August 3, 2016
Cardno 01361204.Q162

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SUBJECT **First and Second 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 *First and Second 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

First and Second Quarter 2016 Semi-Annual Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

Cardno 01361204.Q162

Prepared for
ExxonMobil Environmental Services Company

August 3, 2016

Cardno
Shaping the Future

First and Second Quarter 2016 Semi-Annual Groundwater Monitoring Report

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David M. Purdy
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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). This report documents the results of the groundwater monitoring event conducted in April 2016. The purpose of the groundwater monitoring activities was to determine the current groundwater constituent concentrations as well as the groundwater potentiometric surface configuration and flow direction at the site. The event included conducting a NAPL bail down test, sampling the groundwater from monitoring wells with no NAPL and removing NAPL via hand bailing from wells containing NAPL.

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014). 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. Current depth to groundwater water ranges from approximately 36 to 41 feet bgs (Table 1). 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, 2014).

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 7.

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 (AECOM, 2014).

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, 2014)

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 (AECOM, 2014).

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, 2014).

April 2008. Kleinfelder oversaw the installation of monitoring wells MW-11 through MW-16 (AECOM, 2014).

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

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, 2014).

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

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, 2014)

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

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

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, 2014).

6 Field Activities

6.1 Monitoring Well Gauging

One groundwater monitoring event was conducted on April 26 and 27, 2016. 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.

On April 26 and 27, 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 was found damaged and could not be gauged or sampled. Measurable NAPL was encountered in monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-9, MW-12, MW-13, MW-14, MW-15, MW-16, MW-18, MW-20, MW-24 and MW-25. NAPL thickness in the wells ranged from a sheen observed in well MW-17 to 3.68 feet measured in well MW-24. Approximately 6 gallons of NAPL were hand-bailed from the wells.

Measured groundwater levels in the wells ranged from 35.69 feet below TOC in well MW-3 to 41.47 feet below TOC in well MW-10. The apparent groundwater flow direction was generally to the northeast at a hydraulic gradient of 0.004.

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.

6.2 Monitoring Well Sampling

Monitoring 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.

On April 26 and 27, 2016, groundwater samples were collected from monitoring wells MW-6, MW-11, MW-19, MW-21, MW-22, MW-23, and MW-26. Monitoring well MW-10 was not sampled due to insufficient water recharge for sampling. The remaining extant wells were not sampled due to the presence of NAPL in the wells.

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.

Field documentation for the groundwater monitoring activities is presented in Appendix A. The laboratory analytical report is included in Appendix B.

6.3 NAPL Baildown Test

On April 28 and 29, 2016, Cardno conducted a NAPL baildown test on wells MW-13, MW-14 and MW-24. Cardno also bailed NAPL from wells MW-4, MW-5, MW-12, MW-15, MW-16, MW-18, MW-20, and MW-25 using disposable Teflon® bailers. Approximately 6 gallons of NAPL were removed. NAPL thickness and individual removal volumes are presented in Table 7. Samples of the NAPL from wells MW-13, MW-14, and MW-24 were collected for laboratory analysis; results are included in Appendix B.

For the baildown test, Cardno bailed NAPL from each monitoring well until only a sheen remained, and then measured the recovery of the NAPL to the well. This allows a qualitative determination of whether the NAPL transmissivity is sufficient for sustained pumping, or the transmissivity is relatively less and periodic removal of NAPL by bailing is appropriate.

For well MW-24, 2.25 gallons of NAPL were removed by bailing in 50 minutes; the NAPL thickness in the well decreased from 1.45 feet to 0 and depth to groundwater decreased 2.25 feet. Over the course of the next hour and 55 minutes, the thickness of NAPL increased by 0.2 foot, and over the next 2 hours, NAPL thickness increased an additional 0.1 foot. This suggests that pumping NAPL at a very low flow rate might induce sustained flow into the well. Results for well MW-13 were similar.

To make a quantitative determination of whether sustained flow of NAPL into the wells is possible by pumping, Cardno recommends pumping NAPL at a very low rate over the course of 24 hours. If sustained

flow is demonstrated, then continuous pumping of NAPL from the wells may be cost effective. If sustained flow is not possible, then baildown of NAPL on a periodic interval is appropriate.

6.4 Waste Management Plan

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

Groundwater analytical results for the April 2016 groundwater sampling event were compared to NMWQCC regulatory limits as shown in Tables 1 through 3. A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene are presented on Plate 4.

The benzene concentrations in wells MW-21, MW-23, and MW-26, the chromium concentrations in wells MW-6 and MW-23, and the chloride and TDS concentrations in well MW-11 were in excess of the NMWQCC standards. No other constituent-of-concern concentrations were reported in excess of NMWQCC standards. Approximately 6 gallons of NAPL were recovered via hand bailing in April 2016.

8 Event Summary and Recommendations

Based on the results of the groundwater sampling events and product removal in April 2016, the following conclusions were made:

> Measured groundwater levels in the wells ranged from 35.69 feet below TOC in well MW-3 to 41.47 feet below TOC in well MW-24, measured on April 26 and 27, 2016.

> Monitoring well MW-8 was not located during this reporting period and is presumed to be destroyed. Well MW-2 was found damaged.

> Monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-9, MW-12 through MW-18, MW-20, MW-24, and MW-25 contained NAPL. NAPL thicknesses in the wells ranged from a sheen observed in well MW-17 to 3.68 feet measured in well MW-24.

> Approximately 6 gallons of NAPL were hand-bailed from the monitoring wells.

> The apparent groundwater flow direction was to the northeast at a hydraulic gradient of 0.004.

> In the sampled monitoring wells, the benzene concentrations in wells MW-21, MW-23, and MW-26, the chromium concentrations in wells MW-6 and MW-23, and the chloride and TDS concentrations in well MW-11 were in excess of the NMWQCC standards. No other constituent-of-concern concentrations were reported in excess of NMWQCC standards.

Cardno recommends conducting a semi-annual groundwater monitoring event in fourth quarter 2016 and a NAPL pumping 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

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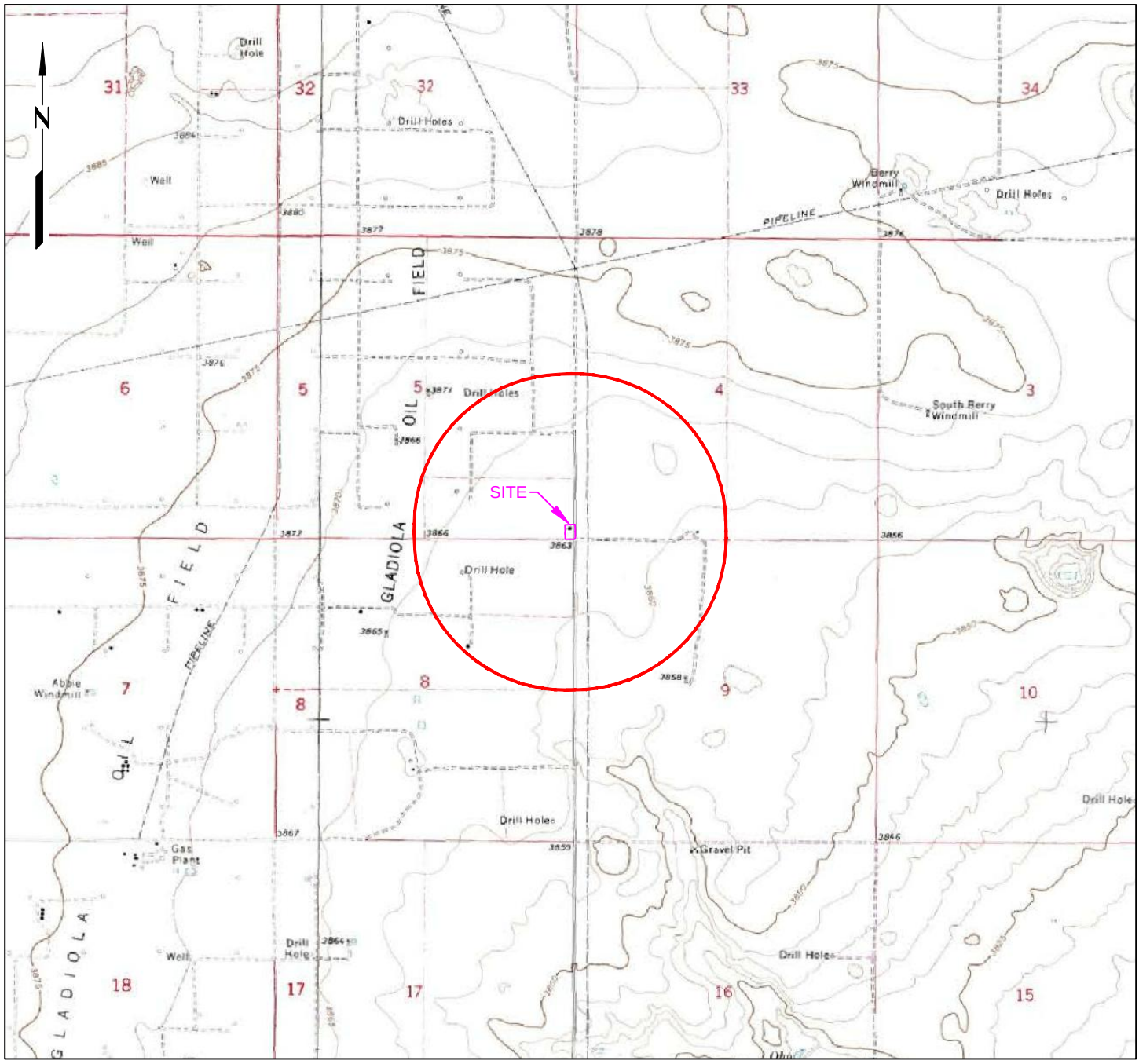
12 Acronym List

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

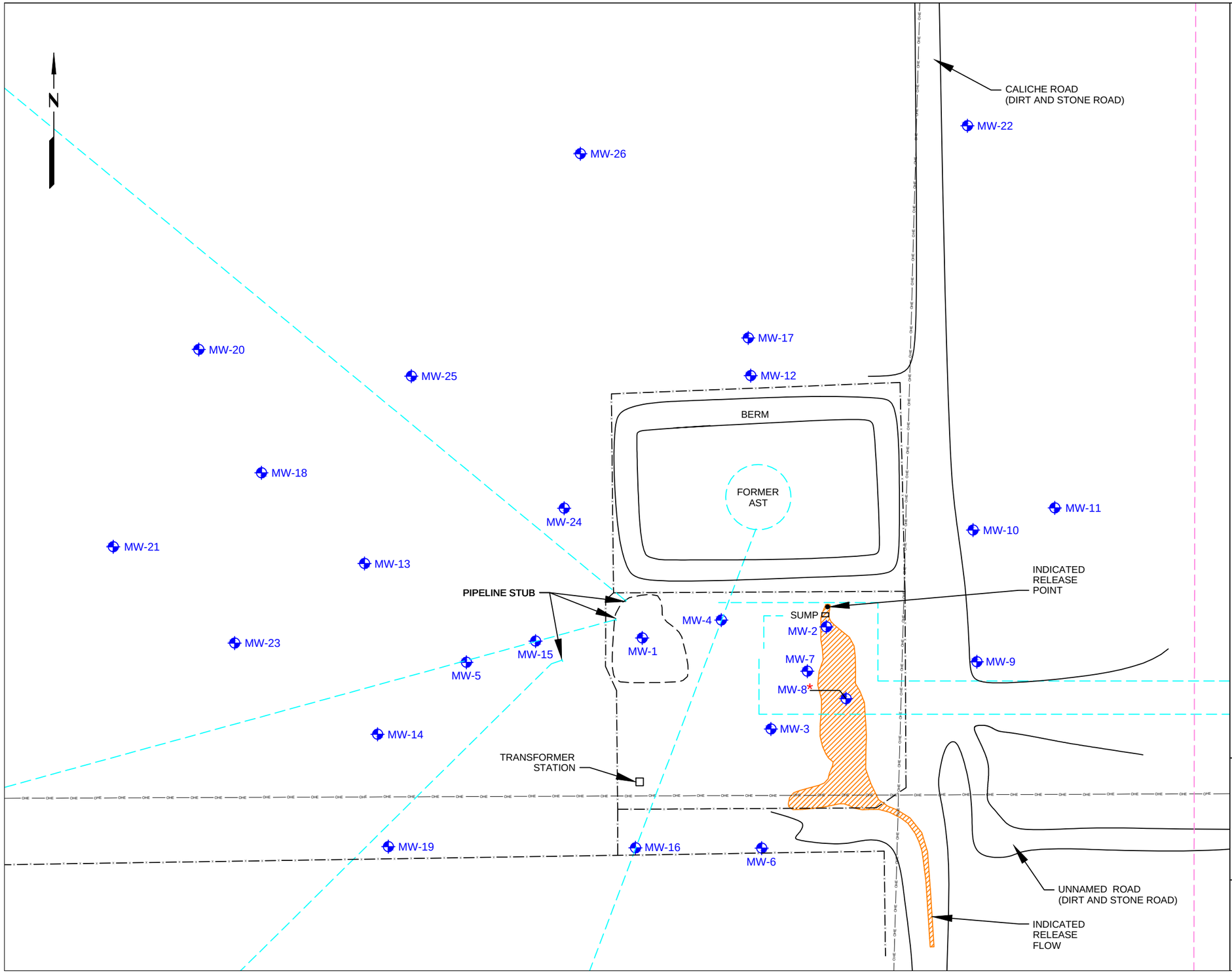
SOURCE: Modified from a map provided by MapPass

Cardno Shaping the Future

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

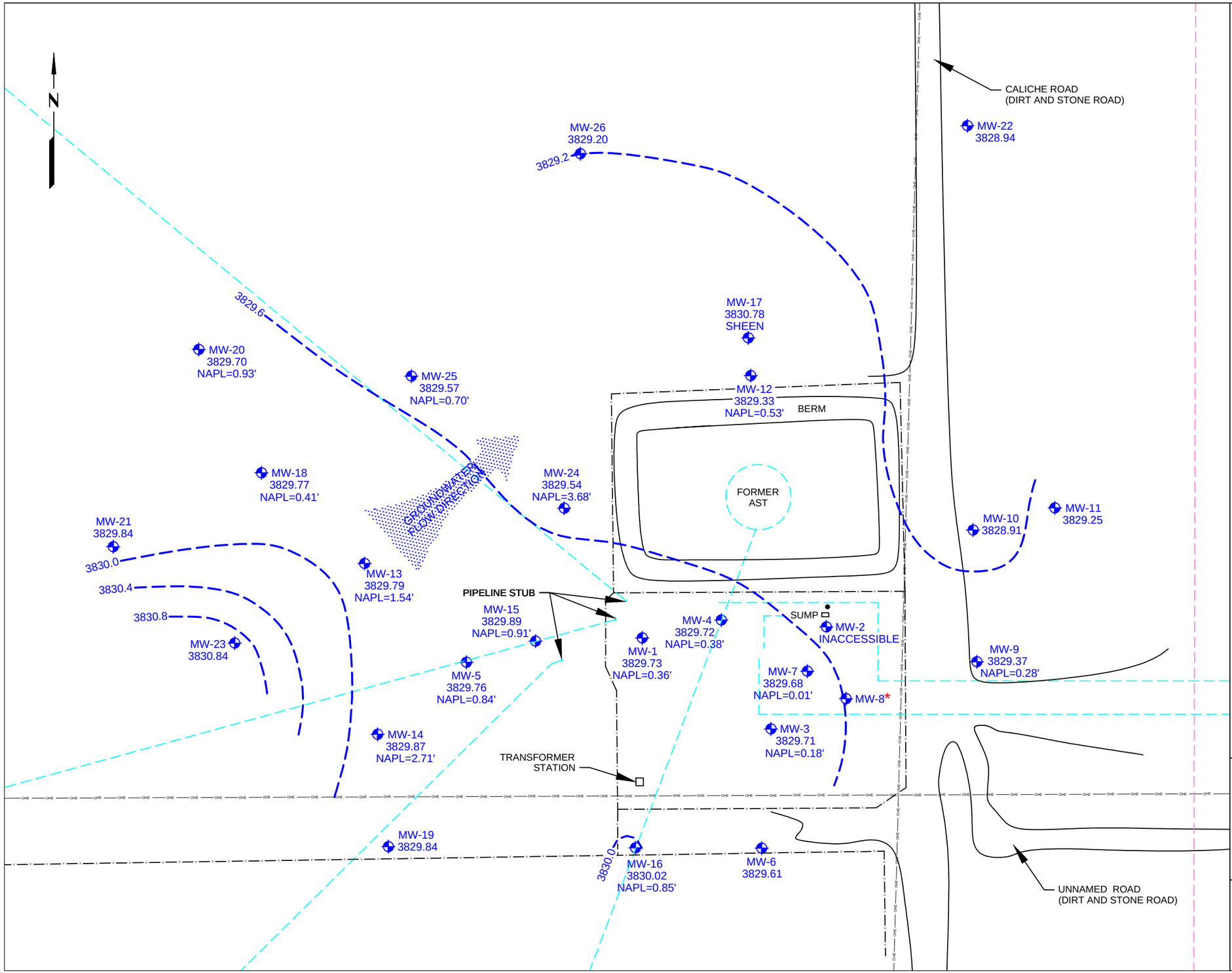
GLADIOLA STATION
Lea County, New Mexico

Cardno
Shaping the Future

PROJECT NO. 3612

PLATE 2

DATE: 07/03/16



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=3.68' — 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
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 04/26-27/16

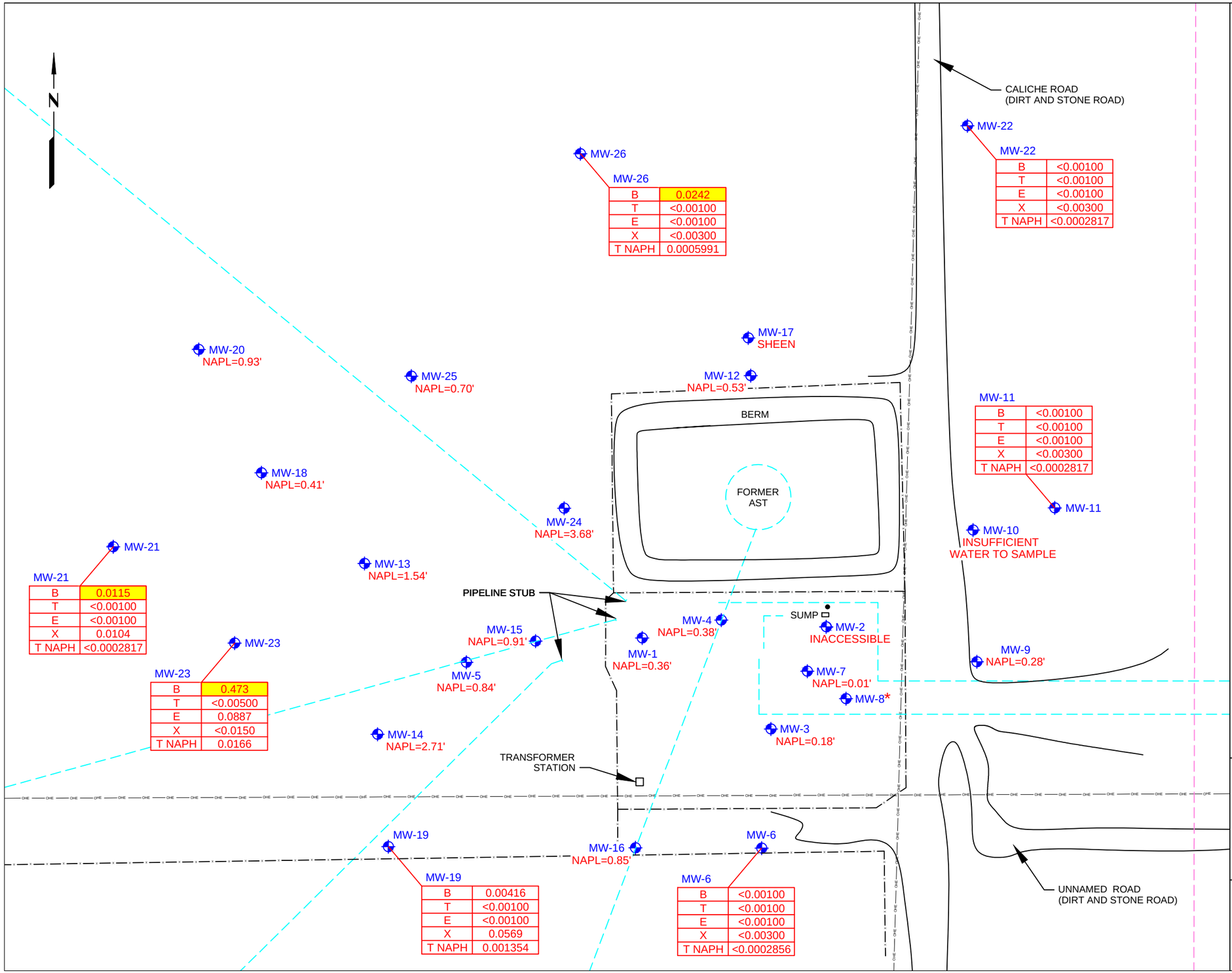
GLADIOLA STATION
Lea County, New Mexico

Cardno
Shaping the Future

PROJECT NO. 3612

PLATE 3

DATE: 07/03/16



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=3.68'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
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

OHE — Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 04/26-27/16

GLADIOLA STATION
Lea County, New Mexico

Cardno
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PROJECT NO. 3612

PLATE 4

DATE: 07/03/16

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL	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										
04/26/16	3866.63	37.20	3829.73	yes	0.36							
Field Point MW-2		**Well Screen Interval (feet):** 27.59-47.59										
04/26/16	3869.40			no	INACCESSIBLE - STICK-UP WELL CASING DAMAGED							
Field Point MW-3		**Well Screen Interval (feet):** 24.20-44.20										
04/26/16	3865.25	35.69	3829.71	yes	0.18							
Field Point MW-4		**Well Screen Interval (feet):** 23.97-38.97										
04/26/16	3866.18	36.78	3829.72	yes	0.38							
Field Point MW-5		**Well Screen Interval (feet):** 27.19-47.19										
04/26/16	3868.54	39.48	3829.76	yes	0.84							
Field Point MW-6		**Well Screen Interval (feet):** 27.05-42.05										
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
Field Point MW-7		**Well Screen Interval (feet):** 24.35-39.35										
04/26/16	3865.67	36.00	3829.68	yes	0.01							
Field Point MW-8		**Well Screen Interval (feet):** 23.05-38.05										
04/26/16	3865.32			no	UNABLE TO LOCATE - PRESUMED DESTROYED							
Field Point MW-9		**Well Screen Interval (feet):** 27.64-42.64										
04/26/16	3869.82	40.68	3829.37	yes	0.28							
Field Point MW-10		**Well Screen Interval (feet):** 28.08-43.08										
04/26/16	3870.38	41.47	3828.91	no	INSUFFICIENT WATER TO SAMPLE							
Field Point MW-11		**Well Screen Interval (feet):** 29.00-44.00										
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
Field Point MW-12		**Well Screen Interval (feet):** 30.00-45.00										
04/26/16	3869.27	40.38	3829.33	yes	0.53							

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL	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**											
04/26/16	3868.63	40.12	3829.79	yes	1.54							
Field Point **MW-14**	***Well Screen Interval (feet):*** **27.00-42.00**											
04/26/16	3868.47	40.85	3829.87	yes	2.71							
Field Point **MW-15**	***Well Screen Interval (feet):*** **29.00-44.00**											
04/26/16	3868.74	39.61	3829.89	yes	0.91							
Field Point **MW-16**	***Well Screen Interval (feet):*** **26.50-41.50**											
04/26/16	3868.54	39.23	3830.02	yes	0.85							
Field Point **MW-17**	***Well Screen Interval (feet):*** **29.50-44.50**											
04/26/16	3869.14	38.36	3830.78	no	SHEEN							
Field Point **MW-18**	***Well Screen Interval (feet):*** **27.00-42.00**											
04/26/16	3868.79	39.36	3829.77	yes	0.41							
Field Point **MW-19**	***Well Screen Interval (feet):*** **27.00-42.00**											
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
Field Point **MW-20**	***Well Screen Interval (feet):*** **29.50-44.50**											
04/26/16	3868.97	40.04	3829.70	yes	0.93							
Field Point **MW-21**	***Well Screen Interval (feet):*** **29.50-44.50**											
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
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
Field Point **MW-23**	***Well Screen Interval (feet):*** **31.00-46.00**											
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
Field Point **MW-24**	***Well Screen Interval (feet):*** **28.00-43.00**											
04/27/16	3867.88	41.39	3829.54	yes	3.68							

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

Date	Well Elev	GW Depth	GW Elev	NAPL	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**										
04/26/16	3868.99	40.00	3829.57	yes	0.70							
Field Point **MW-26**		***Well Screen Interval (feet):*** **30.00-45.00**										
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

Explanation:
ELEV = elevation
EPA = Environmental Protection Agency
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
Well elevation, groundwater depth and groundwater elevation reported in feet.
Data collected prior to December 7, 2015 provided by AECOM.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
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
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) = sheen observed
(e) = grab groundwater sample

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-6**													
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
Field Point **MW-11**													
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
Field Point **MW-19**													
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
Field Point **MW-21**													
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
Field Point **MW-22**													
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
Field Point **MW-23**													
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
Field Point **MW-26**													
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

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-6**					
4/26/2016	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
Field Point **MW-11**					
4/27/2016	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
Field Point **MW-19**					
4/27/2016	0.000772	<0.0000939	<0.0000939	0.000582	<0.0000939
Field Point **MW-21**					
4/27/2016	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
Field Point **MW-22**					
4/27/2016	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
Field Point **MW-23**					
4/27/2016	0.00754	0.000177 B	<0.0000939	0.00497	0.00409
Field Point **MW-26**					
4/27/2016	0.000370	<0.0000939	<0.0000939	0.000130	0.0000991

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR SVOCs

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

Explanation:
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard
mg/l = milligrams per liter
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
< = not detected at or above stated laboratory sample detection limit
NA = not applicable/not analyzed
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
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) = sheen observed
(e) = grab groundwater sample

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 (mg/l)	***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**												
4/26/2016	0.0309	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
Field Point **MW-11**												
4/27/2016	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
Field Point **MW-19**												
4/27/2016	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
Field Point **MW-21**												
4/27/2016	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
Field Point **MW-22**												
4/27/2016	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
Field Point **MW-23**												
4/27/2016	0.0577	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point **MW-26**												
4/27/2016	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

Explanation:
mg/l = milligrams per liter
NA = not applicable
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.
TDS = total dissolved solids
< = not detected at or above stated laboratory reporting limit
A-01 = could not obtain constant weight
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
(a) = sheen observed
(b) = grab groundwater sample

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								
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								

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**									
09/22/08	3867.89			no								
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							
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								

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**									
02/22/12	3863.72	33.30	3830.58	0.19								
07/17/12	3865.25	33.80	3831.71	0.31								
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								
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								

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								
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

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										
09/21/08	3867.00			no								
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
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

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**									
07/17/12	3865.67	33.96	3831.73	0.02								
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								
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							

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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										
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
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								
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				

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										
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
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							
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

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**									
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
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								
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**

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**									
10/13/11	3867.11	36.90	3831.00	0.95								
02/22/12	3867.11	37.78	3829.89	0.68								
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								
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								

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**									
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**
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								
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

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**									
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								
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								
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								
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								

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**									
01/28/14	3868.79	38.92	3830.53	0.80								
06/17/14	3868.79	38.99	3830.26	0.56								
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								
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
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

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										
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
12/07/15	3868.97	39.90	3829.83	0.92								
04/26/16	3868.97	40.04	3829.70	0.93								
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
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
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
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								
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								
05/14/13	3868.99	40.02	3830.99	2.43								
01/28/14	3868.99	41.72	3830.26	3.60								

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**									
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								
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
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**
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**

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-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

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													

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**													
04/26/16													
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													

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**												
12/07/15													
04/26/16													
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													

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**												
06/17/14													
11/18/14													
12/07/15													
04/26/16													
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													

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**												
11/18/14														
12/07/15														
04/26/16														
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

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		<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
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														
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														

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**												
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	0.0002	<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
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													
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													
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														
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														
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
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													
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-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													
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

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**												
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													
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
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

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**												
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													
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
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

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**												
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													
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													
06/17/14													
11/07/14													
12/09/15													

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-17** ***Well Screen Interval (feet):*** **29.50-44.50**													
04/26/16													
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													
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
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

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**												
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
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
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													
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

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-21**	***Well Screen Interval (feet):*** **29.50-44.50**												
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
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

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**												
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
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
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
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													

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-24**	***Well Screen Interval (feet):*** **28.00-43.00**												
12/07/15													
04/27/16													
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													
11/17/14													
12/07/15													
04/26/16													
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

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-26**	***Well Screen Interval (feet):*** **30.00-45.00**												
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
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
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					
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					
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					
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						
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						
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
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
02/05/09	0.00701 (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-7**	***Well Screen Interval (feet):*** **24.35-39.35**				
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					
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
02/05/09	0.00521 (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-8**	***Well Screen Interval (feet):*** **23.05-38.05**				
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					
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)				
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-9**	***Well Screen Interval (feet):*** **27.64-42.64**				
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					
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)				
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-10**		***Well Screen Interval (feet):*** **28.08-43.08**				
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						
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
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-11**	***Well Screen Interval (feet):*** **29.00-44.00**				
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
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)				
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

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**				
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					
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
10/30/09	0.0212 (c)	0.0238 R1	0.0369 R1	0.0325 R1	0.0743
10/13/11					

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**				
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					
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
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

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**				
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					
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					
10/03/12					
05/14/13					

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**			
01/28/14						
06/17/14						
11/18/14						
12/07/15						
04/26/16						
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
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-16**	***Well Screen Interval (feet):*** **26.50-41.50**				
06/17/14					
11/18/14					
12/07/15					
04/26/16					
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					
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

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**				
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					
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
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

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**				
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
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					
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

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**				
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
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
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

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**				
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
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
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					

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**				
12/07/15					
04/27/16					
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					
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

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**				
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
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
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

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												
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												
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												
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												
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
09/21/08	0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	

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**												
09/26/08													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													
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
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

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**										
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
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												
12/07/15												
04/26/16												

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-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												
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
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

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**												
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													
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													
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													

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-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**
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**
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												

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**										
06/17/14												
11/17/14												
12/07/15												
04/26/16												
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												
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

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**										
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												
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												
06/17/14												
11/18/14												
12/07/15												
04/26/16												
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

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-16** ***Well Screen Interval (feet):*** **26.50-41.50**												
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												
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
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												

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-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												
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
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
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								

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-20** ***Well Screen Interval (feet):*** **29.50-44.50**												
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												
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
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
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

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-22**	***Well Screen Interval (feet):*** **30.00-45.00**											
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
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
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												
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												

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-25** ***Well Screen Interval (feet):*** **28.00-43.00**												
01/28/14												
06/17/14												
11/17/14												
12/07/15												
04/26/16												
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
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		

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* 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		

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

TABLE 7
NAPL RECOVERY RESULTS
GLADIOLA STATION
LEA COUNTY, NEW MEXICO
Cardno 3612

Start Date for Cardno NAPL Recovery: December 7, 2015

Gallons of NAPL removed prior to December 2015 (GES, 2013; AECOM, 2014)			101
	MW-1		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.42	2.00	2.00
04/26/16	0.36	(a)	2.00
	MW-4		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.63	1.50	1.50
04/29/16	0.38	(b)	1.50
	MW-5		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	2.98	2.50	2.50
04/29/16	0.84	(b)	2.50
	MW-9		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.24	1.75	1.75
04/26/16	0.28	(a)	1.75
	MW-12		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	1.03	2.50	2.50
04/29/16	0.53	(b)	2.50
	MW-13		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	3.16	3.00	3.00
04/29/16	1.58	2.00	5.00
	MW-14		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	3.68	3.00	3.00
04/28/16	2.74	2.00	5.00
	MW-15		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	2.19	3.00	3.00
04/29/16	0.91	(b)	3.00
	MW-16		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.71	2.50	2.50
04/29/16	0.85	(b)	2.50
	MW-18		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.34	1.75	1.75
04/29/16	0.41	(b)	1.75
	MW-20		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.92	2.00	2.00
04/29/16	0.93	(b)	2.00
	MW-24		Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	5.50	2.50	2.50
04/28/16	3.70	2.25	4.75

TABLE 7
NAPL RECOVERY RESULTS
GLADIOLA STATION
LEA COUNTY, NEW MEXICO
Cardno 3612

Monitoring Date	MW-25		Cumulative NAPL Recovered (gallons)
	NAPL Thickness (feet)	NAPL Recovered (gallons)	
12/07/15	2.05	2.00	2.00
04/29/16	0.70	(b)	2.00
	NAPL Recovered this Reporting Period:		**6.25**
	TOTAL AMOUNT OF NAPL RECOVERED:		**137.25**

Explanation:
NAPL = non-aqueous phase liquid
(a) = NAPL not bailed from this well
(b) = NAPL recovery contained groundwater; exact NAPL quantity could not be calculated

References:
AECOM. December 2014. *2014 Annual Groundwater Monitoring Report*, Gladiola Station, Sec 5, T-12-S, R-38-E, Tatum, Lea County, New Mexico.
Groundwater & Environmental Services, Inc. (GES). February 28, 2013. *Annual Groundwater Monitoring Report*, Gladiola Station, Lea County, Tatum, New Mexico.

APPENDIX A
FIELD LOGS

Cardno

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: Ali Alibhai, ~~Travis McKee, Dave Purdy~~ Vincent Nguyen	Project Number: 013612
Gauging Instrument: Geotech 0.1' Water Probe	Date(s): 4/26/16

Well Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks		
MW-6	04/26/16	0900	41.51	38.91	—	—	2"		
MW-10		0910	42.78	41.42	—	—	not enough to sample		2"
MW-9		0915	~~40.68~~	40.68	40.40	.28	NAPL	2"	
MW-11		0920	48.01	40.33	—	—	4"		
MW-22		0925	47.71	40.75	—	—	4"		
MW-3		0935		35.69	35.51	0.18	NAPL	2"	
MW-4		0945		36.78	36.40	0.38	NAPL	2"	
MW-1		0955		37.20	36.84	0.36	NAPL	2"	
MW-16		1005		39.23	38.38	0.85	NAPL	4"	
MW-7		1015		36.00	35.99	0.01	NAPL	2"	
MW-17		1025		38.36			SHEEN	4", observed in bucket	
MW-12		1030		40.38	39.85	0.53	NAPL 4"		
MW-25		1035		40.00	39.30	0.70	NAPL 2"		
MW-26		1045	45.06	~~39.78~~ 44.08	~~[illegible]~~	—	no NAPL	2"	
MW-20		1055		40.04	39.11	0.43	NAPL 4"		
MW-21		1105	45.22	39.05	—	—	4"		
MW-23		1110	46.36	38.24			2"		
MW-19		1115	44.78	38.91	—	—	4"		
MW-14		1125	40.85	~~39.78~~ 40.85	38.14	2.71	NAPL	4"	
MW-5		1135		39.48	~~38.64~~	0.84		2"	
MW-15		1145		39.61	38.70	0.91		4"	
MW-24	4/27/16	0710		41.39	37.71	3.68	NAPL	2"	
MW-13	4/26/16	1155		40.12	38.58	1.54	NAPL	4"	
MW-18	4/26/16	1200		39.36	38.95	0.41	NAPL	4"	

Cardno Job #: 3612	Quarter: ~~4~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/26/16			
Weather: 85°, 35 mph winds			
WELL ID MW-6			

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		DO
1305	38.73	41.51	125	1 deg	3%	0.1	0.3	10% or 5	10% or 5	
~~1322~~				20.43	0.931	5.65	~~109.2~~	46	1000	9.15
1325				20.59	0.931	5.44	~~112.8~~	70	0.0	8.25
1328				22.30	0.922	5.65	~~7.84~~	44	0.0	7.84
1331				22.25	0.920	5.65	7.96	40	0.0	
1334				20.63	0.918	5.60	8.01	44	0.0	
1337	39.75			22.85	0.916	5.54	7.90	46	0.0	

Depth to Pump Intake	39.75	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2 gallons		Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	39.75	F	TD: 41.51	DTW $_{final}$: 39.01	
DTW initial	38.73	0.163	DTW$_i$: 38.73		
		0.652	h: 2.78	TIME: 1400	
Drawdown:	1.02	1.457	csg vol:		

COMMENTS

W-39-MW-6 @ 1400. Purged 2 gallons

Cardno Job #: 3612	Quarter: ~~1~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/27/16			
Weather: 53°, Wind 7mph, Clear, humidity 38%			
WELL ID MW-11			

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	
0730	40.41	48.01	225	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0755	40.41			17.71	2.10	5.52	8.05	99	8.9
0758	40.81			18.05	2.10	5.53	8.17	102	12.4
0801	40.41			18.17	2.10	5.53	8.16	103	13.1
0804	41.61			18.37	2.09	5.53	8.10	106	12.1
0807	41.71			18.47	2.09	5.49	8.09	109	10.0
0810	41.80			18.56	2.08	5.49	8.04	109	7.0

Depth to Pump Intake	41.41	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2 gal		Liters	GALLONS	
			WELL INFORMATION		**SAMPLE COLLECTION**
DTW final:	41.80	F	TD:	48.01	DTW final : 41.05
DTW initial	40.41	0.163	DTW$_i$:	40.41	
		0.652	h:	7.60	TIME: 0825
Drawdown:	1.39	1.457	csg vol:		

COMMENTS

W-41-MW-11 @ 0825, Recharged 41.05

Purged 2 gallons

Cardno Job #: 3612	Quarter: ~~1~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/27/16			
Weather: 71°, wind 19mph, clear, humidity 19%			
WELL ID MW-22			

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	
0915	40.76	47.71	225	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0925	40.80			20.13	1.00	5.54	8.55	109	0.0
0928	41.30			19.91	1.01	5.54	7.56	107	0.0
0931	41.47			19.94	1.02	5.54	6.23	104	0.0
0934	41.55			19.98	1.02	5.54	5.87	105	0.0
0937	41.61			19.98	1.02	5.53	5.69	104	0.0
0940	41.65			19.99	1.02	5.55	5.55	103	0.0
0943	41.70			19.99	1.02	5.54	5.55	104	0.0

Depth to Pump Intake	42'	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2 gal		Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	41.70	F	TD: 47.71	DTW final : 40.92	
DTW initial	40.76	0.163	DTW$_i$: 40.76		
		0.652	h: 6.95	TIME: 1000	
Drawdown:	0.94	1.457	csg vol:		

COMMENTS

W-40-MW-22 @ 1000

Purged 2 gallons

Cardno Job #: 3612	Quarter: ~~4~~ 2		Year: 2015~~6~~	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen				
DATE: 04/27/16				
Weather: 70°, 19mph wind, clear, 19% humidity				
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	
1100	39.78	45.06	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1110	39.82			20.84	1.20	~~7.01~~	4.19	140	0.0
1113	39.86			20.05	1.21	7.32	2.11	120	727
1116	39.89			20.09	1.20	7.32	1.89	118	683
1119	39.91			20.12	1.20	7.35	1.68	113	444
1122	93.96			20.20	1.20	7.31	1.38	112	267
1125	39.99			20.26	1.19	7.33	1.10	109	147
1128	40.05			20.28	1.19	7.33	1.09	108	105
1131	40.09			20.26	1.19	7.33	1.09	107	73.6
1134	40.12			20.22	1.19	7.33	1.12	105	48.7
1137	40.14			20.22	1.19	7.33	1.09	103	27.7

Depth to Pump Intake	49.78	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters
Total Purge Volume	~~4~~ gal		Liters	GALLONS

			WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.14	F	TD:	45.06	DTW final :
DTW initial	39.78	0.163	DTW$_i$:	39.78	~~40.05~~ 39.85
		0.652	h:	5.28	TIME:
Drawdown:	0.36	1.457	csg vol:		

COMMENTS

W-39- MW-26 @ 1150. Purged 4 gallons

Cardno Job #: 3612	Quarter: ~~4~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/27/16			
Weather: 74°, 17 mph wind, clear, 15% Humidity			
WELL ID MW-21			

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	
1300	39.02	48.22	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1310	39.05			21.95	1.26	7.51	9.41	94	0.0
1313	39.51			21.19	1.27	7.48	8.41	96	0.0
1316	39.67			20.78	1.27	7.46	7.25	109	0.0
1319	39.74			20.75	1.27	7.44	6.75	129	0.0
1322	39.81			20.77	1.27	7.45	6.14	182	0.0
1325	39.84			20.70	1.28	7.40	5.94	198	0.0
1328	39.88			20.73	1.28	7.39	5.81	207	0.0

Depth to Pump Intake	40	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume	2 gal		Liters	GALLONS	
			WELL INFORMATION		**SAMPLE COLLECTION**
DTW final:	39.88	F	TD:	48.22	DTW final : 39.22
DTW initial	39.02	0.163	DTW$_i$:	39.02	
		0.652	h:	9.20	TIME: 1345
Drawdown:	.86	1.457	csg vol:		

COMMENTS

W-39-MW-21 @ 1335

Cardno Job #: 3612	Quarter: ~~4~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/27/16			
Weather: 76°, 16mph wind, clear, 14% humidity			
WELL ID MW-23			

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	
1420	39.21	46.36	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1427	39.89		~~200~~	21.60	0.973	7.42	2.38	-146	977
1430	40.31			21.11	0.974	7.40	1.75	-151	753
1433	40.70			21.21	0.972	7.56	1.09	-166	469
1436	40.89			21.22	0.968	7.50	0.92	-165	324
1439	41.01			21.22	0.963	7.50	0.89	-165	216
1442	41.09			21.16	0.957	7.51	0.73	-164	93.9
1445	41.15			21.12	0.955	7.51	0.63	-162	65.9
1448	41.18			21.09	0.954	7.52	0.57	-161	45.5
1451	41.22			21.07	0.953	7.52	0.54	-161	35.5
1454	41.24			21.08	0.954	7.52	0.51	-160	33.4

Depth to Pump Intake	40.25	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume			Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	41.24	F	TD: 46.36	DTW final :	
DTW initial	39.21	0.163	DTW$_i$: 39.21	39.59 ~~41.24~~	
		0.652	h: 7.15	TIME:	
Drawdown:	2.03	1.457	csg vol:	1510	

COMMENTS

W-39-MW-23 @ 1510

Cardno Job #: 3612	Quarter: ~~4~~ 2	Year: ~~2015~~ 2016	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Tech.: Ali Alibhai / ~~Travis McKee~~ Vincent Nguyen			
DATE: 4/27/16			
Weather: 76°, 13 mph wind, clear, 13% humidity			
WELL ID MW-19			

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	
1535	38.82	44.78	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1542	38.90			23.65	0.934	7.91	8.87	24	87.9
1545	39.28			22.64	0.942	7.78	7.89	26	69.0
1548	39.47			22.35	0.937	7.78	6.41	26	54.8
1551	39.59			21.86	0.949	7.60	5.82	25	56.3
1554	39.62			21.81	0.944	7.57	5.59	24	69.1
1557	39.70			21.71	0.946	7.55	5.39	23	67.3
1600	39.74			21.68	0.947	7.53	5.19	24	66.2

Depth to Pump Intake	40'	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters
Total Purge Volume			Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	39.74		F	TD:	44.78	DTW final :
DTW initial	38.82		0.163	DTW$_i$:	38.82	39.02
			0.652	h:	5.96	TIME:
Drawdown:	0.90		1.457	csg vol:		1615

COMMENTS

W-39-MW-19 @ 1615

Cardno
Shaping the Future

Daily Field Report

Project ID #: Gladiola Station Cardno Job # 3612
Subject: Quarterly GW M&S/NAPL Baildown Date: 4/25/16
Equipment Used: Rental Vehicles Sheet: 1 of 1
Name(s): Ali Alibhai / Vincent Nguyen
Time Arrived On Site: 0930 CDT Time Departed Site: 1615 MDT Total Travel: 2.25

Heat Stress Management and Fluid Replacement Chart

Name	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6		Hour 7		Hour 8	
	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm

Water = access to 32 oz (1 qt) per hour is required, staff should hydrate hourly with at least 8 oz (1 c)
Heat Stress Monitoring
- If heart rate is <110 beats per minute (bpm) at break = ok to continue work
- If heart rate >110 bpm = stop work for individual and review Appendix G of the HASP "Heart Rate Monitoring – What to do:"

0400 CDT - VN travel from Houston
0900 CDT - VN left Midland Airport
0915 CDT - AA departed hotel
0930 CDT - AA/VN at Centurion Pipeline for safety training
1100 CDT - AA/VN left Centurion, picked up tie-down straps from Home Depot, picked up snake chaps and first aid from Academy Outdoors, picked up drums from West Texas Drum Company
1215 CTD - Departed Midland for Hobbs, ~~NM~~ NM
1315 MTD - Arrived at hotel in Hobbs, NM. Checked into hotel and transferred equipment from hotel storage to AA room. Verified that all equipment was received.
1415 - Departed hotel to procure supplies and materials from Walmart, Home Depot and Albertsons
1615 - Stopped work for the day

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Daily Field Report

Project ID #: Gladiola Station — Cardno Job # 3612
Subject: Quarterly GW M&S — Date: 4/26/16
Equipment Used: Truck, M&S Equipment — Sheet: of
Name(s): Ali Alibhai, Vincent Nguyen
Time Arrived On Site: ~~0630~~ 0800 — Time Departed Site: 1515 — Total Travel: 2.0

Heat Stress Management and Fluid Replacement Chart

Name	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6		Hour 7		Hour 8	
	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm

Water = access to 32 oz (1 qt) per hour is required, staff should hydrate hourly with at least 8 oz (1 c)

Heat Stress Monitoring

- If heart rate is <110 beats per minute (bpm) at break = ok to continue work
- If heart rate >110 bpm = stop work for individual and review Appendix G of the HASP "Heart Rate Monitoring – What to do:"

0630 - Met in lobby, loaded up equipment and coolers into trucks
0650 - Departed hotel, stopped at gas station to pick up ice and refuel
0700 - Departed gas station
0800 - Onsite, conducted tailgate safety meeting, reviewed job scope, issued EMES work permit, began paperwork
0840 - Began setting up
0900 - Began gauging. Removed previous tubing from wells. Unable to locate MW-8
1200 - Completed gauging, lunch break. MW-8 buried.
1230 - Began setting up to purge
1400 - Collected JW-39-MW-6. Stop Work Authority: Received "Red Flag Warning" notification on phone. Winds blowing at a sustained speed of 35mph with gusts at 50-60 mph. We got in the truck to discuss the safety concerns, such as hardhats flying away and equipment falling over and decided to stop work and resume at an earlier start time the following day. Spoke to PM Dave Purdy about the conditions and he agreed with the call.
1430 - Broke down and secured equipment, disposed of purge and groundwater in drum, placed trash and other materials in second drum. Secured and labeled drums. Closed open wells, secured gate to the site
1515 - AM/UM offsite

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Daily Field Report

Project ID #: Gladiola — Cardno Job # 3612
Subject: ~~LNAPL~~ Quarterly GW M&S — Date: 4/27/16
Equipment Used: Rental Truck, Sampling Equipment — Sheet: 1 of 1
Name(s): Ali Alibhai, Vincent Nguyen
Time Arrived On Site: 0615 — Time Departed Site: 1745 — Total Travel: 2.0

Heat Stress Management and Fluid Replacement Chart

Name	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6		Hour 7		Hour 8	
	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm

Water = access to 32 oz (1 qt) per hour is required. staff should hydrate hourly with at least 8 oz (1 c)
Heat Stress Monitoring
- If heart rate is <110 beats per minute (bpm) at break = ok to continue work
- If heart rate >110 bpm = stop work for individual and review Appendix G of the HASP "Heart Rate Monitoring – What to do:"

0615 - AA/VN onsite, conducted tailgate safety meeting, reviewed job scope, began paperwork, prepared labels
0710 - Gauged well MW-24 - unable to gauge on 4/26/16 due to presence of bees and wasps in flowers around well
0730 - Began setting up to purge MW-11. See log for details
0825 - Collected W-41-MW-11, broke down equipment, disposed of water in drums, decoded equipment, prepared samples for shipping. Same process between all wells.
0900 - Began setting up on MW-22
1000 - Collected sample W-40-MW-22
1030 - Back onsite to call TestAmerica regarding LNAPL sample bottles
1055 - Began setting up on MW-26
1150 - Collected sample MW-39-MW-26.
1215 - Lunch break
1250 - Began setting up on MW-21
1345 - Collected sample ~~S~~ W-39-MW-21
1405 - Dropped off purge water onsite and picked up additional bottlewere
- Began setting up on MW-23
1510 - Collected sample W-39-MW-23
1530 - Began setting up on MW-19
1615 - Collected sample W-39-MW-19. Loaded truck and went onsite.
1635 - Back onsite. Disposed of purge and decon water, secured drums, disposed of tubing and waste materials, prepared samples W-EB and W-FB, loaded truck and secured equipment
1745 - AA/VN offsite

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Daily Field Report

Project ID #: Gladiola — Cardno Job #

Subject: LNAPL Baildown Test — Date: 4/28/16

Equipment Used: Oil-Water Probe, Bailers, Truck — Sheet: 1 of 1

Name(s): Ali Alibhai, Vincent Nguyen

Time Arrived On Site: 1000 — Time Departed Site: 1630 — Total Travel: 2.0

Heat Stress Management and Fluid Replacement Chart

Name	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6		Hour 7		Hour 8	
	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm

Water = access to 32 oz (1 qt) per hour is required. staff should hydrate hourly with at least 8 oz (1 c)

Heat Stress Monitoring

- If heart rate is <110 beats per minute (bpm) at break = ok to continue work
- If heart rate >110 bpm = stop work for individual and review Appendix G of the HASP "Heart Rate Monitoring – What to do:"

0830 - Dropped off samples at Fedex

0900 - VN conducted driving LPO

1000 - AA/VN onsite, tailgate safety meeting, reviewed job scope, issued permit, began paperwork

1015 - Began setting up

1045 - MOB to MW14

1105 - Collected LNAPL sample from MW14 N-38-MW-14

1120 - Collected LNAPL sample from MW24 N-37-MW-24

1135 - Collected LNAPL sample from MW13 N-38-MW-13

1150 - Began baildown on MW-24

1240 - Completed baildown on MW-24. Moving on to MW-13 to allow MW-24 to recharge

1250 - Lunch break

1310 - Resumed work, began setting up at MW-13

1315 - Began baildown

1440 - Completed baildown. Cleaned up and moved to MW-14

1430 - Began setting up on MW-14

1445 - Began baildown of MW14

1540 - Completed LNAPL baildown. AA ~~Gauged wells~~ Decon equipment.

1550 - Gauged wells to check recharge rate

1600 - Completed gauging wells. Decon'ed equipment, disposed of waste in drums onsite, secured supplies and equipment on truck

1630 - AA/VN offsite

Note - Prior to departing hotel, AA/VN prepared samples and coolers for shipping to TestAmerica as well as prepared equipment for return shipment to Geotech Colorado.

Cardno® Shaping the Future

Daily Field Report

Project ID #: Gladiola Station — Cardno Job # 3612

Subject: Quarterly GW mtgs, — Date: 4/29/16

Equipment Used: Rental Trucks, Sampling Equipment — Sheet: 1 of 1

Name(s): Ali Alibhai, Vincent ~~Adam~~ Nguyen, Logan Nunez of Alamo 1

Time Arrived On Site: 0645 — Time Departed Site: 1030 — Total Travel:

Heat Stress Management and Fluid Replacement Chart

Name	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6		Hour 7		Hour 8	
	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm	qty	bpm

Water = access to 32 oz (1 qt) per hour is required. staff should hydrate hourly with at least 8 oz (1 c)

Heat Stress Monitoring

- If heart rate is <110 beats per minute (bpm) at break = ok to continue work
- If heart rate >110 bpm = stop work for individual and review Appendix G of the HASP "Heart Rate Monitoring – What to do:"

0645 - AM/VN offsite, tailgate safety meeting, reviewed job scope, issued permit
0700 - Began setting up
0715 - Began NAPL Bailing
0900 - Completed NAPL Bailing. See log for details
0845 - Alamo 1 onsite, AA conducted tailgate safety meeting.
0900 - Disposed of all waste in drums, secured drums, loaded drums into Alamo 1 trailer
0930 - Alamo 1 offsite. Cleaned up site, secured equipment in truck, collected site photos, status call with DP
1030 - AM/VN offsite
1130 - Arrived at hotel, prepared LNAPL samples and cooler for shipping.
1230 - Left hotel for fedex
1240 - Dropped off samples at fedex

Well MW-24

Cardno
HYDROCARBON BAILDOWN TEST FORM

SITE: Gladiola Station		PROJ. NO. 013612	
WELL: MW-24		SAMPLER(S) Ali Alibhai, Vincent Nguyen	
METHOD: Hand Bail	BAILER (type) 1.5"x36" Poly	PUMP (type) N/A	

WELL INFORMATION

CASING DIAMETER 2"	
TOTAL DEPTH 43'	
DEPTH TO TOP OF SCREEN 28'	
SCREEN LENGTH 15'	

HYDROCARBON INFORMATION

FLUID TYPE LNAPL	
VISCOSITY	
DENSITY	
COLOR Black	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
	1150	—	37.70	41.40			
	1200	10	38.50	40.02			
	1205	15	38.88	39.52			
	1210	20	38.75	39.01			
	1215	25	38.75	38.95			
	1220	30	39.02	39.12			
	1225	35	39.02	39.05			
	1230	40	39.06	39.12			
	1235	45	39.12	39.13			
	1240	50	39.15	39.15	2.25 gal	1.25 gal	Bailed down to sheen
	1350	1hr 55	38.81	39.01			
	1450	2hr 55	38.53	38.79			
	1550	3 hr 55	38.21	38.52			

Figure 1

Cardno
HYDROCARBON BAILDOWN TEST FORM

SITE: Gladiola Station		PROJ. NO. 013612	
WELL: MW-13		SAMPLER(S) Ali Alibhai, Vincent Nguyen	
METHOD: Hand Bailing	BAILER (type) 1.5" x 3" Poly	PUMP (type)	

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	4"	FLUID TYPE	LNAPL
TOTAL DEPTH	45'	VISCOSITY	
DEPTH TO TOP OF SCREEN	30'	DENSITY	
SCREEN LENGTH	15'	COLOR	Black

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
4.28.16	1315		38.60	40.18			
	1320		39.15	40.40			
	1325		39.51	40.50			
	1330		39.93	40.70			
	1335		40.50	40.89			
	1340		40.51	40.76			
	1345		39.90	40.14			
	1350		39.83	40.01			
	1400		40.01	40.06			
	1405		40.03	40.05			
	1410		~~40~~.03	40.03	2 gal	3gal	
	1510		39.41	39.87			
	1555		39.82 ~~39.01~~	39.01			

Figure 1

Well MW-14

Cardno

HYDROCARBON BAILDOWN TEST FORM

SITE: Gladiola Station		PROJ. NO. 013612	
WELL: MW-14		SAMPLER(S) Ali Alibhai, Vincent Nguyen	
METHOD: Hand Bail	BAILER (type) 1.5" x 36" Poly	PUMP (type) N/A	

WELL INFORMATION

CASING DIAMETER 4"	
TOTAL DEPTH 42'	
DEPTH TO TOP OF SCREEN 27'	
SCREEN LENGTH 15'	

HYDROCARBON INFORMATION

FLUID TYPE LNAPL	
VISCOSITY	
DENSITY	
COLOR Black	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
	1445		38.18	40.92			
	1450		40.18	40.99			
	1455		40.09	40.69			
	1500		40.02	40.54			
	1505		39.90	40.41			
	1510		39.77	40.11			
	1515		39.96	40.11			
	1520		39.90	39.97			
	1525		39.91	39.96			
	1530		39.88	39.93			
	1535		39.90	39.92			
	1540		39.90	39.90	2gal	3gal	
	1600		38.95	39.09			

Figure 1

NAPL BAILING RECORD - FIELD LOG						
CLIENT NAME: EXXONMOBIL - GLADIOLA STATION						
SITE LOCATION:		Tatum, NM				
FIELD CREW: AA/VN		DATE: 04/29/16				
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW4	7:15 AM	36.40	36.78	-0.38	5.25	0
	7:18 AM				2.50	0.25
	7:21 AM				0.75	0.25
	7:25 AM				0.25	0.25
						0.25
SW					TOTAL	1.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW12	7:30 AM	39.85	40.38	-0.53	8.00	0.5
	7:33 AM				4.00	0.5
	7:36 AM				1.50	0.25
	7:40 AM				0.25	0.25
SW					TOTAL	1.50
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW25	7:45 AM	39.30	40.00	-0.70	20.00	0.5
	7:50 AM				8.00	0.5
	7:55 AM				3.00	0.5
	8:00 AM				0.50	0.5
SW					TOTAL	2.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW20	8:05 AM	39.11	40.04	-0.93	9.00	0.5
	8:10 AM				6.00	0.75
	8:15 AM				2.00	0.75
	8:20 AM				0.75	0.5
SW					TOTAL	2.50
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY					

NAPL BAILING RECORD - FIELD LOG						
CLIENT NAME: EXXONMOBIL - GLADIOLA STATION						
SITE LOCATION:		Tatum, NM				
FIELD CREW: AA/VN		DATE: 04/29/16				
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW14	2:45 PM	38.18	40.92	-2.74		0
4/28/2016	2:50 PM	40.18	40.99	-0.81		0.5
	2:55 PM	40.09	40.69	-0.60		0.5
	3:00 PM	40.02	40.54	-0.52		0.5
	3:05 PM	39.90	40.41	-0.51		0.5
	3:10 PM	39.77	40.11	-0.34		0.5
	3:15 PM	39.96	40.11	-0.15		0.5
	3:20 PM	39.90	39.97	-0.07		0.5
	3:25 PM	39.91	39.96	-0.05		0.5
	3:30 PM	39.88	39.93	-0.05		0.5
	3:35 PM	39.90	39.92	-0.02		0.25
	3:40 PM	39.90	39.90	0.00		0.25
	4:00 PM	38.95	39.09	-0.14		
SW					TOTAL	5.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW5	8:25 AM	38.64	39.48	-0.84	24.00	0.5
	8:30 AM				10.00	0.5
	8:35 AM				3.00	0.75
	8:40 AM				0.50	0.75
SW					TOTAL	2.50
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW24	11:50 AM	37.70	41.40	-3.70		0
4/28/2016	12:00 PM	38.50	40.02	-1.52		0.5
	12:05 PM	38.88	39.52	-0.64		0.5
	12:10 PM	38.75	39.01	-0.26		0.5
	12:15 PM	38.75	38.95	-0.20		0.25
	12:20 PM	39.02	39.12	-0.10		0.25
	12:25 PM	39.02	39.05	-0.03		0.5
	12:30 PM	39.06	39.12	-0.06		0.5
	12:35 PM	39.12	39.13	-0.01		0.25
	12:40 PM	39.15	39.15	0.00		0.25
	1:50 PM	38.81	39.01	-0.20		
	2:50 PM	38.53	38.79	-0.26		
	3:50 PM	38.21	38.52	-0.31		
SW					TOTAL	3.50
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					

NAPL BAILING RECORD - FIELD LOG						
CLIENT NAME: EXXONMOBIL - GLADIOLA STATION						
SITE LOCATION:		Tatum, NM				
FIELD CREW: AA/VN		DATE: 04/29/16				
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW15	8:45 AM	38.70	39.61	-0.91	20.00	0
	8:50 AM				10.00	0.75
	8:55 AM				3.00	0.75
	9:00 AM				1.00	0.5
SW					TOTAL	2.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY. BAILING DID NO					
	REDUCE NAPL THICKNESS IN THIS WELL. NAPL KEPT RECHARGING. ONLY SAW A SLIGHT					
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW13	1:15 PM	38.60	40.18	-1.58		0
4/28/2016	1:20 PM	39.15	40.40	-1.25		0.5
	1:25 PM	39.51	40.50	-0.99		0.5
	1:30 PM	39.93	40.70	-0.77		0.5
	1:35 PM	40.50	40.89	-0.39		0.5
	1:40 PM	40.51	40.76	-0.25		0.5
	1:45 PM	39.90	40.14	-0.24		0.5
	1:50 PM	39.83	40.01	-0.18		0.5
	2:00 PM	40.01	40.06	-0.05		0.5
	2:05 PM	40.03	40.05	-0.02		0.5
	2:10 PM	40.03	40.03	0.00		0.5
	3:10 PM	39.41	39.87	-0.46		
	3:55 PM	38.82	39.01	-0.19		
SW					TOTAL	5.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW16	7:15 AM	38.38	39.23	-0.85	6.00	0
	7:18 AM				4.00	0.25
	7:21 AM				2.00	0.25
	7:25 AM				0.50	0.25
SW					TOTAL	0.75
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW18	8:25 AM	38.95	39.36	-0.41	3.00	0
	8:30 AM				1.00	0.5
	8:35 AM				0.25	0.5
SW					TOTAL	1.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					

APPENDIX B
LABORATORY ANALYTICAL REPORTS

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: 490-102566-1
Client Project/Site: Gladiola Station

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

Attn: Dave Purdy

Authorized for release by:
5/17/2016 11:35:38 AM

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

Table of Contents

Sample Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-102566-1	W-39-MW-6	Ground Water	04/26/16 14:00	04/29/16 10:00
490-102566-2	W-41-MW-11	Ground Water	04/27/16 08:25	04/29/16 10:00
490-102566-3	W-40-MW-22	Ground Water	04/27/16 10:00	04/29/16 10:00
490-102566-4	W-39-MW-26	Ground Water	04/27/16 14:50	04/29/16 10:00
490-102566-5	W-39-MW-21	Ground Water	04/27/16 13:45	04/29/16 10:00
490-102566-6	W-39-MW-23	Ground Water	04/27/16 15:10	04/29/16 10:00
490-102566-7	W-39-MW-19	Ground Water	04/27/16 16:15	04/29/16 10:00
490-102566-8	W-EB	Ground Water	04/27/16 16:50	04/29/16 10:00
490-102566-9	W-FB	Ground Water	04/27/16 17:00	04/29/16 10:00
490-102566-10	Trip Blanks	Ground Water	04/27/16 01:01	04/29/16 10:00

Case Narrative

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Job ID: 490-102566-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-102566-1

Comments
No additional comments.

Receipt
The samples were received on 4/29/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3º C, 1.3º C, 3.1º C and 3.7º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: W-39-MW-23 (490-102566-6). Elevated reporting limits (RLs) are provided.

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: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-336594 and 490-336856.

Method(s) 8270C SIM: The method blank for preparation batch 490-336856 contained 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, and Phenanthrene above the reporting limit (RL). None of the following samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed: W-41-MW-11 (490-102566-2), W-40-MW-22 (490-102566-3) and W-39-MW-21 (490-102566-5).

Method(s) 8270C SIM: 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene and Phenanthrene were detected above the reporting limit (RL) in the method blank associated with 490-336856 as well as in the following samples: W-39-MW-26 (490-102566-4), W-39-MW-23 (490-102566-6) and W-39-MW-19 (490-102566-7). All affected samples were re-extracted outside of holding time with confirming results. The original set of data has been reported.

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: Batch 490-338479 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

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: 490-102566-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

Metals

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: 490-102566-1

Client Sample ID: W-39-MW-6
Date Collected: 04/26/16 14:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-1
Matrix: Ground 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			05/02/16 16:49	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:49	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:49	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 16:49	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 16:49	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 16:49	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:49	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:49	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:49	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 16:49	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 16:49	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 16:49	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 16:49	1
Acetone	ND		0.0250		mg/L			05/02/16 16:49	1
Benzene	ND		0.00100		mg/L			05/02/16 16:49	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 16:49	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 16:49	1
Bromoform	ND		0.00100		mg/L			05/02/16 16:49	1
Bromomethane	ND		0.00100		mg/L			05/02/16 16:49	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 16:49	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 16:49	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 16:49	1
Chloroethane	ND		0.00100		mg/L			05/02/16 16:49	1
Chloroform	ND		0.00100		mg/L			05/02/16 16:49	1
Chloromethane	ND		0.00100		mg/L			05/02/16 16:49	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:49	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:49	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 16:49	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 16:49	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 16:49	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 16:49	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 16:49	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-6
Date Collected: 04/26/16 14:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-1
Matrix: Ground 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			05/02/16 16:49	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 16:49	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Styrene	ND		0.00100		mg/L			05/02/16 16:49	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:49	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 16:49	1
Toluene	ND		0.00100		mg/L			05/02/16 16:49	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:49	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:49	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 16:49	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 16:49	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 16:49	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*05/02/16 16:49*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/02/16 16:49*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/16 16:49*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/02/16 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Acenaphthylene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Anthracene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Benzo[a]anthracene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Benzo[a]pyrene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Benzo[g,h,i]perylene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Benzo[k]fluoranthene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Chrysene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Dibenz(a,h)anthracene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Fluorene	**0.000101**		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Fluoranthene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Indeno[1,2,3-cd]pyrene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Naphthalene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Phenanthrene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
Pyrene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
1-Methylnaphthalene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1
2-Methylnaphthalene	ND		0.0000952		mg/L		05/03/16 10:07	05/04/16 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*13 - 120*	*05/03/16 10:07*	*05/04/16 17:23*	*1*
Nitrobenzene-d5	*64*		*27 - 120*	*05/03/16 10:07*	*05/04/16 17:23*	*1*
2-Fluorobiphenyl (Surr)	*79*		*29 - 120*	*05/03/16 10:07*	*05/04/16 17:23*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-6
Date Collected: 04/26/16 14:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-1
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0309**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:23	1
Barium	**0.351**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:23	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:23	1
Chromium	**0.364**		0.00500		mg/L		05/02/16 08:57	05/03/16 14:23	1
Lead	**0.0127**		0.00500		mg/L		05/02/16 08:57	05/03/16 14:23	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:23	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**16.2**		2.00		mg/L			05/07/16 12:47	1
Alkalinity	**520**		10.0		mg/L			05/02/16 11:23	1
Total Dissolved Solids	**565**		10.0		mg/L			04/30/16 14:20	1
Chloride	**4.87**		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-41-MW-11
Date Collected: 04/27/16 08:25
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-2
Matrix: Ground 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			05/02/16 19:09	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:09	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:09	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 19:09	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 19:09	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 19:09	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:09	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:09	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:09	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 19:09	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 19:09	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 19:09	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 19:09	1
Acetone	ND		0.0250		mg/L			05/02/16 19:09	1
Benzene	ND		0.00100		mg/L			05/02/16 19:09	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 19:09	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 19:09	1
Bromoform	ND		0.00100		mg/L			05/02/16 19:09	1
Bromomethane	ND		0.00100		mg/L			05/02/16 19:09	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 19:09	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 19:09	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 19:09	1
Chloroethane	ND		0.00100		mg/L			05/02/16 19:09	1
Chloroform	ND		0.00100		mg/L			05/02/16 19:09	1
Chloromethane	ND		0.00100		mg/L			05/02/16 19:09	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:09	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:09	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 19:09	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 19:09	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 19:09	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 19:09	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 19:09	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-41-MW-11
Date Collected: 04/27/16 08:25
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-2
Matrix: Ground 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			05/02/16 19:09	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 19:09	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Styrene	ND		0.00100		mg/L			05/02/16 19:09	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:09	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 19:09	1
Toluene	ND		0.00100		mg/L			05/02/16 19:09	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:09	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:09	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 19:09	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 19:09	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 19:09	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*05/02/16 19:09*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/02/16 19:09*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/16 19:09*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/02/16 19:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Fluorene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Naphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Phenanthrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
1-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1
2-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*63*		*13 - 120*	*05/03/16 18:30*	*05/04/16 18:51*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*05/03/16 18:30*	*05/04/16 18:51*	*1*
2-Fluorobiphenyl (Surr)	*69*		*29 - 120*	*05/03/16 18:30*	*05/04/16 18:51*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-41-MW-11
Date Collected: 04/27/16 08:25
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-2
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:27	1
Barium	**0.0458**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:27	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:27	1
Chromium	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:27	1
Lead	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:27	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:27	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**99.7**		10.0		mg/L			05/12/16 09:14	5
Alkalinity	**479**		10.0		mg/L			05/02/16 11:36	1
Total Dissolved Solids	**1250**		10.0		mg/L			04/30/16 14:20	1
Chloride	**257**		10.0		mg/L			05/03/16 18:39	10

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-40-MW-22
Date Collected: 04/27/16 10:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-3
Matrix: Ground 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			05/02/16 17:17	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:17	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:17	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 17:17	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 17:17	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 17:17	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:17	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:17	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:17	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 17:17	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 17:17	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 17:17	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 17:17	1
Acetone	ND		0.0250		mg/L			05/02/16 17:17	1
Benzene	ND		0.00100		mg/L			05/02/16 17:17	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 17:17	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 17:17	1
Bromoform	ND		0.00100		mg/L			05/02/16 17:17	1
Bromomethane	ND		0.00100		mg/L			05/02/16 17:17	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 17:17	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 17:17	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 17:17	1
Chloroethane	ND		0.00100		mg/L			05/02/16 17:17	1
Chloroform	ND		0.00100		mg/L			05/02/16 17:17	1
Chloromethane	ND		0.00100		mg/L			05/02/16 17:17	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:17	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:17	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 17:17	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 17:17	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 17:17	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 17:17	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 17:17	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-40-MW-22
Date Collected: 04/27/16 10:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-3
Matrix: Ground 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			05/02/16 17:17	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 17:17	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Styrene	ND		0.00100		mg/L			05/02/16 17:17	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:17	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 17:17	1
Toluene	ND		0.00100		mg/L			05/02/16 17:17	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:17	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:17	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 17:17	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 17:17	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 17:17	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/02/16 17:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/02/16 17:17*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/16 17:17*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/02/16 17:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Fluorene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Naphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Phenanthrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
1-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1
2-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*13 - 120*	*05/03/16 18:30*	*05/04/16 19:13*	*1*
Nitrobenzene-d5	*65*		*27 - 120*	*05/03/16 18:30*	*05/04/16 19:13*	*1*
2-Fluorobiphenyl (Surr)	*77*		*29 - 120*	*05/03/16 18:30*	*05/04/16 19:13*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-40-MW-22
Date Collected: 04/27/16 10:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-3
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0201**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:32	1
Barium	**0.0215**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:32	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:32	1
Chromium	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:32	1
Lead	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:32	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:32	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**184**		20.0		mg/L			05/09/16 18:53	10
Alkalinity	**256**		10.0		mg/L			05/02/16 11:42	1
Total Dissolved Solids	**664**		10.0		mg/L			04/30/16 14:20	1
Chloride	**33.6**		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-26
Date Collected: 04/27/16 14:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-4
Matrix: Ground 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			05/02/16 19:37	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:37	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:37	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 19:37	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 19:37	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 19:37	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:37	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:37	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 19:37	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 19:37	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 19:37	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 19:37	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 19:37	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 19:37	1
Acetone	ND		0.0250		mg/L			05/02/16 19:37	1
Benzene	**0.0242**		0.00100		mg/L			05/02/16 19:37	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 19:37	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 19:37	1
Bromoform	ND		0.00100		mg/L			05/02/16 19:37	1
Bromomethane	ND		0.00100		mg/L			05/02/16 19:37	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 19:37	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 19:37	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 19:37	1
Chloroethane	ND		0.00100		mg/L			05/02/16 19:37	1
Chloroform	ND		0.00100		mg/L			05/02/16 19:37	1
Chloromethane	ND		0.00100		mg/L			05/02/16 19:37	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:37	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:37	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 19:37	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 19:37	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 19:37	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 19:37	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 19:37	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-26
Date Collected: 04/27/16 14:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-4
Matrix: Ground 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			05/02/16 19:37	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 19:37	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Styrene	ND		0.00100		mg/L			05/02/16 19:37	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 19:37	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 19:37	1
Toluene	ND		0.00100		mg/L			05/02/16 19:37	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 19:37	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 19:37	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 19:37	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 19:37	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 19:37	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*05/02/16 19:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/02/16 19:37*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/16 19:37*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/02/16 19:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Fluorene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Naphthalene	**0.000370**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Phenanthrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
1-Methylnaphthalene	**0.000130**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1
2-Methylnaphthalene	**0.0000991**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*66*		*13 - 120*	*05/03/16 18:30*	*05/04/16 19:36*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*05/03/16 18:30*	*05/04/16 19:36*	*1*
2-Fluorobiphenyl (Surr)	*68*		*29 - 120*	*05/03/16 18:30*	*05/04/16 19:36*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-26
Date Collected: 04/27/16 14:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-4
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0165		0.0100		mg/L		05/02/16 08:57	05/03/16 14:36	1
Barium	0.111		0.0100		mg/L		05/02/16 08:57	05/03/16 14:36	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:36	1
Chromium	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:36	1
Lead	0.00600		0.00500		mg/L		05/02/16 08:57	05/03/16 14:36	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:36	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000399		0.000200		mg/L		05/02/16 06:42	05/02/16 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	98.6		10.0		mg/L			05/07/16 12:47	5
Alkalinity	308		10.0		mg/L			05/02/16 11:49	1
Total Dissolved Solids	771		10.0		mg/L			04/30/16 14:20	1
Chloride	31.7		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-21
Date Collected: 04/27/16 13:45
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-5
Matrix: Ground 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			05/02/16 17:45	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:45	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:45	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 17:45	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 17:45	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 17:45	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:45	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:45	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 17:45	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 17:45	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 17:45	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 17:45	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 17:45	1
Acetone	ND		0.0250		mg/L			05/02/16 17:45	1
Benzene	**0.0115**		0.00100		mg/L			05/02/16 17:45	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 17:45	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 17:45	1
Bromoform	ND		0.00100		mg/L			05/02/16 17:45	1
Bromomethane	ND		0.00100		mg/L			05/02/16 17:45	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 17:45	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 17:45	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 17:45	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 17:45	1
Chloroethane	ND		0.00100		mg/L			05/02/16 17:45	1
Chloroform	ND		0.00100		mg/L			05/02/16 17:45	1
Chloromethane	ND		0.00100		mg/L			05/02/16 17:45	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:45	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:45	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 17:45	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 17:45	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 17:45	1
Isopropylbenzene	**0.00189**		0.00100		mg/L			05/02/16 17:45	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 17:45	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 17:45	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-21
Date Collected: 04/27/16 13:45
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-5
Matrix: Ground 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			05/02/16 17:45	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 17:45	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
Styrene	ND		0.00100		mg/L			05/02/16 17:45	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 17:45	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 17:45	1
Toluene	ND		0.00100		mg/L			05/02/16 17:45	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 17:45	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 17:45	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 17:45	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 17:45	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 17:45	1
Xylenes, Total	**0.0104**		0.00300		mg/L			05/02/16 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*05/02/16 17:45*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*05/02/16 17:45*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/02/16 17:45*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/02/16 17:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Fluorene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Naphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Phenanthrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
1-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1
2-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*66*		*13 - 120*	*05/03/16 18:30*	*05/04/16 19:58*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*05/03/16 18:30*	*05/04/16 19:58*	*1*
2-Fluorobiphenyl (Surr)	*71*		*29 - 120*	*05/03/16 18:30*	*05/04/16 19:58*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-21
Date Collected: 04/27/16 13:45
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-5
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0355**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:40	1
Barium	**0.0145**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:40	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:40	1
Chromium	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:40	1
Lead	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:40	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:40	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**306**		20.0		mg/L			05/07/16 12:47	10
Alkalinity	**288**		10.0		mg/L			05/02/16 11:56	1
Total Dissolved Solids	**849**		10.0		mg/L			04/30/16 14:20	1
Chloride	**9.67**		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-23
Date Collected: 04/27/16 15:10
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-6
Matrix: Ground 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		0.00500		mg/L			05/02/16 18:41	5
1,1,1-Trichloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
1,1,2,2-Tetrachloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
1,1,2-Trichloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
1,1-Dichloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
1,1-Dichloroethene	ND		0.00500		mg/L			05/02/16 18:41	5
1,1-Dichloropropene	ND		0.00500		mg/L			05/02/16 18:41	5
1,2,3-Trichlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
1,2,3-Trichloropropane	ND		0.00500		mg/L			05/02/16 18:41	5
1,2,4-Trichlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
1,2,4-Trimethylbenzene	**0.00879**		0.00500		mg/L			05/02/16 18:41	5
1,2-Dibromo-3-Chloropropane	ND		0.0500		mg/L			05/02/16 18:41	5
1,2-Dibromoethane (EDB)	ND		0.00500		mg/L			05/02/16 18:41	5
1,2-Dichlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
1,2-Dichloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
1,2-Dichloropropane	ND		0.00500		mg/L			05/02/16 18:41	5
1,3,5-Trimethylbenzene	**0.0162**		0.00500		mg/L			05/02/16 18:41	5
1,3-Dichlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
1,3-Dichloropropane	ND		0.00500		mg/L			05/02/16 18:41	5
1,4-Dichlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
2,2-Dichloropropane	ND		0.00500		mg/L			05/02/16 18:41	5
2-Butanone (MEK)	ND		0.250		mg/L			05/02/16 18:41	5
2-Chlorotoluene	ND		0.00500		mg/L			05/02/16 18:41	5
2-Hexanone	ND		0.0500		mg/L			05/02/16 18:41	5
4-Chlorotoluene	ND		0.00500		mg/L			05/02/16 18:41	5
4-Methyl-2-pentanone (MIBK)	ND		0.0500		mg/L			05/02/16 18:41	5
Acetone	ND		0.125		mg/L			05/02/16 18:41	5
Benzene	**0.473**		0.00500		mg/L			05/02/16 18:41	5
Bromobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
Bromochloromethane	ND		0.00500		mg/L			05/02/16 18:41	5
Bromodichloromethane	ND		0.00500		mg/L			05/02/16 18:41	5
Bromoform	ND		0.00500		mg/L			05/02/16 18:41	5
Bromomethane	ND		0.00500		mg/L			05/02/16 18:41	5
Carbon disulfide	ND		0.00500		mg/L			05/02/16 18:41	5
Carbon tetrachloride	ND		0.00500		mg/L			05/02/16 18:41	5
Chlorobenzene	ND		0.00500		mg/L			05/02/16 18:41	5
Chlorodibromomethane	ND		0.00500		mg/L			05/02/16 18:41	5
Chloroethane	ND		0.00500		mg/L			05/02/16 18:41	5
Chloroform	ND		0.00500		mg/L			05/02/16 18:41	5
Chloromethane	ND		0.00500		mg/L			05/02/16 18:41	5
cis-1,2-Dichloroethene	ND		0.00500		mg/L			05/02/16 18:41	5
cis-1,3-Dichloropropene	ND		0.00500		mg/L			05/02/16 18:41	5
Dibromomethane	ND		0.00500		mg/L			05/02/16 18:41	5
Dichlorodifluoromethane	ND		0.00500		mg/L			05/02/16 18:41	5
Ethylbenzene	**0.0887**		0.00500		mg/L			05/02/16 18:41	5
Hexachlorobutadiene	ND		0.0100		mg/L			05/02/16 18:41	5
Isopropylbenzene	**0.00877**		0.00500		mg/L			05/02/16 18:41	5
Methyl tert-butyl ether	ND		0.00500		mg/L			05/02/16 18:41	5
Methylene Chloride	ND		0.0250		mg/L			05/02/16 18:41	5

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-23
Date Collected: 04/27/16 15:10
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.0384**		0.0250		mg/L			05/02/16 18:41	5
n-Butylbenzene	ND		0.00500		mg/L			05/02/16 18:41	5
N-Propylbenzene	**0.00532**		0.00500		mg/L			05/02/16 18:41	5
p-Isopropyltoluene	ND		0.00500		mg/L			05/02/16 18:41	5
sec-Butylbenzene	ND		0.00500		mg/L			05/02/16 18:41	5
Styrene	ND		0.00500		mg/L			05/02/16 18:41	5
tert-Butylbenzene	ND		0.00500		mg/L			05/02/16 18:41	5
Tetrachloroethene	ND		0.00500		mg/L			05/02/16 18:41	5
Toluene	ND		0.00500		mg/L			05/02/16 18:41	5
trans-1,2-Dichloroethene	ND		0.00500		mg/L			05/02/16 18:41	5
trans-1,3-Dichloropropene	ND		0.00500		mg/L			05/02/16 18:41	5
Trichloroethene	ND		0.00500		mg/L			05/02/16 18:41	5
Trichlorofluoromethane	ND		0.00500		mg/L			05/02/16 18:41	5
Vinyl chloride	ND		0.00500		mg/L			05/02/16 18:41	5
Xylenes, Total	ND		0.0150		mg/L			05/02/16 18:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*05/02/16 18:41*	*5*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*05/02/16 18:41*	*5*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/02/16 18:41*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/02/16 18:41*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Fluorene	**0.000280**		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Naphthalene	**0.00754**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Phenanthrene	**0.000177**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
1-Methylnaphthalene	**0.00497**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1
2-Methylnaphthalene	**0.00409**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*43*		*13 - 120*	*05/03/16 18:30*	*05/04/16 20:20*	*1*
Nitrobenzene-d5	*61*		*27 - 120*	*05/03/16 18:30*	*05/04/16 20:20*	*1*
2-Fluorobiphenyl (Surr)	*64*		*29 - 120*	*05/03/16 18:30*	*05/04/16 20:20*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-23
Date Collected: 04/27/16 15:10
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-6
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0577**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:45	1
Barium	**0.768**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:45	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:45	1
Chromium	**0.0832**		0.00500		mg/L		05/02/16 08:57	05/03/16 14:45	1
Lead	**0.0314**		0.00500		mg/L		05/02/16 08:57	05/03/16 14:45	1
Selenium	ND		0.0100		mg/L		05/02/16 08:57	05/03/16 14:45	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**51.9**		4.00		mg/L			05/07/16 12:47	2
Alkalinity	**429**		10.0		mg/L			05/02/16 12:03	1
Total Dissolved Solids	**607**		10.0		mg/L			04/30/16 14:20	1
Chloride	**6.70**		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-19
Date Collected: 04/27/16 16:15
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-7
Matrix: Ground 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			05/02/16 18:13	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 18:13	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 18:13	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 18:13	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
1,2,4-Trimethylbenzene	**0.0396**		0.00100		mg/L			05/02/16 18:13	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 18:13	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 18:13	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 18:13	1
1,3,5-Trimethylbenzene	**0.0194**		0.00100		mg/L			05/02/16 18:13	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 18:13	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 18:13	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 18:13	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 18:13	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 18:13	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 18:13	1
Acetone	ND		0.0250		mg/L			05/02/16 18:13	1
Benzene	**0.00416**		0.00100		mg/L			05/02/16 18:13	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 18:13	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 18:13	1
Bromoform	ND		0.00100		mg/L			05/02/16 18:13	1
Bromomethane	ND		0.00100		mg/L			05/02/16 18:13	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 18:13	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 18:13	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 18:13	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 18:13	1
Chloroethane	ND		0.00100		mg/L			05/02/16 18:13	1
Chloroform	ND		0.00100		mg/L			05/02/16 18:13	1
Chloromethane	ND		0.00100		mg/L			05/02/16 18:13	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 18:13	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 18:13	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 18:13	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 18:13	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 18:13	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 18:13	1
Isopropylbenzene	**0.00741**		0.00100		mg/L			05/02/16 18:13	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 18:13	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 18:13	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-19
Date Collected: 04/27/16 16:15
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.0192**		0.00500		mg/L			05/02/16 18:13	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 18:13	1
N-Propylbenzene	**0.00218**		0.00100		mg/L			05/02/16 18:13	1
p-Isopropyltoluene	**0.00183**		0.00100		mg/L			05/02/16 18:13	1
sec-Butylbenzene	**0.00204**		0.00100		mg/L			05/02/16 18:13	1
Styrene	ND		0.00100		mg/L			05/02/16 18:13	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 18:13	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 18:13	1
Toluene	ND		0.00100		mg/L			05/02/16 18:13	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 18:13	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 18:13	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 18:13	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 18:13	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 18:13	1
Xylenes, Total	**0.0569**		0.00300		mg/L			05/02/16 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*05/02/16 18:13*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*05/02/16 18:13*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/16 18:13*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/02/16 18:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Acenaphthylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Benzo[a]anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Benzo[a]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Benzo[b]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Benzo[g,h,i]perylene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Benzo[k]fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Chrysene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Dibenz(a,h)anthracene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Fluorene	**0.000198**		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Fluoranthene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Indeno[1,2,3-cd]pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Naphthalene	**0.000772**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Phenanthrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
Pyrene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
1-Methylnaphthalene	**0.000582**	**B**	0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1
2-Methylnaphthalene	ND		0.0000939		mg/L		05/03/16 18:30	05/04/16 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*70*		*13 - 120*	*05/03/16 18:30*	*05/04/16 20:42*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*05/03/16 18:30*	*05/04/16 20:42*	*1*
2-Fluorobiphenyl (Surr)	*70*		*29 - 120*	*05/03/16 18:30*	*05/04/16 20:42*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-19
Date Collected: 04/27/16 16:15
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-7
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0253**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:49	1
Barium	**0.0265**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:49	1
Cadmium	ND		0.00100		mg/L		05/02/16 08:57	05/03/16 14:49	1
Chromium	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:49	1
Lead	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:49	1
Selenium	**0.0108**		0.0100		mg/L		05/02/16 08:57	05/03/16 14:49	1
Silver	ND		0.00500		mg/L		05/02/16 08:57	05/03/16 14:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**131**		10.0		mg/L			05/07/16 12:47	5
Alkalinity	**248**		10.0		mg/L			05/02/16 12:09	1
Total Dissolved Solids	**623**		10.0		mg/L			04/30/16 14:20	1
Chloride	**39.5**		1.00		mg/L			05/03/16 18:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-EB
Date Collected: 04/27/16 16:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-8
Matrix: Ground 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			05/02/16 15:53	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:53	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:53	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 15:53	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 15:53	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 15:53	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:53	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:53	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:53	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 15:53	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 15:53	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 15:53	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 15:53	1
Acetone	ND		0.0250		mg/L			05/02/16 15:53	1
Benzene	ND		0.00100		mg/L			05/02/16 15:53	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 15:53	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 15:53	1
Bromoform	ND		0.00100		mg/L			05/02/16 15:53	1
Bromomethane	ND		0.00100		mg/L			05/02/16 15:53	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 15:53	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 15:53	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 15:53	1
Chloroethane	ND		0.00100		mg/L			05/02/16 15:53	1
Chloroform	ND		0.00100		mg/L			05/02/16 15:53	1
Chloromethane	ND		0.00100		mg/L			05/02/16 15:53	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:53	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:53	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 15:53	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 15:53	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 15:53	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 15:53	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 15:53	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-EB
Date Collected: 04/27/16 16:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-8
Matrix: Ground 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			05/02/16 15:53	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 15:53	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Styrene	ND		0.00100		mg/L			05/02/16 15:53	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:53	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 15:53	1
Toluene	ND		0.00100		mg/L			05/02/16 15:53	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:53	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:53	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 15:53	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 15:53	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 15:53	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*05/02/16 15:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*05/02/16 15:53*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/02/16 15:53*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/02/16 15:53*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-FB
Date Collected: 04/27/16 17:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-9
Matrix: Ground 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			05/02/16 16:21	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:21	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:21	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 16:21	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 16:21	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 16:21	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:21	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:21	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 16:21	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 16:21	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 16:21	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 16:21	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 16:21	1
Acetone	ND		0.0250		mg/L			05/02/16 16:21	1
Benzene	ND		0.00100		mg/L			05/02/16 16:21	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 16:21	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 16:21	1
Bromoform	ND		0.00100		mg/L			05/02/16 16:21	1
Bromomethane	ND		0.00100		mg/L			05/02/16 16:21	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 16:21	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 16:21	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 16:21	1
Chloroethane	ND		0.00100		mg/L			05/02/16 16:21	1
Chloroform	ND		0.00100		mg/L			05/02/16 16:21	1
Chloromethane	ND		0.00100		mg/L			05/02/16 16:21	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:21	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:21	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 16:21	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 16:21	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 16:21	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 16:21	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 16:21	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-FB
Date Collected: 04/27/16 17:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-9
Matrix: Ground 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			05/02/16 16:21	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 16:21	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Styrene	ND		0.00100		mg/L			05/02/16 16:21	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 16:21	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 16:21	1
Toluene	ND		0.00100		mg/L			05/02/16 16:21	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 16:21	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 16:21	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 16:21	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 16:21	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 16:21	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*05/02/16 16:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/02/16 16:21*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*05/02/16 16:21*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/02/16 16:21*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: Trip Blanks
Date Collected: 04/27/16 01:01
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-10
Matrix: Ground 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			05/02/16 15:25	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:25	1
1,1-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:25	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			05/02/16 15:25	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			05/02/16 15:25	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			05/02/16 15:25	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
1,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:25	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
1,3-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:25	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
2,2-Dichloropropane	ND		0.00100		mg/L			05/02/16 15:25	1
2-Butanone (MEK)	ND		0.0500		mg/L			05/02/16 15:25	1
2-Chlorotoluene	ND		0.00100		mg/L			05/02/16 15:25	1
2-Hexanone	ND		0.0100		mg/L			05/02/16 15:25	1
4-Chlorotoluene	ND		0.00100		mg/L			05/02/16 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			05/02/16 15:25	1
Acetone	ND		0.0250		mg/L			05/02/16 15:25	1
Benzene	ND		0.00100		mg/L			05/02/16 15:25	1
Bromobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Bromochloromethane	ND		0.00100		mg/L			05/02/16 15:25	1
Bromodichloromethane	ND		0.00100		mg/L			05/02/16 15:25	1
Bromoform	ND		0.00100		mg/L			05/02/16 15:25	1
Bromomethane	ND		0.00100		mg/L			05/02/16 15:25	1
Carbon disulfide	ND		0.00100		mg/L			05/02/16 15:25	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 15:25	1
Chlorobenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 15:25	1
Chloroethane	ND		0.00100		mg/L			05/02/16 15:25	1
Chloroform	ND		0.00100		mg/L			05/02/16 15:25	1
Chloromethane	ND		0.00100		mg/L			05/02/16 15:25	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:25	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:25	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 15:25	1
Dichlorodifluoromethane	ND		0.00100		mg/L			05/02/16 15:25	1
Ethylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Hexachlorobutadiene	ND		0.00200		mg/L			05/02/16 15:25	1
Isopropylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Methyl tert-butyl ether	ND		0.00100		mg/L			05/02/16 15:25	1
Methylene Chloride	ND		0.00500		mg/L			05/02/16 15:25	1

Client Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: Trip Blanks
Date Collected: 04/27/16 01:01
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-10
Matrix: Ground 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			05/02/16 15:25	1
n-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
N-Propylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
p-Isopropyltoluene	ND		0.00100		mg/L			05/02/16 15:25	1
sec-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Styrene	ND		0.00100		mg/L			05/02/16 15:25	1
tert-Butylbenzene	ND		0.00100		mg/L			05/02/16 15:25	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 15:25	1
Toluene	ND		0.00100		mg/L			05/02/16 15:25	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 15:25	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			05/02/16 15:25	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 15:25	1
Trichlorofluoromethane	ND		0.00100		mg/L			05/02/16 15:25	1
Vinyl chloride	ND		0.00100		mg/L			05/02/16 15:25	1
Xylenes, Total	ND		0.00300		mg/L			05/02/16 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*05/02/16 15:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/02/16 15:25*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*05/02/16 15:25*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/02/16 15:25*	*1*

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: MB 490-336309/10
Matrix: Water
Analysis Batch: 336309

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			05/02/16 14:2p	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,1-Dichloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,1-Dichloroethene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,1-Dichloro3ro3ene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2,z-Trichlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2,z-Trichloro3ro3ane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2,4-Trichlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2,4-Trimeth(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2-Dibromo-z-Chloro3ro3ane	ND		0.0100		mg/L			05/02/16 14:2p	1
1,2-Dibromoethane EBD) u	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2-Dichlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2-Dichloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,2-Dichloro3ro3ane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,z,5-Trimeth(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,z-Dichlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
1,z-Dichloro3ro3ane	ND		0.00100		mg/L			05/02/16 14:2p	1
1,4-Dichlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
2,2-Dichloro3ro3ane	ND		0.00100		mg/L			05/02/16 14:2p	1
2-) Manone EK BHu	ND		0.0500		mg/L			05/02/16 14:2p	1
2-ChlorotolMene	ND		0.00100		mg/L			05/02/16 14:2p	1
2-x ef anone	ND		0.0100		mg/L			05/02/16 14:2p	1
4-ChlorotolMene	ND		0.00100		mg/L			05/02/16 14:2p	1
4-K eth(l-2-3entanone EK I) Hu	ND		0.0100		mg/L			05/02/16 14:2p	1
Acetone	ND		0.0250		mg/L			05/02/16 14:2p	1
) enyene	ND		0.00100		mg/L			05/02/16 14:2p	1
) romobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
) romochloromethane	ND		0.00100		mg/L			05/02/16 14:2p	1
) romodichloromethane	ND		0.00100		mg/L			05/02/16 14:2p	1
) romovorm	ND		0.00100		mg/L			05/02/16 14:2p	1
) romomethane	ND		0.00100		mg/L			05/02/16 14:2p	1
Carbon disMvide	ND		0.00100		mg/L			05/02/16 14:2p	1
Carbon tetrachloride	ND		0.00100		mg/L			05/02/16 14:2p	1
Chlorobenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
Chlorodibromomethane	ND		0.00100		mg/L			05/02/16 14:2p	1
Chloroethane	ND		0.00100		mg/L			05/02/16 14:2p	1
Chlorovorm	ND		0.00100		mg/L			05/02/16 14:2p	1
Chloromethane	ND		0.00100		mg/L			05/02/16 14:2p	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 14:2p	1
cis-1,z-Dichloro3ro3ene	ND		0.00100		mg/L			05/02/16 14:2p	1
Dibromomethane	ND		0.00100		mg/L			05/02/16 14:2p	1
DichlorodiVMbromethane	ND		0.00100		mg/L			05/02/16 14:2p	1
Bth(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
x ef achlorobMadiene	ND		0.00200		mg/L			05/02/16 14:2p	1
Iso3ro3(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
K eth(l tert-bM(l ether	ND		0.00100		mg/L			05/02/16 14:2p	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: MB 490-336309/10
Matrix: Water
Analysis Batch: 336309

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K eth(lene Chloride	ND		0.00500		mg/L			05/02/16 14:2p	1
Na3hthalene	ND		0.00500		mg/L			05/02/16 14:2p	1
n-) M(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
N-Pro3(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
3-Iso3ro3(ItolMene	ND		0.00100		mg/L			05/02/16 14:2p	1
sec-) M(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
St(rene	ND		0.00100		mg/L			05/02/16 14:2p	1
tert-) M(lbenyene	ND		0.00100		mg/L			05/02/16 14:2p	1
Tetrachloroethene	ND		0.00100		mg/L			05/02/16 14:2p	1
TolMene	ND		0.00100		mg/L			05/02/16 14:2p	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			05/02/16 14:2p	1
trans-1,z-Dichloro3ro3ene	ND		0.00100		mg/L			05/02/16 14:2p	1
Trichloroethene	ND		0.00100		mg/L			05/02/16 14:2p	1
TrichlorovMbromethane	ND		0.00100		mg/L			05/02/16 14:2p	1
Xin(l chloride	ND		0.00100		mg/L			05/02/16 14:2p	1
7(lenes, Total	ND		0.00z00		mg/L			05/02/16 14:2p	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 103*		*35/32/16 14:2B*	*1*
4-mrof obluorozenTene (Surr)	*92*		*73 - 103*		*35/32/16 14:2B*	*1*
Dizrof obluorof ethane (Surr)	*99*		*73 - 103*		*35/32/16 14:2B*	*1*
8oluene-dB (Surr)	*131*		*73 - 103*		*35/32/16 14:2B*	*1*

Lab Sample ID: LCS 490-336309/3
Matrix: Water
Analysis Batch: 336309

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	0.0500	0.05z94		mg/L		10p	[0 - 1z0
1,1,1-Trichloroethane	0.0500	0.04646		mg/L		9z	[0 - 1z5
1,1,2,2-Tetrachloroethane	0.0500	0.05zp2		mg/L		10p	69 - 1z1
1,1,2-Trichloroethane	0.0500	0.05zz[		mg/L		10[	[0 - 1z0
1,1-Dichloroethane	0.0500	0.046z4		mg/L		9z	[0 - 1z0
1,1-Dichloroethene	0.0500	0.04pp5		mg/L		9p	[0 - 1z2
1,1-Dichloro3ro3ene	0.0500	0.045[1		mg/L		91	[0 - 1z0
1,2,z-Trichlorobenyene	0.0500	0.05695		mg/L		114	46 - 150
1,2,z-Trichloro3ro3ane	0.0500	0.05116		mg/L		102	[0 - 1z1
1,2,4-Trichlorobenyene	0.0500	0.05524		mg/L		110	5p - 14[
1,2,4-Trimeth(lbenyene	0.0500	0.04p54		mg/L		9[	[0 - 1z0
1,2-Dibromo-z-Chloro3ro3ane	0.0500	0.052zp		mg/L		105	45 - 1zp
1,2-Dibromoethane EBD) u	0.0500	0.0554[		mg/L		111	[0 - 1z0
1,2-Dichlorobenyene	0.0500	0.05100		mg/L		102	[0 - 1z0
1,2-Dichloroethane	0.0500	0.045p2		mg/L		92	[0 - 1z0
1,2-Dichloro3ro3ane	0.0500	0.04p51		mg/L		9[	[0 - 1z0
1,z,5-Trimeth(lbenyene	0.0500	0.05020		mg/L		100	[0 - 1z0
1,z-Dichlorobenyene	0.0500	0.049z2		mg/L		99	[0 - 1z0
1,z-Dichloro3ro3ane	0.0500	0.05z00		mg/L		106	[0 - 1z0
1,4-Dichlorobenyene	0.0500	0.04969		mg/L		99	[0 - 1z0

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCS 490-336309/3
Matrix: Water
Analysis Batch: 336309

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloro3ro3ane	0.0500	0.05410		mg/L		10p	60 - 14z
2-) Manone EK BHu	0.250	0.2619		mg/L		105	55 - 14z
2-ChlorotolMene	0.0500	0.05422		mg/L		10p	[0 - 1z0
2-x ef anone	0.250	0.2[1[		mg/L		109	54 - 142
4-ChlorotolMene	0.0500	0.04pz2		mg/L		9[	[0 - 1z0
4-K eth(l-2-3entanone EK I) Hu	0.250	0.2pz[		mg/L		11z	60 - 1z[
Acetone	0.250	0.2922		mg/L		11[	z9 - 150
) enyene	0.0500	0.04461		mg/L		p9	[0 - 1z0
) romobenyene	0.0500	0.05012		mg/L		100	[0 - 1z0
) romochloromethane	0.0500	0.04915		mg/L		9p	[0 - 1z0
) romodichloromethane	0.0500	0.05z22		mg/L		106	[0 - 1z0
) romovorm	0.0500	0.05[22	B	mg/L		114	[0 - 1z[
) romomethane	0.0500	0.05251	B	mg/L		105	5z - 150
Carbon disMvide	0.0500	0.04p01		mg/L		96	64 - 1z5
Carbon tetrachloride	0.0500	0.04[[5		mg/L		95	[0 - 14[
Chlorobenyene	0.0500	0.0511[		mg/L		102	[0 - 1z0
Chlorodibromomethane	0.0500	0.05516	B	mg/L		110	[0 - 1zz
Chloroethane	0.0500	0.04pz4		mg/L		9[	60 - 1zp
Chlorovorm	0.0500	0.045p9		mg/L		92	[0 - 1z0
Chloromethane	0.0500	0.05511		mg/L		110	zz - 150
cis-1,2-Dichloroethene	0.0500	0.04[[1		mg/L		95	[0 - 1z0
cis-1,z-Dichloro3ro3ene	0.0500	0.05524		mg/L		110	[0 - 1zz
Dibromomethane	0.0500	0.05110		mg/L		102	[0 - 1z0
DichlorodiVMbromethane	0.0500	0.04549		mg/L		91	4p - 150
Bth(lbenyene	0.0500	0.04p42		mg/L		9[	[0 - 1z0
x ef achlorobMadiene	0.0500	0.051z6		mg/L		10z	[0 - 1zp
Iso3ro3(lbenyene	0.0500	0.04p0p		mg/L		96	[0 - 1z1
K eth(l tert-bM(l ether	0.0500	0.0510p		mg/L		102	[0 - 1z0
K eth(lene Chloride	0.0500	0.0509p		mg/L		102	[0 - 1z0
Na3hthalene	0.0500	0.064p0		mg/L		1z0	54 - 150
n-) M(lbenyene	0.0500	0.04p4p		mg/L		9[	6p - 1z[
N-Pro3(lbenyene	0.0500	0.04655		mg/L		9z	[0 - 1z4
3-Iso3ro3(ltolMene	0.0500	0.04[p0		mg/L		96	66 - 1z0
sec-) M(lbenyene	0.0500	0.0454p		mg/L		91	[0 - 1z5
St(rene	0.0500	0.052p1		mg/L		106	[0 - 1z0
tert-) M(lbenyene	0.0500	0.04549		mg/L		91	[0 - 1z0
Tetrachloroethene	0.0500	0.04[z9		mg/L		95	[0 - 1z0
TolMene	0.0500	0.04p2z		mg/L		96	[0 - 1z0
trans-1,2-Dichloroethene	0.0500	0.044[p		mg/L		90	[0 - 1z0
trans-1,z-Dichloro3ro3ene	0.0500	0.0505[		mg/L		101	6z - 142
Trichloroethene	0.0500	0.04902		mg/L		9p	[0 - 1z0
TrichlorovMbromethane	0.0500	0.0450z		mg/L		90	59 - 150
Xin(l chloride	0.0500	0.050p9		mg/L		102	5[- 1z[
7(lenes, Total	0.100	0.09951		mg/L		100	[0 - 1z2

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 103*
4-mrof obuorozenTene (Surr)	*95*		*73 - 103*

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCS 490-336309/3
Matrix: Water
Analysis Batch: 336309

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dizrof obuorof ethane (Surr)	97		73 - 103
8oluene-dB (Surr)	134		73 - 103

Lab Sample ID: LCSD 490-336309/4
Matrix: Water
Analysis Batch: 336309

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	0.0500	0.05z6z		mg/L		10[	[0 - 1z0	1	1z
1,1,1-Trichloroethane	0.0500	0.0456[		mg/L		91	[0 - 1z5	2	15
1,1,2,2-Tetrachloroethane	0.0500	0.05269		mg/L		105	69 - 1z1	2	15
1,1,2-Trichloroethane	0.0500	0.052p4		mg/L		106	[0 - 1z0	1	1z
1,1-Dichloroethane	0.0500	0.045p4		mg/L		92	[0 - 1z0	1	1[
1,1-Dichloroethene	0.0500	0.04[z[		mg/L		95	[0 - 1z2	z	20
1,1-Dichloro3ro3ene	0.0500	0.0452p		mg/L		91	[0 - 1z0	1	16
1,2,z-Trichlorobenyene	0.0500	0.05p01		mg/L		116	46 - 150	2	16
1,2,z-Trichloro3ro3ane	0.0500	0.04pp4		mg/L		9p	[0 - 1z1	5	14
1,2,4-Trichlorobenyene	0.0500	0.05415		mg/L		10p	5p - 14[	2	15
1,2,4-Trimeth(lbenyene	0.0500	0.04[p0		mg/L		96	[0 - 1z0	2	1z
1,2-Dibromo-z-Chloro3ro3ane	0.0500	0.052z0		mg/L		105	45 - 1zp	0	19
1,2-Dibromoethane EBD) u	0.0500	0.05z92		mg/L		10p	[0 - 1z0	z	1z
1,2-Dichlorobenyene	0.0500	0.05019		mg/L		100	[0 - 1z0	2	12
1,2-Dichloroethane	0.0500	0.044[2		mg/L		p9	[0 - 1z0	2	1z
1,2-Dichloro3ro3ane	0.0500	0.04[[p		mg/L		96	[0 - 1z0	2	15
1,z,5-Trimeth(lbenyene	0.0500	0.0494p		mg/L		99	[0 - 1z0	1	14
1,z-Dichlorobenyene	0.0500	0.04ppz		mg/L		9p	[0 - 1z0	1	1z
1,z-Dichloro3ro3ane	0.0500	0.05190		mg/L		104	[0 - 1z0	2	12
1,4-Dichlorobenyene	0.0500	0.04922		mg/L		9p	[0 - 1z0	1	12
2,2-Dichloro3ro3ane	0.0500	0.05225		mg/L		104	60 - 14z	z	20
2-) Manone EK BHu	0.250	0.2491		mg/L		100	55 - 14z	5	19
2-ChlorotolMene	0.0500	0.05z[0		mg/L		10[	[0 - 1z0	1	15
2-x ef anone	0.250	0.2602		mg/L		104	54 - 142	4	1[
4-ChlorotolMene	0.0500	0.04[41		mg/L		95	[0 - 1z0	2	15
4-K eth(l-2-3entanone EK I) Hu	0.250	0.2[21		mg/L		109	60 - 1z[	4	21
Acetone	0.250	0.2[54		mg/L		110	z9 - 150	6	2z
) enyene	0.0500	0.04442		mg/L		p9	[0 - 1z0	0	12
) romobenyene	0.0500	0.04p1[		mg/L		96	[0 - 1z0	4	16
) romochloromethane	0.0500	0.049zz		mg/L		99	[0 - 1z0	0	16
) romodichloromethane	0.0500	0.05206		mg/L		104	[0 - 1z0	2	14
) romovorm	0.0500	0.055[z	B	mg/L		111	[0 - 1z[	z	14
) romomethane	0.0500	0.0522p	B	mg/L		105	5z - 150	0	19
Carbon disMvide	0.0500	0.04559		mg/L		91	64 - 1z5	5	16
Carbon tetrachloride	0.0500	0.0465p		mg/L		9z	[0 - 14[	2	16
Chlorobenyene	0.0500	0.05110		mg/L		102	[0 - 1z0	0	12
Chlorodibromomethane	0.0500	0.05500	B	mg/L		110	[0 - 1zz	0	1z
Chloroethane	0.0500	0.04[p5		mg/L		96	60 - 1zp	1	15
Chlorovorm	0.0500	0.044p5		mg/L		90	[0 - 1z0	2	14
Chloromethane	0.0500	0.05401		mg/L		10p	zz - 150	2	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCSD 490-336309/4
Matrix: Water
Analysis Batch: 336309

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			0.0500	0.04652		mg/L		9z	[0 - 1z0	z	15
cis-1,z-Dichloro3ro3ene			0.0500	0.05464		mg/L		109	[0 - 1zz	1	15
Dibromomethane			0.0500	0.05005		mg/L		100	[0 - 1z0	2	14
DichlorodivMbromethane			0.0500	0.04z59		mg/L		p[	4p - 150	4	16
Bth(lbenyene			0.0500	0.04[[0		mg/L		95	[0 - 1z0	1	12
x ef achlorobMadiene			0.0500	0.04990		mg/L		100	[0 - 1zp	z	16
Iso3ro3(lbenyene			0.0500	0.04[24		mg/L		94	[0 - 1z1	2	1z
K eth(l tert-bM(l ether			0.0500	0.04944		mg/L		99	[0 - 1z0	z	16
K eth(lene Chloride			0.0500	0.05029		mg/L		101	[0 - 1z0	1	15
Na3hthalene			0.0500	0.06465		mg/L		129	54 - 150	0	15
n-) M(lbenyene			0.0500	0.04[92		mg/L		96	6p - 1z[	1	14
N-Pro3(lbenyene			0.0500	0.04596		mg/L		92	[0 - 1z4	1	14
3-Iso3ro3(ltolMene			0.0500	0.04[14		mg/L		94	66 - 1z0	1	1z
sec-) M(lbenyene			0.0500	0.0450[		mg/L		90	[0 - 1z5	1	14
St(rene			0.0500	0.05202		mg/L		104	[0 - 1z0	1	12
tert-) M(lbenyene			0.0500	0.04512		mg/L		90	[0 - 1z0	1	14
Tetrachloroethene			0.0500	0.046p0		mg/L		94	[0 - 1z0	1	1[
TolMene			0.0500	0.04[pz		mg/L		96	[0 - 1z0	1	1z
trans-1,2-Dichloroethene			0.0500	0.045z5		mg/L		91	[0 - 1z0	1	15
trans-1,z-Dichloro3ro3ene			0.0500	0.0500z		mg/L		100	6z - 142	1	1z
Trichloroethene			0.0500	0.04p1p		mg/L		96	[0 - 1z0	2	14
TrichlorovMbromethane			0.0500	0.04z4[		mg/L		p[	59 - 150	4	22
Xin(l chloride			0.0500	0.0490[		mg/L		9p	5[- 1z[	4	15
7 (lenes, Total			0.100	0.09[p1		mg/L		9p	[0 - 1z2	2	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 103*
4-mrof obluorozenTene (Surr)	*94*		*73 - 103*
Dizrof obluorof ethane (Surr)	*97*		*73 - 103*
8oluene-dB (Surr)	*130*		*73 - 103*

Lab Sample ID: 490-102566-1 MS
Matrix: Ground Water
Analysis Batch: 336309

Client Sample ID: W-39-MW-6
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	0.04[zz		mg/L		95	[0 - 1z1
1,1,1-Trichloroethane	ND		0.0500	0.04121		mg/L		p2	6p - 144
1,1,2,2-Tetrachloroethane	ND		0.0500	0.04p49		mg/L		9[	56 - 145
1,1,2-Trichloroethane	ND		0.0500	0.04[5z		mg/L		95	[0 - 1z0
1,1-Dichloroethane	ND		0.0500	0.04069		mg/L		p1	61 - 1z9
1,1-Dichloroethene	ND		0.0500	0.0z[40		mg/L		[5	54 - 150
1,1-Dichloro3ro3ene	ND		0.0500	0.0z9p5		mg/L		p0	54 - 150
1,2,z-Trichlorobenyene	ND		0.0500	0.0424z		mg/L		p5	z6 - 150
1,2,z-Trichloro3ro3ane	ND		0.0500	0.04542		mg/L		91	65 - 1z1
1,2,4-Trichlorobenyene	ND		0.0500	0.041zp		mg/L		pz	4[- 14[
1,2,4-Trimeth(lbenyene	ND		0.0500	0.04104		mg/L		p2	64 - 1z6
1,2-Dibromo-z-Chloro3ro3ane	ND		0.0500	0.04p29		mg/L		9[	zp - 1zp

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: 490-102566-1 MS
Matrix: Ground Water
Analysis Batch: 336309

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane EBD) u	ND		0.0500	0.04[9p		mg/L		96	65 - 1z[
1,2-Dichlorobenyene	ND		0.0500	0.04405		mg/L		pp	[0 - 1z0
1,2-Dichloroethane	ND		0.0500	0.040z5		mg/L		p1	64 - 1z6
1,2-Dichloro3ro3ane	ND		0.0500	0.04265		mg/L		p5	6[- 1z0
1,z,5-Trimeth(lbenyene	ND		0.0500	0.04205		mg/L		p4	69 - 1z9
1,z-Dichlorobenyene	ND		0.0500	0.042zp		mg/L		p5	6p - 1z1
1,z-Dichloro3ro3ane	ND		0.0500	0.046zp		mg/L		9z	[0 - 1z0
1,4-Dichlorobenyene	ND		0.0500	0.0422p		mg/L		p5	[0 - 1z0
2,2-Dichloro3ro3ane	ND		0.0500	0.04201		mg/L		p4	50 - 146
2-) Manone EK BHu	ND		0.250	0.2z62		mg/L		94	50 - 14z
2-ChlorotolMene	ND		0.0500	0.046[[		mg/L		94	6[- 1zp
2-x ef anone	ND		0.250	0.2[26		mg/L		109	44 - 150
4-ChlorotolMene	ND		0.0500	0.04101		mg/L		p2	69 - 1zp
4-K eth(l-2-3entanone EK I) Hu	ND		0.250	0.2p06		mg/L		112	50 - 140
Acetone	ND		0.250	0.2zpz		mg/L		94	z9 - 150
) enyene	ND		0.0500	0.0z929		mg/L		[9	55 - 14[
) romobenyene	ND		0.0500	0.04z4p		mg/L		p[	60 - 1zz
) romochloromethane	ND		0.0500	0.044[[		mg/L		90	59 - 1z2
) romodichloromethane	ND		0.0500	0.04[z2		mg/L		95	[0 - 140
) romovorm	ND		0.0500	0.05062	B	mg/L		101	5z - 150
) romomethane	ND		0.0500	0.04466		mg/L		p9	z0 - 150
Carbon disMvide	ND		0.0500	0.0zp96		mg/L		[p	z5 - 150
Carbon tetrachloride	ND		0.0500	0.042z[		mg/L		p5	56 - 150
Chlorobenyene	ND		0.0500	0.04550		mg/L		91	[0 - 1z0
Chlorodibromomethane	ND		0.0500	0.04p26		mg/L		9[	66 - 140
Chloroethane	ND		0.0500	0.04641		mg/L		9z	5p - 141
Chlorovorm	ND		0.0500	0.0404[		mg/L		p1	66 - 1zp
Chloromethane	ND		0.0500	0.042[6		mg/L		p6	10 - 150
cis-1,2-Dichloroethene	ND		0.0500	0.04102		mg/L		p2	6p - 1z1
cis-1,z-Dichloro3ro3ene	ND		0.0500	0.04669		mg/L		9z	[0 - 1zz
Dibromomethane	ND		0.0500	0.04551		mg/L		91	[0 - 1z0
DichlorodiMbromethane	ND		0.0500	0.0zz4z		mg/L		6[	10 - 150
Bth(lbenyene	ND		0.0500	0.042[1		mg/L		p5	65 - 1z9
x ef achlorobMadiene	ND		0.0500	0.0z154		mg/L		6z	61 - 141
Iso3ro3(lbenyene	ND		0.0500	0.0422p		mg/L		p5	[0 - 1z[
K eth(l tert-bM(l ether	ND		0.0500	0.04z29		mg/L		p[	55 - 141
K eth(lene Chloride	ND		0.0500	0.04z00		mg/L		p6	64 - 1z0
Na3hthalene	ND		0.0500	0.05124		mg/L		102	z2 - 150
n-) M(lbenyene	ND		0.0500	0.0zp40		mg/L		[[	61 - 141
N-Pro3(lbenyene	ND		0.0500	0.0401p		mg/L		p0	5z - 150
3-Iso3ro3(ltolMene	ND		0.0500	0.0z94p		mg/L		[9	66 - 1z[
sec-) M(lbenyene	ND		0.0500	0.0zp42		mg/L		[6	55 - 1z6
St(rene	ND		0.0500	0.0455z		mg/L		91	[0 - 1z0
tert-) M(lbenyene	ND		0.0500	0.0z9[1		mg/L		[9	[0 - 1zp
Tetrachloroethene	ND		0.0500	0.0415[		mg/L		pz	5[- 1zp
TolMene	ND		0.0500	0.04201		mg/L		p4	64 - 1z6
trans-1,2-Dichloroethene	ND		0.0500	0.0zp26		mg/L		[[	59 - 14z
trans-1,z-Dichloro3ro3ene	ND		0.0500	0.04z66		mg/L		p[	6z - 142

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: 490-102566-1 MS
Matrix: Ground Water
Analysis Batch: 336309

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		0.0500	0.04z2p		mg/L		p[	6z - 1z5
TrichlorovMbromethane	ND		0.0500	0.0zp24		mg/L		[6	44 - 150
Xin(l chloride	ND		0.0500	0.04024		mg/L		p0	5[- 150
7(lenes, Total	ND		0.100	0.0p6[0		mg/L		p[	69 - 1z2

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*B9*		*73 - 103*
4-mrof obuorozenTene (Surr)	*94*		*73 - 103*
Dizrof obuorof ethane (Surr)	*133*		*73 - 103*
8oluene-dB (Surr)	*131*		*73 - 103*

Lab Sample ID: 490-102566-1 MSD
Matrix: Ground Water
Analysis Batch: 336309

Client Sample ID: W-39-MW-6
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	0.04p4[		mg/L		9[	[0 - 1z1	2	16
1,1,1-Trichloroethane	ND		0.0500	0.041zz		mg/L		pz	6p - 144	0	1[
1,1,2,2-Tetrachloroethane	ND		0.0500	0.05140		mg/L		10z	56 - 145	6	19
1,1,2-Trichloroethane	ND		0.0500	0.0494[		mg/L		99	[0 - 1z0	4	1p
1,1-Dichloroethane	ND		0.0500	0.040[z		mg/L		p1	61 - 1z9	0	2z
1,1-Dichloroethene	ND		0.0500	0.04026		mg/L		p1	54 - 150	[	24
1,1-Dichloro3ro3ene	ND		0.0500	0.040[4		mg/L		p1	54 - 150	2	24
1,2,z-Trichlorobenyene	ND		0.0500	0.05491		mg/L		110	z6 - 150	26	4z
1,2,z-Trichloro3ro3ane	ND		0.0500	0.04655		mg/L		9z	65 - 1z1	2	19
1,2,4-Trichlorobenyene	ND		0.0500	0.04914		mg/L		9p	4[- 14[	1[	24
1,2,4-Trimeth(lbenyene	ND		0.0500	0.04156		mg/L		pz	64 - 1z6	1	1p
1,2-Dibromo-z-Chloro3ro3ane	ND		0.0500	0.0541[		mg/L		10p	zp - 1zp	11	26
1,2-Dibromoethane EBD) u	ND		0.0500	0.05005		mg/L		100	65 - 1z[	4	21
1,2-Dichlorobenyene	ND		0.0500	0.04540		mg/L		91	[0 - 1z0	z	15
1,2-Dichloroethane	ND		0.0500	0.04045		mg/L		p1	64 - 1z6	0	22
1,2-Dichloro3ro3ane	ND		0.0500	0.042pp		mg/L		p6	6[- 1z0	1	19
1,z,5-Trimeth(lbenyene	ND		0.0500	0.04z09		mg/L		p6	69 - 1z9	2	1[
1,z-Dichlorobenyene	ND		0.0500	0.04z[5		mg/L		p[	6p - 1z1	z	14
1,z-Dichloro3ro3ane	ND		0.0500	0.04[96		mg/L		96	[0 - 1z0	z	1[
1,4-Dichlorobenyene	ND		0.0500	0.04z[0		mg/L		p[	[0 - 1z0	z	14
2,2-Dichloro3ro3ane	ND		0.0500	0.04144		mg/L		pz	50 - 146	1	20
2-) Manone EK BHu	ND		0.250	0.2z94		mg/L		96	50 - 14z	1	2p
2-ChlorotolMene	ND		0.0500	0.04[10		mg/L		94	6[- 1zp	1	1[
2-x ef anone	ND		0.250	0.2p4p		mg/L		114	44 - 150	4	21
4-ChlorotolMene	ND		0.0500	0.041p5		mg/L		p4	69 - 1zp	2	15
4-K eth(l-2-3entanone EK I) Hu	ND		0.250	0.2924		mg/L		11[	50 - 140	4	24
Acetone	ND		0.250	0.24[2		mg/L		9[	z9 - 150	4	2p
) enyene	ND		0.0500	0.0z942		mg/L		[9	55 - 14[	0	22
) romobenyene	ND		0.0500	0.044z9		mg/L		p9	60 - 1zz	2	1p
) romochloromethane	ND		0.0500	0.0454[		mg/L		91	59 - 1z2	2	21
) romodichloromethane	ND		0.0500	0.04[95		mg/L		96	[0 - 140	1	196
) romovorm	ND		0.0500	0.052[z	B	mg/L		105	5z - 150	4	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: 490-102566-1 MSD
Matrix: Ground Water
Analysis Batch: 336309

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
) romomethane	ND		0.0500	0.045p9		mg/L		92	z0 - 150	z	44
Carbon disMvide	ND		0.0500	0.0z964		mg/L		[9	z5 - 150	2	z4
Carbon tetrachloride	ND		0.0500	0.042pz		mg/L		p6	56 - 150	1	1p
Chlorobenyene	ND		0.0500	0.04602		mg/L		92	[0 - 1z0	1	15
Chlorodibromomethane	ND		0.0500	0.0500p	B	mg/L		100	66 - 140	4	19
Chloroethane	ND		0.0500	0.04446		mg/L		p9	5p - 141	4	z1
Chlorovorm	ND		0.0500	0.04096		mg/L		p2	66 - 1zp	1	21
Chloromethane	ND		0.0500	0.04z06		mg/L		p6	10 - 150	1	4z
cis-1,2-Dichloroethene	ND		0.0500	0.0415p		mg/L		pz	6p - 1z1	1	21
cis-1,z-Dichloro3ro3ene	ND		0.0500	0.04[90		mg/L		96	[0 - 1zz	z	19
Dibromomethane	ND		0.0500	0.04[20		mg/L		94	[0 - 1z0	4	19
DichlorodivMbromethane	ND		0.0500	0.0zz29		mg/L		6[	10 - 150	0	50
Bth(lbenyene	ND		0.0500	0.042[p		mg/L		p6	65 - 1z9	0	1p
x ef achlorobMadiene	ND		0.0500	0.0z520		mg/L		[0	61 - 141	11	26
Iso3ro3(lbenyene	ND		0.0500	0.04290		mg/L		p6	[0 - 1z[	1	1[
K eth(l tert-bM(l ether	ND		0.0500	0.045[[		mg/L		92	55 - 141	6	24
K eth(lene Chloride	ND		0.0500	0.04406		mg/L		pp	64 - 1z0	2	22
Na3hthalene	ND		0.0500	0.06[56		mg/L		1z5	z2 - 150	2[	40
n-) M(lbenyene	ND		0.0500	0.0zp62		mg/L		[[	61 - 141	1	1[
N-Pro3(lbenyene	ND		0.0500	0.04096		mg/L		p2	5z - 150	2	1p
3-Iso3ro3(ltolMene	ND		0.0500	0.0402[		mg/L		p1	66 - 1z[	2	16
sec-) M(lbenyene	ND		0.0500	0.0z964		mg/L		[p	55 - 1z6	z	50
St(rene	ND		0.0500	0.04644		mg/L		9z	[0 - 1z0	2	16
tert-) M(lbenyene	ND		0.0500	0.0z999		mg/L		p0	[0 - 1zp	1	1[
Tetrachloroethene	ND		0.0500	0.041[5		mg/L		pz	5[- 1zp	0	1[
TolMene	ND		0.0500	0.04251		mg/L		p5	64 - 1z6	1	1p
trans-1,2-Dichloroethene	ND		0.0500	0.0z[9z		mg/L		[6	59 - 14z	1	25
trans-1,z-Dichloro3ro3ene	ND		0.0500	0.04491		mg/L		90	6z - 142	z	1p
Trichloroethene	ND		0.0500	0.04zzz		mg/L		p[	6z - 1z5	0	1[
TrichlorovMbromethane	ND		0.0500	0.0zp16		mg/L		[6	44 - 150	0	z2
Xin(l chloride	ND		0.0500	0.040p[		mg/L		p2	5[- 150	2	z[
7 (lenes, Total	ND		0.100	0.0pp15		mg/L		pp	69 - 1z2	2	1[

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 103*
4-mrof obluorozenTene (Surr)	*95*		*73 - 103*
Dizrof obluorof ethane (Surr)	*99*		*73 - 103*
8oluene-dB (Surr)	*130*		*73 - 103*

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

Lab Sample ID: MB 490-336594/1-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 336594

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acena3hthene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
Acena3hth(lene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: MB 490-336594/1-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 336594

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
) enyo]akanthracene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
) enyo]ak3(rene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
) enyo]bkMbranthene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
) enyo]g,h,ik3er(lene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
) enyo]FkMbranthene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
Chr(sene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
DibenyEa,huanthracene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
8IMbrene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
8IMbranthene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
Indeno]1,2,z-cdk3(rene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
Na3hthalene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
Phenanthrene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
P(rene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
1-K eth(lna3hthalene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1
2-K eth(lna3hthalene	ND		0.000100		mg/L		05/0z/16 10:0[	05/04/16 16:z9	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
8erphenyl-d14	*B7*		*10 - 123*	*35/30/16 13:37*	*35/34/16 16:09*	*1*
NitrozenTene-d5	*6B*		*27 - 123*	*35/30/16 13:37*	*35/34/16 16:09*	*1*
2-Fluoroziphenyl (Surr)	*B5*		*29 - 123*	*35/30/16 13:37*	*35/34/16 16:09*	*1*

Lab Sample ID: LCS 490-336594/2-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acena3hthene	0.00100	0.000p05p		mg/L		p1	46 - 120
Acena3hth(lene	0.00100	0.000[605		mg/L		[6	4p - 120
Anthracene	0.00100	0.000[1zz		mg/L		[1	5p - 1z0
) enyo]akanthracene	0.00100	0.000[z09		mg/L		[z	5[- 120
) enyo]ak3(rene	0.00100	0.000690[		mg/L		69	5[- 124
) enyo]bkMbranthene	0.00100	0.000[[z4		mg/L		[[	51 - 125
) enyo]g,h,ik3er(lene	0.00100	0.000[25z		mg/L		[z	51 - 12z
) enyo]FkMbranthene	0.00100	0.000[10z		mg/L		[1	51 - 120
Chr(sene	0.00100	0.000p2p5		mg/L		pz	55 - 120
DibenyEa,huanthracene	0.00100	0.00066z[		mg/L		66	50 - 125
8IMbrene	0.00100	0.000[[45		mg/L		[[	52 - 120
8IMbranthene	0.00100	0.000[1p[		mg/L		[2	56 - 120
Indeno]1,2,z-cdk3(rene	0.00100	0.0006[40		mg/L		6[	54 - 125
Na3hthalene	0.00100	0.000[6zp		mg/L		[6	z[- 120
Phenanthrene	0.00100	0.000[[54		mg/L		[p	56 - 120
P(rene	0.00100	0.000[[96		mg/L		[p	5z - 129
1-K eth(lna3hthalene	0.00100	0.000[102		mg/L		[1	z6 - 120
2-K eth(lna3hthalene	0.00100	0.000[2[0		mg/L		[z	z1 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCS 490-336594/2-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336594

Surrogate	LCS %Recovery	LCS Qualifier	Limits
8erphenyl-d14	79		10 - 123
NitrozenTene-d5	75		27 - 123
2-Fluoroziphenyl (Surr)	79		29 - 123

Lab Sample ID: MB 490-336856/1-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 336856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acena3hthene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Acena3hth(lene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Anthracene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
) enyo]akanthracene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
) enyo]ak3(rene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
) enyo]bkMbranthene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
) enyo]g,h,ik3er(lene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
) enyo]FkMbranthene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Chr(sene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
DibenyEa,huanthracene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
8IMbrene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
8IMbranthene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Indeno]1,2,z-cdK3(rene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Na3hthalene	0.0005p1p		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
Phenanthrene	0.000115p		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
P(rene	ND		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
1-K eth(lna3hthalene	0.00019z9		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1
2-K eth(lna3hthalene	0.000z[04		0.000100		mg/L		05/0z/16 1p:z0	05/04/16 1p:0[	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
8erphenyl-d14	BB		10 - 123	35/30/16 1B:03	35/34/16 1B:37	1
NitrozenTene-d5	73		27 - 123	35/30/16 1B:03	35/34/16 1B:37	1
2-Fluoroziphenyl (Surr)	B4		29 - 123	35/30/16 1B:03	35/34/16 1B:37	1

Lab Sample ID: LCS 490-336856/2-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acena3hthene	0.00100	0.0006p10		mg/L		6p	46 - 120
Acena3hth(lene	0.00100	0.0006405		mg/L		64	4p - 120
Anthracene	0.00100	0.0006191		mg/L		62	5p - 1z0
) enyo]akanthracene	0.00100	0.00065z9		mg/L		65	5[- 120
) enyo]ak3(rene	0.00100	0.0006050		mg/L		60	5[- 124
) enyo]bkMbranthene	0.00100	0.0006p95		mg/L		69	51 - 125
) enyo]g,h,ik3er(lene	0.00100	0.00062pp		mg/L		6z	51 - 12z
) enyo]FkMbranthene	0.00100	0.00065z4		mg/L		65	51 - 120
Chr(sene	0.00100	0.000[4[p		mg/L		[5	55 - 120
DibenyEa,huanthracene	0.00100	0.0005p61		mg/L		59	50 - 125

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCS 490-336856/2-A
Matrix: Water
Analysis Batch: 337213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
8IMbrene	0.00100	0.0006569		mg/L		66	52 - 120
8IMbranthene	0.00100	0.00062z2		mg/L		62	56 - 120
Indeno]1,2,z-cdK3(rene	0.00100	0.000594z		mg/L		59	54 - 125
Na3hthalene	0.00100	0.00062p9		mg/L		6z	z[- 120
Phenanthrene	0.00100	0.000666p		mg/L		6[	56 - 120
P(rene	0.00100	0.0006p25		mg/L		6p	5z - 129
1-K eth(lna3hthalene	0.00100	0.000601[		mg/L		60	z6 - 120
2-K eth(lna3hthalene	0.00100	0.00059pp		mg/L		60	z1 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
8erphenyl-d14	*76*		*10 - 123*
NitrozenTene-d5	*63*		*27 - 123*
2-Fluoroziphenyl (Surr)	*65*		*29 - 123*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-336275/1-A
Matrix: Water
Analysis Batch: 336769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 336275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
) ariMm	ND		0.0100		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
CadmiMm	ND		0.00100		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
ChromiMm	ND		0.00500		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
Lead	ND		0.00500		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
SeleniMm	ND		0.0100		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1
SilVer	ND		0.00500		mg/L		05/02/16 0p:5[	05/0z/16 12:41	1

Lab Sample ID: LCS 490-336275/2-A
Matrix: Water
Analysis Batch: 336769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0500	0.04[40		mg/L		95	p0 - 120
) ariMm	2.00	2.020		mg/L		101	p0 - 120
CadmiMm	0.0500	0.04960		mg/L		99	p0 - 120
ChromiMm	0.200	0.1951		mg/L		9p	p0 - 120
Lead	0.0500	0.05220		mg/L		104	p0 - 120
SeleniMm	0.0500	0.04690		mg/L		94	p0 - 120
SilVer	0.0500	0.04460		mg/L		p9	p0 - 120

Lab Sample ID: 490-102533-D-5-C MS
Matrix: Water
Analysis Batch: 336769

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 336275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.01pp		0.0500	0.06z[0		mg/L		90	[5 - 125

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: 490-102533-D-5-C MS
Matrix: Water
Analysis Batch: 336769

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 336275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
) ariMm	0.0269		2.00	1.996		mg/L		9p	[5 - 125
CadmiMm	ND		0.0500	0.04p10		mg/L		96	[5 - 125
ChromiMm	0.00[[0		0.200	0.1996		mg/L		96	[5 - 125
Lead	0.00510		0.0500	0.054p0		mg/L		99	[5 - 125
SeleniMm	ND	81	0.0500	0.02950	81	mg/L		59	[5 - 125
SilVer	ND		0.0500	0.04610		mg/L		92	[5 - 125

Lab Sample ID: 490-102533-D-5-D MSD
Matrix: Water
Analysis Batch: 336769

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 336275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.01pp		0.0500	0.06410		mg/L		91	[5 - 125	1	20
) ariMm	0.0269		2.00	2.001		mg/L		99	[5 - 125	0	20
CadmiMm	ND		0.0500	0.04p40		mg/L		9[	[5 - 125	1	20
ChromiMm	0.00[[0		0.200	0.199z		mg/L		96	[5 - 125	0	20
Lead	0.00510		0.0500	0.05520		mg/L		100	[5 - 125	1	20
SeleniMm	ND	81	0.0500	0.0z2[0	81	mg/L		65	[5 - 125	10	20
SilVer	ND		0.0500	0.046z0		mg/L		9z	[5 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-336248/1-A
Matrix: Water
Analysis Batch: 336556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 336248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K ercMr(	ND		0.000200		mg/L		05/02/16 06:42	05/02/16 14:59	1

Lab Sample ID: LCS 490-336248/2-A
Matrix: Water
Analysis Batch: 336556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 336248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
K ercMr(	0.00100	0.00096pz		mg/L		9[	p0 - 120

Lab Sample ID: 490-102566-1 MS
Matrix: Ground Water
Analysis Batch: 336556

Client Sample ID: W-39-MW-6
Prep Type: Total/NA
Prep Batch: 336248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
K ercMr(	ND		0.00100	0.001010		mg/L		90	[5 - 125

Lab Sample ID: 490-102566-1 MSD
Matrix: Ground Water
Analysis Batch: 336556

Client Sample ID: W-39-MW-6
Prep Type: Total/NA
Prep Batch: 336248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
K ercMr(	ND		0.00100	0.00104[		mg/L		9z	[5 - 125	4	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Method: D516-90, 02 - Sulfate

Lab Sample ID: MB 490-338475/1
Matrix: Water
Analysis Batch: 338475

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SMvate	ND		2.00		mg/L			05/0[/16 12:4[	1

Lab Sample ID: LCS 490-338475/2
Matrix: Water
Analysis Batch: 338475

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
SMvate			10.0	9.z96		mg/L		94	90 - 110		

Lab Sample ID: LCSD 490-338475/3
Matrix: Water
Analysis Batch: 338475

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
SMvate			10.0	9.2[6		mg/L		9z	90 - 110	1	10

Lab Sample ID: 490-102547-I-4 MS ^2
Matrix: Water
Analysis Batch: 338475

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		
SMvate	25.z		10.0	z6.40		mg/L		111	p0 - 120		

Lab Sample ID: 490-102547-I-4 MSD ^2
Matrix: Water
Analysis Batch: 338475

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
SMvate	25.z		10.0	z4.[2		mg/L		94	p0 - 120	5	20

Lab Sample ID: 490-102566-D-8 DU
Matrix: Ground Water
Analysis Batch: 338475

Client Sample ID: 490-102566-D-8 DU
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
SMvate	ND		ND		mg/L		NC	20

Lab Sample ID: MB 490-338479/1
Matrix: Water
Analysis Batch: 338479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SMvate	ND		2.00		mg/L			05/09/16 1p:49	1

Lab Sample ID: LCS 490-338479/2
Matrix: Water
Analysis Batch: 338479

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
SMvate			10.0	9.56z		mg/L		96	90 - 110		

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Lab Sample ID: LCSD 490-338479/3
Matrix: Water
Analysis Batch: 338479

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
SMvate			10.0	9.5z[		mg/L		95	90 - 110	0	10

Lab Sample ID: 490-102634-G-2 DU ^10
Matrix: Water
Analysis Batch: 338479

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
SMvate	z9.4			zp.69		mg/L				2	20

Lab Sample ID: MB 490-339463/4
Matrix: Water
Analysis Batch: 339463

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SMvate	ND		2.00		mg/L			05/12/16 09:14	1

Lab Sample ID: LCS 490-339463/5
Matrix: Water
Analysis Batch: 339463

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
SMvate			10.0	9.5[p		mg/L		96	90 - 110		

Lab Sample ID: LCSD 490-339463/6
Matrix: Water
Analysis Batch: 339463

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
SMvate			10.0	9.6[2		mg/L		9[	90 - 110	1	10

Lab Sample ID: 490-102469-D-1 MS
Matrix: Water
Analysis Batch: 339463

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		
SMvate	10.[		10.0	19.20		mg/L		p5	p0 - 120		

Lab Sample ID: 490-102469-D-1 MSD
Matrix: Water
Analysis Batch: 339463

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
SMvate	10.[		10.0	1p.[4		mg/L		p0	p0 - 120	2	20

Lab Sample ID: 460-113129-B-2 DU ^5
Matrix: Water
Analysis Batch: 339463

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
SMvate	140			151.[		mg/L				p	20

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 490-336413/4
Matrix: Water
Analysis Batch: 336413

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
AlFalinit(	ND		10.0		mg/L			05/02/16 11:09	1

Lab Sample ID: LCS 490-336413/5
Matrix: Water
Analysis Batch: 336413

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
AlFalinit(			100	95.62		mg/L		96	90 - 110		

Lab Sample ID: 490-102566-1 DU
Matrix: Ground Water
Analysis Batch: 336413

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
AlFalinit(	520			509.p		mg/L				2	20

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

Lab Sample ID: MB 490-334646/1
Matrix: Water
Analysis Batch: 334646

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			04/z0/16 14:20	1

Lab Sample ID: LCS 490-334646/2
Matrix: Water
Analysis Batch: 334646

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: 490-102562-A-1 DU
Matrix: Water
Analysis Batch: 334646

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total DissolVed Solids	51z			521.0		mg/L				2	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 490-336861/1
Matrix: Water
Analysis Batch: 336861

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			05/0z/16 1p:z9	1

QC Sample Results

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

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

Lab Sample ID: LCS 490-336861/2
Matrix: Water
Analysis Batch: 336861

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	9.995		mg/L		100	90 - 110		

Lab Sample ID: LCSD 490-336861/3
Matrix: Water
Analysis Batch: 336861

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	9.96z		mg/L		100	90 - 110	0	20

Lab Sample ID: 490-102566-1 MS
Matrix: Ground Water
Analysis Batch: 336861

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.p[		10.0	15.42		mg/L		105	[6 - 126		

Lab Sample ID: 490-102566-1 MSD
Matrix: Ground Water
Analysis Batch: 336861

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.p[		10.0	15.5z		mg/L		10[	[6 - 126	1	20

Lab Sample ID: 490-102566-1 DU
Matrix: Ground Water
Analysis Batch: 336861

Client Sample ID: W-39-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	4.p[			4.6[[		mg/L				4	20

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

GC/MS VOA

Analysis Batch: 336309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	8260B	
490-102566-1 MS	W-39-MW-6	Total/NA	Ground Water	8260B	
490-102566-1 MSD	W-39-MW-6	Total/NA	Ground Water	8260B	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	8260B	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	8260B	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	8260B	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	8260B	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	8260B	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	8260B	
490-102566-8	W-EB	Total/NA	Ground Water	8260B	
490-102566-9	W-FB	Total/NA	Ground Water	8260B	
490-102566-10	Trip Blanks	Total/NA	Ground Water	8260B	
LCS 490-336309/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-336309/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-336309/10	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 336594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	3510C	
LCS 490-336594/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-336594/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 336856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-2	W-41-MW-11	Total/NA	Ground Water	3510C	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	3510C	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	3510C	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	3510C	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	3510C	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	3510C	
LCS 490-336856/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-336856/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 337213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	8270C SIM	336594
490-102566-2	W-41-MW-11	Total/NA	Ground Water	8270C SIM	336856
490-102566-3	W-40-MW-22	Total/NA	Ground Water	8270C SIM	336856
490-102566-4	W-39-MW-26	Total/NA	Ground Water	8270C SIM	336856
490-102566-5	W-39-MW-21	Total/NA	Ground Water	8270C SIM	336856
490-102566-6	W-39-MW-23	Total/NA	Ground Water	8270C SIM	336856
490-102566-7	W-39-MW-19	Total/NA	Ground Water	8270C SIM	336856
LCS 490-336594/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	336594
LCS 490-336856/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	336856
MB 490-336594/1-A	Method Blank	Total/NA	Water	8270C SIM	336594
MB 490-336856/1-A	Method Blank	Total/NA	Water	8270C SIM	336856

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Metals

Prep Batch: 336248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	7470A	
490-102566-1 MS	W-39-MW-6	Total/NA	Ground Water	7470A	
490-102566-1 MSD	W-39-MW-6	Total/NA	Ground Water	7470A	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	7470A	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	7470A	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	7470A	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	7470A	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	7470A	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	7470A	
LCS 490-336248/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 490-336248/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 336275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102533-D-5-C MS	Matrix Spike	Total/NA	Water	3010A	
490-102533-D-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
490-102566-1	W-39-MW-6	Total/NA	Ground Water	3010A	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	3010A	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	3010A	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	3010A	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	3010A	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	3010A	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	3010A	
LCS 490-336275/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-336275/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 336556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	7470A	336248
490-102566-1 MS	W-39-MW-6	Total/NA	Ground Water	7470A	336248
490-102566-1 MSD	W-39-MW-6	Total/NA	Ground Water	7470A	336248
490-102566-2	W-41-MW-11	Total/NA	Ground Water	7470A	336248
490-102566-3	W-40-MW-22	Total/NA	Ground Water	7470A	336248
490-102566-4	W-39-MW-26	Total/NA	Ground Water	7470A	336248
490-102566-5	W-39-MW-21	Total/NA	Ground Water	7470A	336248
490-102566-6	W-39-MW-23	Total/NA	Ground Water	7470A	336248
490-102566-7	W-39-MW-19	Total/NA	Ground Water	7470A	336248
LCS 490-336248/2-A	Lab Control Sample	Total/NA	Water	7470A	336248
MB 490-336248/1-A	Method Blank	Total/NA	Water	7470A	336248

Analysis Batch: 336769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102533-D-5-C MS	Matrix Spike	Total/NA	Water	6010B	336275
490-102533-D-5-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	336275
490-102566-1	W-39-MW-6	Total/NA	Ground Water	6010B	336275
490-102566-2	W-41-MW-11	Total/NA	Ground Water	6010B	336275
490-102566-3	W-40-MW-22	Total/NA	Ground Water	6010B	336275
490-102566-4	W-39-MW-26	Total/NA	Ground Water	6010B	336275
490-102566-5	W-39-MW-21	Total/NA	Ground Water	6010B	336275
490-102566-6	W-39-MW-23	Total/NA	Ground Water	6010B	336275
490-102566-7	W-39-MW-19	Total/NA	Ground Water	6010B	336275

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Metals (Continued)

Analysis Batch: 336769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-336275/2-A	Lab Control Sample	Total/NA	Water	6010B	336275
MB 490-336275/1-A	Method Blank	Total/NA	Water	6010B	336275

General Chemistry

Analysis Batch: 334646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102562-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
490-102566-1	W-39-MW-6	Total/NA	Ground Water	SM 2540C	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	SM 2540C	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	SM 2540C	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	SM 2540C	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	SM 2540C	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	SM 2540C	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	SM 2540C	
LCS 490-334646/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 490-334646/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 336413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	SM 2320B	
490-102566-1 DU	W-39-MW-6	Total/NA	Ground Water	SM 2320B	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	SM 2320B	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	SM 2320B	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	SM 2320B	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	SM 2320B	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	SM 2320B	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	SM 2320B	
LCS 490-336413/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 490-336413/4	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 336861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-1	W-39-MW-6	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-1 DU	W-39-MW-6	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-1 MS	W-39-MW-6	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-1 MSD	W-39-MW-6	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-3	W-40-MW-22	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	SM 4500 Cl- E	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	SM 4500 Cl- E	
LCS 490-336861/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 490-336861/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
MB 490-336861/1	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 338475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102547-I-4 MS ^2	Matrix Spike	Total/NA	Water	D516-90, 02	

QC Association Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

General Chemistry (Continued)

Analysis Batch: 338475 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102547-I-4 MSD ^2	Matrix Spike Duplicate	Total/NA	Water	D516-90, 02	
490-102566-1	W-39-MW-6	Total/NA	Ground Water	D516-90, 02	
490-102566-4	W-39-MW-26	Total/NA	Ground Water	D516-90, 02	
490-102566-5	W-39-MW-21	Total/NA	Ground Water	D516-90, 02	
490-102566-6	W-39-MW-23	Total/NA	Ground Water	D516-90, 02	
490-102566-7	W-39-MW-19	Total/NA	Ground Water	D516-90, 02	
490-102566-D-8 DU	490-102566-D-8 DU	Total/NA	Ground Water	D516-90, 02	
LCS 490-338475/2	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCSD 490-338475/3	Lab Control Sample Dup	Total/NA	Water	D516-90, 02	
MB 490-338475/1	Method Blank	Total/NA	Water	D516-90, 02	

Analysis Batch: 338479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-102566-3	W-40-MW-22	Total/NA	Ground Water	D516-90, 02	
490-102634-G-2 DU ^10	Duplicate	Total/NA	Water	D516-90, 02	
LCS 490-338479/2	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCSD 490-338479/3	Lab Control Sample Dup	Total/NA	Water	D516-90, 02	
MB 490-338479/1	Method Blank	Total/NA	Water	D516-90, 02	

Analysis Batch: 339463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-113129-B-2 DU ^5	Duplicate	Total/NA	Water	D516-90, 02	
490-102469-D-1 MS	Matrix Spike	Total/NA	Water	D516-90, 02	
490-102469-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	D516-90, 02	
490-102566-2	W-41-MW-11	Total/NA	Ground Water	D516-90, 02	
LCS 490-339463/5	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCSD 490-339463/6	Lab Control Sample Dup	Total/NA	Water	D516-90, 02	
MB 490-339463/4	Method Blank	Total/NA	Water	D516-90, 02	

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-6

Date Collected: 04/26/16 14:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-1
Matrix: Ground 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	336309	05/02/16 16:49	A1B	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	336594	05/03/16 10:07	MRM	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	337213	05/04/16 17:23	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:23	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:04	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		1	10 mL	10 mL	338475	05/07/16 12:47	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 11:23	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-41-MW-11

Date Collected: 04/27/16 08:25
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-2
Matrix: Ground 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	336309	05/02/16 19:09	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 18:51	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:27	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:11	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		5	10 mL	10 mL	339463	05/12/16 09:14	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 11:36	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		10	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-40-MW-22

Date Collected: 04/27/16 10:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-3
Matrix: Ground 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	336309	05/02/16 17:17	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 19:13	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:32	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:13	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	338479	05/09/16 18:53	MSJ	TAL NSH

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-40-MW-22

Date Collected: 04/27/16 10:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 11:42	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-39-MW-26

Date Collected: 04/27/16 14:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-4
Matrix: Ground 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	336309	05/02/16 19:37	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 19:36	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:36	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:16	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		5	10 mL	10 mL	338475	05/07/16 12:47	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 11:49	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-39-MW-21

Date Collected: 04/27/16 13:45
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-5
Matrix: Ground 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	336309	05/02/16 17:45	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 19:58	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:40	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:23	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	338475	05/07/16 12:47	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 11:56	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: W-39-MW-23

Date Collected: 04/27/16 15:10
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-6
Matrix: Ground 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		5	10 mL	10 mL	336309	05/02/16 18:41	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 20:20	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:45	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:25	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		2	10 mL	10 mL	338475	05/07/16 12:47	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 12:03	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-39-MW-19

Date Collected: 04/27/16 16:15
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-7
Matrix: Ground 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	336309	05/02/16 18:13	A1B	TAL NSH
Total/NA	Prep	3510C			1065 mL	1 mL	336856	05/03/16 18:30	AJK	TAL NSH
Total/NA	Analysis	8270C SIM		1	1065 mL	1 mL	337213	05/04/16 20:42	RP	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	336275	05/02/16 08:57	KMS	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	336769	05/03/16 14:49	ADN	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	336248	05/02/16 06:42	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	336556	05/02/16 15:27	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		5	10 mL	10 mL	338475	05/07/16 12:47	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	336413	05/02/16 12:09	BMC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	334646	04/30/16 14:20	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	336861	05/03/16 18:39	MSJ	TAL NSH

Client Sample ID: W-EB

Date Collected: 04/27/16 16:50
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-8
Matrix: Ground 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	336309	05/02/16 15:53	A1B	TAL NSH

Client Sample ID: W-FB

Date Collected: 04/27/16 17:00
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-9
Matrix: Ground 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	336309	05/02/16 16:21	A1B	TAL NSH

Lab Chronicle

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-102566-1

Client Sample ID: Trip Blanks
Date Collected: 04/27/16 01:01
Date Received: 04/29/16 10:00

Lab Sample ID: 490-102566-10
Matrix: Ground 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	336309	05/02/16 15:25	A1B	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: 490-102566-1

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: 490-102566-1

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	12-31-16
A2LA	ISO/IEC 17025		0453.07	12-31-17
Alaska (UST)	State Program	10	UST-087	07-24-16
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	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200010	12-09-16
Iowa	State Program	7	131	04-01-18
Kansas	NELAP	7	E-10229	07-31-16 *
Kentucky (UST)	State Program	4	19	06-30-16
Kentucky (WW)	State Program	4	90038	12-31-16
Louisiana	NELAP	6	30613	06-30-16
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-17
Massachusetts	State Program	1	M-TN032	06-30-16
Minnesota	NELAP	5	047-999-345	12-31-16
Mississippi	State Program	4	N/A	06-30-16
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-16
New Hampshire	NELAP	1	2963	10-09-16
New Jersey	NELAP	2	TN965	06-30-16
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	06-30-16
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-16
Oregon	NELAP	10	TN200001	04-27-16 *
Pennsylvania	NELAP	3	68-00585	06-30-16
Rhode Island	State Program	1	LAO00268	12-30-15 *
South Carolina	State Program	4	84009 (001)	02-28-16 *
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	08-31-16
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-16
Virginia	NELAP	3	460152	06-14-16
Washington	State Program	10	C789	07-19-16
West Virginia DEP	State Program	3	219	02-28-17
Wisconsin	State Program	5	998020430	08-31-16
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

490-102566-01 Chain of Custody

Cooler Received/Opened On 4/29/2016 @ 1000

Time Samples Removed From Cooler 1330 Time Samples Placed In Storage 1445 (2 Hour Window)

1. Tracking # 7307 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17960357 pH Strip Lot HC573149 Chlorine Strip Lot 1211515B

2. Temperature of rep. sample or temp blank when opened: 3.7 *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

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) MB

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) MMB

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) MMB

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) MMB

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

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
102566

COOLER RECEIPT FORM

Cooler Received/Opened On 4/29/2016 @ 1000

Time Samples Removed From Cooler 1330 Time Samples Placed In Storage 1445 (2 Hour Window)

1. Tracking # 4318 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 18290455 pH Strip Lot HC573149 Chlorine Strip Lot 1211515B

2. Temperature of rep. sample or temp blank when opened: 0.3 *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? (YES)..NO...NA

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

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) MBM

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) MBM

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) MBM

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

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
102566

COOLER RECEIPT FORM

Cooler Received/Opened On 4/29/2016 @ 1000

Time Samples Removed From Cooler 1330 Time Samples Placed In Storage 1445 (2 Hour Window)

1. Tracking # 4292 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 18290455 pH Strip Lot HC573149 Chlorine Strip Lot 1211515B

2. Temperature of rep. sample or temp blank when opened: 3.1 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

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) MSM

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) MMB

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) MMB

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) MMB

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

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
102566

COOLER RECEIPT FORM

Cooler Received/Opened On 4/29/2016 @ 1000

Time Samples Removed From Cooler 1330 Time Samples Placed In Storage 1445 (2 Hour Window)

1. Tracking # 4281 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17960358 pH Strip Lot HC573149 Chlorine Strip Lot 1211515B

2. Temperature of rep. sample or temp blank when opened: 1.3 *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: 1 on Front 1 on Side

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) JAB

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) MNB

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) MNB

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) MNB

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

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

Loc: 490
102566

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 ERI	**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):	Ali Alibhai	**Site City, State, Zip:**	Tatum, New Mexico 88267
Sampler Signature:	[signature]	**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): DI Water	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
W-39-MW-6	MW-6	4.26.16	1400	9	X					X				X	X		X	X						X	X	X	X	X	X	X	X							X	
W-41-MW-11	MW-11	4.27.16	0825	9	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-40-MW-22	MW-22	↓	1000	↓	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-39-MW-26	MW-26	↓	1150	↓	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-39-MW-21	MW-21	↓	1345	↓	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-39-MW-23	MW-23	↓	1510	↓	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-39-MW-19	MW-19	↓	1615	↓	↓					↓				↓	↓		↓	↓						↓	X	X	X	X	X	X	X							X	
W-EB	QCEB	↓	1650	↓	↓					↓				↓	↓		↓	↓						↓						X								X	
W-FB	QCFB	↓	1700	↓	↓					↓				↓	↓		↓	↓						↓						X								X	
Trip Blanks	QCTB	—	—	X	X					X														X						X								X	

Comments/Special Instructions:

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

Laboratory Comments:
Temperature Upon Receipt: 0.3, 3.1, ~~X~~ 1.3, 4.7 (initialed 4/29/16)
Sample Containers Intact? (Y) N
VOA Vials Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	4.28.16	0830	FedEx	4.28.16	0830
Relinquished by: FedEx			**Received by (Lab personnel):** [signature]	4/29/16	0800

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

Page 63 of 64

5/17/2016

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 490-102566-1

Login Number: 102566

List Number: 1

Creator: Ramos, Martina M

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	
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.	N/A	

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: 490-105426-1
Client Project/Site: Gladiola Station

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

Attn: Dave Purdy

Authorized for release by:
6/10/2016 2:21:23 PM

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

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-105426-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-105426-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-105426-1	N-38-NW-14 (From MW-14)	Water	04/28/16 11:05	06/10/16 13:52
490-105426-2	N-37-NW-24 (From MW-24)	Water	04/28/16 11:20	06/10/16 13:52
490-105426-3	N-38-NW-13 (From MW-13)	Water	04/28/16 11:35	06/10/16 13:52

Definitions/Glossary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-105426-1

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)

Method Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-105426-1

Method	Method Description	Protocol	Laboratory
D-4052 Density	Density	NONE	SC0132
D-445.b Viscosity, Kinematic	Viscosity cSt	NONE	SC0132
D-7753 Hydrocarbon Types	General Sub Contract Method	NONE	SC0132
D-971 Interfacial Tension	Interfacial Tension	NONE	SC0132

Protocol References:

NONE = NONE

Laboratory References:

SC0132 = Texas Oil Tech Laboratories, Inc, 10630 Fallstone Drive, Houston, TX 77099, TEL (281)495-2400

Certification Summary

Client: Cardno, Inc
Project/Site: Gladiola Station

TestAmerica Job ID: 490-105426-1

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	07-24-16 *
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	06-30-16 *
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	07-31-16 *
Kentucky (UST)	State Program	4	19	06-30-16 *
Kentucky (WW)	State Program	4	90038	12-31-16
Louisiana	NELAP	6	30613	06-30-16 *
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-17
Massachusetts	State Program	1	M-TN032	06-30-16 *
Minnesota	NELAP	5	047-999-345	12-31-16
Mississippi	State Program	4	N/A	06-30-16 *
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-16
New Hampshire	NELAP	1	2963	10-09-16
New Jersey	NELAP	2	TN965	06-30-16 *
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	06-30-16 *
Ohio VAP	State Program	5	CL0033	07-10-17
Oklahoma	State Program	6	9412	08-31-16
Oregon	NELAP	10	TN200001	04-27-17
Pennsylvania	NELAP	3	68-00585	06-30-16 *
Rhode Island	State Program	1	LAO00268	12-30-15 *
South Carolina	State Program	4	84009 (001)	02-28-16 *
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	08-31-16
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-16
Virginia	NELAP	3	460152	06-14-17
Washington	State Program	10	C789	07-19-16 *
West Virginia DEP	State Program	3	219	02-28-17
Wisconsin	State Program	5	998020430	08-31-16
Wyoming (UST)	A2LA	8	453.07	12-31-17

* Certification renewal pending - certification considered valid.

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274
TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	TestAmerica Laboratories, Inc.	**REQUESTED BY:**	Ms. Heather Wagner
CLIENT PROJECT:	01361122015, Gladiola Station	**PURCHASE ORDER NO:**	PENDING
LABORATORY NO:	81632-001	**REPORT DATE:**	June 01, 2016
SAMPLE:	N - 38 - NW - 14 (From MW-14)		

TEST **RESULT**

Parameter	***Results***
Interfacial Tension of Oil against Water by the Ring Method, ASTM D 971, dynes/cm	20.4
Density and Relative Density of Liquids by Digital Density Meter, Density, ASTM D 4052, g/cm³ @20ºC	0.8244
Viscosity, Kinematic, at 100°C, cSt, ASTM D 445.b, cSt	1.10

Organic Composition Breakdown by GC-MS, ASTM D 5739.b

The sample was analyzed on a gas chromatograph/ mass spectrometer. A library search was performed on the collected data using the Wiley 138 Library and the NIST 98 Library. Together the libraries contain approximately 200,000 compounds.

The sample was analyzed as received on the GC/MS. These data are based on the chromatographable components found. If heavier compounds or polymers are present these were not seen on the gas chromatograph/mass spectrometer. No corrections for the inorganic content or water have been performed. The identities and approximate concentrations that follow are based on the best spectral comparisons from our libraries and the total ion relative areas of the peaks observed.

The organic material found in this sample is crude oil.

Overall the material has a carbon distribution range from C_4 to C_{39} with the apex at C_7.

The approximate concentration and organic chemical types are as follows:

CHEMICALS FOUND	**Approximate Concentration Percent by Weight**
n-paraffins	10.3
iso-paraffins	38.7
cyclic-paraffins	30.9
aromatics	20.1
Total	100.0

Respectfully submitted
For Texas OilTech Laboratories, L.P.

A. Phillip Sorurbakhsh
Director of Laboratory Operations

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274
TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	TestAmerica Laboratories, Inc.	**REQUESTED BY:**	Ms. Heather Wagner
CLIENT PROJECT:	01361122015, Gladiola Station	**PURCHASE ORDER NO:**	PENDING
LABORATORY NO:	81632-002	**REPORT DATE:**	June 01, 2016
SAMPLE:	N - 37 - NW - 24 (From MW-24)		

TEST **RESULT**

Parameter	***Results***
Interfacial Tension of Oil against Water by the Ring Method, ASTM D 971, dynes/cm	21.6
Density and Relative Density of Liquids by Digital Density Meter, Density, ASTM D 4052, g/cm³ @20ºC	0.8176
Viscosity, Kinematic, at 100°C, cSt, ASTM D 445.b, cSt	0.96

Organic Composition Breakdown by GC-MS, ASTM D 5739.b

The sample was analyzed on a gas chromatograph/ mass spectrometer. A library search was performed on the collected data using the Wiley 138 Library and the NIST 98 Library. Together the libraries contain approximately 200,000 compounds.

The sample was analyzed as received on the GC/MS. These data are based on the chromatographable components found. If heavier compounds or polymers are present these were not seen on the gas chromatograph/mass spectrometer. No corrections for the inorganic content or water have been performed. The identities and approximate concentrations that follow are based on the best spectral comparisons from our libraries and the total ion relative areas of the peaks observed.

The organic material found in this sample is crude oil.

Overall the material has a carbon distribution range from C_4 to C_{40} with the apex at C_7.

The approximate concentration and organic chemical types are as follows:

CHEMICALS FOUND	**Approximate Concentration Percent by Weight**
n-paraffins	20.0
iso-paraffins	36.7
cyclic-paraffins	25.3
aromatics	18.0
Total	100.0

Respectfully submitted
For Texas OilTech Laboratories, L.P.

A. Phillip Sorurbakhsh
Director of Laboratory Operations

Certificate of Analysis

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274
TEL: (281) 495-2400
FAX: (281) 495-2410

CLIENT:	TestAmerica Laboratories, Inc.	**REQUESTED BY:**	Ms. Heather Wagner
CLIENT PROJECT:	01361122015, Gladiola Station	**PURCHASE ORDER NO:**	PENDING
LABORATORY NO:	81632-003	**REPORT DATE:**	June 01, 2016
SAMPLE:	N - 38 - NW - 13 (From MW-13)		

TEST **RESULT**

Parameter	***Results***
Interfacial Tension of Oil against Water by the Ring Method, ASTM D 971, dynes/cm	20.9
Density and Relative Density of Liquids by Digital Density Meter, Density, ASTM D 4052, g/cm³ @20ºC	0.8226
Viscosity, Kinematic, at 100°C, cSt, ASTM D 445.b, cSt	1.03

Organic Composition Breakdown by GC-MS, ASTM D 5739.b

The sample was analyzed on a gas chromatograph/ mass spectrometer. A library search was performed on the collected data using the Wiley 138 Library and the NIST 98 Library. Together the libraries contain approximately 200,000 compounds.

The sample was analyzed as received on the GC/MS. These data are based on the chromatographable components found. If heavier compounds or polymers are present these were not seen on the gas chromatograph/mass spectrometer. No corrections for the inorganic content or water have been performed. The identities and approximate concentrations that follow are based on the best spectral comparisons from our libraries and the total ion relative areas of the peaks observed.

The organic material found in this sample is crude oil.

Overall the material has a carbon distribution range from C_4 to C_{40} with the apex at C_7.

The approximate concentration and organic chemical types are as follows:

CHEMICALS FOUND	**Approximate Concentration Percent by Weight**
n-paraffins	14.6
iso-paraffins	35.7
cyclic-paraffins	30.0
aromatics	19.7
Total	100.0

Respectfully submitted
For Texas OilTech Laboratories, L.P.

A. Phillip Sorurbakhsh
Director of Laboratory Operations

Cert. No.: 0005085, 17025
Quality Management System Certified to ISO 9001:2008, and ISO 17025:2005

SINCE 1985
Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274
TEL: (281) 495-2400
FAX: (281) 495-2410
www.tol-lp.com

CHAIN OF CUSTODY

Date 2016/05/02

Lab Number 81632

CONTACT NAME: Ms. Heather Wagner
COMPANY: TestAmerica Laboratories, Inc.
ADDRESS: 2960 Foster Creighton Drive
Nashville, Tennessee (TN) 37204
United States of America
E-MAIL: Heather.Wagner@testamericainc.com

01361122015, Gladiola Station
PROJECT NAME

PURCHASE ORDER

PHONE: 615.301.5035
FAX: 615.726.3404

Sample No. Identification	Date MM DD YYYY	Time HH:MM	Lab Sample Number	SAMPLE TYPE (Matrix)	No. of Containers	TESTS: ASTM D 971 Interfacial Tension of Oil against Water by the Ring Met	ASTM D 4052 Density and Relative Density of Liquids by Digital Dens	ASTM D 445 b Viscosity, Kinematic, at 100°C, cSt	ASTM D 7753 Hydrocarbon Types and Benzene in Light Petroleum Distil					REMARKS
N - 38 - NW - 14 (From MW-14)	04/28/2016	11:05	1	Liquid	1	✓	✓	✓	✓					
N - 37 - NW - 24 (From MW-24)	04/28/2016	11:20	2	Liquid	1	✓	✓	✓	✓					
N - 38 - NW - 13 (From MW-13)	04/28/2016	11:35	3	Liquid	1	✓	✓	✓	✓					

Relinquished by: (Print)	Relinquished by: (Signature)	Date	Time	

Received for Laboratory by: (Print)	Received by: (Signature)	Date RECEIVED	Time
Raul Frattini		2016/05/02	12:24

Method of Shipment:

Special Instructions:

SAMPLE DISPOSITION:
1. Storage time requested: _____ days
(Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.)
2. Samples to be returned to client: ○ Y ● N

2007/09/20

APPENDIX C
WASTE DOCUMENTATION

ALAMO1

BILL OF LADING # AR16-01166

GENERATOR

GENERATOR NAME AND ADDRESS	GENERATOR SITE ADDRESS
ExxonMobil Oil ~~Company~~ Corporation ***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
Water	1	***DM***		
Sampling Waste (plastics, etc...)	1	DM		

GENERATOR AUTHORIZED AGENT NAME: Ali Alibhai for ExxonMobil Oil Corporation

SIGNATURE: Ali Alibhai

DATE: 4-29-16

TRANSPORTER

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

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

DRIVER NAME

VEHICLE LICENSE NO.

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
Louis Nunez		
DRIVER PRINT NAME	DRIVERS SIGNATURE	DATE

DESTINATION

SITE NAME	PHONE
Sundance Services, Inc.	***575-390-0942*** (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

Sundance Services, Inc.
P.O. Box 1737
Eunice, NM 88231
575-394-2511

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

Permit # NM-01-0003

DESTINATION AGENT - PRINT	SIGNATURE	DATE
Stephanie Baker		4-29-16

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: 409537
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	First and Second Quarter 2016 Semi-Annual Groundwater Monitoring Report for Gladiola Station has been accepted for the record. App ID: 409537	12/16/2024