	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.91	26.4	446	566
05/15/13	<0.0047	0.14	<0.000200	<0.0012	0.0135	<0.00015	0.0081 J	<0.0013	4.67	<25	483	625
01/28/14	0.01	0.144	<0.000200	<0.0012	0.0059	<0.00015	<0.0064	<0.0013	5.04	26.2	512	597 B
06/18/14	<0.0072	0.138	0.0006 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	5.32 B	26.5	483	615
11/19/14	<0.0100	0.15	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.5	25	470	660
12/08/15	0.0149	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
04/26/16	0.0309	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
10/24/16												
10/25/16												
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**											
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	0.0583	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	0.0513	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
09/26/08												
02/05/09									14.5	1.87	692	672
05/18/09	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	0.014	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
02/22/12		**2.55**		<0.005								
07/17/12												
10/03/12												
05/14/13												
01/27/14												
06/17/14												
11/18/14												

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-7**	***Well Screen Interval (feet):*** **24.35-39.35**											
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-8**	***Well Screen Interval (feet):*** **23.05-38.05**											
07/25/06	0.0153	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	0.0342	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	0.035	**1.22**	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
09/26/08												
02/05/09									11.6	6.52	615	628
05/18/09	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
10/12/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/27/14												
06/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-9**	***Well Screen Interval (feet):*** **27.64-42.64**											
07/21/06	0.0298	0.918	<0.00100	0.0354	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	0.0291	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	0.0694	**1.61**	0.0023	0.0473	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684
09/21/08	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
09/26/08												
02/05/09									71	33.9	616	<1000
05/18/09	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-9**	***Well Screen Interval (feet):*** **27.64-42.64**											
08/19/09	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	0.0147	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
02/22/12		0.103		<0.005								
07/17/12	0.0175	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**
05/14/13												
01/28/14												
06/17/14												
11/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-10**	***Well Screen Interval (feet):*** **28.08-43.08**											
07/21/06	<0.0100	0.324	<0.00100	0.0136	<0.00500	0.000822	<0.0100	<0.00500	**500**	85.2	748	**1520**
02/06/07	<0.0100	0.112	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.72	105	602	**1630**
04/15/08	0.0439	0.981	0.0044	**0.0625**	0.0277	0.001950	0.0256	<0.00500	**439**	97.4	3250	**1530**
09/21/08	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**414**	79.6	676	**1000**
09/26/08												
02/05/09									**419**	65.3	658	**1460**
05/18/09	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**430**	74.1	675	**1490**
08/19/09	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	0.000818	<0.0100	<0.00500	**421**	80.8	660	**1510**
10/30/09	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**394**	89.7	614	**1370**
11/19/09												
10/13/11	<0.0100	0.0656	<0.00100	<0.00500	0.0057	0.000998	<0.0100	<0.00500	**356**	91.7		
02/22/12		**10.9**		<0.005								
07/17/12	0.0108	0.0696	<0.00100	<0.00500	<0.00500	0.000338	<0.0100	<0.00500	**283**	94.0	577	**1400**
10/03/12	<0.0100	0.0672	<0.00100	<0.00500	<0.00500	0.00106	<0.0100	<0.00500	**259**	99.2	595	**1450**
05/15/13	0.0055 J	0.0677	<0.000200	<0.0012	0.0113	<0.00015	<0.0064	<0.0013	218	95.9	585	**1400**
05/15/13 D	0.0091 J	0.0703	<0.000200	<0.0012	0.0104	<0.00015	0.0115	<0.0013	188	95.6	607	**1350**
01/29/14	0.0066 J	0.0632	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	161	88.7	666	**1220 B**
06/18/14												

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-10** ***Well Screen Interval (feet):*** **28.08-43.08**												
11/19/14	<0.0100	0.059	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	92	590	**1300**
11/19/14 D	<0.0100	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	88	600	**1300**
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-11** ***Well Screen Interval (feet):*** **29.00-44.00**												
04/30/08	<0.0100	0.159	<0.00100	<0.00500	<0.00500	0.000224	<0.0100	<0.00500	213	128	528	**1120**
09/21/08	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**524**	130	553	**1440**
09/26/08												
02/05/09									9.82	51.7	547	**1510**
05/18/09	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**503**	125	572	**1490**
08/19/09	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**517**	121	577	**1550**
10/30/09	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**502**	127	539	**1350**
10/13/11	<0.0100	0.051	<0.00100	<0.00500	0.005	<0.000200	<0.0100	<0.00500	**428**	117		
02/22/12		0.0529		<0.005								
07/17/12	0.0142	0.0531	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**422**	124	452	**1570**
10/03/12	0.0171	0.0551	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**405**	121	490	**1500**
05/15/13	0.0084 J	0.054	≤0.000200	<0.0012	0.0138	<0.00015	0.0239	<0.0013	**392**	123	497	**1500**
01/28/14	0.0074 J	0.0465	≤0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	**393**	122	513	**1370**
06/18/14	<0.0072	0.0445	0.0007 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	**351 B**	114	485	**1340**
11/19/14	<0.0100	0.044	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**320**	120	480	**1400**
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/24/16												
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
Field Point **MW-12** ***Well Screen Interval (feet):*** **30.00-45.00**												
04/30/08	0.0278	**2.23**	<0.00100	0.0132	0.0082	<0.000200	<0.0100	<0.00500	10.7	8.19	995	657
09/21/08	0.0238	**5.10**	0.00130	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25.1	1.62	755	708
09/26/08												
02/05/09									31.2	<1.00	738	734
05/19/09	0.0233	**5.82**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	30.3	<1.00	777	**2390**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-12**	***Well Screen Interval (feet):***	**30.00-45.00**										
08/19/09	0.0177	**6.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.2	<1.00	778	750
10/30/09	0.0196	**6.63**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.7	<1.00	727	**1260**
10/13/11	0.01	**7.88**	<0.00100	<0.00500	0.0063	<0.000200	<0.0100	<0.00500	17.5	1.32		
02/22/12		**4.01**		<0.005								
07/17/12	0.0133	**8.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.4	1.18	707	757
10/03/12	<0.0100	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	<1.00	694	724
05/14/13												
01/28/14												
06/17/14												
11/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-13**	***Well Screen Interval (feet):***	**30.00-45.00**										
04/30/08	0.0221	**1.41**	<0.00100	0.0134	0.0104	<0.000200	<0.0100	<0.00500	61.9	209	870	**1920 A-01**
09/21/08	0.0377	**3.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.62	1.20	751	748
09/26/08												
02/06/09									4.77	<1.00	751	776
05/19/09	0.0321	**4.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	<1.00	800	252
08/19/09	0.0249	**4.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.76	<1.00	781	800
10/30/09	0.0275	**4.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	1.4	745	580
10/13/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/28/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-14**	***Well Screen Interval (feet):*** **27.00-42.00**											
04/30/08	0.0172	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
09/26/08												668
02/06/09									9.82	3.13	623	672
05/19/09	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698
08/19/09	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.14	15.7	656	702
10/30/09	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
02/22/12		0.293		<0.005								
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
05/14/13												
01/28/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**											
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
09/26/08												724
02/15/09												
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
10/13/11												
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/28/14												

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**											
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-16**	***Well Screen Interval (feet):*** **26.50-41.50**											
04/30/08	0.0107	**1.02**	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	0.0153	**1.40**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
09/26/08												
02/06/09									8.03	<1.00	756	730
05/18/09	0.0167	**1.59**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	0.0136	**1.73**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	0.0136	**1.79**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	0.0152	**2.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	0.0142	**2.21**	0.0051	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
02/22/12		**2.15**		<0.005								
07/17/12	0.0147	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788
10/03/12	0.0193	**1.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
05/14/13												
01/27/14												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**											
08/19/09	0.0475	**1.98**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	0.0541	**1.69**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	0.036	**3.61**	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
02/22/12		0.0716		<0.005								
07/17/12	0.0238	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**											
10/03/12	0.0418	**4.51**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
05/14/13												
01/28/14												
06/17/14												
11/07/14												
12/09/15												
04/26/16												
10/24/16												
Field Point **MW-18**	***Well Screen Interval (feet):*** **27.00-42.00**											
08/19/09	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	**1510**
10/30/09	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890
10/13/11	0.0102	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/28/14												
06/17/14												
11/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**											
08/19/09	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	0.0197	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
02/22/12		0.0574		<0.005								
07/17/12	0.0237	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	0.0308	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	0.0185	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	0.028	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-19** ***Well Screen Interval (feet):*** **27.00-42.00**												
06/18/14	0.0161	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621
11/18/14	0.02	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/24/16												
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
Field Point **MW-20** ***Well Screen Interval (feet):*** **29.50-44.50**												
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
02/22/12		0.0483		<0.005								
07/17/12	0.0115	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-21** ***Well Screen Interval (feet):*** **29.50-44.50**												
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
02/22/12		0.018		<0.005								
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-21** ***Well Screen Interval (feet):*** **29.50-44.50**												
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/24/16												
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point **MW-22** ***Well Screen Interval (feet):*** **30.00-45.00**												
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
02/22/12		0.0209		<0.005								
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
10/03/12	0.0232	0.0197	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.5	280	223	792
05/15/13	0.0209	0.0204	<0.000200	<0.0012	0.0085	<0.00015	0.0161	<0.0013	41.7	293	212	782
01/29/14	0.0288	0.0191	<0.000200	<0.0012	0.0044 J	<0.00015	0.0066 J	<0.0013	42.8	242	236	750 B
01/29/14 D	0.0299	0.0188	<0.000200	<0.0012	<0.00035	<0.00015	0.0067 J	<0.0013	42.8	257	233	750 B
06/18/14	0.0179	0.0192	0.0007 J	<0.00300	<0.002	<0.000150	0.0096 J	<0.0025	42.7 B	248	221	776
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/24/16												
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
Field Point **MW-23** ***Well Screen Interval (feet):*** **31.00-46.00**												
02/22/12	0.0258	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0307	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652
10/03/12	0.0335	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	0.0259	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635
01/29/14	0.0343	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	0.033	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	0.0577	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
10/24/16												

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-24**	***Well Screen Interval (feet):*** **28.00-43.00**											
02/22/12												
07/17/12												
10/03/12												
05/14/13												
01/28/14												
06/17/14												
11/18/14												
12/07/15												
04/27/16												
10/24/16												
Field Point **MW-25**	***Well Screen Interval (feet):*** **28.00-43.00**											
02/22/12	0.062	**7.1**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12												
10/03/12												
05/14/13												
01/28/14												
06/17/14												
11/17/14												
12/07/15												
04/26/16												
10/24/16												
Field Point **MW-26**	***Well Screen Interval (feet):*** **30.00-45.00**											
02/22/12	0.0135	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0123	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	0.0198	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	0.019	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	0.0159	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	***0.1***	***1.0***	***0.01***	***0.05***	***0.05***	***0.002***	***0.05***	***0.05***	***250.0***	***600.0***	***NA***	***1000.0***
Field Point **MW-26** ***Well Screen Interval (feet):*** **30.00-45.00**												
10/24/16												
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
Field Point **SB-1GW** ***Grab Groundwater Sample***												
10/28/11	<0.0100	0.0808	<0.00100	<0.00500	0.0053	<0.000200	<0.0100	<0.00500	9.4	77.8		
Field Point **SB-2GW** ***Grab Groundwater Sample***												
10/28/11	0.0139	0.134	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	156	307		
Field Point **SB-3GW** ***Grab Groundwater Sample***												
10/28/11	0.0338	**7.8**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.84	2.3		
Field Point **SB-4GW** ***Grab Groundwater Sample***												
10/28/11	0.0296	**3.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.9	2.8		
Field Point **SB-5GW** ***Grab Groundwater Sample***												
10/28/11	<0.0100	0.0971	<0.00100	<0.00500	<0.00500	<0.000200	0.0105	<0.00500	180	421		
Field Point **SB-6GW** ***Grab Groundwater Sample***												
10/28/11	0.0116	0.0343	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.04	290		
Field Point **SB-7GW** ***Grab Groundwater Sample***												
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater of 10,000 mg/l TDS concentration or less. Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
R1 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported
R10 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems
R12 = the relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

APPENDIX A
FIELD DATA SHEETS

Cardno

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: ~~Ali Alibhai,~~ Vincent Nguyen, Johnny Glover	Project Number: 013612
Gauging Instrument:	Date(s): 10/24/16 (Monday)

	Well Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
	MW-1		1635	X	36.64	36.42	0.22	2 inch well
*	MW-3		1642	X	35.42	35.30	0.12	2 inch well / water in well vault bailed
*	MW-4		1653	X	36.60	36.23	0.37	2 inch well / spiders!
*	MW-7		1648		35.84			2 inch well / water in vault / bailer check
	MW-19		1520	44.62	38.86	X	X	4 inch well
	MW-16		1622	X	~~38.84~~ 38.36	37.84	0.52	4 inch well
	MW-6		1515	41.69	38.79	X	X	2 inch well
	MW-9		~~1615~~ 1617	X	40.71	40.44	0.27	2 inch well
	MW-10	10/25/16	1120	42.40	41.17	X	X	2 inch well / insufficient water to sample
	MW-11		1505	48.01	40.49	X	X	4 inch well
	~~MW-23~~		~~1450~~	~~47.95~~	~~39.15~~	X	X	
R	MW-12		1608	X	40.34	39.95	0.39	4 inch well
* L	MW-17			X	39.93			4 inch well / bailer check
	MW-26		1525	45.33	39.81	X	X	2 inch well
	MW-25		1545	X	41.03	39.14	1.89	2 inch well
	MW-24		1550	X	42.33	36.97	5.36	2 inch well
	MW-20		1540	X	40.50	39.14	1.36	4" inch well / NAPL
	MW-21		1530	48.20	39.13	X	X	4 inch well
	MW-23		1538	X	39.35	39.24	0.11	2 inch well / NAPL
	MW-13		1600	X	39.55	38.60	0.95	4 inch well
	MW-15		1554	X	38.70	38.26	0.44	4 inch well
	MW-5		1556	X	39.59	38.57	1.02	2 inch well
	MW-14		1603	X	40.86	37.92	2.94	4 inch well
	MW-22		1500	47.74	40.82	X	X	4 inch well
	MW-18		1542	X	39.19	38.98	0.21	4 inch well

* = wells not fully secured ie no gaskets

Cardno Job #: 3612	Quarter: 4		Year: 2016	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Vincent Nguyen				
DATE: 10/26/16				
Weather:				

WELL ID MW11

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg (C) F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
1050	40.42			18.78	1.92	5.45	96.1	132	1.23
1054	41.46			18.80	1.92	5.44	91.3	125	1.23
1055	41.57			18.85	1.92	5.44	88	114	1.22
1056	41.63			18.89	1.91	5.43	87.5	118	1.22
1057 ~~1100~~	41.64			18.90	1.91	5.43	86.8	118	1.22
1058 ~~1100~~	41.71			18.89	1.91	5.42	86.4	118	1.22

Depth to Pump Intake	45	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2		Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	41.71		F	TD:	45.01	DTW final: 41.71
DTW initial	40.42		0.163	DTW$_i$:		
			0.652	h:		TIME: 1100
Drawdown:			1.457	csg vol:		

COMMENTS

4 inch well

Cardno

Fluid-Level Monitoring Well Log

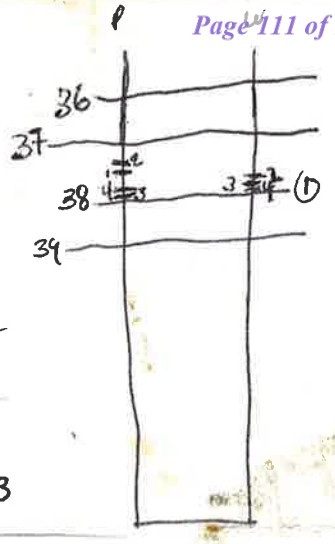
Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: ~~Ali Kilbreath~~ Johnny Glover	Project Number: 013612
Gauging Instrument:	Date(s): 10-26-16

Well Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
Pre test MW-1	10-26-16	~~1312~~ 1312	—	36.75	36.44		
		1317		36.75	36.43		

Stopped taking well measurements after we stopped pumping on MW-24 due to a pump failure

-VN

MW-5	MW24
330 39.70 DTW 38.59 DTP 1.11	39.00 DTW 38.85 DTP .15
407 3970 38.59 1.11	37.83 DTW 37.80 DTP .03
4027 39.70 38.59 1.11	37.94 DTW 37.78 DTP .16
441 same as above	37.92 DTW 37.78 DTP .14
459 same as above	37.92 DTW 37.76 DTP
519 same as above	37.90 DTW 37.76 DTP



Rep Equip

S

Cardno

MW1

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: ~~Ali Alibhai,~~ Johnny Glover	Project Number: 013612
Gauging Instrument: solinst	Date(s): 10/26/16

gal/min TIME INT	~~Well~~ pump rate Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
0	0.0	10-26	13:42		36.75	36.44		
5	0.0		13:47					
10	0.0		13:52					
15	0.0		13:57					
20	0.0		14:02					
25	0.0		14:07					
30	0.0		14:12					
45	0.0		14:27					
60	0.0		14:42					
15	0.4							
30	0.4							
45	0.4							
60	0.4							
15	0.[illegible]							
30	0.[illegible]							
45	0.[illegible]							
60	0.[illegible]							
15	0.2							
30	0.2							
45	0.2							
60	0.2							
15	0.4							
30	0.4							
45	0.4							
60	0.4							

MW15
Flow rate

@	15:23	2m50s / gal	0.38 > .008	151 Hz
@	15:58	2m51s / gal		
@	435	9m5s / gal	0.1	144 Hz
@	457	47s	1.2	160 Hz
@	504	2m12s	.45	155 hz
@	529	6m51	0.15	
@	552	1m53	0.53	
@	555	2m4s	0.48	
@	5457			
✓	6:08	2m 18s	0.43	

Cardno

MW1# ~~MW~~ 15

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM

Project Name: Gladiola Station

Personnel: ~~Ali Alibhai,~~ Vincent Nguyen

Project Number: 013612

Gauging Instrument: solinst

Date(s): 10/26/16

gal/min	pump rate ~~Well Number~~	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
0	0.1		~~1535~~ 1435	43.60	~~35.14~~ ~~39.75~~	~~38.03~~ ~~38.23~~		
5	0.1							
10	0.1	15/16	1536	~~1530~~	44.71	44.32		rate 1 gal/2 min 50 sec
15	0.1		1536	well dried				
20	0.1		start D	1501				
25	0.1	14/16	1551	48.84	48.77	40.66		rate 1 gal/2 min 52 sec
30	0.1	14/16	1605		42.38	42.23		
45	0.1		1620		41.69	41.55		rate 1 gal/9 min 5 sec
60	0.1		1635		40.21	40.03		
// 15	0.15		1659	X		44.70	44.86	fast rate
30	0.15		1714	X		46.62	46.51	fast rate
45	0.15		1729	X		44.73	44.61	slow rate
// 60	0.15							
16	0.175							
30	0.175							
45	0.175							
// 60	0.175							
15	0.2							
30	0.2							
45	0.2							
// 60	0.2							
15	0.4							
30	0.4							
45	0.4							
60	0.4							

Cardno

MW24

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: ~~Ali Alibhai,~~ Vincent Nguyen	Project Number: 013612
Gauging Instrument: Solinst	Date(s): 10/26/16

gal/min	~~Well Number~~ pump rate	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
0	0.15				42.31	36.95		
15	0.15							
30	0.15							
45	0.15							
60	0.15							
15	0.175							
30	0.175							
45	0.175							
60	0.175							
15	0.2							
30	0.2							
45	0.2							
60	0.2							
15	0.4							
30	0.4							
45	0.4							
60	0.4							

Cardno Job #: 3612	Quarter: 4		Year: 2016	Comments
Client/Site: ExxonMobil / Gladiola Station				- measurements not taken due to malfunctioning pH meter
Location: Near Tatum, NM				
Sample Tech.: Vincent Nguyen				
DATE: 10/26/16				
Weather: warm & sunny ; 80° F				
WELL ID MW 26				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	43	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	4		Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	41.46	F	TD: 45.33	DTW final : 41.46	
DTW initial	39.81	0.163	DTW$_i$:		
		0.652	h:	TIME: 1405	
Drawdown:		1.457	csg vol:		

COMMENTS

4 inch well

Cardno Job #: 3612	Quarter: 4		Year: 2016
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Vincent Nguyen			
DATE: 10/26/16			
Weather:			

Comments
- measurements not taken due to malfunctioning pH meter

WELL ID MW21

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	44	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters
Total Purge Volume	2		Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.24		F	TD:	48.20	DTW final:
DTW initial	39.13		0.163	DTW$_i$:		40.24
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		1430

COMMENTS

4 inch well

Cardno Job #: 3612	Quarter: 4		Year: 2016
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Vincent Nguyen			
DATE: 10/26/16			
Weather:			

Comments
- measurements not taken due to malfunctioning pH meter

WELL ID MW19

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	42	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	4		Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.99		F	TD:	44.62	DTW final :
DTW initial	38.86		0.163	DTW$_i$:		40.99
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		1245

COMMENTS

1) 4 inch well

2) Needed to disassemble pump & clean it out due to silt

Cardno Job #: 3612	Quarter: 4		Year: 2016
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Vincent Nguyen			
DATE: 10/26/16			
Weather:			

Comments
- Unable to sample due to too much clayey silt within the well

WELL ID MW6

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	NA	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	∅		Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	NA		F	TD: 41.69	DTW final: NA
DTW initial	38.79		0.163	DTW_i:	
			0.652	h:	TIME: NA
Drawdown:			1.457	csg vol:	

COMMENTS

2 inch well

Cardno Job #: 3612	Quarter: 4		Year: 2016	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Vincent Nguyen				
DATE: 10/26/16				
Weather:				

WELL ID MW22

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
1005	40.82			19.84	1.07	5.65	88.7	97	0.685
1007	41.07			19.72	1.07	5.63	88.6	96	0.685
1008	41.29			19.65	1.07	5.61	88.5	94	0.685
1010	41.51			19.61	1.07	5.60	88.5	100	0.685
1011	41.78			19.56	1.07	5.60	88.2	101	0.684
1012	42.00			19.51	1.07	5.59	88.0	102	0.683

Depth to Pump Intake	44	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2		Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	42.00	F	TD: 47.74	DTW final: 42.00	
DTW initial	40.82	0.163	DTW$_i$:		
		0.652	h:	TIME: 1015	
Drawdown:		1.457	csg vol:		

COMMENTS

4 inch well

APPENDIX B
LABORATORY ANALYTICAL REPORTS

Cardno®
Shaping the Future

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-114836-1
Client Project/Site: Gladiola Station

For:
Cardno, Inc
20372 N. Sea Circle
Lake Forest, California 92630

Attn: Dave Purdy

Authorized for release by:
11/18/2016 12:11:34 PM

Heather Wagner, Project Manager I
(615)301-5763
heather.wagner@testamericainc.com

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-114836-1	W-42-MW22	Water	10/25/16 10:15	10/26/16 09:25
490-114836-2	W-41-MW11	Water	10/25/16 11:00	10/26/16 09:25
490-114836-3	W-41-MW19	Water	10/25/16 12:45	10/26/16 09:25
490-114836-4	W-41-MW26	Water	10/25/16 14:05	10/26/16 09:25
490-114836-5	W-40-MW21	Water	10/25/16 14:30	10/26/16 09:25
490-114836-6	Trip Blank	Water	10/25/16 00:01	10/26/16 09:25

Case Narrative

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Job ID: 490-114836-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-114836-1

Comments
No additional comments.

Receipt
The samples were received on 10/26/2016 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.5º C, 2.8º C and 4.3º C.

GC/MS VOA
Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for analytical batch 490-384127 recovered outside control limits for the following analytes: Vinyl chloride.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270C SIM: The continuing calibration verification (CCV) associated with batch 490-382423 recovered above the upper control limit for Benzo[b]fluoranthene and 2-Fluorobiphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-382366.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method(s) D516-90, D516-90, 02: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 490-384992 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-42-MW22
Date Collected: 10/25/16 10:15
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 16:38	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 16:38	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 16:38	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 16:38	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 16:38	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 16:38	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 16:38	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 16:38	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 16:38	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 16:38	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 16:38	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 16:38	1
Acetone	ND		0.0250		mg/L			11/04/16 16:38	1
Benzene	ND		0.00100		mg/L			11/04/16 16:38	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 16:38	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 16:38	1
Bromoform	ND		0.00100		mg/L			11/04/16 16:38	1
Bromomethane	ND		0.00100		mg/L			11/04/16 16:38	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 16:38	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 16:38	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 16:38	1
Chloroethane	ND		0.00100		mg/L			11/04/16 16:38	1
Chloroform	ND		0.00100		mg/L			11/04/16 16:38	1
Chloromethane	ND		0.00100		mg/L			11/04/16 16:38	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 16:38	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 16:38	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 16:38	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 16:38	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 16:38	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 16:38	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 16:38	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-42-MW22
Date Collected: 10/25/16 10:15
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			11/04/16 16:38	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 16:38	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Styrene	ND		0.00100		mg/L			11/04/16 16:38	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 16:38	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 16:38	1
Toluene	ND		0.00100		mg/L			11/04/16 16:38	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 16:38	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 16:38	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 16:38	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 16:38	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 16:38	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*11/04/16 16:38*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*11/04/16 16:38*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*11/04/16 16:38*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/04/16 16:38*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Acenaphthylene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Benzo[a]anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Benzo[a]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Benzo[b]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Benzo[g,h,i]perylene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Benzo[k]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Chrysene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Dibenz(a,h)anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Fluorene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Indeno[1,2,3-cd]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Naphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Phenanthrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
Pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
1-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1
2-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*62*		*13 - 120*	*10/29/16 09:36*	*10/30/16 00:01*	*1*
Nitrobenzene-d5	*44*		*27 - 120*	*10/29/16 09:36*	*10/30/16 00:01*	*1*
2-Fluorobiphenyl (Surr)	*61*		*29 - 120*	*10/29/16 09:36*	*10/30/16 00:01*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-42-MW22
Date Collected: 10/25/16 10:15
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-1
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0190**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:18	1
Barium	**0.0283**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:18	1
Cadmium	ND		0.00100		mg/L		11/07/16 10:40	11/11/16 14:18	1
Chromium	**0.00700**		0.00500		mg/L		11/07/16 10:40	11/09/16 12:15	1
Lead	ND		0.00500		mg/L		11/07/16 10:40	11/11/16 14:18	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 14:18	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**22.4**	**F1**	20.0		mg/L			11/08/16 14:58	10
Alkalinity	**236**		10.0		mg/L			10/29/16 04:49	1
Total Dissolved Solids	**709**		10.0		mg/L			10/27/16 18:35	1
Chloride	**37.4**		1.00		mg/L			11/07/16 19:57	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW11
Date Collected: 10/25/16 11:00
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:04	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:04	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 17:04	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 17:04	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 17:04	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:04	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:04	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:04	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 17:04	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:04	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 17:04	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 17:04	1
Acetone	ND		0.0250		mg/L			11/04/16 17:04	1
Benzene	ND		0.00100		mg/L			11/04/16 17:04	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 17:04	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 17:04	1
Bromoform	ND		0.00100		mg/L			11/04/16 17:04	1
Bromomethane	ND		0.00100		mg/L			11/04/16 17:04	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 17:04	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 17:04	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 17:04	1
Chloroethane	ND		0.00100		mg/L			11/04/16 17:04	1
Chloroform	ND		0.00100		mg/L			11/04/16 17:04	1
Chloromethane	ND		0.00100		mg/L			11/04/16 17:04	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:04	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:04	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 17:04	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 17:04	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 17:04	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 17:04	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 17:04	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW11
Date Collected: 10/25/16 11:00
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			11/04/16 17:04	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 17:04	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Styrene	ND		0.00100		mg/L			11/04/16 17:04	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:04	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 17:04	1
Toluene	ND		0.00100		mg/L			11/04/16 17:04	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:04	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:04	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 17:04	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 17:04	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 17:04	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*11/04/16 17:04*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*11/04/16 17:04*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*11/04/16 17:04*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/04/16 17:04*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Acenaphthylene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Benzo[a]anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Benzo[a]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Benzo[b]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Benzo[g,h,i]perylene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Benzo[k]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Chrysene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Dibenz(a,h)anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Fluorene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Indeno[1,2,3-cd]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Naphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Phenanthrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
Pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
1-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1
2-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/30/16 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*54*		*13 - 120*	*10/29/16 09:36*	*10/30/16 00:20*	*1*
Nitrobenzene-d5	*45*		*27 - 120*	*10/29/16 09:36*	*10/30/16 00:20*	*1*
2-Fluorobiphenyl (Surr)	*60*		*29 - 120*	*10/29/16 09:36*	*10/30/16 00:20*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW11
Date Collected: 10/25/16 11:00
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 14:23	1
Barium	**0.0427**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:23	1
Cadmium	ND		0.00100		mg/L		11/07/16 10:40	11/11/16 14:23	1
Chromium	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:20	1
Lead	ND		0.00500		mg/L		11/07/16 10:40	11/11/16 14:23	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 14:23	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		20.0		mg/L			11/08/16 14:58	10
Alkalinity	**465**		10.0		mg/L			10/29/16 04:56	1
Total Dissolved Solids	**1160**		20.0		mg/L			10/27/16 18:35	1
Chloride	**253**		10.0		mg/L			11/07/16 19:57	10

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW19
Date Collected: 10/25/16 12:45
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:30	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:30	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 17:30	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
1,2,4-Trimethylbenzene	**0.0220**		0.00100		mg/L			11/04/16 17:30	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 17:30	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 17:30	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:30	1
1,3,5-Trimethylbenzene	**0.0140**		0.00100		mg/L			11/04/16 17:30	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:30	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:30	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 17:30	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:30	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 17:30	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 17:30	1
Acetone	ND		0.0250		mg/L			11/04/16 17:30	1
Benzene	**0.00153**		0.00100		mg/L			11/04/16 17:30	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 17:30	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 17:30	1
Bromoform	ND		0.00100		mg/L			11/04/16 17:30	1
Bromomethane	ND		0.00100		mg/L			11/04/16 17:30	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 17:30	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 17:30	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 17:30	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 17:30	1
Chloroethane	ND		0.00100		mg/L			11/04/16 17:30	1
Chloroform	ND		0.00100		mg/L			11/04/16 17:30	1
Chloromethane	ND		0.00100		mg/L			11/04/16 17:30	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:30	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:30	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 17:30	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 17:30	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 17:30	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 17:30	1
Isopropylbenzene	**0.00922**		0.00100		mg/L			11/04/16 17:30	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 17:30	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 17:30	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW19
Date Collected: 10/25/16 12:45
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.00832**		0.00500		mg/L			11/04/16 17:30	1
n-Butylbenzene	**0.00150**		0.00100		mg/L			11/04/16 17:30	1
N-Propylbenzene	**0.00339**		0.00100		mg/L			11/04/16 17:30	1
p-Isopropyltoluene	**0.00237**		0.00100		mg/L			11/04/16 17:30	1
sec-Butylbenzene	**0.00264**		0.00100		mg/L			11/04/16 17:30	1
Styrene	ND		0.00100		mg/L			11/04/16 17:30	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:30	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 17:30	1
Toluene	ND		0.00100		mg/L			11/04/16 17:30	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:30	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:30	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 17:30	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 17:30	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 17:30	1
Xylenes, Total	**0.0343**		0.00300		mg/L			11/04/16 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*11/04/16 17:30*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*11/04/16 17:30*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/04/16 17:30*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/04/16 17:30*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Acenaphthylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Benzo[a]anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Benzo[a]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Benzo[b]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Benzo[g,h,i]perylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Benzo[k]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Chrysene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Dibenz(a,h)anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Fluorene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Indeno[1,2,3-cd]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Naphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Phenanthrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
Pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
1-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1
2-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*13 - 120*	*10/29/16 09:36*	*10/31/16 16:13*	*1*
Nitrobenzene-d5	*42*		*27 - 120*	*10/29/16 09:36*	*10/31/16 16:13*	*1*
2-Fluorobiphenyl (Surr)	*57*		*29 - 120*	*10/29/16 09:36*	*10/31/16 16:13*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW19
Date Collected: 10/25/16 12:45
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-3
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0240**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:28	1
Barium	**0.0288**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:28	1
Cadmium	ND		0.00100		mg/L		11/07/16 10:40	11/11/16 14:28	1
Chromium	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:25	1
Lead	ND		0.00500		mg/L		11/07/16 10:40	11/11/16 14:28	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 14:28	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**152**		20.0		mg/L			11/08/16 14:58	10
Alkalinity	**296**		10.0		mg/L			10/29/16 05:02	1
Total Dissolved Solids	**617**		10.0		mg/L			10/27/16 18:35	1
Chloride	**32.7**		1.00		mg/L			11/07/16 19:57	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW26
Date Collected: 10/25/16 14:05
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:56	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:56	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 17:56	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 17:56	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 17:56	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:56	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:56	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 17:56	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 17:56	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:56	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 17:56	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 17:56	1
Acetone	ND		0.0250		mg/L			11/04/16 17:56	1
Benzene	ND		0.00100		mg/L			11/04/16 17:56	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 17:56	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 17:56	1
Bromoform	ND		0.00100		mg/L			11/04/16 17:56	1
Bromomethane	ND		0.00100		mg/L			11/04/16 17:56	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 17:56	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 17:56	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 17:56	1
Chloroethane	ND		0.00100		mg/L			11/04/16 17:56	1
Chloroform	ND		0.00100		mg/L			11/04/16 17:56	1
Chloromethane	ND		0.00100		mg/L			11/04/16 17:56	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:56	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:56	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 17:56	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 17:56	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 17:56	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 17:56	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 17:56	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW26
Date Collected: 10/25/16 14:05
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			11/04/16 17:56	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 17:56	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Styrene	ND		0.00100		mg/L			11/04/16 17:56	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 17:56	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 17:56	1
Toluene	ND		0.00100		mg/L			11/04/16 17:56	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 17:56	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 17:56	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 17:56	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 17:56	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 17:56	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*11/04/16 17:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*11/04/16 17:56*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*11/04/16 17:56*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/04/16 17:56*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Acenaphthylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Benzo[a]anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Benzo[a]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Benzo[b]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Benzo[g,h,i]perylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Benzo[k]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Chrysene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Dibenz(a,h)anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Fluorene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Indeno[1,2,3-cd]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Naphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Phenanthrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
Pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
1-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1
2-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*31*		*13 - 120*	*10/29/16 09:36*	*10/31/16 16:33*	*1*
Nitrobenzene-d5	*42*		*27 - 120*	*10/29/16 09:36*	*10/31/16 16:33*	*1*
2-Fluorobiphenyl (Surr)	*41*		*29 - 120*	*10/29/16 09:36*	*10/31/16 16:33*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW26
Date Collected: 10/25/16 14:05
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-4
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0300		0.0100		mg/L		11/07/16 10:40	11/11/16 15:00	1
Barium	1.37		0.0100		mg/L		11/07/16 10:40	11/11/16 15:00	1
Cadmium	0.00120		0.00100		mg/L		11/07/16 10:40	11/11/16 15:00	1
Chromium	0.0404		0.00500		mg/L		11/07/16 10:40	11/09/16 12:52	1
Lead	0.0182		0.00500		mg/L		11/07/16 10:40	11/11/16 15:00	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 15:00	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	236		20.0		mg/L			11/08/16 14:58	10
Alkalinity	339		10.0		mg/L			10/29/16 05:09	1
Total Dissolved Solids	806		10.0		mg/L			10/27/16 18:35	1
Chloride	26.2		1.00		mg/L			11/07/16 20:08	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-40-MW21
Date Collected: 10/25/16 14:30
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 18:22	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 18:22	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 18:22	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 18:22	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 18:22	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 18:22	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 18:22	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 18:22	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 18:22	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 18:22	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 18:22	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 18:22	1
Acetone	ND		0.0250		mg/L			11/04/16 18:22	1
Benzene	**0.00383**		0.00100		mg/L			11/04/16 18:22	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 18:22	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 18:22	1
Bromoform	ND		0.00100		mg/L			11/04/16 18:22	1
Bromomethane	ND		0.00100		mg/L			11/04/16 18:22	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 18:22	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 18:22	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 18:22	1
Chloroethane	ND		0.00100		mg/L			11/04/16 18:22	1
Chloroform	ND		0.00100		mg/L			11/04/16 18:22	1
Chloromethane	ND		0.00100		mg/L			11/04/16 18:22	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 18:22	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 18:22	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 18:22	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 18:22	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 18:22	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 18:22	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 18:22	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-40-MW21
Date Collected: 10/25/16 14:30
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			11/04/16 18:22	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 18:22	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Styrene	ND		0.00100		mg/L			11/04/16 18:22	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 18:22	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 18:22	1
Toluene	ND		0.00100		mg/L			11/04/16 18:22	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 18:22	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 18:22	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 18:22	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 18:22	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 18:22	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*11/04/16 18:22*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*11/04/16 18:22*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/04/16 18:22*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*11/04/16 18:22*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Acenaphthylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Benzo[a]anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Benzo[a]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Benzo[b]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Benzo[g,h,i]perylene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Benzo[k]fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Chrysene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Dibenz(a,h)anthracene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Fluorene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Fluoranthene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Indeno[1,2,3-cd]pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Naphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Phenanthrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
Pyrene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
1-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1
2-Methylnaphthalene	ND		0.0000935		mg/L		10/29/16 09:36	10/31/16 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*65*		*13 - 120*	*10/29/16 09:36*	*10/31/16 16:52*	*1*
Nitrobenzene-d5	*50*		*27 - 120*	*10/29/16 09:36*	*10/31/16 16:52*	*1*
2-Fluorobiphenyl (Surr)	*68*		*29 - 120*	*10/29/16 09:36*	*10/31/16 16:52*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-40-MW21
Date Collected: 10/25/16 14:30
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-5
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0341**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:50	1
Barium	**0.0157**		0.0100		mg/L		11/07/16 10:40	11/11/16 14:50	1
Cadmium	ND		0.00100		mg/L		11/07/16 10:40	11/11/16 14:50	1
Chromium	**0.0154**		0.00500		mg/L		11/07/16 10:40	11/09/16 12:41	1
Lead	ND		0.00500		mg/L		11/07/16 10:40	11/11/16 14:50	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/11/16 14:50	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 12:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**322**		20.0		mg/L			11/08/16 14:58	10
Alkalinity	**281**		10.0		mg/L			10/29/16 05:16	1
Total Dissolved Solids	**828**		10.0		mg/L			10/27/16 18:35	1
Chloride	**13.4**		1.00		mg/L			11/07/16 20:08	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: Trip Blank
Date Collected: 10/25/16 00:01
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 14:01	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 14:01	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 14:01	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 14:01	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 14:01	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 14:01	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 14:01	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 14:01	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 14:01	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 14:01	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 14:01	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 14:01	1
Acetone	ND		0.0250		mg/L			11/04/16 14:01	1
Benzene	ND		0.00100		mg/L			11/04/16 14:01	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 14:01	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 14:01	1
Bromoform	ND		0.00100		mg/L			11/04/16 14:01	1
Bromomethane	ND		0.00100		mg/L			11/04/16 14:01	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 14:01	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 14:01	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 14:01	1
Chloroethane	ND		0.00100		mg/L			11/04/16 14:01	1
Chloroform	ND		0.00100		mg/L			11/04/16 14:01	1
Chloromethane	ND		0.00100		mg/L			11/04/16 14:01	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 14:01	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 14:01	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 14:01	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 14:01	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 14:01	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 14:01	1
Methylene Chloride	ND		0.00500		mg/L			11/04/16 14:01	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: Trip Blank
Date Collected: 10/25/16 00:01
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			11/04/16 14:01	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 14:01	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Styrene	ND		0.00100		mg/L			11/04/16 14:01	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 14:01	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 14:01	1
Toluene	ND		0.00100		mg/L			11/04/16 14:01	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 14:01	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 14:01	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 14:01	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 14:01	1
Vinyl chloride	ND	*	0.00100		mg/L			11/04/16 14:01	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*11/04/16 14:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*11/04/16 14:01*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*11/04/16 14:01*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/04/16 14:01*	*1*

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-384127/7
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,1-Dichloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,1-Dichloroethene	ND		0.00100		mg/L			11/04/16 13:35	1
1,1-Dichloropropene	ND		0.00100		mg/L			11/04/16 13:35	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			11/04/16 13:35	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			11/04/16 13:35	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			11/04/16 13:35	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,2-Dichloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
1,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 13:35	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
1,3-Dichloropropane	ND		0.00100		mg/L			11/04/16 13:35	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
2,2-Dichloropropane	ND		0.00100		mg/L			11/04/16 13:35	1
2-Butanone (MEK)	ND		0.0500		mg/L			11/04/16 13:35	1
2-Chlorotoluene	ND		0.00100		mg/L			11/04/16 13:35	1
2-Hexanone	ND		0.0100		mg/L			11/04/16 13:35	1
4-Chlorotoluene	ND		0.00100		mg/L			11/04/16 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			11/04/16 13:35	1
Acetone	ND		0.0250		mg/L			11/04/16 13:35	1
Benzene	ND		0.00100		mg/L			11/04/16 13:35	1
Bromobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Bromochloromethane	ND		0.00100		mg/L			11/04/16 13:35	1
Bromodichloromethane	ND		0.00100		mg/L			11/04/16 13:35	1
Bromoform	ND		0.00100		mg/L			11/04/16 13:35	1
Bromomethane	ND		0.00100		mg/L			11/04/16 13:35	1
Carbon disulfide	ND		0.00100		mg/L			11/04/16 13:35	1
Carbon tetrachloride	ND		0.00100		mg/L			11/04/16 13:35	1
Chlorobenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Chlorodibromomethane	ND		0.00100		mg/L			11/04/16 13:35	1
Chloroethane	ND		0.00100		mg/L			11/04/16 13:35	1
Chloroform	ND		0.00100		mg/L			11/04/16 13:35	1
Chloromethane	ND		0.00100		mg/L			11/04/16 13:35	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 13:35	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 13:35	1
Dibromomethane	ND		0.00100		mg/L			11/04/16 13:35	1
Dichlorodifluoromethane	ND		0.00100		mg/L			11/04/16 13:35	1
Ethylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Hexachlorobutadiene	ND		0.00200		mg/L			11/04/16 13:35	1
Isopropylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Methyl tert-butyl ether	ND		0.00100		mg/L			11/04/16 13:35	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-384127/7
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.00500		mg/L			11/04/16 13:35	1
Naphthalene	ND		0.00500		mg/L			11/04/16 13:35	1
n-Butylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
N-Propylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
p-Isopropyltoluene	ND		0.00100		mg/L			11/04/16 13:35	1
sec-Butylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Styrene	ND		0.00100		mg/L			11/04/16 13:35	1
tert-Butylbenzene	ND		0.00100		mg/L			11/04/16 13:35	1
Tetrachloroethene	ND		0.00100		mg/L			11/04/16 13:35	1
Toluene	ND		0.00100		mg/L			11/04/16 13:35	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			11/04/16 13:35	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			11/04/16 13:35	1
Trichloroethene	ND		0.00100		mg/L			11/04/16 13:35	1
Trichlorofluoromethane	ND		0.00100		mg/L			11/04/16 13:35	1
Vinyl chloride	ND		0.00100		mg/L			11/04/16 13:35	1
Xylenes, Total	ND		0.00300		mg/L			11/04/16 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*11/04/16 13:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*11/04/16 13:35*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*11/04/16 13:35*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*11/04/16 13:35*	*1*

Lab Sample ID: LCS 490-384127/3
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0200	0.02010		mg/L		100	70 - 130
1,1,1-Trichloroethane	0.0200	0.01538		mg/L		77	70 - 135
1,1,2,2-Tetrachloroethane	0.0200	0.02090		mg/L		104	69 - 131
1,1,2-Trichloroethane	0.0200	0.01866		mg/L		93	70 - 130
1,1-Dichloroethane	0.0200	0.01927		mg/L		96	70 - 130
1,1-Dichloroethene	0.0200	0.01677		mg/L		84	70 - 132
1,1-Dichloropropene	0.0200	0.01646		mg/L		82	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.01655		mg/L		83	46 - 150
1,2,3-Trichloropropane	0.0200	0.02030		mg/L		101	70 - 131
1,2,4-Trichlorobenzene	0.0200	0.01648		mg/L		82	58 - 147
1,2,4-Trimethylbenzene	0.0200	0.01818		mg/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	0.0200	0.01950		mg/L		97	45 - 138
1,2-Dibromoethane (EDB)	0.0200	0.01851		mg/L		93	70 - 130
1,2-Dichlorobenzene	0.0200	0.01831		mg/L		92	70 - 130
1,2-Dichloroethane	0.0200	0.01819		mg/L		91	70 - 130
1,2-Dichloropropane	0.0200	0.01881		mg/L		94	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.01814		mg/L		91	70 - 130
1,3-Dichlorobenzene	0.0200	0.01841		mg/L		92	70 - 130
1,3-Dichloropropane	0.0200	0.01887		mg/L		94	70 - 130
1,4-Dichlorobenzene	0.0200	0.01862		mg/L		93	70 - 130

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-384127/3
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	0.0200	0.01614		mg/L		81	60 - 143
2-Butanone (MEK)	0.100	0.09799		mg/L		98	55 - 143
2-Chlorotoluene	0.0200	0.02101		mg/L		105	70 - 130
2-Hexanone	0.100	0.08741		mg/L		87	54 - 142
4-Chlorotoluene	0.0200	0.01894		mg/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	0.100	0.08986		mg/L		90	60 - 137
Acetone	0.100	0.08792		mg/L		88	39 - 150
Benzene	0.0200	0.01747		mg/L		87	70 - 130
Bromobenzene	0.0200	0.01855		mg/L		93	70 - 130
Bromochloromethane	0.0200	0.01769		mg/L		88	70 - 130
Bromodichloromethane	0.0200	0.01718		mg/L		86	70 - 130
Bromoform	0.0200	0.02024		mg/L		101	70 - 137
Bromomethane	0.0200	0.01615		mg/L		81	53 - 150
Carbon disulfide	0.0200	0.01865		mg/L		93	64 - 135
Carbon tetrachloride	0.0200	0.01647		mg/L		82	70 - 147
Chlorobenzene	0.0200	0.01895		mg/L		95	70 - 130
Chlorodibromomethane	0.0200	0.02037		mg/L		102	70 - 133
Chloroethane	0.0200	0.01725		mg/L		86	60 - 138
Chloroform	0.0200	0.01678		mg/L		84	70 - 130
Chloromethane	0.0200	0.01815		mg/L		91	33 - 150
cis-1,2-Dichloroethene	0.0200	0.01838		mg/L		92	70 - 130
cis-1,3-Dichloropropene	0.0200	0.01810		mg/L		91	70 - 133
Dibromomethane	0.0200	0.01808		mg/L		90	70 - 130
Dichlorodifluoromethane	0.0200	0.01756		mg/L		88	48 - 150
Ethylbenzene	0.0200	0.01696		mg/L		85	70 - 130
Hexachlorobutadiene	0.0200	0.01613		mg/L		81	70 - 138
Isopropylbenzene	0.0200	0.01679		mg/L		84	70 - 131
Methyl tert-butyl ether	0.0200	0.01707		mg/L		85	70 - 130
Methylene Chloride	0.0200	0.01922		mg/L		96	70 - 130
Naphthalene	0.0200	0.01628		mg/L		81	54 - 150
n-Butylbenzene	0.0200	0.01824		mg/L		91	68 - 137
N-Propylbenzene	0.0200	0.01811		mg/L		91	70 - 134
p-Isopropyltoluene	0.0200	0.01793		mg/L		90	66 - 130
sec-Butylbenzene	0.0200	0.01766		mg/L		88	70 - 135
Styrene	0.0200	0.01836		mg/L		92	70 - 130
tert-Butylbenzene	0.0200	0.01822		mg/L		91	70 - 130
Tetrachloroethene	0.0200	0.01688		mg/L		84	70 - 130
Toluene	0.0200	0.01731		mg/L		87	70 - 130
trans-1,2-Dichloroethene	0.0200	0.01744		mg/L		87	70 - 130
trans-1,3-Dichloropropene	0.0200	0.01760		mg/L		88	63 - 142
Trichloroethene	0.0200	0.01648		mg/L		82	70 - 130
Trichlorofluoromethane	0.0200	0.01598		mg/L		80	59 - 150
Vinyl chloride	0.0200	0.01711		mg/L		86	57 - 137
Xylenes, Total	0.0400	0.03497		mg/L		87	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-384127/3
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 490-384127/4
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0200	0.02079		mg/L		104	70 - 130	3	13
1,1,1-Trichloroethane			0.0200	0.01789		mg/L		89	70 - 135	15	15
1,1,2,2-Tetrachloroethane			0.0200	0.02099		mg/L		105	69 - 131	0	15
1,1,2-Trichloroethane			0.0200	0.01883		mg/L		94	70 - 130	1	13
1,1-Dichloroethane			0.0200	0.01785		mg/L		89	70 - 130	8	17
1,1-Dichloroethene			0.0200	0.01873		mg/L		94	70 - 132	11	20
1,1-Dichloropropene			0.0200	0.01898		mg/L		95	70 - 130	14	16
1,2,3-Trichlorobenzene			0.0200	0.01737		mg/L		87	46 - 150	5	16
1,2,3-Trichloropropane			0.0200	0.01946		mg/L		97	70 - 131	4	14
1,2,4-Trichlorobenzene			0.0200	0.01744		mg/L		87	58 - 147	6	15
1,2,4-Trimethylbenzene			0.0200	0.01939		mg/L		97	70 - 130	6	13
1,2-Dibromo-3-Chloropropane			0.0200	0.01930		mg/L		96	45 - 138	1	19
1,2-Dibromoethane (EDB)			0.0200	0.01844		mg/L		92	70 - 130	0	13
1,2-Dichlorobenzene			0.0200	0.01942		mg/L		97	70 - 130	6	12
1,2-Dichloroethane			0.0200	0.01831		mg/L		92	70 - 130	1	13
1,2-Dichloropropane			0.0200	0.01971		mg/L		99	70 - 130	5	15
1,3,5-Trimethylbenzene			0.0200	0.01996		mg/L		100	70 - 130	10	14
1,3-Dichlorobenzene			0.0200	0.01989		mg/L		99	70 - 130	8	13
1,3-Dichloropropane			0.0200	0.01885		mg/L		94	70 - 130	0	12
1,4-Dichlorobenzene			0.0200	0.01938		mg/L		97	70 - 130	4	12
2,2-Dichloropropane			0.0200	0.01774		mg/L		89	60 - 143	9	20
2-Butanone (MEK)			0.100	0.09166		mg/L		92	55 - 143	7	19
2-Chlorotoluene			0.0200	0.02300		mg/L		115	70 - 130	9	15
2-Hexanone			0.100	0.08596		mg/L		86	54 - 142	2	17
4-Chlorotoluene			0.0200	0.02072		mg/L		104	70 - 130	9	15
4-Methyl-2-pentanone (MIBK)			0.100	0.08753		mg/L		88	60 - 137	3	21
Acetone			0.100	0.08655		mg/L		87	39 - 150	2	23
Benzene			0.0200	0.01914		mg/L		96	70 - 130	9	12
Bromobenzene			0.0200	0.01948		mg/L		97	70 - 130	5	16
Bromochloromethane			0.0200	0.01814		mg/L		91	70 - 130	3	16
Bromodichloromethane			0.0200	0.01776		mg/L		89	70 - 130	3	14
Bromoform			0.0200	0.01995		mg/L		100	70 - 137	1	14
Bromomethane			0.0200	0.01721		mg/L		86	53 - 150	6	19
Carbon disulfide			0.0200	0.02137		mg/L		107	64 - 135	14	16
Carbon tetrachloride			0.0200	0.01912		mg/L		96	70 - 147	15	16
Chlorobenzene			0.0200	0.01976		mg/L		99	70 - 130	4	12
Chlorodibromomethane			0.0200	0.02064		mg/L		103	70 - 133	1	13
Chloroethane			0.0200	0.01940		mg/L		97	60 - 138	12	15
Chloroform			0.0200	0.01815		mg/L		91	70 - 130	8	14
Chloromethane			0.0200	0.02048		mg/L		102	33 - 150	12	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-384127/4
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			0.0200	0.01969		mg/L		98	70 - 130	7	15
cis-1,3-Dichloropropene			0.0200	0.01843		mg/L		92	70 - 133	2	15
Dibromomethane			0.0200	0.01862		mg/L		93	70 - 130	3	14
Dichlorodifluoromethane			0.0200	0.01899		mg/L		95	48 - 150	8	16
Ethylbenzene			0.0200	0.01854		mg/L		93	70 - 130	9	12
Hexachlorobutadiene			0.0200	0.01884		mg/L		94	70 - 138	15	16
Isopropylbenzene			0.0200	0.01825		mg/L		91	70 - 131	8	13
Methyl tert-butyl ether			0.0200	0.01770		mg/L		89	70 - 130	4	16
Methylene Chloride			0.0200	0.01997		mg/L		100	70 - 130	4	15
Naphthalene			0.0200	0.01663		mg/L		83	54 - 150	2	15
n-Butylbenzene			0.0200	0.02084		mg/L		104	68 - 137	13	14
N-Propylbenzene			0.0200	0.02039		mg/L		102	70 - 134	12	14
p-Isopropyltoluene			0.0200	0.02019		mg/L		101	66 - 130	12	13
sec-Butylbenzene			0.0200	0.02008		mg/L		100	70 - 135	13	14
Styrene			0.0200	0.01915		mg/L		96	70 - 130	4	12
tert-Butylbenzene			0.0200	0.02038		mg/L		102	70 - 130	11	14
Tetrachloroethene			0.0200	0.01876		mg/L		94	70 - 130	11	17
Toluene			0.0200	0.01860		mg/L		93	70 - 130	7	13
trans-1,2-Dichloroethene			0.0200	0.01911		mg/L		96	70 - 130	9	15
trans-1,3-Dichloropropene			0.0200	0.01744		mg/L		87	63 - 142	1	13
Trichloroethene			0.0200	0.01880		mg/L		94	70 - 130	13	14
Trichlorofluoromethane			0.0200	0.01866		mg/L		93	59 - 150	15	22
Vinyl chloride			0.0200	0.01999	*	mg/L		100	57 - 137	16	15
Xylenes, Total			0.0400	0.03752		mg/L		94	70 - 132	7	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 490-114869-U-2 MS
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0500	0.05110		mg/L		102	70 - 131
1,1,1-Trichloroethane	ND		0.0500	0.04621		mg/L		92	68 - 144
1,1,2,2-Tetrachloroethane	ND		0.0500	0.04843		mg/L		97	56 - 145
1,1,2-Trichloroethane	ND		0.0500	0.04519		mg/L		90	70 - 130
1,1-Dichloroethane	ND		0.0500	0.05343		mg/L		107	61 - 139
1,1-Dichloroethene	ND		0.0500	0.05118		mg/L		102	54 - 150
1,1-Dichloropropene	ND		0.0500	0.04858		mg/L		97	54 - 150
1,2,3-Trichlorobenzene	ND		0.0500	0.03893		mg/L		78	36 - 150
1,2,3-Trichloropropane	ND		0.0500	0.04782		mg/L		96	65 - 131
1,2,4-Trichlorobenzene	ND		0.0500	0.04035		mg/L		81	47 - 147
1,2,4-Trimethylbenzene	ND		0.0500	0.04647		mg/L		93	64 - 136
1,2-Dibromo-3-Chloropropane	ND		0.0500	0.04782		mg/L		96	38 - 138

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-114869-U-2 MS
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		0.0500	0.04433		mg/L		89	65 - 137
1,2-Dichlorobenzene	ND		0.0500	0.04603		mg/L		92	70 - 130
1,2-Dichloroethane	ND		0.0500	0.04591		mg/L		92	64 - 136
1,2-Dichloropropane	ND		0.0500	0.04979		mg/L		100	67 - 130
1,3,5-Trimethylbenzene	ND		0.0500	0.04713		mg/L		94	69 - 139
1,3-Dichlorobenzene	ND		0.0500	0.04689		mg/L		94	68 - 131
1,3-Dichloropropane	ND		0.0500	0.04513		mg/L		90	70 - 130
1,4-Dichlorobenzene	ND		0.0500	0.04643		mg/L		93	70 - 130
2,2-Dichloropropane	ND		0.0500	0.04510		mg/L		90	50 - 146
2-Butanone (MEK)	ND		0.250	0.2214		mg/L		89	50 - 143
2-Chlorotoluene	ND		0.0500	0.05477		mg/L		110	67 - 138
2-Hexanone	ND		0.250	0.2055		mg/L		82	44 - 150
4-Chlorotoluene	ND		0.0500	0.04882		mg/L		98	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		0.250	0.2135		mg/L		85	50 - 140
Acetone	ND		0.250	0.1970		mg/L		79	39 - 150
Benzene	ND		0.0500	0.04743		mg/L		95	55 - 147
Bromobenzene	ND		0.0500	0.04768		mg/L		95	60 - 133
Bromochloromethane	ND		0.0500	0.04637		mg/L		93	59 - 132
Bromodichloromethane	ND		0.0500	0.04575		mg/L		92	70 - 140
Bromoform	ND		0.0500	0.04777		mg/L		96	53 - 150
Bromomethane	ND		0.0500	0.04973		mg/L		99	30 - 150
Carbon disulfide	ND		0.0500	0.05538		mg/L		111	35 - 150
Carbon tetrachloride	ND		0.0500	0.04967		mg/L		99	56 - 150
Chlorobenzene	ND		0.0500	0.04767		mg/L		95	70 - 130
Chlorodibromomethane	ND		0.0500	0.05128		mg/L		103	66 - 140
Chloroethane	ND		0.0500	0.04969		mg/L		99	58 - 141
Chloroform	ND		0.0500	0.04761		mg/L		95	66 - 138
Chloromethane	ND		0.0500	0.05494		mg/L		110	10 - 150
cis-1,2-Dichloroethene	ND		0.0500	0.05065		mg/L		101	68 - 131
cis-1,3-Dichloropropene	ND		0.0500	0.04519		mg/L		90	70 - 133
Dibromomethane	ND		0.0500	0.04512		mg/L		90	70 - 130
Dichlorodifluoromethane	ND		0.0500	0.04920		mg/L		98	10 - 150
Ethylbenzene	ND		0.0500	0.04435		mg/L		89	65 - 139
Hexachlorobutadiene	ND		0.0500	0.04199		mg/L		84	61 - 141
Isopropylbenzene	ND		0.0500	0.04407		mg/L		88	70 - 137
Methyl tert-butyl ether	ND		0.0500	0.04222		mg/L		83	55 - 141
Methylene Chloride	ND		0.0500	0.04874		mg/L		97	64 - 130
Naphthalene	ND		0.0500	0.04015		mg/L		80	32 - 150
n-Butylbenzene	ND		0.0500	0.04801		mg/L		96	61 - 141
N-Propylbenzene	ND		0.0500	0.04751		mg/L		95	53 - 150
p-Isopropyltoluene	ND		0.0500	0.04668		mg/L		93	66 - 137
sec-Butylbenzene	ND		0.0500	0.04709		mg/L		94	55 - 136
Styrene	ND		0.0500	0.04639		mg/L		93	70 - 130
tert-Butylbenzene	ND		0.0500	0.04851		mg/L		97	70 - 138
Tetrachloroethene	ND		0.0500	0.04631		mg/L		93	57 - 138
Toluene	ND		0.0500	0.04480		mg/L		90	64 - 136
trans-1,2-Dichloroethene	ND		0.0500	0.05167		mg/L		103	59 - 143
trans-1,3-Dichloropropene	ND		0.0500	0.04274		mg/L		85	63 - 142

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-114869-U-2 MS
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		0.0500	0.04695		mg/L		94	63 - 135
Trichlorofluoromethane	ND		0.0500	0.04858		mg/L		97	44 - 150
Vinyl chloride	ND	*	0.0500	0.05021		mg/L		100	57 - 150
Xylenes, Total	ND		0.100	0.09072		mg/L		91	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-114869-W-2 MSD
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.0500	0.05188		mg/L		104	70 - 131	2	16
1,1,1-Trichloroethane	ND		0.0500	0.04652		mg/L		93	68 - 144	1	17
1,1,2,2-Tetrachloroethane	ND		0.0500	0.04943		mg/L		99	56 - 145	2	19
1,1,2-Trichloroethane	ND		0.0500	0.04489		mg/L		90	70 - 130	1	18
1,1-Dichloroethane	ND		0.0500	0.05396		mg/L		108	61 - 139	1	23
1,1-Dichloroethene	ND		0.0500	0.05159		mg/L		103	54 - 150	1	24
1,1-Dichloropropene	ND		0.0500	0.04930		mg/L		99	54 - 150	1	24
1,2,3-Trichlorobenzene	ND		0.0500	0.04300		mg/L		86	36 - 150	10	43
1,2,3-Trichloropropane	ND		0.0500	0.04870		mg/L		97	65 - 131	2	19
1,2,4-Trichlorobenzene	ND		0.0500	0.04358		mg/L		87	47 - 147	8	24
1,2,4-Trimethylbenzene	ND		0.0500	0.04797		mg/L		96	64 - 136	3	18
1,2-Dibromo-3-Chloropropane	ND		0.0500	0.04869		mg/L		97	38 - 138	2	26
1,2-Dibromoethane (EDB)	ND		0.0500	0.04497		mg/L		90	65 - 137	1	21
1,2-Dichlorobenzene	ND		0.0500	0.04721		mg/L		94	70 - 130	3	15
1,2-Dichloroethane	ND		0.0500	0.04678		mg/L		94	64 - 136	2	22
1,2-Dichloropropane	ND		0.0500	0.05057		mg/L		101	67 - 130	2	19
1,3,5-Trimethylbenzene	ND		0.0500	0.04857		mg/L		97	69 - 139	3	17
1,3-Dichlorobenzene	ND		0.0500	0.04850		mg/L		97	68 - 131	3	14
1,3-Dichloropropane	ND		0.0500	0.04515		mg/L		90	70 - 130	0	17
1,4-Dichlorobenzene	ND		0.0500	0.04818		mg/L		96	70 - 130	4	14
2,2-Dichloropropane	ND		0.0500	0.04359		mg/L		87	50 - 146	3	20
2-Butanone (MEK)	ND		0.250	0.2231		mg/L		89	50 - 143	1	28
2-Chlorotoluene	ND		0.0500	0.05521		mg/L		110	67 - 138	1	17
2-Hexanone	ND		0.250	0.2082		mg/L		83	44 - 150	1	21
4-Chlorotoluene	ND		0.0500	0.04958		mg/L		99	69 - 138	2	15
4-Methyl-2-pentanone (MIBK)	ND		0.250	0.2133		mg/L		85	50 - 140	0	24
Acetone	ND		0.250	0.2125		mg/L		85	39 - 150	8	28
Benzene	ND		0.0500	0.04825		mg/L		97	55 - 147	2	22
Bromobenzene	ND		0.0500	0.04874		mg/L		97	60 - 133	2	18
Bromochloromethane	ND		0.0500	0.04595		mg/L		92	59 - 132	1	21
Bromodichloromethane	ND		0.0500	0.04631		mg/L		93	70 - 140	1	196
Bromoform	ND		0.0500	0.04782		mg/L		96	53 - 150	0	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-114869-W-2 MSD
Matrix: Water
Analysis Batch: 384127

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		0.0500	0.04877		mg/L		98	30 - 150	2	44
Carbon disulfide	ND		0.0500	0.05603		mg/L		112	35 - 150	1	34
Carbon tetrachloride	ND		0.0500	0.04867		mg/L		97	56 - 150	2	18
Chlorobenzene	ND		0.0500	0.04803		mg/L		96	70 - 130	1	15
Chlorodibromomethane	ND		0.0500	0.05241		mg/L		105	66 - 140	2	19
Chloroethane	ND		0.0500	0.04971		mg/L		99	58 - 141	0	31
Chloroform	ND		0.0500	0.04870		mg/L		97	66 - 138	2	21
Chloromethane	ND		0.0500	0.05704		mg/L		114	10 - 150	4	43
cis-1,2-Dichloroethene	ND		0.0500	0.05094		mg/L		102	68 - 131	1	21
cis-1,3-Dichloropropene	ND		0.0500	0.04596		mg/L		92	70 - 133	2	19
Dibromomethane	ND		0.0500	0.04531		mg/L		91	70 - 130	0	19
Dichlorodifluoromethane	ND		0.0500	0.05002		mg/L		100	10 - 150	2	50
Ethylbenzene	ND		0.0500	0.04475		mg/L		90	65 - 139	1	18
Hexachlorobutadiene	ND		0.0500	0.04431		mg/L		89	61 - 141	5	26
Isopropylbenzene	ND		0.0500	0.04487		mg/L		90	70 - 137	2	17
Methyl tert-butyl ether	ND		0.0500	0.04354		mg/L		86	55 - 141	3	24
Methylene Chloride	ND		0.0500	0.04942		mg/L		99	64 - 130	1	22
Naphthalene	ND		0.0500	0.04289		mg/L		86	32 - 150	7	40
n-Butylbenzene	ND		0.0500	0.04979		mg/L		100	61 - 141	4	17
N-Propylbenzene	ND		0.0500	0.04877		mg/L		98	53 - 150	3	18
p-Isopropyltoluene	ND		0.0500	0.04827		mg/L		97	66 - 137	3	16
sec-Butylbenzene	ND		0.0500	0.04872		mg/L		97	55 - 136	3	50
Styrene	ND		0.0500	0.04686		mg/L		94	70 - 130	1	16
tert-Butylbenzene	ND		0.0500	0.05018		mg/L		100	70 - 138	3	17
Tetrachloroethene	ND		0.0500	0.04603		mg/L		92	57 - 138	1	17
Toluene	ND		0.0500	0.04530		mg/L		91	64 - 136	1	18
trans-1,2-Dichloroethene	ND		0.0500	0.05232		mg/L		105	59 - 143	1	25
trans-1,3-Dichloropropene	ND		0.0500	0.04317		mg/L		86	63 - 142	1	18
Trichloroethene	ND		0.0500	0.04768		mg/L		95	63 - 135	2	17
Trichlorofluoromethane	ND		0.0500	0.04714		mg/L		94	44 - 150	3	32
Vinyl chloride	ND	*	0.0500	0.05105		mg/L		102	57 - 150	2	37
Xylenes, Total	ND		0.100	0.09194		mg/L		92	69 - 132	1	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 490-382366/1-A
Matrix: Water
Analysis Batch: 382423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 382366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Acenaphthylene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 490-382366/1-A
Matrix: Water
Analysis Batch: 382423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 382366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Benzo[a]anthracene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Benzo[a]pyrene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Benzo[b]fluoranthene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Benzo[g,h,i]perylene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Benzo[k]fluoranthene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Chrysene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Dibenz(a,h)anthracene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Fluorene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Fluoranthene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Indeno[1,2,3-cd]pyrene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Naphthalene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Phenanthrene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
Pyrene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
1-Methylnaphthalene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1
2-Methylnaphthalene	ND		0.000100		mg/L		10/29/16 09:36	10/29/16 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*13 - 120*	*10/29/16 09:36*	*10/29/16 23:03*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*10/29/16 09:36*	*10/29/16 23:03*	*1*
2-Fluorobiphenyl (Surr)	*73*		*29 - 120*	*10/29/16 09:36*	*10/29/16 23:03*	*1*

Lab Sample ID: LCS 490-382366/2-A
Matrix: Water
Analysis Batch: 382423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 382366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00100	0.0005578		mg/L		56	46 - 120
Acenaphthylene	0.00100	0.0005819		mg/L		58	48 - 120
Anthracene	0.00100	0.0005984		mg/L		60	58 - 130
Benzo[a]anthracene	0.00100	0.0007240		mg/L		72	57 - 120
Benzo[a]pyrene	0.00100	0.0006383		mg/L		64	57 - 124
Benzo[b]fluoranthene	0.00100	0.0005936		mg/L		59	51 - 125
Benzo[g,h,i]perylene	0.00100	0.0006698		mg/L		67	51 - 123
Benzo[k]fluoranthene	0.00100	0.0007952		mg/L		80	51 - 120
Chrysene	0.00100	0.0006528		mg/L		65	55 - 120
Dibenz(a,h)anthracene	0.00100	0.0006452		mg/L		65	50 - 125
Fluorene	0.00100	0.0005656		mg/L		57	52 - 120
Fluoranthene	0.00100	0.0006130		mg/L		61	56 - 120
Indeno[1,2,3-cd]pyrene	0.00100	0.0006285		mg/L		63	54 - 125
Naphthalene	0.00100	0.0006014		mg/L		60	37 - 120
Phenanthrene	0.00100	0.0006393		mg/L		64	56 - 120
Pyrene	0.00100	0.0007043		mg/L		70	53 - 129
1-Methylnaphthalene	0.00100	0.0006420		mg/L		64	36 - 120
2-Methylnaphthalene	0.00100	0.0005806		mg/L		58	31 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 490-382366/2-A
Matrix: Water
Analysis Batch: 382423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 382366

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*60*		*13 - 120*
Nitrobenzene-d5	*54*		*27 - 120*
2-Fluorobiphenyl (Surr)	*60*		*29 - 120*

Lab Sample ID: LCSD 490-382366/3-A
Matrix: Water
Analysis Batch: 382423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 382366

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			0.00100	0.0006692		mg/L		67	46 - 120	18	31
Acenaphthylene			0.00100	0.0006895		mg/L		69	48 - 120	17	31
Anthracene			0.00100	0.0006891		mg/L		69	58 - 130	14	28
Benzo[a]anthracene			0.00100	0.0008295		mg/L		83	57 - 120	14	27
Benzo[a]pyrene			0.00100	0.0007552		mg/L		76	57 - 124	17	27
Benzo[b]fluoranthene			0.00100	0.0007228		mg/L		72	51 - 125	20	39
Benzo[g,h,i]perylene			0.00100	0.0007848		mg/L		78	51 - 123	16	27
Benzo[k]fluoranthene			0.00100	0.0008719		mg/L		87	51 - 120	9	32
Chrysene			0.00100	0.0007597		mg/L		76	55 - 120	15	27
Dibenz(a,h)anthracene			0.00100	0.0007374		mg/L		74	50 - 125	13	28
Fluorene			0.00100	0.0006569		mg/L		66	52 - 120	15	28
Fluoranthene			0.00100	0.0007066		mg/L		71	56 - 120	14	28
Indeno[1,2,3-cd]pyrene			0.00100	0.0007488		mg/L		75	54 - 125	17	27
Naphthalene			0.00100	0.0007221		mg/L		72	37 - 120	18	37
Phenanthrene			0.00100	0.0007500		mg/L		75	56 - 120	16	26
Pyrene			0.00100	0.0008191		mg/L		82	53 - 129	15	29
1-Methylnaphthalene			0.00100	0.0007448		mg/L		74	36 - 120	15	36
2-Methylnaphthalene			0.00100	0.0006846		mg/L		68	31 - 120	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*69*		*13 - 120*
Nitrobenzene-d5	*62*		*27 - 120*
2-Fluorobiphenyl (Surr)	*75*		*29 - 120*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-384612/1-A
Matrix: Water
Analysis Batch: 385299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		11/07/16 10:40	11/09/16 10:14	1
Barium	ND		0.0100		mg/L		11/07/16 10:40	11/09/16 10:14	1
Cadmium	ND		0.00100		mg/L		11/07/16 10:40	11/09/16 10:14	1
Chromium	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 10:14	1
Lead	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 10:14	1
Selenium	ND		0.0100		mg/L		11/07/16 10:40	11/09/16 10:14	1
Silver	ND		0.00500		mg/L		11/07/16 10:40	11/09/16 10:14	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 490-384612/2-A
Matrix: Water
Analysis Batch: 385299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0500	0.04620		mg/L		92	80 - 120
Barium	2.00	2.081		mg/L		104	80 - 120
Cadmium	0.0500	0.04940		mg/L		99	80 - 120
Chromium	0.200	0.1880		mg/L		94	80 - 120
Lead	0.0500	0.05040		mg/L		101	80 - 120
Selenium	0.0500	0.05010		mg/L		100	80 - 120
Silver	0.0500	0.04900		mg/L		98	80 - 120

Lab Sample ID: LCSD 490-384612/3-A
Matrix: Water
Analysis Batch: 385299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384612

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0500	0.04770		mg/L		95	80 - 120	3	20
Barium	2.00	2.070		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.04940		mg/L		99	80 - 120	0	20
Chromium	0.200	0.1904		mg/L		95	80 - 120	1	20
Lead	0.0500	0.05080		mg/L		102	80 - 120	1	20
Selenium	0.0500	0.04880		mg/L		98	80 - 120	3	20
Silver	0.0500	0.04810		mg/L		96	80 - 120	2	20

Lab Sample ID: 490-114825-A-6-E MS
Matrix: Water
Analysis Batch: 385299

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 384612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.0500	0.05150		mg/L		103	75 - 125
Barium	0.192		2.00	2.248		mg/L		103	75 - 125
Cadmium	0.00220		0.0500	0.05140		mg/L		98	75 - 125
Chromium	ND		0.200	0.1823		mg/L		91	75 - 125
Lead	ND		0.0500	0.05190		mg/L		104	75 - 125
Selenium	ND		0.0500	0.04850		mg/L		97	75 - 125
Silver	ND		0.0500	0.04760		mg/L		95	75 - 125

Lab Sample ID: 490-114825-A-6-F MSD
Matrix: Water
Analysis Batch: 385299

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 384612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.0500	0.04850		mg/L		97	75 - 125	6	20
Barium	0.192		2.00	2.237		mg/L		102	75 - 125	0	20
Cadmium	0.00220		0.0500	0.05110		mg/L		98	75 - 125	1	20
Chromium	ND		0.200	0.1836		mg/L		92	75 - 125	1	20
Lead	ND		0.0500	0.05220		mg/L		104	75 - 125	1	20
Selenium	ND		0.0500	0.04770		mg/L		95	75 - 125	2	20
Silver	ND		0.0500	0.04790		mg/L		96	75 - 125	1	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-384091/1-A
Matrix: Water
Analysis Batch: 384516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/04/16 09:45	11/04/16 16:45	1

Lab Sample ID: LCS 490-384091/2-A
Matrix: Water
Analysis Batch: 384516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.001059		mg/L		106	80 - 120

Lab Sample ID: LCSD 490-384091/3-A
Matrix: Water
Analysis Batch: 384516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00100	0.001081		mg/L		108	80 - 120	2	20

Lab Sample ID: 490-114809-B-6-D MS
Matrix: Water
Analysis Batch: 384516

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 384091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00100	0.001056		mg/L		106	75 - 125

Lab Sample ID: 490-114809-B-6-E MSD
Matrix: Water
Analysis Batch: 384516

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 384091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.001039		mg/L		104	75 - 125	2	20

Method: D516-90, 02 - Sulfate

Lab Sample ID: MB 490-384992/4
Matrix: Water
Analysis Batch: 384992

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.00		mg/L			11/08/16 14:58	1

Lab Sample ID: LCS 490-384992/5
Matrix: Water
Analysis Batch: 384992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.458		mg/L		95	90 - 110

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: D516-90, 02 - Sulfate (Continued)

Lab Sample ID: LCSD 490-384992/6
Matrix: Water
Analysis Batch: 384992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate			10.0	9.591		mg/L		96	90 - 110	1	10

Lab Sample ID: 490-114836-1 MS
Matrix: Water
Analysis Batch: 384992

Client Sample ID: W-42-MW22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	22.4	F1	10.0	23.33	F1	mg/L		9	80 - 120

Lab Sample ID: 490-114836-1 MSD
Matrix: Water
Analysis Batch: 384992

Client Sample ID: W-42-MW22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	22.4	F1	10.0	23.16	F1	mg/L		7	80 - 120	1	20

Lab Sample ID: 490-114836-5 DU
Matrix: Water
Analysis Batch: 384992

Client Sample ID: W-40-MW21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfate	322			321.3		mg/L				0.3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 490-382401/97
Matrix: Water
Analysis Batch: 382401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity			100	95.64		mg/L		96	90 - 110

Lab Sample ID: LCSD 490-382401/116
Matrix: Water
Analysis Batch: 382401

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity			100	98.97		mg/L		99	90 - 110	3	20

Lab Sample ID: 490-114803-B-1 DU
Matrix: Water
Analysis Batch: 382401

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	120			119.5		mg/L				0.8	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 490-381176/1
Matrix: Water
Analysis Batch: 381176

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0		mg/L			10/27/16 18:35	1

Lab Sample ID: LCS 490-381176/2
Matrix: Water
Analysis Batch: 381176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			100	101.0		mg/L		101	90 - 110		

Lab Sample ID: LCSD 490-381176/25
Matrix: Water
Analysis Batch: 381176

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			100	109.0		mg/L		109	90 - 110	8	20

Lab Sample ID: 490-114836-1 DU
Matrix: Water
Analysis Batch: 381176

Client Sample ID: W-42-MW22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	709			708.0		mg/L				0.1	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 490-384742/3
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			11/07/16 19:57	1

Lab Sample ID: LCS 490-384742/4
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	10.53		mg/L		105	90 - 110		

Lab Sample ID: LCSD 490-384742/5
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			10.0	10.42		mg/L		104	90 - 110	1	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 490-114895-L-2 MS
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.53		10.0	16.19		mg/L		107	76 - 126

Lab Sample ID: 490-114895-L-2 MSD
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.53		10.0	16.07		mg/L		105	76 - 126	1	20

Lab Sample ID: 490-114895-L-2 DU
Matrix: Water
Analysis Batch: 384742

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	5.53		5.467		mg/L		1	20

Lab Sample ID: MB 490-384743/1
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L			11/07/16 20:08	1

Lab Sample ID: LCS 490-384743/2
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.32		mg/L		103	90 - 110

Lab Sample ID: LCSD 490-384743/3
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.26		mg/L		103	90 - 110	1	20

Lab Sample ID: 490-114895-L-1 MS
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	28.5		10.0	38.82		mg/L		103	76 - 126

Lab Sample ID: 490-114895-L-1 MSD
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	28.5		10.0	38.89		mg/L		104	76 - 126	0	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Lab Sample ID: 490-114895-L-1 DU
Matrix: Water
Analysis Batch: 384743

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	28.5			28.623.		mg/L				NC	20

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

GC/MS VOA

Analysis Batch: 384127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	8260B	
490-114836-2	W-41-MW11	Total/NA	Water	8260B	
490-114836-3	W-41-MW19	Total/NA	Water	8260B	
490-114836-4	W-41-MW26	Total/NA	Water	8260B	
490-114836-5	W-40-MW21	Total/NA	Water	8260B	
490-114836-6	Trip Blank	Total/NA	Water	8260B	
MB 490-384127/7	Method Blank	Total/NA	Water	8260B	
LCS 490-384127/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-384127/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-114869-U-2 MS	Matrix Spike	Total/NA	Water	8260B	
490-114869-W-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 382366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	3510C	
490-114836-2	W-41-MW11	Total/NA	Water	3510C	
490-114836-3	W-41-MW19	Total/NA	Water	3510C	
490-114836-4	W-41-MW26	Total/NA	Water	3510C	
490-114836-5	W-40-MW21	Total/NA	Water	3510C	
MB 490-382366/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-382366/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-382366/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 382423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	8270C SIM	382366
490-114836-2	W-41-MW11	Total/NA	Water	8270C SIM	382366
MB 490-382366/1-A	Method Blank	Total/NA	Water	8270C SIM	382366
LCS 490-382366/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	382366
LCSD 490-382366/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	382366

Analysis Batch: 382672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-3	W-41-MW19	Total/NA	Water	8270C SIM	382366
490-114836-4	W-41-MW26	Total/NA	Water	8270C SIM	382366
490-114836-5	W-40-MW21	Total/NA	Water	8270C SIM	382366

Metals

Prep Batch: 384091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	7470A	
490-114836-2	W-41-MW11	Total/NA	Water	7470A	
490-114836-3	W-41-MW19	Total/NA	Water	7470A	
490-114836-4	W-41-MW26	Total/NA	Water	7470A	
490-114836-5	W-40-MW21	Total/NA	Water	7470A	
MB 490-384091/1-A	Method Blank	Total/NA	Water	7470A	
LCS 490-384091/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Metals (Continued)

Prep Batch: 384091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-384091/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
490-114809-B-6-D MS	Matrix Spike	Total/NA	Water	7470A	
490-114809-B-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 384516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	7470A	384091
490-114836-2	W-41-MW11	Total/NA	Water	7470A	384091
490-114836-3	W-41-MW19	Total/NA	Water	7470A	384091
490-114836-4	W-41-MW26	Total/NA	Water	7470A	384091
490-114836-5	W-40-MW21	Total/NA	Water	7470A	384091
MB 490-384091/1-A	Method Blank	Total/NA	Water	7470A	384091
LCS 490-384091/2-A	Lab Control Sample	Total/NA	Water	7470A	384091
LCSD 490-384091/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	384091
490-114809-B-6-D MS	Matrix Spike	Total/NA	Water	7470A	384091
490-114809-B-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	384091

Prep Batch: 384612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	3010A	
490-114836-2	W-41-MW11	Total/NA	Water	3010A	
490-114836-3	W-41-MW19	Total/NA	Water	3010A	
490-114836-4	W-41-MW26	Total/NA	Water	3010A	
490-114836-5	W-40-MW21	Total/NA	Water	3010A	
MB 490-384612/1-A	Method Blank	Total/NA	Water	3010A	
LCS 490-384612/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-384612/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
490-114825-A-6-E MS	Matrix Spike	Total/NA	Water	3010A	
490-114825-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 385299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	6010B	384612
490-114836-2	W-41-MW11	Total/NA	Water	6010B	384612
490-114836-3	W-41-MW19	Total/NA	Water	6010B	384612
490-114836-4	W-41-MW26	Total/NA	Water	6010B	384612
490-114836-5	W-40-MW21	Total/NA	Water	6010B	384612
MB 490-384612/1-A	Method Blank	Total/NA	Water	6010B	384612
LCS 490-384612/2-A	Lab Control Sample	Total/NA	Water	6010B	384612
LCSD 490-384612/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	384612
490-114825-A-6-E MS	Matrix Spike	Total/NA	Water	6010B	384612
490-114825-A-6-F MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	384612

Analysis Batch: 386196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	6010B	384612
490-114836-2	W-41-MW11	Total/NA	Water	6010B	384612
490-114836-3	W-41-MW19	Total/NA	Water	6010B	384612
490-114836-4	W-41-MW26	Total/NA	Water	6010B	384612
490-114836-5	W-40-MW21	Total/NA	Water	6010B	384612

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

General Chemistry

Analysis Batch: 381176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	SM 2540C	
490-114836-2	W-41-MW11	Total/NA	Water	SM 2540C	
490-114836-3	W-41-MW19	Total/NA	Water	SM 2540C	
490-114836-4	W-41-MW26	Total/NA	Water	SM 2540C	
490-114836-5	W-40-MW21	Total/NA	Water	SM 2540C	
MB 490-381176/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 490-381176/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 490-381176/25	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
490-114836-1 DU	W-42-MW22	Total/NA	Water	SM 2540C	

Analysis Batch: 382401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	SM 2320B	
490-114836-2	W-41-MW11	Total/NA	Water	SM 2320B	
490-114836-3	W-41-MW19	Total/NA	Water	SM 2320B	
490-114836-4	W-41-MW26	Total/NA	Water	SM 2320B	
490-114836-5	W-40-MW21	Total/NA	Water	SM 2320B	
LCS 490-382401/97	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 490-382401/116	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
490-114803-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 384742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	SM 4500 Cl- E	
490-114836-2	W-41-MW11	Total/NA	Water	SM 4500 Cl- E	
490-114836-3	W-41-MW19	Total/NA	Water	SM 4500 Cl- E	
MB 490-384742/3	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 490-384742/4	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 490-384742/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-2 DU	Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 384743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-4	W-41-MW26	Total/NA	Water	SM 4500 Cl- E	
490-114836-5	W-40-MW21	Total/NA	Water	SM 4500 Cl- E	
MB 490-384743/1	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 490-384743/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 490-384743/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
490-114895-L-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 384992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-114836-1	W-42-MW22	Total/NA	Water	D516-90, 02	
490-114836-2	W-41-MW11	Total/NA	Water	D516-90, 02	
490-114836-3	W-41-MW19	Total/NA	Water	D516-90, 02	
490-114836-4	W-41-MW26	Total/NA	Water	D516-90, 02	
490-114836-5	W-40-MW21	Total/NA	Water	D516-90, 02	

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

General Chemistry (Continued)

Analysis Batch: 384992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-384992/4	Method Blank	Total/NA	Water	D516-90, 02	
LCS 490-384992/5	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCSD 490-384992/6	Lab Control Sample Dup	Total/NA	Water	D516-90, 02	
490-114836-1 MS	W-42-MW22	Total/NA	Water	D516-90, 02	
490-114836-1 MSD	W-42-MW22	Total/NA	Water	D516-90, 02	
490-114836-5 DU	W-40-MW21	Total/NA	Water	D516-90, 02	

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-42-MW22

Date Collected: 10/25/16 10:15
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 16:38	KS	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	382366	10/29/16 09:36	KB	TAL NSH
Total/NA	Analysis	8270C SIM		1			382423	10/30/16 00:01	RP	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			385299	11/09/16 12:15	TSC	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			386196	11/11/16 14:18	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	384091	11/04/16 09:45	LCS	TAL NSH
Total/NA	Analysis	7470A		1			384516	11/04/16 17:11	LCS	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	384992	11/08/16 14:58	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	382401	10/29/16 04:49	AEC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	381176	10/27/16 18:35	EAR	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	384742	11/07/16 19:57	MSJ	TAL NSH

Client Sample ID: W-41-MW11

Date Collected: 10/25/16 11:00
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 17:04	KS	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	382366	10/29/16 09:36	KB	TAL NSH
Total/NA	Analysis	8270C SIM		1			382423	10/30/16 00:20	RP	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			385299	11/09/16 12:20	TSC	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			386196	11/11/16 14:23	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	384091	11/04/16 09:45	LCS	TAL NSH
Total/NA	Analysis	7470A		1			384516	11/04/16 17:14	LCS	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	384992	11/08/16 14:58	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	382401	10/29/16 04:56	AEC	TAL NSH
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	381176	10/27/16 18:35	EAR	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		10	10 mL	10 mL	384742	11/07/16 19:57	MSJ	TAL NSH

Client Sample ID: W-41-MW19

Date Collected: 10/25/16 12:45
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 17:30	KS	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	382366	10/29/16 09:36	KB	TAL NSH
Total/NA	Analysis	8270C SIM		1			382672	10/31/16 16:13	WDS	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-41-MW19

Date Collected: 10/25/16 12:45
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1			385299	11/09/16 12:25	TSC	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			386196	11/11/16 14:28	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	384091	11/04/16 09:45	LCS	TAL NSH
Total/NA	Analysis	7470A		1			384516	11/04/16 17:17	LCS	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	384992	11/08/16 14:58	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	382401	10/29/16 05:02	AEC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	381176	10/27/16 18:35	EAR	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	384742	11/07/16 19:57	MSJ	TAL NSH

Client Sample ID: W-41-MW26

Date Collected: 10/25/16 14:05
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 17:56	KS	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	382366	10/29/16 09:36	KB	TAL NSH
Total/NA	Analysis	8270C SIM		1			382672	10/31/16 16:33	WDS	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			385299	11/09/16 12:52	TSC	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			386196	11/11/16 15:00	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	384091	11/04/16 09:45	LCS	TAL NSH
Total/NA	Analysis	7470A		1			384516	11/04/16 17:20	LCS	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	384992	11/08/16 14:58	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	382401	10/29/16 05:09	AEC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	381176	10/27/16 18:35	EAR	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	384743	11/07/16 20:08	MSJ	TAL NSH

Client Sample ID: W-40-MW21

Date Collected: 10/25/16 14:30
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 18:22	KS	TAL NSH
Total/NA	Prep	3510C			1070 mL	1 mL	382366	10/29/16 09:36	KB	TAL NSH
Total/NA	Analysis	8270C SIM		1			382672	10/31/16 16:52	WDS	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			385299	11/09/16 12:41	TSC	TAL NSH
Total/NA	Prep	3010A			50.0 mL	50.0 mL	384612	11/07/16 10:40	CAH	TAL NSH
Total/NA	Analysis	6010B		1			386196	11/11/16 14:50	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	384091	11/04/16 09:45	LCS	TAL NSH

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Client Sample ID: W-40-MW21

Date Collected: 10/25/16 14:30
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1			384516	11/04/16 17:24	LCS	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	384992	11/08/16 14:58	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	382401	10/29/16 05:16	AEC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	381176	10/27/16 18:35	EAR	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	384743	11/07/16 20:08	MSJ	TAL NSH

Client Sample ID: Trip Blank

Date Collected: 10/25/16 00:01
Date Received: 10/26/16 09:25

Lab Sample ID: 490-114836-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	384127	11/04/16 14:01	KS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL NSH
6010B	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
D516-90, 02	Sulfate	ASTM	TAL NSH
SM 2320B	Alkalinity	SM	TAL NSH
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL NSH
SM 4500 Cl- E	Chloride, Total	SM	TAL NSH

Protocol References:

ASTM = ASTM International

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-114836-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-17
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	07-24-17
Arizona	State Program	9	AZ0473	05-05-17
Arkansas DEQ	State Program	6	88-0737	04-25-17
California	State Program	9	2938	10-31-16 *
Connecticut	State Program	1	PH-0220	12-31-17
Florida	NELAP	4	E87358	06-30-17
Georgia	State Program	4	N/A	12-31-17
Illinois	NELAP	5	200010	12-09-16 *
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	11-30-16 *
Kentucky (UST)	State Program	4	19	06-30-17
Kentucky (WW)	State Program	4	90038	12-31-16 *
Louisiana	NELAP	6	30613	06-30-17
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-17
Massachusetts	State Program	1	M-TN032	06-30-17
Minnesota	NELAP	5	047-999-345	12-31-16 *
Mississippi	State Program	4	N/A	06-30-17
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-17
New Hampshire	NELAP	1	2963	10-09-17
New Jersey	NELAP	2	TN965	06-30-17
New York	NELAP	2	11342	03-31-17
North Carolina (WW/SW)	State Program	4	387	12-31-16 *
North Dakota	State Program	8	R-146	06-30-17
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-17
Oregon	NELAP	10	TN200001	04-27-17
Pennsylvania	NELAP	3	68-00585	06-30-17
Rhode Island	State Program	1	LAO00268	12-30-16 *
South Carolina	State Program	4	84009 (001)	02-18-17
South Carolina (Do Not Use - DW)	State Program	4	84009 (002)	12-16-17
Tennessee	State Program	4	2008	02-23-17
Texas	NELAP	6	T104704077	08-31-17
USDA	Federal		P330-13-00306	12-01-16 *
Utah	NELAP	8	TN00032	07-31-17
Virginia	NELAP	3	460152	06-14-17
Washington	State Program	10	C789	07-19-17
West Virginia DEP	State Program	3	219	02-28-17
Wisconsin	State Program	5	998020430	08-31-17
Wyoming (UST)	A2LA	8	453.07	12-31-17

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-114836 Chain of Custody

Cooler Received/Opened On 10/26/2016 @ 09:25

Time Samples Removed From Cooler 14:28 Time Samples Placed In Storage 1605 (2 Hour Window)

1. Tracking # 5420 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17960353 pH Strip Lot HC581117 Chlorine Strip Lot 061316

2. Temperature of rep. sample or temp blank when opened: 0.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front/s.d

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) AT

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) HG

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) HG

I certify that I attached a label with the unique LIMS number to each container (intial) HG

21. Were there Non-Conformance issues at login? YES..NO Was a NCM generated? YES..NO..#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 12/15/15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
114836

COOLER RECEIPT FORM

Cooler Received/Opened On 10/26/2016 @ 09:25

Time Samples Removed From Cooler 1428 Time Samples Placed In Storage 1605 (2 Hour Window)

1. Tracking # 9315 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 31470366 pH Strip Lot HC581117 Chlorine Strip Lot 061316W

2. Temperature of rep. sample or temp blank when opened: 2.8 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front 1-S.I.C

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TCN

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) AT

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? (YES)..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) HG

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) HG

I certify that I attached a label with the unique LIMS number to each container (intial) HG

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 12/15/15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
114836

COOLER RECEIPT FORM

Cooler Received/Opened On 10/26/2016 @ 09:25

Time Samples Removed From Cooler 1428 Time Samples Placed In Storage 1605 (2 Hour Window)

1. Tracking # 5486 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 97310166 pH Strip Lot HC581117 Chlorine Strip Lot 061316W

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 2 front/side

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? HG 10/26/16 (YES)...NO..NA

I certify that I opened the cooler and answered questions 1-6 (intial) HG

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? Bubblewrap (Plastic bag) Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) AJ

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? (YES)..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES..(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) HG

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) HG

I certify that I attached a label with the unique LIMS number to each container (intial) HG

21. Were there Non-Conformance issues at login? YES..(NO) Was a NCM generated? YES..(NO)...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 12/15/15

11/18/2016

Loc: 490
114836
#1
G

11/18/2016

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204

Phone: (615) 726-0177
Fax: (615) 726-0954

Page 1 of 1

Consultant Name: Cardno | Account #: NA | PO#:
Consultant Address: 25371 Commercentre Drive, Suite 250 | Invoice To: Cardno
Consultant City/State/Zip: Lake Forest, CA 92630 | Report To: David M. Purdy
Client Project Mgr: | Cardno Project #/Activity #: 0136122015
Consultant Project Mgr: David M. Purdy | Site #: Gladiola Station
Consultant Telephone Number: 949 457 8941 | Fax No.: 949 457 8956 | Site Address: Sec 5, T-12-S, R-38-E
Sampler Name (Print): Vincent Nguyen | Site City, State, Zip: Tatum, New Mexico 88267
Sampler Signature: Vincent Nguyen | Oversight Agency: NMED

	Sample ID	Field Point Name / Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: 6010B, 7470 - RCRA Metals	D516_Sulfate	8270C_SIM - 8270C SIM PAH	2320B_Alkalinity	2540C_Calcd_TDS	8260B - Standard 8260B List	SM4500_Cl_E_Chloride	RUSH TAT (Pre-Schedule)	7-day TAT	Standard 10-day TAT	Due Date of Report
1	MW-42-MW22	MW-22	10/25/16	1015	9	X					X				X	X		X	X							X	X	X	X	X	X	X		X	
2	MW-41-MW11	MW-11	↓	1100	↓	↓					↓				↓	↓		↓	↓							X	X	X	X	X	X	X		↓	
3	MW-41-MW19	MW-19		1245																						X	X	X	X	X	X	X			
4	MW-41-MW26	MW-26		1405																						X	X	X	X	X	X	X			
5	MW-40-MW21	MW-21	↓	1430	↓	↓					↓				↓	↓		↓	↓							X	X	X	X	X	X	X		↓	
6	Trip Blanks	OCTB	—	—	2	—					—				—	—		—	—							—	—	—	—	—	—	—		—	

Comments/Special Instructions:

PLEASE E-MAIL ALL PDF FILES TO
labs01@cardno.com

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOA Vials Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule
Project Manager or attach specific instructions

Relinquished by:		Date	Time	Received by:	Date	Time
Vincent Nguyen		10/25/16	1700	FedEx	10/25/16	1700
Relinquished by: FedEx		Date	Time	Received by (Lab personnel):	Date	Time
				0.5 -2 4.3	10/26/16	0915

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 490-114836-1

Login Number: 114836
List Number: 1
Creator: Gundi, Hozar K

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX C
WASTE DOCUMENTATION

ALAMO1

BILL OF LADING # AR16-01288

GENERATOR

GENERATOR NAME AND ADDRESS	GENERATOR SITE ADDRESS
ExxonMobil Oil Company *c/o Cardno* *25371 Commercentre Dr., Suite 250* *Lake Forest, CA 92630*	*Gladiola Station* *Copeland Road 3 Miles North of the Intersection* *of Copeland Road & Hwy 380* *Tatum, NM*

GENERATOR EPA ID NO:

GENERATOR STATE ID NO:

DESCRIPTION	CONTAINERS NUMBER	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL
Oily Water	1	*TP*	100	

GENERATOR AUTHORIZED AGENT NAME: x [signature]

SIGNATURE: x John G. Glover III

DATE: 10-27-16

TRANSPORTER

TRANSPORTER NAME	TRUCK NO.	PHONE NUMBER
Alamo1		*800-322-5085*

ADDRESS
12400 San Pedro Ave., Suite 200
San Antonio, TX 78216

DRIVER NAME: Yancey Isidro

VEHICLE LICENSE NO.: 1

VEHICLE CERTIFICATION:

US EPA ID NO: *TXR000060442*

STATE TRANSPORTER NO.:

I HERBY CERTIFY THAT THE ABOVE LISTED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

I HERBY CERTIFY THAT THE ABOVE LISTED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

DRIVER NAME - PRINT	DRIVERS SIGNATURE	DATE
Yancey Isidro	[signature]	10-27-16
DRIVER PRINT NAME	DRIVERS SIGNATURE	DATE

DESTINATION

SITE NAME	PHONE
Sundance Services, Imc.	*575-390-0942*
ADDRESS *5 Miles East of Eunice, NM on Sundance Road* *(off Wallah Rd near Intersection of Hwy 18 & Hwy 234)* *Eunice, NM*	US EPA ID NO STATE FACILITIES ID

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

DESTINATION AGENT - PRINT	SIGNATURE	DATE
Stephanie Baker	[signature]	10-27-16

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409540
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Third and Fourth Quarter Semi-Annual Groundwater Monitoring Report has been accepted for the record. App ID: 409540	12/16/2024