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February 8, 2016
Cardno 01361204.2015

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Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

SUBJECT **2015 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 *2015 Annual Groundwater Monitoring Report* for the above-referenced site. The format utilized 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

2015 Annual Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

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Prepared for
ExxonMobil Environmental Services Company

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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 annual groundwater monitoring report for the above-referenced site (Plate 1). In August 2015, Cardno assumed environmental consulting services for this site. This report documents the results of the groundwater monitoring event conducted in December 2015. 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 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 (°) and longitude -103.111117° 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 below:

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 35 to 43 feet bgs. The site is not within 1,000 feet of a wellhead protection area, and surface water is more than 1,000 feet from the site, giving the site a ranking criteria score of 20 as summarized below (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 following analytical parameters:

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 more detailed information regarding these investigations, refer to the documents listed in the reference section. Cumulative groundwater analytical results are summarized in Tables 1 through 3 and Appendix A.

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*. (AECOM, 2014)

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 December 7 through 9, 2015. 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 December 7, 2015, 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 5.50 feet measured in well MW-24. Approximately 30 gallons of NAPL were hand-bailed from the wells.

Measured groundwater levels in the wells ranged from 35.39 feet below TOC in well MW-3 to 42.51 feet below TOC in well MW-24. The apparent groundwater flow direction was generally to the northeast at a calculated flat gradient.

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 December 8 and 9, 2015, 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 Cl-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 B. The laboratory analytical report is included in Appendix C.

6.3 NAPL Bailing

On December 7, 2015, Cardno conducted NAPL bailing on wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-24 and MW-25 using disposable Teflon® bailers. Approximately 30 gallons of NAPL were removed. NAPL thickness and individual removal volumes are presented in Table 4.

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 D.

7 Results

Groundwater analytical results for the December 2015 groundwater sampling event were compared to NMWQCC regulatory limits as shown in Tables 1 through 3. A map showing the extent of NAPL encountered at the site is presented as Plate 4. Groundwater concentrations for BTEX and total naphthalene are presented on Plate 5.

The benzene concentrations in wells MW-21 and MW-23, and the chloride and TDS concentrations in well MW-11 were in excess of the NMWQCC standard. No other constituent-of-concern concentrations were reported in excess of NMWQCC standards. Approximately 30 gallons of NAPL were recovered via hand bailing in 2015.

8 Event Summary and Recommendations

Based on the results of the groundwater sampling events and product removal in 2015, the following conclusions were made:

- Measured groundwater levels in the wells ranged from 35.39 feet below TOC in well MW-3 to 42.51 feet below TOC in well MW-24, measured on December 7, 2015.
- 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 5.50 feet measured in well MW-24.
- Approximately 30 gallons of NAPL were hand-bailed from the monitoring wells.
- The apparent groundwater flow direction was generally to the northeast at a calculated flat gradient.
- In the sampled monitoring wells, the benzene concentrations in wells MW-21 and MW-23 were in excess of the NMWQCC standard. No other COC concentrations were reported in excess of NMWQCC standards.

Cardno recommends resuming semiannual groundwater monitoring events in 2016. In addition, Cardno requests a meeting with the agency to discuss a pathway to closure for the site.

9 Contact Information

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

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

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

10 Limitations

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

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

11 References

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

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

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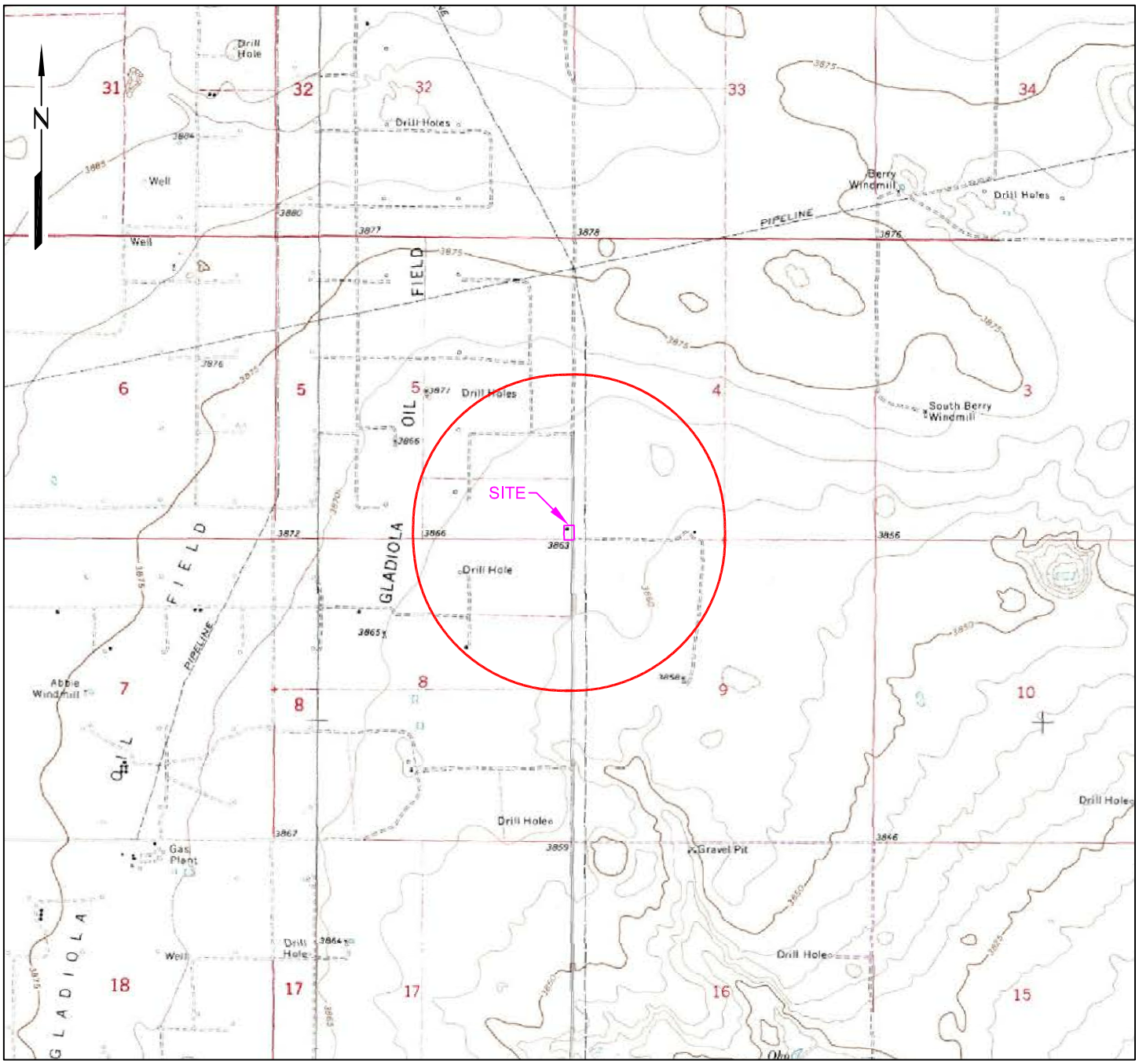
Groundwater & Environmental Services, Inc. (GES). February 28, 2013. *Annual Groundwater Monitoring Report*, Gladiola Station, Lea County, Tatum, New Mexico.

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

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

12 Acronym List

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



FN 3612.TOPO01

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

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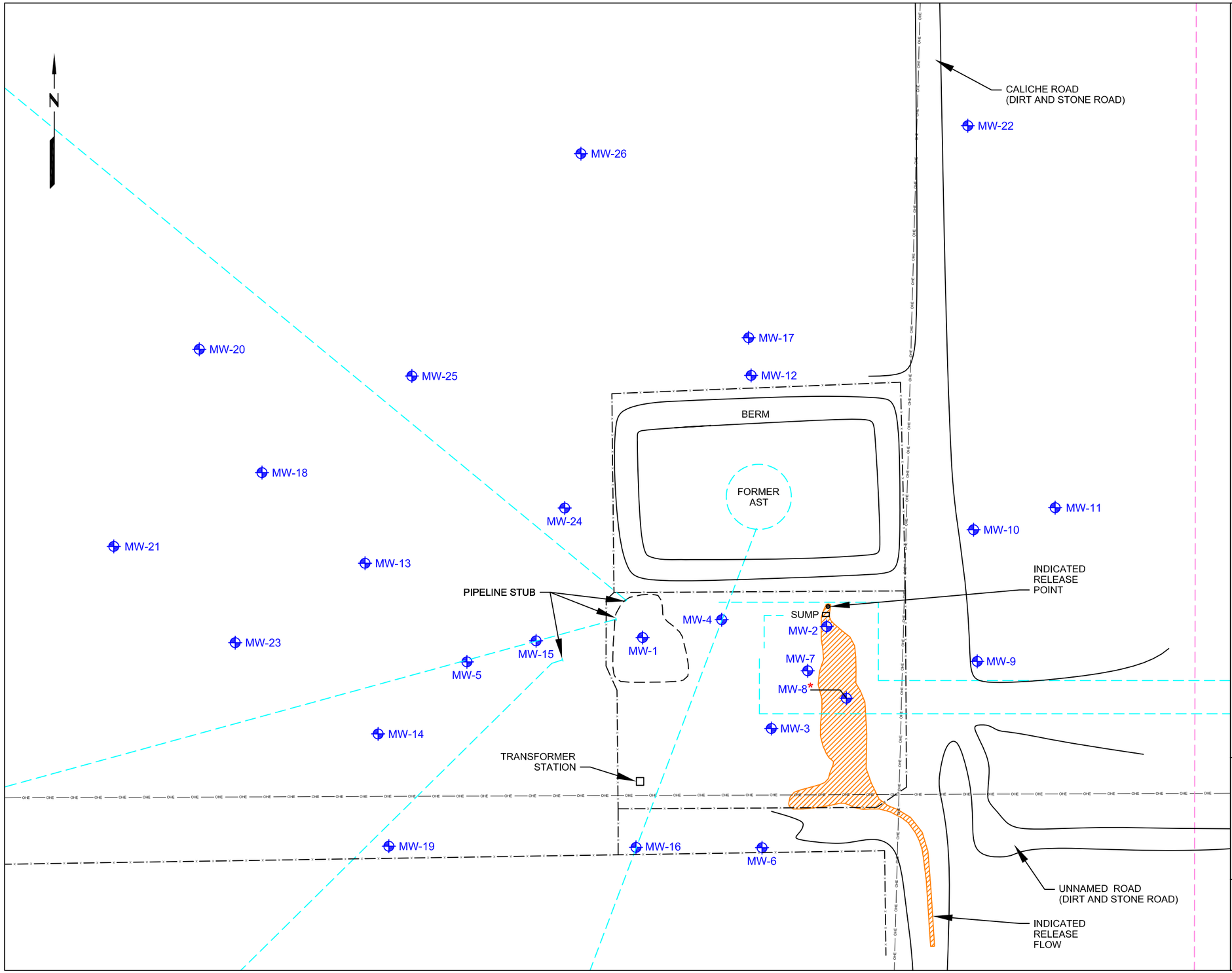
SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO. 3612

PLATE 1



EXPLANATION

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

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

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GENERALIZED SITE PLAN

GLADIOLA STATION
Lea County, New Mexico

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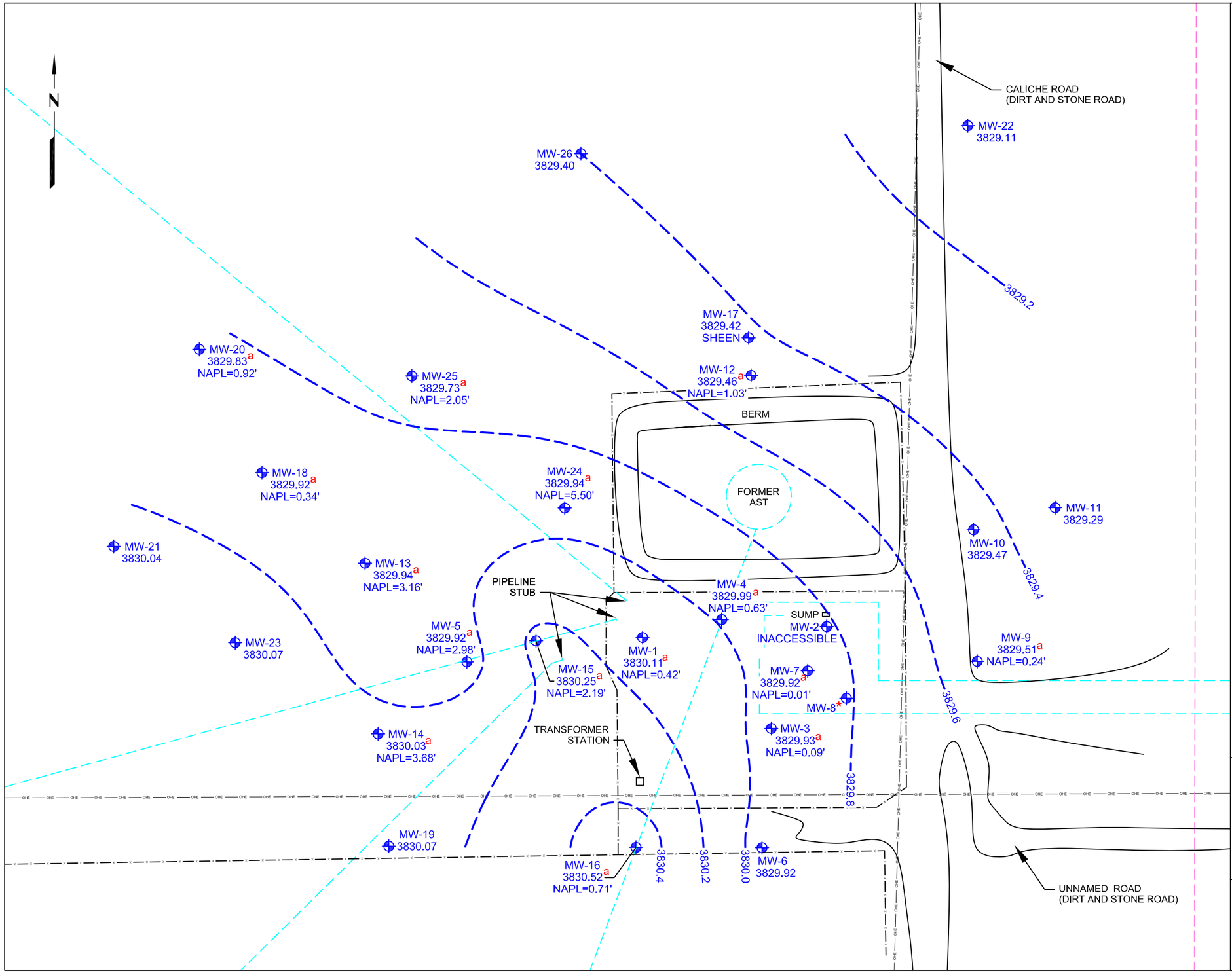
PROJECT NO. 3612

PLATE 2

DATE: 01/22/16



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=5.50' — Non-aqueous phase liquid thickness in feet
- Line of equal groundwater elevation
- 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 12/07/15

GLADIOLA STATION
Lea County, New Mexico

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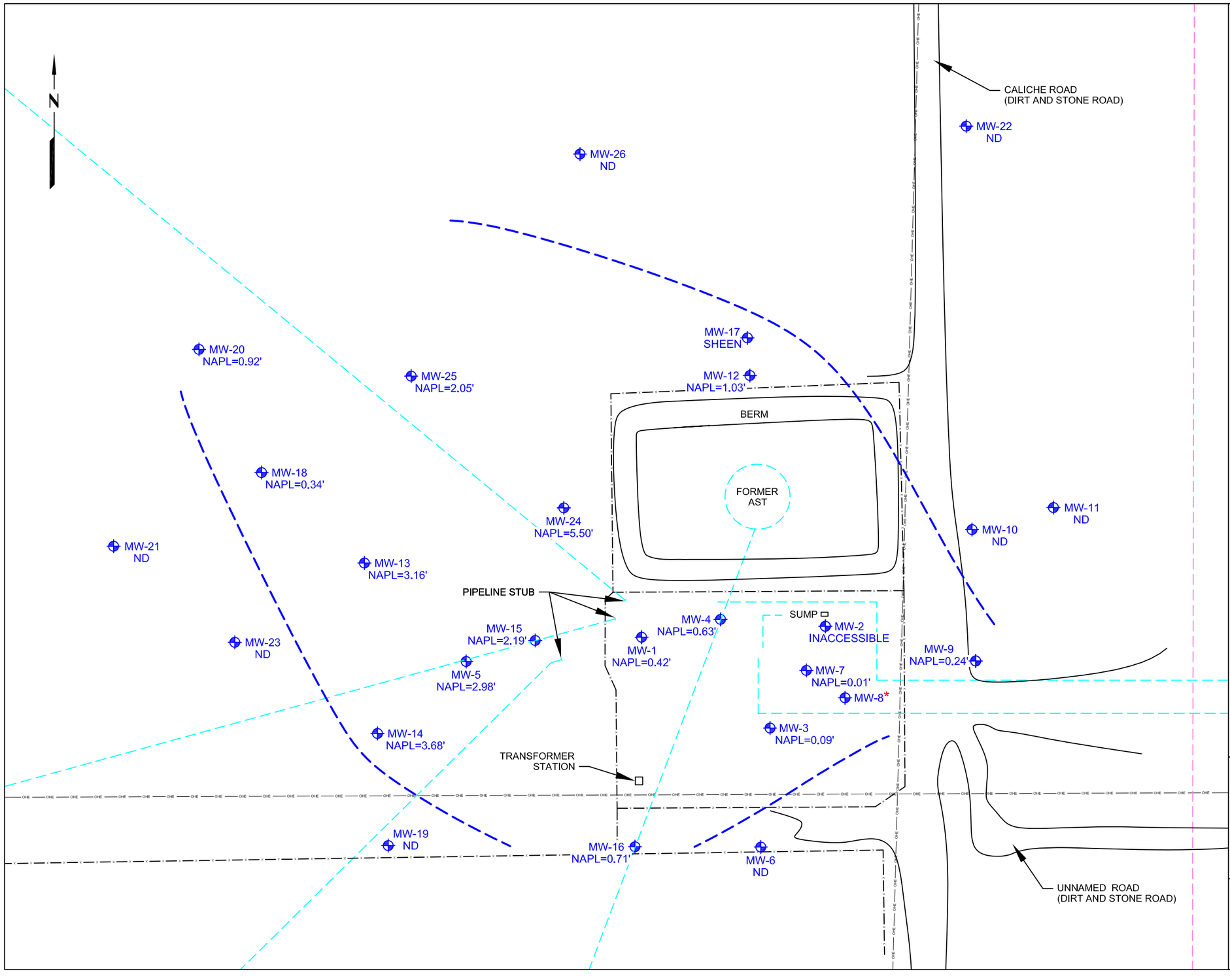
PLATE 3

DATE: 01/22/16



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=5.50'	Non-aqueous phase liquid thickness in feet
ND	Not detected
	Approximate extent of NAPL
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
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Groundwater & Environmental Services, Inc.
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AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

EXTENT OF NAPL MAP 12/07/15

GLADIOLA STATION
Lea County, New Mexico

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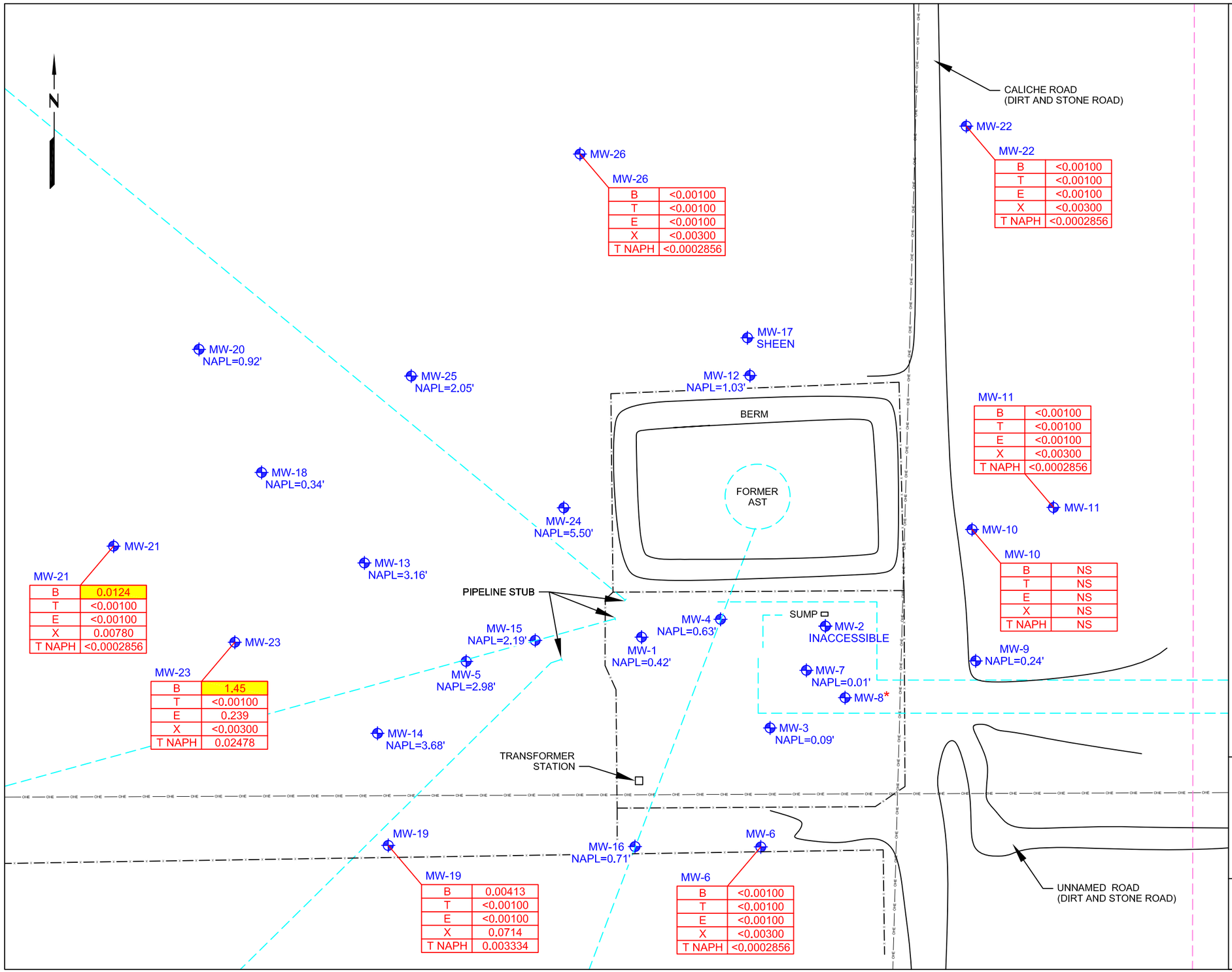
PROJECT NO. 3612

PLATE 4

DATE: 01/22/16



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=5.50'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
1.45	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
NS	Not sampled - insufficient water to sample
	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.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 12/07-09/15

GLADIOLA STATION
Lea County, New Mexico

Cardno
Shaping the Future

PROJECT NO. 3612

PLATE 5

DATE: 01/22/16

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 (mg/l)					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**								
12/7/2015	3866.63	36.87	3830.11	yes 0.42								
Field Point MW-2				**Well Screen Interval (feet): 27.59-47.59**								
12/7/2015	3869.40			no	INACCESSIBLE - STICK-UP WELL CASING DAMAGED							
Field Point MW-3				**Well Screen Interval (feet): 24.20-44.20**								
12/7/2015	3865.25	35.39	3829.93	yes 0.09								
Field Point MW-4				**Well Screen Interval (feet): 23.97-38.97**								
12/7/2015	3866.18	36.71	3829.99	yes 0.63								
Field Point MW-5				**Well Screen Interval (feet): 27.19-47.19**								
12/7/2015	3868.54	41.09	3829.92	yes 2.98								
Field Point MW-6				**Well Screen Interval (feet): 27.05-42.05**								
12/8/2015	3868.52	38.60	3829.92	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**								
12/7/2015	3865.67	35.76	3829.92	yes 0.01								
Field Point MW-9				**Well Screen Interval (feet): 27.64-42.64**								
12/7/2015	3869.82	40.51	3829.51	yes 0.24								
Field Point MW-10				**Well Screen Interval (feet): 28.08-43.08**								
12/7/2015	3870.38	40.91	3829.47	no	INSUFFICIENT WATER TO SAMPLE							
Field Point MW-11				**Well Screen Interval (feet): 29.00-44.00**								
12/8/2015	3869.58	40.29	3829.29	no	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
Field Point MW-12				**Well Screen Interval (feet): 30.00-45.00**								
12/7/2015	3869.27	40.66	3829.46	yes 1.03								
Field Point MW-13				**Well Screen Interval (feet): 30.00-45.00**								
12/7/2015	3868.63	41.31	3829.94	yes 3.16								
Field Point MW-14				**Well Screen Interval (feet): 27.00-42.00**								
12/7/2015	3868.47	41.49	3830.03	yes 3.68								
Field Point MW-15				**Well Screen Interval (feet): 29.00-44.00**								
12/7/2015	3868.74	40.31	3830.25	yes 2.19								

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 (mg/l)					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**								
12/7/2015	3868.54	38.61	3830.52	yes 0.71								
Field Point MW-17				**Well Screen Interval (feet): 29.50-44.50**								
12/9/2015	3869.14	39.72	3829.42	no	SHEEN							
Field Point MW-18				**Well Screen Interval (feet): 27.00-42.00**								
12/7/2015	3868.79	39.15	3829.92	yes 0.34								
Field Point MW-19				**Well Screen Interval (feet): 27.00-42.00**								
12/9/2015	3868.75	38.68	3830.07	no	0.00413	<0.00100	<0.00100	0.0714	0.00147	0.000304	0.00156	0.003334
Field Point MW-20				**Well Screen Interval (feet): 29.50-44.50**								
12/7/2015	3868.97	39.90	3829.83	yes 0.92								
Field Point MW-21				**Well Screen Interval (feet): 29.50-44.50**								
12/8/2015	3868.89	38.85	3830.04	no	**0.0124**	<0.00100	<0.00100	0.00780	<0.0000952	<0.0000952	<0.0000952	<0.0002856
Field Point MW-22				**Well Screen Interval (feet): 30.00-45.00**								
12/8/2015	3869.73	40.62	3829.11	no	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856
Field Point MW-23				**Well Screen Interval (feet): 31.00-46.00**								
12/8/2015	3869.08	39.01	3830.07	no	**1.45**	<0.00100	0.239	<0.00300	0.00669	0.00559	0.0125	0.02478
Field Point MW-24				**Well Screen Interval (feet): 28.00-43.00**								
12/7/2015	3867.88	42.51	3829.94	yes 5.50								
Field Point MW-25				**Well Screen Interval (feet): 28.00-43.00**								
12/7/2015	3868.99	40.96	3829.73	yes 2.05								
Field Point MW-26				**Well Screen Interval (feet): 30.00-45.00**								
12/8/2015	3868.98	39.58	3829.40	no	<0.00100	<0.00100	<0.00100	<0.00300	<0.0000952	<0.0000952	<0.0000952	<0.0002856

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

GLADIOLA STATION

LEA COUNTY, NEW MEXICO

Cardno 3612

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.
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

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 HHS (mg/l)	***NA***	***NA***	***NA***	***NA***	***0.0007***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-6**													
12/8/2015	<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
Field Point **MW-11**													
12/8/2015	<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
Field Point **MW-19**													
12/9/2015	<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
Field Point **MW-21**													
12/8/2015	<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
Field Point **MW-22**													
12/8/2015	<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
Field Point **MW-23**													
12/8/2015	<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
Field Point **MW-26**													
12/8/2015	<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 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 (mg/l)	***NA***	***NA***	***NA***	***NA***	***NA***
Field Point **MW-6**					
12/8/2015	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
Field Point **MW-11**					
12/8/2015	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
Field Point **MW-19**					
12/9/2015	0.00156	<0.0000952	<0.0000952	0.00147	0.000304
Field Point **MW-21**					
12/8/2015	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
Field Point **MW-22**					
12/8/2015	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
Field Point **MW-23**					
12/8/2015	0.0125	<0.000190	<0.000190	0.00669	0.00559
Field Point **MW-26**					
12/8/2015	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952

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 for groundwater of 10,000 mg/l TDS concentration or less
mg/l = milligrams per liter
NA = not applicable
< = not detected at or above stated laboratory reporting limit

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**												
12/8/2015	0.0149	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
Field Point **MW-11**												
12/8/2015	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
Field Point **MW-19**												
12/9/2015	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
Field Point **MW-21**												
12/8/2015	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
Field Point **MW-22**												
12/8/2015	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
Field Point **MW-23**												
12/8/2015	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
Field Point **MW-26**												
12/8/2015	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781

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

TABLE 4
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
	MW-4	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.63	1.50	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
	MW-9	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.24	1.75	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
	MW-13	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	3.16	3.00	3.00
	MW-14	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	3.68	3.00	3.00
	MW-15	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	2.19	3.00	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
	MW-18	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	0.34	1.75	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
	MW-24	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	5.50	2.50	2.50
	MW-25	Cumulative NAPL
Monitoring Date	NAPL Thickness (feet)	NAPL Recovered (gallons)	Recovered (gallons)
12/07/15	2.05	2.00	2.00
	NAPL Recovered this Reporting Period:	**30.00**
	TOTAL AMOUNT OF NAPL RECOVERED:	**131.00**

Explanation:
NAPL = non-aqueous phase liquid

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
HISTORICAL GROUNDWATER ANALYTICAL DATA

Cardno
Shaping the Future

Table 1
Groundwater Gauging Summary
Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-1	05/14/13	3,866.63	35.83	35.44	**0.39**	3,831.12
Screened	01/27/14		36.83	35.90	**0.93**	3,830.57
(22.71-42.71)	06/17/14		36.92	36.34	**0.58**	3,830.19
	11/18/14		36.94	36.34	**0.60**	3,830.19
MW-2	05/14/13	3,869.40	40.72	37.97	**2.75**	3,830.96
Screened	01/27/14		40.11	38.78	**1.33**	3,830.39
(27.59 - 47.59)	06/17/14		Damaged			
MW-3	05/14/13	3,865.25	34.31	34.19	**0.12**	3,831.04
Screened	01/27/14		35.04	34.73	**0.31**	3,830.47
(24.20 - 44.20)	06/17/14		35.33	35.08	**0.25**	3,830.13
	11/18/14		35.34	35.21	**0.13**	3,830.02
MW-4	05/14/13	3,866.18	35.53	34.84	**0.69**	3,831.22
Screened	01/27/14		36.77	35.49	**1.28**	3,830.47
(23.97 - 38.97)	06/17/14		36.76	35.92	**0.84**	3,830.12
	11/18/14		36.79	36.01	**0.78**	3,830.04
MW-5	05/14/13	3,868.54	37.57	37.47	**0.10**	3,831.05
Screened	01/28/14		38.90	37.90	**1.00**	3,830.47
(27.19 - 47.19)	06/17/14		39.13	38.22	**0.91**	3,830.17
	11/18/14		40.01	38.30	**1.71**	3,829.95
MW-6	05/14/13	3,868.52	37.49	--	ND	3,831.03
Screened	01/27/14		38.07	--	ND	3,830.45
(27.05 - 42.05)	06/17/14		38.38	--	ND	3,830.14
	11/18/14		38.54	--	ND	3,829.98
MW-7	05/14/13	3,865.67	35.96	35.64	**0.32**	3,829.98
Screened	01/27/14		35.22	35.19	**0.03**	3,830.47
(24.35 - 39.35)	06/17/14		35.54	--	**Sheen**	3,830.13
	11/18/14		35.64	--	**Sheen**	3,830.03
MW-8	05/14/13	3,865.32	Not Located - Presumed Destroyed			
Screened	01/27/14		Destroyed			
(23.05 - 38.05)	06/17/14		Destroyed			
MW-9	05/14/13	3,869.82	38.99	38.93	**0.06**	3,830.88
Screened	01/28/14		40.12	39.59	**0.53**	3,830.14
(27.64 - 42.64)	06/17/14		40.22	39.93	**0.29**	3,829.84
	11/17/14		40.35	40.15	**0.20**	3,829.64
MW-10	05/14/13	3,870.38	39.72	--	ND	3,830.66
Screened	01/28/14		40.33	--	ND	3,830.05
(28.08 - 43.08)	06/17/14		41.64	--	ND	3,828.74
	11/17/14		40.89	--	ND	3,829.49
MW-11	05/14/13	3,869.58	39.01	--	ND	3,830.57
Screened	01/28/14		39.57	--	ND	3,830.01
(29.00-44.00)	06/17/14		39.95	--	ND	3,829.63
	11/17/14		40.20	--	ND	3,829.38
MW-12	05/14/13	3,869.27	38.60	--	**Sheen**	3,830.67
Screened	01/28/14		39.30	39.21	**0.09**	3,830.04
(30.00-45.00)	06/17/14		39.60	39.51	**0.09**	3,829.74
	11/17/14		40.50	39.57	**0.93**	3,829.54

Table 1
Groundwater Gauging Summary
Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-13	05/14/13	3,868.63	38.89	37.01	**1.88**	3,831.30
Screened	01/28/14		39.91	37.80	**2.11**	3,830.47
(30.00-45.00)	06/17/14		39.91	38.14	**1.77**	3,830.19
	11/18/14		41.56	38.07	**3.49**	3,829.97
MW-14	05/14/13	3,868.47	38.39	36.96	**1.43**	3,831.27
Screened	01/28/14		38.81	37.74	**1.07**	3,830.55
(27.00-42.00)	06/17/14		38.76	38.09	**0.67**	3,830.27
	11/18/14		40.75	37.96	**2.79**	3,830.04
MW-15	05/14/13	3,868.74	40.11	37.11	**3.00**	3,831.12
Screened	01/28/14		40.21	37.87	**2.34**	3,830.47
(29.00-44.00)	06/17/14		39.35	38.39	**0.96**	3,830.19
	11/18/14		39.76	38.37	**1.39**	3,830.13
MW-16	05/14/13	3,868.54	38.05	37.19	**0.86**	3,831.20
Screened	01/27/14		39.11	37.62	**1.49**	3,830.67
(26.50-41.50)	06/17/14		39.10	38.04	**1.06**	3,830.32
	11/18/14		38.88	37.94	**0.94**	3,830.44
MW-17	05/14/13	3,869.14	38.52	--	**Sheen**	3,830.62
Screened	01/28/14		39.14	--	**Sheen**	3,830.00
(29.50-44.50)	06/17/14		39.43	--	**Sheen**	3,829.71
	11/07/14		39.64	--	**Sheen**	3,829.50
MW-18	05/14/13	3,868.79	38.23	37.43	**0.80**	3,831.22
Screened	01/28/14		38.92	38.12	**0.80**	3,830.53
(27.00-42.00)	06/17/14		38.99	38.43	**0.56**	3,830.26
	11/17/14		39.12	38.68	**0.44**	3,830.04
MW-19	05/14/13	3,868.75	37.51	--	ND	3,831.24
Screened	01/28/14		38.15	--	ND	3,830.60
(27.00-42.00)	06/17/14		38.43	--	ND	3,830.32
	11/17/14		38.66	--	ND	3,830.09
MW-20	05/14/13	3,868.97	37.99	--	ND	3,830.98
Screened	01/28/14		38.65	--	ND	3,830.32
(29.50-44.50)	06/17/14		38.93	--	ND	3,830.04
	11/17/14		39.16	--	ND	3,829.81
MW-21	05/14/13	3,868.89	37.67	--	ND	3,831.22
Screened	01/28/14		38.35	--	ND	3,830.54
(29.50-44.50)	06/17/14		38.62	--	ND	3,830.27
	11/17/14		38.87	--	ND	3,830.02
MW-22	05/14/13	3,869.73	39.36	--	ND	3,830.37
Screened	01/28/14		40.00	--	ND	3,829.73
(30.00-45.00)	06/17/14		40.29	--	ND	3,829.44
	11/17/14		40.54	--	ND	3,829.19
MW-23	05/14/13	3,869.08	37.88	--	ND	3,831.20
Screened	01/28/14		38.51	--	ND	3,830.57
(31.00-46.00)	06/17/14		38.79	--	ND	3,830.29
	11/17/14		39.03	--	ND	3,830.05

Table 1
Groundwater Gauging Summary
Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-24 *Screened (28.00-43.00)*	05/14/13	3,867.88	38.05	36.22	**1.83**	3,831.35
	01/28/14		41.92	36.71	**5.21**	3,830.28
	06/17/14		43.09	36.76	**6.33**	3,830.04
	11/18/14		43.30	36.80	**6.50**	3,829.98
MW-25 *Screened (28.00-43.00)*	05/14/13	3,868.99	40.02	37.59	**2.43**	3,830.99
	01/28/14		41.72	38.12	**3.60**	3,830.26
	06/17/14		41.74	38.44	**3.30**	3,829.99
	11/17/14		41.45	38.76	**2.69**	3,829.77
MW-26 *Screened (30.00-45.00)*	05/14/13	3,868.98	38.37	--	ND	3,830.61
	01/27/14		39.01	--	ND	3,829.97
	06/17/14		39.30	--	ND	3,829.68
	11/17/14		39.55	--	ND	3,829.43

Notes:
On June 17, 2014, the depth to water in MW-10 appears anomalous
All depths measured from top of casing.
Professional survey completed on 7/17/2012 by Borbas Surveying and Mapping, LLC.
Groundwater elevations in monitoring wells containing LNAPL calculated using an LNAPL specific gravity of 0.83.
LNAPL = light non-aqueous phase liquid
feet AMSL = feet above mean sea level
feet BTOC = feet below top of casing
feet BGS = feet below ground surface
ND = LNAPL not detected
MW-8 was not found in area of mapped location

Table 2
Summary of Groundwater Analytical Data - BTEX and Napthalenes
Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/L)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-1	05/15/13	Contained 0.39 feet of LNAPL							
	01/27/14	Contained 0.93 feet of LNAPL							
	06/18/14	Contained 0.58 feet of LNAPL							
	11/18/14	Contained 0.60 feet of LNAPL							
MW-2	05/15/13	Contained 2.75 feet of LNAPL							
	01/27/14	Contained 1.33 feet of LNAPL							
	06/18/14	Well found damaged							
MW-3	05/15/13	Contained 0.12 feet of LNAPL							
	01/27/14	Contained 0.31 feet of LNAPL							
	06/18/14	Contained 0.25 feet of LNAPL							
	11/18/14	Contained 0.13 feet of LNAPL							
MW-4	05/15/13	Contained 0.69 feet of LNAPL							
	01/27/14	Contained 1.28 feet of LNAPL							
	06/18/14	Contained 0.84 feet of LNAPL							
	11/18/14	Contained 0.78 feet of LNAPL							
MW-5	05/15/13	Contained 0.10 feet of LNAPL							
	01/28/14	Contained 1.00 feet of LNAPL							
	06/18/14	Contained 0.91 feet of LNAPL							
	11/18/14	Contained 1.71 feet of LNAPL							
MW-6	05/15/13	0.000202 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000629 J	0.0000629 J
	01/28/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	0.0000523 J	0.0000993
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	0.000239 B	0.000355 B	0.000634 B	0.001228 B
	11/19/14	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
MW-7	05/15/13	Contained 0.32 feet of LNAPL							
	01/27/14	Contained 0.03 feet of LNAPL							
	06/18/14	Contained a sheen of LNAPL							
	11/18/14	Contained a sheen of LNAPL							
MW-8	05/15/13	Destroyed							

Table 2
Summary of Groundwater Analytical Data - BTEX and Napthalenes
Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/L)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-9	05/15/13	Contained 0.06 feet of LNAPL							
	01/28/14	Contained 0.53 feet of LNAPL							
	06/18/14	Contained 0.29 feet of LNAPL							
	11/17/14	Contained 0.20 feet of LNAPL							
MW-10	05/15/13	0.000879 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000706 J	0.0000706 J
Dup	05/15/13	0.00138	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000757 J	0.0000757 J
	01/29/14	0.000898 J	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	0.0000594 J	0.0000594 J
	06/18/14	Insufficient Recharge for Sampling							
	11/19/14	<0.001	<0.001	<0.001	<0.002	<0.000094	<0.000094	<0.000094	<0.000094
DUP	11/19/14	<0.001	<0.001	<0.001	<0.002	<0.0001	<0.0001	<0.0001	<0.0001
MW-11	05/15/13	0.000606 J	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	0.0000534 J	0.0000534 J
	01/28/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.0000191	<0.0000287	0.000425 B	0.000425 B
	11/19/14	<0.001	<0.001	<0.001	<0.002	<0.000095	<0.000095	<0.000095	<0.000095
MW-12	05/15/13	Contained a sheen of LNAPL							
	01/28/14	Contained 0.09 feet of LNAPL							
	06/18/14	Contained 0.09 feet of LNAPL							
	11/17/14	Contained 0.93 feet of LNAPL							
MW-13	05/15/13	Contained 1.88 feet of LNAPL							
	01/28/14	Contained 2.11 feet of LNAPL							
	06/18/14	Contained 1.77 feet of LNAPL							
	11/18/14	Contained 3.49 feet of LNAPL							
MW-14	05/15/13	Contained 1.43 feet of LNAPL							
	01/28/14	Contained 1.07 feet of LNAPL							
	06/18/14	Contained 0.67 feet of LNAPL							
	11/18/14	Contained 2.79 feet of LNAPL							
MW-15	05/15/13	Contained 3.00 feet of LNAPL							
	01/28/14	Contained 2.34 feet of LNAPL							
	06/18/14	Contained 0.96 feet of LNAPL							
	11/18/14	Contained 1.39 feet of LNAPL							

Table 2
Summary of Groundwater Analytical Data - BTEX and Napthalenes
Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/L)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-16	05/15/13	Contained 0.86 feet of LNAPL							
	01/28/14	Contained 1.49 feet of LNAPL							
	06/18/14	Contained 1.06 feet of LNAPL							
	11/18/14	Contained 0.94 feet of LNAPL							
MW-17	05/15/13	Contained a sheen of LNAPL							
	01/28/14	Contained a sheen of LNAPL							
	06/18/14	Contained a sheen of LNAPL							
	11/19/14	Contained a sheen of LNAPL							
MW-18	05/15/13	Contained 0.80 feet of LNAPL							
	01/28/14	Contained 0.80 feet of LNAPL							
	06/18/14	Contained 0.56 feet of LNAPL							
	01/17/14	Contained 0.44 feet of LNAPL							
MW-19	05/15/13	<0.0002	<0.00017	<0.00019	<0.00018	<0.00000943	<0.00000943	<0.0000189	<0.0000189
	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.00002	<0.00003	0.00022 B	0.00022 B
	11/18/14	<0.001	<0.001	<0.001	<0.002	<0.000096	<0.000096	<0.000096	<0.000096
MW-20	05/15/13	<0.0002	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000282
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.0000192	<0.0000288	0.000265 B	0.000265 B
	11/18/14	0.0016	<0.001	<0.001	0.0098	<0.0001	<0.0001	<0.0001	<0.0001
MW-21	05/15/13	<0.0002	<0.00017	<0.00019	<0.00018	<0.00000943	<0.00000943	<0.0000189	<0.0000189
	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.000282
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.000019	<0.0000284	0.000155 B	0.000155 B
	11/18/14	<0.001	<0.001	<0.001	<0.002	<0.000094	<0.000094	<0.000094	<0.000094
MW-22	05/15/13	<0.0002	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000188
Duplicate	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000189	<0.0000283	<0.0000189	<0.0000189
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.0000194	<0.0000291	0.000278 B	0.000278 B
	11/19/14	<0.001	<0.001	<0.001	<0.002	<0.000097	<0.000097	<0.000097	<0.000097

Table 2
Summary of Groundwater Analytical Data - BTEX and Napthalenes
Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/L)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-23	05/15/13	<0.0002	<0.00017	<0.00019	<0.00018	<0.00000952	<0.00000952	<0.000019	<0.000019
	01/29/14	<0.0002	<0.00017	<0.00019	<0.00058	<0.0000188	<0.0000282	<0.0000188	<0.0000188
	06/18/14	<0.0002	<0.00017	<0.00019	<0.00038	<0.0000204	<0.0000306	0.0000606 J B	0.000606 J B
	11/18/14	**0.13**	<0.001	0.0092	0.065	<0.000095	<0.000095	<0.000095	<0.000095
MW-24	05/15/13	Contained 1.83 feet of LNAPL							
	01/28/14	Contained 5.21 feet of LNAPL							
	06/18/14	New Me							
	11/18/14	Contained 6.50 feet of LNAPL							
MW-25	05/15/13	Contained 2.43 feet of LNAPL							
	01/28/14	Contained 3.60 feet of LNAPL							
	06/18/14	Contained 3.30 feet of LNAPL							
	11/17/14	Contained 2.69 feet of LNAPL							
MW-26	05/15/13	**0.0153**	<0.00017	<0.00019	<0.00018	<0.00000935	<0.00000935	<0.0000187	<0.0000187
	01/29/14	**0.0129**	<0.00017	<0.00019	<0.00058	0.000048 J	<0.0000282	0.0000818 J	0.0001298
	06/18/14	0.000672 J	<0.00017	<0.00019	<0.00038	<0.0000189	<0.0000283	0.000394 B	0.000391 B
	11/19/14	0.0033	<0.001	<0.001	<0.002	<0.0001	<0.0001	<0.0001	<0.0001

Notes:
Bold = above NMWQCC Standards
< = Non-detect at laboratory detection limit
J = Estimated Value
mg/L = milligrams per liter
NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less
NS = Not Sampled
Total Naphthalene = 1- and 2-Methylnaphthalene and Naphthalene
B = Compound was found in the blank and sample

Table 3
Summary of Groundwater Analytical Data - Polycyclic Aromatic Hydrocarbons
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acena-phthene (mg/L)	Acena-phthylene (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)	Fluor-anthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenan-threne (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/L)		---	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---
MW-1	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	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	0.0000764 J	<0.0000561
	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	0.0000523 J	<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	<0.000019	<0.0000284	0.0000517 J	<0.000019	0.0000518 JB	<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	<0.0001	0.00014	<0.0001	<0.0001	<0.0001
MW-7	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	05/15/13	Destroyed															
MW-9	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	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	0.0000876 J	<0.0000561
Dup	05/15/13	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	<0.0000561	<0.0000561
	01/28/14	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	<0.0000282	<0.0000188
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dup	11/19/14	<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	<0.000094	<0.000094
	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	<0.0001	<0.0001
MW-11	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	<0.0000561	<0.0000561
	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	<0.0000282	<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	<0.0000287	<0.0000191
	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	<0.000095	<0.000095
MW-12	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Groundwater Analytical Data - Polycyclic Aromatic Hydrocarbons
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acena-phthene (mg/L)	Acena-phthylene (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)	Fluor-anthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenan-threne (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/L)		---	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---
MW-13	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-18	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	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	<0.0000566	<0.0000566
	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	<0.0000282	<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	<0.00003	<0.00002
	11/19/14	<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	<0.000096	<0.000096
MW-20	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	<0.0000561	<0.0000561
	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	<0.0000282	<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	<0.0000288	<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	<0.0001	<0.0001
MW-21	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	<0.0000566	<0.0000566
	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	<0.0000282	<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	<0.0000284	<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	<0.000094	<0.000094
MW-22	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	<0.0000561	<0.0000561
	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	0.0000541 J	<0.0000188
	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	<0.0000291	<0.0000194
	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	<0.000097	<0.000097
MW-23	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	<0.0000571	<0.0000571
	01/28/14	<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	0.0000687 J	0.0000724 J
	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	<0.0000306	<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	<0.000095	<0.000095

Table 3
Summary of Groundwater Analytical Data - Polycyclic Aromatic Hydrocarbons
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acena-phthene (mg/L)	Acena-phthylene (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)	Fluor-anthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenan-threne (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/L)		---	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---
MW-24	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	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	<0.0000561	<0.0000561
	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	<0.0000282	<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	<0.0000283	<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	<0.0001	<0.0001

Notes:

Bold = above NMWQCC Standards

< = Non-detect at laboratory detection limit

J = Estimated Value

mg/L = milligrams per liter

NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less

NS = Not Sampled

Table 4
Summary of Groundwater Analytical Data - Metals
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-1	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	05/15/13	<0.0047	0.14	<0.0002	<0.0012	0.0135	0.0081 J	<0.0013	<0.00015	4.67	<25	483	625
	01/28/14	0.01	0.144	<0.0002	<0.0012	0.0059	<0.0064	<0.0013	<0.00015	5.04	26.2	512	597 B
	06/18/14	<0.0072	0.138	0.0006 J	<0.003	<0.002	<0.005	<0.0025	<0.00015	5.32 B	26.5	483	615
	11/18/14	<0.01	0.15	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.5	25	470	660
MW-7	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/27/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	05/15/13	Destroyed											

Table 4
Summary of Groundwater Analytical Data - Metals
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-9	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	05/15/13	0.0055 J	0.0677	<0.0002	<0.0012	0.0113	<0.0064	<0.0013	<0.00015	218	95.9	585	1,400
Dup	05/15/13	0.0091 J	0.0703	<0.0002	<0.0012	0.0104	0.0115	<0.0013	<0.00015	188	95.6	607	1,350
	01/29/14	0.0066 J	0.0632	<0.0002	<0.0012	<0.0035	<0.0064	<0.0013	<0.00015	161	88.7	666	1,220 B
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/19/14	<0.01	0.059	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	170	92	590	1,300
Dup	11/19/14	<0.01	0.061	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	170	88	600	1,300
MW-11	05/15/13	0.0084 J	0.054	<0.0002	<0.0012	0.0138	0.0239	<0.0013	<0.00015	392	123	497	1,500
	01/28/14	0.0074 J	0.0465	<0.0002	<0.0012	<0.0035	<0.0064	<0.0013	<0.00015	393	122	513	1,370 B
	06/18/14	<0.0072	0.0445	0.0007 J	<0.003	<0.002	<0.005	<0.0025	<0.00015	351 B	114	485	1,340
	11/19/14	<0.01	0.044	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	320	120	480	1,400
MW-12	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4
Summary of Groundwater Analytical Data - Metals
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-16	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-18	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	05/15/13	0.0185	0.0307	<0.0002	<0.0012	0.0099	<0.0064	<0.0013	<0.00015	36	156	189	585
	01/29/14	0.028	0.0281	<0.0002	<0.0012	0.0039 J	<0.0064	<0.0013	<0.00015	40.9	163	203	570 B
	06/18/14	0.0161	0.0247	0.0006 J	<0.003	<0.002	0.0083 J	<0.0025	<0.00015	43.6 B	176	192	621
	11/18/14	0.02	0.023	<0.001	<0.005	0.0098	<0.01	<0.005	<0.0002	43	170	190	610
MW-20	05/15/13	0.0167	0.0377	<0.0002	<0.0012	<0.0017	0.0446	<0.0013	<0.00015	551	786	226	2,370
	01/29/14	0.0152	0.0321	<0.0002	<0.0012	<0.0035	0.0402	<0.0013	0.00042	538	719	268	2,170 B
	06/18/14	<0.0072	0.0322	0.0009 J	<0.003	<0.002	0.0354	<0.0025	0.000203	527 B	756	257	2,280
	11/18/14	<0.01	0.04	<0.001	<0.005	<0.005	0.024	<0.005	<0.0002	530	710	250	2,100
MW-21	05/15/13	0.0251	0.0154	<0.0002	<0.0012	0.0082	0.0224	<0.0013	<0.00015	18.9	535	239	1140
	01/29/14	0.0355	0.0132	<0.0002	<0.0012	<0.0035	<0.0064	<0.0013	<0.00015	14.7	422	263	972 B
	06/18/14	0.0307	0.0125	0.0008 J	<0.003	<0.002	0.008 J	<0.0025	<0.00015	12.8 B	383	353	932
	11/18/14	0.0310	0.013	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	12	360	250	860
MW-22	05/15/13	0.0209	0.0204	<0.0002	<0.0012	0.0085	0.0161	<0.0013	<0.00015	41.7	293	212	782
	01/29/14	0.0288	0.0191	<0.0002	<0.0012	0.0044 J	0.0066 J	<0.0013	<0.00015	42.8	242	236	750 B
Duplicate	01/29/14	0.0299	0.0188	<0.0002	<0.0012	<0.00035	0.0067 J	<0.0013	<0.00015	42.8	257	233	750 B
	06/18/14	0.0179	0.0192	0.0007 J	<0.003	<0.002	0.0096 J	<0.0025	<0.000150	42.7 B	248	221	776
	11/19/14	0.019	0.018	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	41	240	230	800

Table 4
Summary of Groundwater Analytical Data - Metals
Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-23	05/15/13	0.0259	0.037	<0.0002	<0.0012	0.0065	0.0129	<0.0013	<0.00015	2.85	73.6 J	377	635
	01/29/14	0.0343	0.0385	<0.0002	<0.0012	0.0052	<0.0064	<0.0013	<0.00015	3.76	109	393	597 B
	06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	0.0063 J	<0.0025	<0.00015	4.27 B	111	370	628
	11/18/14	0.033	0.053	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.9	100	370	630
MW-24	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	05/15/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/28/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	05/15/13	0.019	0.0366	<0.0002	<0.0012	<0.0017	0.0085 J	<0.0013	<0.00015	25.6	196	303	769
	01/29/14	0.0159	0.0335	<0.0002	<0.0012	<0.0035	<0.0064	<0.0013	<0.00015	26.6	192	332	751 B
	06/18/14	0.0133	0.0508	0.0006 J	<0.003	<0.002	0.0068 J	<0.0025	<0.00015	25.3 B	188	307	787
	11/19/14	0.015	0.031	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	25	220	320	830

Notes:
Bold = above NMWQCC Standards
< = Non-detect at laboratory detection limit
B = Compound was found in the blank and sample
J = Estimated Value
NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less
NS = Not Sampled

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-1	05/17/04	3,863.81	32.74	ND	ND	3,831.07
Screened	11/30/04	3,863.81	30.83	28.40	**2.43**	3,835.00
(22.71-42.71)	05/05/05	3,863.81	29.20	28.43	**0.77**	3,835.25
	07/20/06	3,863.81	28.71	28.13	**0.58**	3,835.58
	02/06/07	3,863.81	28.92	28.46	**0.46**	3,835.27
	04/15/08	3,863.81	29.45	29.06	**0.39**	3,834.68
	09/20/08	3,863.81	29.58	29.24	**0.34**	3,834.51
	02/15/09	3,863.81	30.50	30.15	**0.35**	3,833.60
	05/19/09	3,863.81	30.85	30.42	**0.43**	3,833.32
	08/18/09	3,865.14	31.75	31.40	**0.35**	3,833.68
	10/29/09	3,865.14	31.73	31.45	**0.28**	3,833.64
	10/12/11	3,865.14	34.60	34.05	**0.55**	3,831.00
	02/22/12	3,865.14	34.85	34.40	**0.45**	3,830.66
	07/17/12	3,866.63	35.26	34.78	**0.48**	3,831.77
	10/03/12	3,866.63	35.42	34.97	**0.45**	3,831.58
MW-2	05/17/04	3,867.89	37.04	ND	ND	3,830.85
Screened	11/30/04	3,867.89	35.61	33.68	**1.93**	3,833.88
(27.59 - 47.59)	05/05/05	3,867.89	33.36	32.91	**0.45**	3,834.90
	07/20/06	3,867.89	33.14	32.90	**0.24**	3,834.95
	02/06/07	3,867.89	33.07	32.95	**0.12**	3,834.92
	04/15/08	3,867.89	38.81	32.37	**6.44**	3,834.43
	09/20/08	3,867.89	38.97	32.92	**6.05**	3,833.94
	02/15/09	3,867.89	38.95	33.52	**5.43**	3,833.45
	05/19/09	3,867.89	38.63	34.01	**4.62**	3,833.09
	08/18/09	3,867.89	39.00	34.15	**4.85**	3,832.92
	10/29/09	3,867.89	38.98	34.21	**4.77**	3,832.87
	10/12/11	3,867.89	39.46	36.58	**2.88**	3,830.82
	02/22/12	3,867.89	39.73	36.93	**2.80**	3,830.48
	07/17/12	3,869.40	40.19	37.26	**2.93**	3,831.64
	10/03/12	3,869.40	40.29	37.47	**2.82**	3,831.45
MW-3	05/17/04	3,863.72	32.79	ND	ND	3,830.93
Screened	11/30/04	3,863.72	30.08	29.64	**0.44**	3,834.01
(24.20 - 44.20)	05/05/05	3,863.72	28.90	28.66	**0.24**	3,835.02
	07/20/06	3,863.72	28.87	28.62	**0.25**	3,835.06
	02/06/07	3,863.72	28.79	28.68	**0.11**	3,835.02
	04/15/08	3,863.72	29.42	29.20	**0.22**	3,834.48
	09/20/08	3,863.72	29.99	29.79	**0.20**	3,833.90
	02/15/09	3,863.72	29.90	29.75	**0.15**	3,833.94
	05/19/09	3,863.72	30.82	30.53	**0.29**	3,833.14
	08/18/09	3,863.72	31.15	30.80	**0.35**	3,832.86
	10/29/09	3,863.72	31.16	30.83	**0.33**	3,832.83
	10/12/11	3,863.72	33.10	32.72	**0.38**	3,830.94
	02/22/12	3,863.72	33.30	33.11	**0.19**	3,830.58
	07/17/12	3,865.25	33.80	33.49	**0.31**	3,831.71
	10/03/12	3,865.25	33.94	33.70	**0.24**	3,831.51

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-4	07/20/06	3,864.66	29.57	ND	ND	3,835.09
Screened	02/06/07	3,864.66	29.66	ND	ND	3,835.00
(23.97 - 38.97)	04/15/08	3,864.66	30.21	ND	ND	3,834.45
	09/20/08	3,864.66	30.75	30.73	**0.02**	3,833.93
	02/15/09	3,864.66	31.09	31.08	**0.01**	3,833.58
	05/19/09	3,864.66	31.73	31.53	**0.20**	3,833.10
	08/18/09	3,864.66	31.82	31.65	**0.17**	3,832.98
	10/29/09	3,864.66	31.80	31.68	**0.12**	3,832.96
	10/12/11	3,864.66	34.09	33.68	**0.41**	3,830.91
	02/22/12	3,864.66	34.58	34.02	**0.56**	3,830.54
	07/17/12	3,866.18	35.21	34.24	**0.97**	3,831.78
	10/03/12	3,866.18	36.07	34.38	**1.69**	3,831.51
MW-5	07/20/06	3,866.99	31.82	ND	ND	3,835.17
Screened	02/06/07	3,866.99	31.93	ND	ND	3,835.06
(27.19 - 47.19)	04/15/08	3,866.99	32.45	ND	ND	3,834.54
	09/20/08	3,866.99	33.07	ND	ND	3,833.92
	02/15/09	3,866.99	33.54	ND	ND	3,833.45
	05/19/09	3,866.99	33.83	ND	ND	3,833.16
	08/18/09	3,866.99	34.15	ND	ND	3,832.84
	10/29/09	3,866.99	34.35	ND	ND	3,832.64
	10/12/11	3,866.99	36.02	ND	ND	3,830.97
	02/22/12	3,866.99	36.85	ND	ND	3,830.14
	07/17/12	3,868.54	36.70	ND	ND	3,831.84
	10/03/12	3,868.54	37.54	ND	ND	3,831.00
MW-6	07/20/06	3,867.00	31.84	ND	ND	3,835.16
Screened	02/06/07	3,867.00	31.93	ND	ND	3,835.07
(27.05 - 42.05)	04/15/08	3,867.00	32.51	ND	ND	3,834.49
	09/20/08	3,867.00	33.08	ND	ND	3,833.92
	02/15/09	3,867.00	33.51	ND	ND	3,833.49
	05/18/09	3,867.00	33.87	ND	ND	3,833.13
	08/18/09	3,867.00	34.15	ND	ND	3,832.85
	10/29/09	3,867.00	34.35	ND	ND	3,832.65
	11/19/09	3,867.00	34.42	ND	ND	3,832.58
	10/12/11	3,867.00	36.14	ND	ND	3,830.86
	02/22/12	3,867.00	38.65	ND	ND	3,828.35
	07/17/12	3,868.52	36.78	ND	ND	3,831.74
	10/03/12	3,868.52	37.40	ND	ND	3,831.12
MW-7	07/20/06	3,864.14	29.05	ND	ND	3,835.09
Screened	02/06/07	3,864.14	29.08	ND	ND	3,835.06
(24.35 - 39.35)	04/15/08	3,864.14	29.67	ND	ND	3,834.47
	09/20/08	3,864.14	30.17	ND	ND	3,833.97
	02/15/09	3,864.14	30.54	ND	ND	3,833.60
	05/18/09	3,864.14	31.08	ND	ND	3,833.06
	08/18/09	3,864.14	31.20	ND	ND	3,832.94
	10/29/09	3,864.14	31.29	ND	ND	3,832.85
	10/12/11	3,864.14	33.24	ND	ND	3,830.90
	02/22/12	3,864.14	34.20	ND	ND	3,829.94
	07/17/12	3,865.67	33.96	33.94	**0.02**	3,831.73
	10/03/12	3,865.67	34.16	34.15	**0.01**	3,831.52

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-8	07/20/06	3,863.80	28.74	ND	ND	3,835.06
Screened	02/06/07	3,863.80	28.82	ND	ND	3,834.98
(23.05 - 38.05)	04/15/08	3,863.80	29.40	ND	ND	3,834.40
	09/20/08	3,863.80	29.92	ND	ND	3,833.88
	02/15/09	3,863.80	30.31	ND	ND	3,833.49
	05/18/09	3,863.80	30.72	ND	ND	3,833.08
	08/18/09	3,863.80	29.95	ND	ND	3,833.85
	10/29/09	3,863.80	29.99	ND	ND	3,833.81
	10/12/11	3,863.80	NM	NM	NM	NM
	02/22/12	3,863.80	33.40	33.38	**0.02**	3,830.42
	07/17/12	3,865.32	33.80	33.61	**0.19**	3,831.68
	10/03/12	3,865.32	33.96	33.70	**0.26**	3,831.58
MW-9	07/20/06	3,868.29	33.48	ND	ND	3,834.81
Screened	02/06/07	3,868.29	33.60	ND	ND	3,834.69
(27.64 - 42.64)	04/15/08	3,868.29	34.10	ND	ND	3,834.19
	09/20/08	3,868.29	34.66	ND	ND	3,833.63
	02/15/09	3,868.29	35.16	ND	ND	3,833.13
	05/18/09	3,868.29	35.44	ND	ND	3,832.85
	08/18/09	3,868.29	35.70	ND	ND	3,832.59
	10/29/09	3,868.29	35.93	ND	ND	3,832.36
	10/12/11	3,868.29	37.66	ND	ND	3,830.63
	02/22/12	3,868.29	38.49	ND	ND	3,829.80
	07/17/12	3,869.82	38.30	ND	ND	3,831.52
	10/03/12	3,869.82	38.40	38.30	**0.10**	3,831.50
MW-10	07/20/06	3,868.85	34.10	ND	ND	3,834.75
Screened	02/06/07	3,868.85	34.22	ND	ND	3,834.63
(28.08 - 43.08)	04/15/08	3,868.85	34.76	ND	ND	3,834.09
	09/20/08	3,868.85	35.34	ND	ND	3,833.51
	02/15/09	3,868.85	35.84	ND	ND	3,833.01
	05/18/09	3,868.85	36.12	ND	ND	3,832.73
	08/18/09	3,868.85	36.40	ND	ND	3,832.45
	10/29/09	3,868.85	36.61	ND	ND	3,832.24
	11/19/09	3,868.85	36.65	ND	ND	3,832.20
	10/12/11	3,868.85	38.30	ND	ND	3,830.55
	02/22/12	3,868.85	38.83	ND	ND	3,830.02
	07/17/12	3,870.38	38.96	ND	ND	3,831.42
	10/03/12	3,870.38	39.46	ND	ND	3,830.92
MW-11	04/30/08	3,868.06	31.50	ND	ND	3,836.56
Screened	09/20/08	3,868.06	34.65	ND	ND	3,833.41
(29.00-44.00)	02/15/09	3,868.06	35.12	ND	ND	3,832.94
	05/18/09	3,868.06	35.42	ND	ND	3,832.64
	08/18/09	3,868.06	35.75	ND	ND	3,832.31
	10/29/09	3,868.06	35.95	ND	ND	3,832.11
	10/12/11	3,868.06	37.60	ND	ND	3,830.46
	02/22/12	3,868.06	38.06	ND	ND	3,830.00
	07/17/12	3,869.58	38.26	ND	ND	3,831.32
	10/03/12	3,869.58	38.50	ND	ND	3,831.08

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-12	04/30/08	3,867.74	31.50	ND	ND	3,836.24
Screened	09/20/08	3,867.74	34.12	ND	ND	3,833.62
(30.00-45.00)	02/15/09	3,867.74	34.67	ND	ND	3,833.07
	05/19/09	3,867.74	34.98	ND	ND	3,832.76
	08/18/09	3,867.74	35.20	ND	ND	3,832.54
	10/29/09	3,867.74	35.45	ND	ND	3,832.29
	10/12/11	3,867.74	37.12	ND	ND	3,830.62
	02/22/12	3,867.74	37.46	ND	ND	3,830.28
	07/17/12	3,869.27	37.90	ND	ND	3,831.37
	10/03/12	3,869.27	38.10	ND	ND	3,831.17
MW-13	04/30/08	3,867.11	29.65	ND	ND	3,837.46
Screened	09/20/08	3,867.11	33.11	ND	ND	3,834.00
(30.00-45.00)	02/15/09	3,867.11	33.62	ND	ND	3,833.49
	05/19/09	3,867.11	33.88	ND	ND	3,833.23
	08/18/09	3,867.11	34.32	34.20	**0.12**	3,832.89
	10/29/09	3,867.11	34.45	34.38	**0.07**	3,832.72
	10/12/11	3,867.11	36.90	35.95	**0.95**	3,831.00
	02/22/12	3,867.11	37.78	37.10	**0.68**	3,829.89
	07/17/12	3,868.63	38.85	36.35	**2.50**	3,831.86
	10/03/12	3,868.63	39.02	36.54	**2.48**	3,831.67
MW-14	04/30/08	3,866.92	29.48	ND	ND	3,837.44
Screened	09/20/08	3,866.92	32.82	ND	ND	3,834.10
(27.00-42.00)	02/15/09	3,866.92	33.37	ND	ND	3,833.55
	05/19/09	3,866.92	33.64	ND	ND	3,833.28
	08/18/09	3,866.92	33.98	ND	ND	3,832.94
	10/29/09	3,866.92	34.15	ND	ND	3,832.77
	10/12/11	3,866.92	35.85	ND	ND	3,831.07
	02/22/12	3,866.92	36.19	ND	ND	3,830.73
	07/17/12	3,868.47	36.54	ND	ND	3,831.93
	10/03/12	3,868.47	36.90	ND	ND	3,831.57
MW-15	04/30/08	3,867.19	29.74	ND	ND	3,837.45
Screened	09/20/08	3,867.19	33.26	33.25	**0.01**	3,833.94
(29.00-44.00)	02/15/09	3,867.19	33.82	33.73	**0.09**	3,833.44
	05/19/09	3,867.19	34.20	34.04	**0.16**	3,833.12
	08/18/09	3,867.19	34.40	34.25	**0.15**	3,832.91
	10/29/09	3,867.19	34.60	34.48	**0.12**	3,832.69
	10/12/11	3,867.19	38.04	35.80	**2.24**	3,831.01
	02/22/12	3,867.19	38.41	36.09	**2.32**	3,830.71
	07/17/12	3,868.74	38.20	36.40	**1.80**	3,832.03
	10/03/12	3,868.74	39.95	36.60	**3.35**	3,831.57
MW-16	04/30/08	3,867.02	29.95	ND	ND	3,837.07
Screened	09/20/08	3,867.02	32.94	ND	ND	3,834.08
(26.50-41.50)	02/15/09	3,867.02	33.39	ND	ND	3,833.63
	05/18/09	3,867.02	33.73	ND	ND	3,833.29
	08/18/09	3,867.02	34.00	ND	ND	3,833.02
	10/29/09	3,867.02	34.17	ND	ND	3,832.85
	10/12/11	3,867.02	35.95	ND	ND	3,831.07
	02/22/12	3,867.02	36.45	ND	ND	3,830.57
	07/17/12	3,868.54	36.65	ND	ND	3,831.89
	10/03/12	3,868.54	37.10	ND	ND	3,831.44

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-17	08/18/09	3,867.64	35.22	ND	ND	3,832.42
Screened	10/29/09	3,867.64	35.40	ND	ND	3,832.24
(29.50-44.50)	10/12/11	3,867.64	37.10	ND	ND	3,830.54
	02/22/12	3,867.64	37.40	ND	ND	3,830.24
	07/17/12	3,869.14	37.75	ND	ND	3,831.39
	10/03/12	3,869.14	38.20	ND	ND	3,830.94
MW-18	08/18/09	3,867.31	34.45	ND	ND	3,832.86
Screened	10/29/09	3,867.31	34.60	ND	ND	3,832.71
(27.00-42.00)	10/12/11	3,867.31	36.26	ND	ND	3,831.05
	02/22/12	3,867.31	36.59	36.58	**0.01**	3,830.73
	07/17/12	3,868.79	37.30	36.90	**0.40**	3,831.82
	10/03/12	3,868.79	38.20	37.30	**0.90**	3,831.34
MW-19	08/18/09	3,867.26	34.22	ND	ND	3,833.04
Screened	10/29/09	3,867.26	34.40	ND	ND	3,832.86
(27.00-42.00)	10/12/11	3,867.26	36.08	ND	ND	3,831.18
	02/22/12	3,867.26	37.14	ND	ND	3,830.12
	07/17/12	3,868.75	36.81	ND	ND	3,831.94
	10/03/12	3,868.75	36.98	ND	ND	3,831.77
MW-20	08/18/09	3,867.50	34.69	ND	ND	3,832.81
Screened	10/29/09	3,867.50	34.85	ND	ND	3,832.65
(29.50-44.50)	10/12/11	3,867.50	36.55	ND	ND	3,830.95
	02/22/12	3,867.50	37.09	ND	ND	3,830.41
	07/17/12	3,868.97	37.31	ND	ND	3,831.66
	10/03/12	3,868.97	37.48	ND	ND	3,831.49
MW-21	08/18/09	3,867.43	34.42	ND	ND	3,833.01
Screened	10/29/09	3,867.43	34.60	ND	ND	3,832.83
(29.50-44.50)	10/12/11	3,867.43	36.24	ND	ND	3,831.19
	02/22/12	3,867.43	36.75	ND	ND	3,830.68
	07/17/12	3,868.89	36.95	ND	ND	3,831.94
	10/03/12	3,868.89	37.15	ND	ND	3,831.74
MW-22	10/29/09	3,868.21	36.27	ND	ND	3,831.94
Screened	10/12/11	3,868.21	37.90	ND	ND	3,830.31
(30.00-45.00)	02/22/12	3,868.21	38.26	ND	ND	3,829.95
	07/17/12	3,869.73	38.60	ND	ND	3,831.13
	10/03/12	3,869.73	38.80	ND	ND	3,830.93
MW-23	02/22/12	3,867.58	36.77	ND	ND	3,830.81
Screened	07/17/12	3,869.08	37.13	ND	ND	3,831.95
(31.00-46.00)	10/03/12	3,869.08	37.30	ND	ND	3,831.78
MW-24	02/22/12	3,866.60	35.74	35.70	**0.04**	3,830.89
Screened	07/17/12	3,867.88	39.70	35.55	**4.15**	3,831.62
(28.00-43.00)	10/03/12	3,867.88	40.09	35.74	**4.35**	3,831.40
MW-25	02/22/12	3,867.61	37.00	ND	ND	3,830.61
Screened	07/17/12	3,868.99	37.84	37.32	**0.52**	3,831.58
(28.00-43.00)	10/03/12	3,868.99	38.92	37.91	**1.01**	3,830.91
MW-26	02/22/12	3,867.59	37.28	ND	ND	3,830.31
Screened	07/17/12	3,868.98	37.90	ND	ND	3,831.08
(30.00-45.00)	10/03/12	3,868.98	37.93	ND	ND	3,831.05

Notes:
All depths measured from top of casing.
Professional survey completed on 7/17/2012 by Borbas Surveying and Mapping, LLC.
Groundwater elevations in monitoring wells containing LNAPL calculated using an LNAPL specific gravity of 0.83.
LNAPL = light non=aqueous phase liquid
feet AMSL = feet above mean sea level
feet BTOC = feet below top of casing
feet BGS = feet below ground surface
ND = LNAPL not detected

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/l)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-1	7/24/2006[1]	1.6	0.181	0.236	0.815	0.194	0.109	0.0639	0.3669
	2/8/2007[1]	1.1	0.362	0.106	1.46	0.178	0.300	0.139	0.617
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	1.03	0.551	0.00434	1.63	0.0400	0.0522	0.0553	0.1475
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	1.12	0.563	0.00132	1.22	0.0313	0.0403	0.0461	0.1177
	8/19/2009[1]	1.06	0.670	0.227	1.51	3.940 R1	1.940	0.627	6.507 R1
	10/30/2009	1.01	0.774	0.00225	1.63	0.118 R1	0.0573	0.0746	0.250 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006[1]	0.00492	0.142	0.0142	0.166	0.163	0.0696	0.0211	0.2537
	2/8/2007[1]	0.06	0.0726	0.0111	0.105	0.258	0.238	0.0208	0.5168
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	2.57	0.504	2.66	1.21	0.201	0.287	0.117	0.0484
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	NS -LNAPL entered bailer during each sampling attempt.							
	8/19/2009[1]	2.7	0.495	2.44	1.11	5.070 R1	2.750	0.730	8.55 R1
	10/30/2009	3.25	0.381	<0.001	0.675	0.0975 R1	0.0781	0.0514	0.227 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006[1]	0.0452	0.0974	0.00715	0.015	0.161	0.0752	0.0315	0.2677
	2/8/2007[1]	0.586	0.114	0.00522	0.360	0.220	0.255	0.053	0.528
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	1.55	0.133	<0.001	0.310	0.0154	0.0162	0.0146	0.0462
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	1.2	0.116	<0.001	0.206	0.0199	0.0215	0.0164	0.0578
	8/19/2009[1]	2.05	0.174	<0.001	0.317	0.245	0.0885	0.0353 R1	0.3688 R1
	10/30/2009	1.96	0.166	<0.001	0.32	0.153 R1	0.0482	0.00943	0.211 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	3.14	0.153	0.0387	0.318	0.0373	0.0286	0.0227	0.0886
	2/7/2007	2.78	0.215	0.0239	0.451	0.0553	0.147	0.027	0.2293
	4/15/2008	3.39	0.337	0.0151	0.662	0.0320	0.0428	0.0406	0.1154
	9/26/2008[1]	2.95	0.328	0.0276	0.688	0.0271	0.0392	0.0397	0.106
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	1.93	0.170	0.00189	0.546	<0.0526	<0.0526	<0.0526	<0.1578
	8/19/2009[1]	2.89	0.336	<0.00100	0.600	0.0578	0.0509	0.0369	0.1456
	10/30/2009	2.92	0.347	0.0011	0.619	0.311 R1	0.163	0.0645	0.539 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	7/20/2006	6.93	0.567	0.374	1.14	0.0914	0.0563	0.0589	0.2066
	2/7/2007	6.91	0.905	0.297	1.74	0.105	0.218	0.117	0.44
	4/15/2008	5.44	0.763	0.0686	1.33	0.0451	0.0547	0.0693	0.1691
	9/26/2008	6.17	0.736	0.0979	1.22	0.0443	0.605	0.074	0.1671
	2/6/2009	5.61	0.849	0.0514	1.41	NA	NA	0.0958	NA
	2/6/2009 Dup.	5.26	0.835	0.0438	1.32	NA	NA	0.0932	NA
	5/19/2009	5.08	0.681	0.0436	1.18	0.0573	0.0676	0.0873	0.2122
	8/19/2009	4.68	0.726	0.0567	0.932	0.189 R1	0.103	0.105	0.397
	8/19/2009 Dup.	4.79	0.709	0.0732	1.1	0.171 R1	0.0707	0.0954	0.3371 R1
	10/30/2009	5.01	0.713	0.0933	1.25	0.0375 R12	0.0641	0.0191	0.121 R12
	10/13/2011	3.5	0.521	0.00678	0.431	0.0216	0.0287	0.0402	0.0905
	10/13/2011 Dup.	3.47	0.52	0.00666	0.407	NA	NA	0.0553	0.0553
	2/22/2012	3.75	0.54	0.00125	0.626	NA	NA	0.0645	0.0645
	2/22/2012 Dup	3.65	0.516	<0.001	0.593	NA	NA	0.0604	0.0604
	7/17/2012	2.68	0.419	<0.001	0.262	0.0229	0.0248	0.0558	0.1035
	7/17/2012 Dup	2.62	0.39	<0.001	0.251	0.0245	0.0270	0.0568	0.1083
	10/3/2012	2.91	0.49	<0.001	0.667	0.0296	0.0310	0.0771	0.1377
	10/3/2012 Dup	2.97	0.501	<0.001	0.683	0.0265	0.0299	0.0833	0.1397

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/l)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-6	7/21/2006	0.034	0.001	0.001	0.0531	<0.000943	0.00641	<0.000943	0.006410
	2/7/2007	0.00667	<0.001	<0.001	0.0245	<0.00111	<0.00111	<0.00111	<0.00333
	4/15/2008	1.34	<0.001	<0.001	<0.003	<0.00990	<0.00990	<0.00990	<0.02970
	9/26/2008	0.00261	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
	2/6/2009	0.00143	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00184	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	<0.00300
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	NA	NA
	11/19/2009	NS	NS	NS	NS	<0.000980	<0.000980	<0.000980	BDL
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	<0.00500
	7/17/2012	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
	10/3/2012	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
MW-7	7/25/2006	0.0279	0.00385	0.00113	0.0288	0.00855	0.00879	0.00383	0.02117
	2/7/2007	0.0332	0.0244	<0.001	0.0276	0.0215	0.0150	0.00284	0.03934
	4/15/2008	0.0147	0.00422	<0.001	0.0167	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.0194	0.00260	<0.00100	0.0161	<0.00943	<0.00943	<0.00943	<0.02829
	2/5/2009	0.0158	0.00424	<0.00100	0.0122	NA	NA	0.00701	NA
	5/18/2009	0.0138	0.00270	<0.00100	0.0107	<0.0100	<0.0100	<0.0100	<0.0300
	8/19/2009	0.025	<0.00100	<0.00100	0.0160	0.00400	<0.00100	0.00227	0.00627
	10/30/2009	0.0363	0.00193	<0.00100	0.0356	0.00873 RI	0.00372	<0.00100	0.0125 RI
	10/13/2011	0.0115	<0.001	<0.001	<0.003	0.000611	0.000558	0.000537	0.001706
	2/22/2012	0.0348	0.0026	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	7/25/2006	0.0176	0.00724	0.001	0.0236	0.00472	<0.000939	<0.000939	0.004720
	2/7/2007	0.00561	0.0138	<0.001	0.00655	0.0201	0.0113	<0.00104	0.0314
	4/15/2008	0.00319	0.00382	<0.001	0.00614	<0.00962	<0.00962	<0.00962	<0.02886
	9/26/2008	0.00385	0.00722	<0.00100	0.0151	<0.00980	<0.00980	<0.00980	<0.02940
	2/5/2009	0.00337	0.00552	<0.00100	0.00313	NA	NA	0.00521	NA
	5/18/2009	0.00201	0.00406	<0.00100	0.00337	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	0.00318	<0.00100	0.00620	0.00674 RI	0.00354 RI	<0.00103	0.01028 RI
	10/30/2009	0.00124	<0.00100	<0.00100	0.00653	0.0101 RI	0.0043	<0.00100	0.0144 RI
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	7/21/2006	0.00137	0.001	0.001	0.003	<0.00099	<0.00099	<0.00099	<0.00297
	2/6/2007	0.00170	<0.001	<0.001	<0.003	0.0148	0.00424	<0.00104	0.01904
	4/15/2008	0.00254	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	<0.00100	<0.00100	<0.00100	<0.00300	<0.00962	<0.00962	<0.00962	<0.02886
	2/5/2009	0.00585	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00404	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971	<0.002913
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000952	<0.000952	<0.000952	<0.000952
	2/22/2012	0.00136	<0.001	<0.001	<0.003	<0.000952	<0.000952	0.00143	0.00143
	7/17/2012	0.00529	0.00654	<0.001	0.0132	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	0.135	0.177	0.00971	0.829	0.537	0.795	0.0676	1.3996
MW-10	7/21/2006	0.0133	0.001	0.001	0.003	0.001	0.001	<0.001	0.001
	2/6/2007	0.0115	<0.001	<0.001	<0.003	<0.00110	<0.00110	<0.00110	<0.00330
	4/15/2008	0.00599	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.00635	<0.00100	<0.00100	<0.00300	<0.0100	<0.0100	<0.0100	<0.0300
	2/5/2009	0.00409	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00348	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000980	0.00268	<0.000980	0.00268
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	NA	NA
	11/19/2009	NA	NA	NA	NA	0.0202 RI	0.0142 RI	<0.00105	0.0344 RI
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0000943	<0.0000943	<0.0000943	<0.000943
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/l)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-11	4/30/2008	<0.001	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.00351	<0.00100	<0.00100	<0.003	<0.00962	<0.00962	<0.00962	<0.02886
	2/5/2009	0.00401	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00382	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	0.00334	<0.00100	0.00334
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00099	<0.00099	<0.00099	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00194	<0.00194	<0.005	<0.005
MW-12	4/30/2008	0.0504	0.242	0.00401	0.598	0.0316	0.0241	0.0327	0.0884
	9/26/2008	0.222	0.978	0.0116	1.84	0.0512	0.0613	0.0909	0.2034
	2/5/2009	0.178	1.19	0.0134	2.22	NA	NA	0.12	NA
	5/19/2009	0.143	0.882	0.0128	1.65	0.0434	0.0534	0.0726	0.1694
	8/19/2009	0.162	0.937	0.00987	1.68	0.159 RI	0.0808	0.12	0.3598 RI
	10/30/2009	0.162	1.02	0.0128	1.99	0.0283 RI	0.0708	0.0236	0.123 RI
	10/13/2011	0.055	0.476	0.00603	1.01	0.0406	0.063	0.0879	0.1915
	2/22/2012	0.059	0.869	0.005	1.66	0.0244	0.0396	0.0659	0.1299
	7/17/2012	0.050	0.737	0.0116	0.562	0.0357	0.0394	0.0653	0.1404
	10/3/2012	0.054	0.822	0.0152	1.67	0.0464	0.0602	0.129	0.2356
MW-13	4/30/2008	3.64	0.292	0.102	0.499	0.0279	0.0329	0.0366	0.0974
	9/26/2008	9.26	0.972	0.513	1.71	<0.00980	<0.00980	0.0986	0.0986
	2/6/2009	10.1	1.050	0.554	1.89	NA	NA	0.118	NA
	5/19/2009	8.44	0.842	0.323	1.38	0.0712	0.0888	0.121	0.281
	8/19/2009[1]	8.13	0.950	0.305	2.07	0.291 RI	0.147	0.12	0.558 RI
	10/30/2009	9.55	1.03	0.218	1.75	0.0325 RI	0.0743	0.0212	0.128 RI
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	4/30/2008	0.0449	0.0231	0.00125	0.0341	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.123	0.0164	0.00187	0.0911	0.0103	0.0108	0.0120	0.0331
	2/6/2009	0.24	0.246	0.00986	0.166	NA	NA	0.0528	NA
	5/19/2009	0.12	0.0971	0.00203	0.0386	<0.00952	<0.00952	0.00956	0.00956
	8/19/2009	0.112	0.110	<0.00100	0.0444	0.0547 RI	0.0172	0.00923	0.08113 RI
	10/30/2009	0.119	0.0895	0.00168	0.0645	0.0506 RI	0.0186	0.00998	0.0792 RI
	10/13/2011	0.075	0.0536	<0.001	0.044	0.00459	0.00418	0.00579	0.01456
	2/22/2012	0.0782	0.0646	<0.001	0.0212	0.00479	0.00428	0.0071	0.01617
	7/17/2012	0.0798	0.0731	<0.001	0.0535	0.00521	0.005	0.0137	0.02391
	10/3/2012	0.107	0.0965	<0.001	0.0179	0.00625	0.0072	0.0118	0.02525
MW-15	4/30/2008	1.230	0.320	0.167	0.554	0.0318	0.0395	0.0367	0.108
	9/26/2008[1]	6.540	1.130	1.350	2.4	0.0636	0.0825	0.0902	0.2363
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	3.800	0.848	0.632	1.8	0.0380	0.0484	0.0658	0.1522
	8/19/2009[1]	3.850	0.799	0.892	2.25	0.202 RI	0.118	0.1690	0.489 RI
	10/30/2009	8.96	0.949	0.228	1.66	0.0407 RI	0.0225	0.0274	0.0906 RI
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	0.00321	0.0237	<0.001	0.0376	<0.0103	<0.0103	<0.0103	<0.0309
	9/26/2008	0.00317	0.0253	<0.00100	0.0790	<0.00943	<0.00943	<0.00943	<0.02829
	2/6/2009	0.0113	0.0426	<0.00100	0.0634	NA	NA	0.0228	NA
	5/18/2009	0.00670	0.0488	<0.00100	0.0526	<0.00943	<0.00943	<0.00943	<0.02829
	8/19/2009	0.00419	0.0251	<0.00100	0.0797	0.00603 R10	0.0127 RI	0.00429 RI	0.02302 R10, RI
	10/30/2009	0.00391	0.0128	<0.00100	0.0564	NA	NA	NA	NA
	10/30/09 Dup.	0.00576	0.035	<0.00100	0.122	0.0405 RI	0.0124	0.00791	0.0608 RI
	10/13/2011	0.00190	0.0145	<0.001	0.0342	0.00158	0.00124	0.00154	0.00436
	2/22/2012	<0.001	<0.001	<0.001	<0.003	0.00113	0.00090	0.00122	0.00325
	7/17/2012	0.00157	0.01860	<0.001	0.01050	0.00229	<0.00190	<0.005	0.00229
	10/3/2012	0.00192	0.06370	<0.001	0.07700	0.00429	<0.00189	0.00855	0.01284

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/l)		0.01	0.75	0.75	0.62	---	---	---	0.03
MW-17	8/19/2009	**1.28**	**0.845**	0.0146	**1.19**	0.188 RI	0.0768	0.134	0.3988 RI
	10/30/2009	**1.52**	**0.986**	0.0211	**1.55**	0.193 RI	NA	0.134	0.327 RI
	10/13/2011	**0.68**	0.407	<0.001	0.524	0.0364	0.0556	0.0798	**0.1718**
	2/22/2012	**0.871**	0.727	<0.001	**1.16**	NA	NA	**0.0781**	**0.0781**
	7/17/2012	**0.649**	0.504	0.00494	0.438	**0.0256**	**0.0306**	**0.0429**	0.0991
	10/3/2012	**0.825**	0.682	0.0103	**1.22**	**0.0325**	0.0402	**0.0865**	**0.1592**
MW-18	8/19/2009	**2.4**	0.681	0.0206	**0.836**	0.141 RI	0.0193	0.0213	**0.1816 RI**
	10/30/2009	**2.88**	**0.779**	0.0144	**0.703**	0.189 RI	0.0696	0.11	**0.369 RI**
	10/13/2011	**1.81**	0.274	0.00572	0.108	0.0292	0.0431	0.0414	**0.1137**
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	<0.00300
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0000971	<0.0000971	<0.0000971	<0.0000971
	2/22/2012	0.00188	0.192	<0.001	0.329	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-20	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971	<0.002913
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000952	<0.000952	<0.000952	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.000943	<0.000943	<0.000943	<0.000943
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-21	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	0.00156	<0.000980	<0.000980	0.00156
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.00009
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-22	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.0001
	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.0001
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-23	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.001
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00192	<0.00192	<0.005	<0.005
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	**8.7**	**0.911**	**1.12**	**2.7**	0.0427	0.0688	0.0939	**0.2054**
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.001
	7/17/2012	0.00177	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	0.00236	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
NMWQCC Standards (mg/l)		0.01	0.75	0.75	0.62	---	---	---	0.03
SB-1GW	10/28/2011	0.00719	<0.001	<0.001	<0.003	0.000462	0.000144	0.000115	0.000721
SB-2GW	10/28/2011	**1.88**	0.138	0.0938	0.26	0.00625	0.00883	0.00922	0.0243
SB-3GW	10/28/2011	**1.94**	**0.986**	**2.42**	**2.27**	0.039	0.0606	0.0835	**0.1831**
SB-4GW	10/28/2011	**3.91**	0.587	0.0703	**1.15**	0.0084	0.00967	0.0137	**0.03177**
SB-5GW	10/28/2011	**2.9**	0.034	0.024	0.218	0.0182	0.0269	0.0499	**0.095**
SB-6GW	10/28/2011	0.00133	0.00168	<0.001	<0.003	0.000291	0.000437	0.000505	0.001233
SB-7GW	10/28/2011	**0.135**	0.0263	0.00135	0.0759	0.00281	0.00367	0.0047	0.01118

Notes:
NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less
Bold = above NMWQCC Standards
BDL = Below Sa= Above NMWQCC standards
LNAPL = Light Non-Aqueous Phase Liquids
NA = Not Analyzed
NS = Not Sampled
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.
(1) = Sampled collected from below the LNAPL
Total Naphthalene = 1- and 2-Methylnaphthalene and Naphthalene

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	0.0007	—	—	—	—	—	—	—	—	—	—
MW-1	7/24/2006[1]	<0.00101	<0.00101	0.141	0.0165	*0.00260*	0.000971	<0.000202	0.00129	0.0111	<0.000202	0.0788	0.00614	<0.000202	0.00434	0.0246
	2/8/2007[1]	<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	0.0489	0.0493
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<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	<0.0100	<0.0100
	5/19/2009[1]	<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	<0.0100	<0.0100
	8/19/2009[1]	<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	1.620 R1	1.470 R1
	10/30/2009	<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	0.0132 R1	0.00554 R1
	10/13/2011	<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	<0.0000952	<0.0000952
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006[1]	<0.000939	<0.00217	0.228	0.0300	*0.00533*	0.0173	0.000665	0.00301	0.0420	0.00186	0.155	0.00823	<0.000188	0.0603	0.0333
	2/8/2007[1]	<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	0.232	0.075
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<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	<0.0971	<0.0971
	5/19/2009[1]	NS -LNAPL entered bailer.														
	8/19/2009[1]	<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	1.660 R1	1.410 R1
	10/30/2009	<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	0.0382 R1	0.0545 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006[1]	<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	0.0357	0.0182
	2/8/2007[1]	<0.00111	<0.00556	0.0914	0.00885	*0.00172*	0.00289	<0.000222	0.00121	0.00859	0.0136	0.0437	0.012	<0.000222	0.191	0.0557
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<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	<0.0105	<0.0105
	5/19/2009[1]	<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	<0.0105	<0.0105
	8/19/2009[1]	<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	0.146 R1	0.161 R1
	10/30/2009	<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	0.0451 R1	0.0738 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	<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	<0.000469	<0.000188
	2/7/2007	<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	0.00901	0.0117
	4/15/2008	<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	<0.00990	<0.00990
	9/26/2008[1]	<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	<0.00980	<0.00980
	5/19/2009[1]	<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	<0.0526	<0.0526
	8/19/2009[1]	<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	0.0143 R1	0.00854 R1
	10/30/2009	<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	0.0949 R1	0.158 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	0.0007	—	—	—	—	—	—	—	—	—	—
MW-5	7/20/2006	<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	0.00483	<0.000189
	2/7/2007	<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	0.0075	0.0037
	4/15/2008	<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	<0.00990	<0.00990
	9/26/2008	<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	<0.0962	<0.0962
	5/19/2009	<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	<0.0526	<0.0526
	8/19/2009	<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	0.0194 R1	0.00619 R1
	8/19/09 Dup.	<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	0.0192 R1	0.00682 R1
	10/30/2009	<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	0.0127 R1	0.00378 R1
	10/13/2011	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	0.00146	0.000111
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190
	7/17/12 Dup	<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	0.00214	<0.00190
	10/3/2012	<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	0.00241	<0.00196
	10/3/12 Dup	<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	0.00218	<0.00189
MW-6	7/21/2006	<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	<0.000472	<0.000189
	2/7/2007	<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	<0.000556	<0.000222
	4/15/2008	<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	<0.00990	<0.00990
	9/26/2008	<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	<0.0962	<0.0962
	5/18/2009	<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	<0.00952	<0.00952
	8/19/2009	<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	<0.000500	<0.000200
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/19/2009	<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	<0.000490	<0.0.000196
	10/13/2011	<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	<0.0000962	<0.0000962
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-7	7/25/2006	<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	<0.000469	<0.000188
	2/7/2007	<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	<0.000543	<0.000217
	4/15/2008	<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	<0.00971	<0.00971
	9/26/2008	<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	<0.00943	<0.00943
	5/18/2009	<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	<0.0100	<0.0100
	8/19/2009	<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	<0.000500	0.000665
	10/30/2009	<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	<0.000500	0.000609 R1
	10/13/2011	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	0.000147	<0.000105
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	7/25/2006	<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	<0.000469	<0.000188
	2/7/2007	<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	<0.000521	<0.000208
	4/15/2008	<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	<0.00962	<0.00962
	9/26/2008	<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	<0.00980	<0.00980
	5/18/2009	<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	<0.00952	<0.00952
	8/19/2009	<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	<0.000513	0.000657
	10/30/2009	<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	0.0005	0.000518
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	0.0007	—	—	—	—	—	—	—	—	—	—
MW-9	7/21/2006	<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	<0.000495	<0.000198
	2/6/2007	<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	<0.000521	<0.000208
	4/15/2008	<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	<0.00971	<0.00971
	9/26/2008	<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	<0.00962	<0.00962
	5/18/2009	<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	<0.00952	<0.00952
	8/19/2009	<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	<0.000485	<0.000194
	10/30/2009	<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	<0.000500	0.00101
	10/13/2011	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952
	2/22/2012	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952	<0.0000952	<0.0000952
	7/17/2012	<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	<0.00190	<0.00190	<0.00190
	10/3/2012	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377	0.0941	0.00931
MW-10	7/21/2006	0.001	0.001	0.001	<0.0002	<0.0001	<0.0001	<0.0002	<0.00014	<0.0001	<0.0002	<0.0002	0.000892	<0.0002	<0.0005	<0.0002
	2/6/2007	<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	<0.00549	<0.000220
	4/15/2008	<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	<0.00971	<0.00971	<0.00971
	9/26/2008	<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	<0.0100	<0.0100	<0.0100
	5/18/2009	<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	<0.00952	<0.00952	<0.00952
	8/19/2009	<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	<0.000490	<0.000196
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/19/2009	<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	<0.000526	0.000935 R1
	10/13/2011	<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	<0.0000943	<0.0000943
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190	<0.00190
	10/3/2012	<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	<0.00190	<0.00190	<0.00190
MW-11	4/30/2008	<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	<0.00971	<0.00971	<0.00971
	9/26/2008	<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	<0.00962	<0.00962	<0.00962
	5/18/2009	<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	<0.00943	<0.00943	<0.00943
	8/19/2009	<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	<0.000500	<0.000200
	10/30/2009	<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	<0.000495	<0.000198
	10/13/2011	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190	<0.00190
	10/3/2012	<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	<0.00194	<0.00194	<0.00194
MW-12	4/30/2008	<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	<0.010	<0.010	<0.010
	9/26/2008	<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	<0.00943	<0.00943	<0.00943
	5/19/2009	<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	<0.00952	<0.00952	<0.00952
	8/19/2009	<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	<0.000500	<0.000200
	10/30/2009	<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	0.0111 R1	0.00257 R1
	10/13/2011	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099	0.00165	<0.000099
	2/22/2012	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943	0.000991	<0.0000943
	7/17/2012	<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	<0.002	<0.002	<0.002
	10/3/2012	<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	<0.00189	<0.00189	<0.00189
MW-13	4/30/2008	<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	<0.00971	<0.00971	<0.00971
	9/26/2008	<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	<0.0980	<0.0980	<0.0980
	5/19/2009	<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	<0.0476	<0.0476	<0.0476
	8/19/2009 [D7]	<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	0.0458 R1	0.0277 R1
	10/30/2009	<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	0.0238 R1	0.0369 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	**0.0007**	—	—	—	—	—	—	—	—	—	—
MW-14	4/30/2008	<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	<0.00971	<0.00971
	9/26/2008	<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	<0.00980	<0.00980
	5/19/2009	<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	<0.00952	<0.00952
	8/19/2009	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000194	**0.000797**	<0.000194	**0.00109**
	10/30/2009	<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	0.00441 R1	0.00135 R1
	10/13/2011	**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	**0.000381**	<0.0000952
	2/22/2012	**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	**0.000644**	<0.000111
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-15	4/30/2008	<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	<0.00971	<0.00971
	9/26/2008[1]	<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	<0.00980	<0.00980
	5/19/2009[1]	<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	<0.0105	<0.0105
	8/19/2009[1]	<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	0.0196 R1	0.00753 R1
	10/30/2009	<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	0.0282 R1	0.0435 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	<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	<0.0103	<0.0103
	9/26/2008	<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	<0.00943	<0.00943
	5/18/2009	<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	<0.00943	<0.00943
	8/19/2009	<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	<0.000513	0.000979 R1
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/13/2011	**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	**0.000343**	<0.0000952
	2/22/2012	**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	**0.000292**	<0.0000943
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-17	8/19/2009	<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	0.0102 R1	<0.000200
	10/30/2009	<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	0.0121 R1	0.00284 R1
	10/13/2011	**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	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-18	8/19/2009	<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	0.0104 R1	**0.000948**
	10/30/2009	<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	0.0129 R1	0.00257 R1
	10/13/2011	**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	**0.00246**	<0.0000952
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	**0.0007**	—	—	—	—	—	—	—	—	—	—
MW-19	8/19/2009	<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	<0.000500	<0.000200
	10/30/2009	<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	<0.000510	<0.000204
	10/13/2011	<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	<0.0000971	<0.0000971
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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**	<0.00189	<0.00189
MW-20	8/19/2009	<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	<0.000485	<0.000194
	10/30/2009	<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	<0.000476	<0.000190
	10/13/2011	<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	<0.000099	<0.000099
	2/22/2012	<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	<0.0000943	<0.0000943
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-21	8/19/2009	<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	<0.000490	<0.000196
	10/30/2009	<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	<0.000500	<0.000200
	10/13/2011	<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	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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**	<0.00189	<0.00189
MW-22	10/30/2009	<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	<0.000510	<0.000204
	10/13/2011	<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	<0.0001	<0.0001
	2/22/2012	<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	<0.0000943	<0.0000943
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00189	<0.00189
MW-23	2/22/2012	<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	<0.0000943	<0.0000943
	7/17/2012	<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	<0.00190	<0.00190
	10/3/2012	<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	<0.00192	<0.00192
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	**0.000168**	**0.000179**	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	**0.00232**	<0.000105	**0.0018**	<0.000105
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	<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	<0.0000952	<0.0000952	<0.0000952
	7/17/2012	<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	<0.00190	<0.00190	<0.00190
	10/3/2012	<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**	<0.00189	<0.00189	<0.00189

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample 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)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		—	—	—	—	0.0007	—	—	—	—	—	—	—	—	—	—
SB-1GW	10/28/2011	<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	**0.000452**	<0.0000962
SB-2GW	10/28/2011	<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	**0.000359**	<0.0000971
SB-3GW	10/28/2011	**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	**0.00168**	<0.000098
SB-4GW	10/28/2011	<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	**0.000363**	<0.000098
SB-5GW	10/28/2011	**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	**0.000559**	<0.000098
SB-6GW	10/28/2011	<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	**0.0000971**	<0.0000971
SB-7GW	10/28/2011	**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	**0.000495**	<0.0000971

Notes:

mg/l = milligrams per liter

NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less

Bold = Above NMWQCC standards

NS = Not Sampled

NA = Not Analyzed

A-01 = Could not obtain constant weight

L2 = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits

R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%. The higher value was reported

R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%. The lower value was reported

Semivolatile organics analyzed by EPA Method 8310 in July 2006, February 2007, and September 2009. Semivolatile organics analyzed by EPA Method 8270C from April 2008 to May 2009

[1] = Sampled collected from below the LNAPL

Dup = Duplicate

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1.0	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-1	7/24/2006	*0.0295*	*4.82*	*0.0018*	*0.0126*	*<0.005*	*<0.01*	*<0.005*	*0.000303*	10.9	1.82	743	900
	2/8/2007	*0.0304*	*5.02*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	2.8	1.24	621	<100
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/2008	0.0256	7.52	0.0011	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	1.63	1.28	913	815 [D]
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0265	8.72	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.41	<1.00	952	962
	8/19/2009	0.0303	7	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.25	<1.00	979	940
	10/30/2009	0.0246	8.54	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.83	3.54	917	780
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006	*0.0469*	*0.958*	*0.0021*	*0.0140*	*<0.005*	*<0.01*	*0.0057*	*<0.0002*	30.6	2.11	668	900
	2/8/2007	*0.0348*	*0.764*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	32	3.9	634	440
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/2008	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	29.4	3.57	669	622
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/19/2009	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	31.2	2.74	649	742
	10/30/2009	0.0208	8.57	<0.00100	<0.00500	<0.00500	<0.0100	0.005	0.0002	15.1	1.08	752	480
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006	*0.057*	*3.33*	*0.0015*	*0.0098*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	21.2	8.35	773	880
	2/8/2007	*0.0505*	*3.44*	*<0.001*	*<0.005*	*0.0052*	*<0.01*	*<0.005*	*<0.0002*	31.6	33.4	708	540
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/2008	0.0380	6.09	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	26.7	2.64	876	744
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0397	6.14	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	23.7	2.66	883	858
	8/19/2009	0.0302	6.56	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.4	<1.00	880	802
	10/30/2009	0.0316	5.91	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	0.0002	21.4	<1.00	842	670
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	*0.034*	*7.34*	*0.0016*	*0.0122*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	20.7	<1.00	850	1000
	2/7/2007	*0.0617*	*8.00*	*<0.001*	*0.0615*	*0.0201*	*<0.01*	*<0.005*	*<0.0002*	15.1	1.09	2290	<100
	4/15/2008	*0.0140*	*7.47*	*0.0011*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	10.2	<1.00	1060	1180
	9/21/2008	0.0156	7.74	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	17.7	1.31	792	774
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0162	8.32	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	18.4	3.08	802	854
	8/19/2009	0.0133	8.19	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	18.9	<1.00	807	860
	10/30/2009	0.0224	8.64	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	12.2	<1.00	782	660
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS				
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS				
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS				

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1.0	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-5	7/20/2006	*0.0661*	*1.71*	*<0.001*	*0.177*	*0.0151*	*<0.01*	*<0.005*	*0.000220*	6.11	<1.00	1250	712
	2/7/2007	*0.0526*	*1.96*	*<0.001*	*0.0599*	*0.0105*	*<0.01*	*<0.005*	*<0.0002*	6.58	1.56	1130	610
	4/15/2008	*0.0440*	*3.02*	*0.0017*	*0.0167*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	6.34	<1.00	976	736
	9/21/2008	0.0370	3.07	0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.62	1.54	841 bt2	712 (3)
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	7.49	<1.00	797	744
	2/6/09 Dup.	NA	NA	NA	NA	NA	NA	NA	NA	6.80	1.05	801	730
	5/19/2009	0.0336	3.49	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.81	<1.00	837	792
	8/19/2009	0.031	3.68	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	7.02	<1.00	856	752
	8/19/09 Dup.	0.0322	3.71	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.93	<1.00	847	760
	10/30/2009	0.0284	3.93	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.61	<1.00	797	1540
	10/28/2011	0.0353	4.8	<0.001	<0.005	0.007	<0.01	<0.005	<0.0002	5.03	1.4	NS	NS
	2/22/2012	NA	4.81	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2012 Dup	NA	4.74	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0234	4.9	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.59	1.18	720	753
	7/17/2012 Dup	0.0252	5.08	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.42	1.21	721	760
	10/3/2012	0.0238	4.48	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.46	<1.00	726	740
	10/3/2012 Dup	0.0233	4.62	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.47	<1.00	732	749
MW-6	7/21/2006	*<0.01*	*0.168*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*0.000207*	6.28	63.2	524	660
	2/7/2007	*0.0397*	*3.19*	*<0.001*	*0.0822*	*0.0307*	*<0.01*	*<0.005*	*0.00172*	6.6	<2.00	2930	325
	4/15/2008	*0.0199*	*0.610*	*0.0020*	*0.0213*	*0.00805*	*0.0106*	*<0.005*	*0.000467*	5.38	42.7	1650	548
	9/21/2008	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.75	34.5	528	440
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	1.80	8.41	509	574
	5/18/2009	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.90	37.2	567	234
	8/19/2009	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.31	33.0	519	568
	10/30/2009	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.03	31.1	475	470
	10/28/2011	<0.01	0.112	<0.001	<0.005	0.0057	<0.01	<0.005	<0.0002	5	26.3	NS	NS
	2/22/2012	NA	0.119	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.01	0.127	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.23	24.6	452	571
	10/3/2012	<0.01	0.121	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.91	26.4	446	566
MW-7	7/25/2006	*<0.01*	*0.679*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	15.5	<1.00	641	800
	2/7/2007	*0.0583*	*2.46*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	14.4	4.48	654	200
	4/15/2008	*0.0513*	*3.00*	*0.0015*	*0.0051*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	13.6	1.46	710	744
	9/20/2008	0.0407	1.92	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	15.3	3.16	680	710 B, CF6, L1
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	14.5	1.87	692	672
	5/18/2009	0.0395	1.88	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	15.7	3.10	672	748
	8/19/2009	0.0137	1.86	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	17.2	3.06	673	720
	10/30/2009	0.0112	2.05	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	16.5	3.26	645	500
	10/28/2011	0.014	2.34	<0.001	<0.005	0.0054	<0.01	<0.005	<0.0002	14.5	3.74	NS	NS
	2/22/2012	NA	2.55	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS				
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS				
MW-8	7/25/2006	*0.0153*	*0.328*	*0.0012*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	13.1	8.01	593	810
	2/7/2007	*0.0342*	*0.929*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	11.5	22.2	707	510
	4/15/2008	*0.035*	*1.22*	*0.0015*	*0.0078*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	11.6	7.4	716	688
	9/20/2008	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	13.5	9.30	633	610
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	11.6	6.52	615	628
	5/18/2009	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.1	8.68	535	258
	8/19/2009	<0.0100	1.14	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	13.3	6.57	623	676
	10/30/2009	<0.0100	1.04	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	14.0	7.46	599	560
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1.0	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-9	7/21/2006	*0.0298*	*0.918*	*<0.001*	*0.0354*	*0.0078*	*<0.01*	*<0.005*	*<0.0002*	103	157	1010	900
	2/6/2007	*0.0291*	*0.284*	*<0.001*	*0.0075*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	92	89.0	717	1110
	4/15/2008	*0.0694*	*1.61*	*0.0023*	*0.0473*	*0.0126*	*<0.01*	*<0.005*	*<0.0002*	85.5	47.5	2410	684
	9/21/2008	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	73.3	40.7	572	520
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	71	33.9	616	<1000
	5/18/2009	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	61.0	38.3	584	644
	8/19/2009	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	75.8	37.9	578	744
	10/30/2009	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	79.3	39.3	534	610
	10/28/2011	0.0147	0.122	<0.001	<0.005	0.0059	<0.01	<0.005	<0.0002	101	27.5	NA	NA
	2/22/2012	NA	0.103	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0175	0.0972	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	105	21.8	516	771
	10/3/2012	0.0277	0.0878	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	105	23	NA	1130
MW-10	7/21/2006	*<0.01*	*0.324*	*<0.001*	*0.0136*	*<0.005*	*<0.01*	*<0.005*	*0.000822*	500	85.2	748	1520
	2/6/2007	*<0.01*	*0.112*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	6.72	105	602	1630
	4/15/2008	*0.0439*	*0.981*	*0.0044*	*0.0625*	*0.0277*	*0.0256*	*<0.005*	*0.001950*	439	97.4	3250	1530
	9/21/2008	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	414	79.6	676	1000
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	419	65.3	658	1460
	5/18/2009	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	430	74.1	675	1490
	8/19/2009	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	0.000818	421	80.8	660	1510
	10/30/2009	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	394	89.7	614	1370
	10/28/2011	<0.01	0.0656	<0.001	<0.005	0.0057	<0.01	<0.005	0.000998	356	91.7	NS	NS
	2/22/2012	NA	10.9	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0108	0.0696	<0.001	<0.005	<0.005	<0.01	<0.005	0.000338	283	94.0	577	1400
	10/3/2012	<0.01	0.0672	<0.001	<0.005	<0.005	<0.01	<0.005	0.00106	259	99.2	595	1450
MW-11	4/30/2008	*<0.01*	*0.159*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*0.000224*	213	128	528	1120 L2
	9/21/2008	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	524	130	553	1440
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	9.82	51.7	547	1510
	5/18/2009	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	503	125	572	1490
	8/19/2009	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	517	121	577 M8	1550
	10/30/2009	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	502	127	539	1350
	10/28/2011	<0.01	0.051	<0.001	<0.005	0.005	<0.01	<0.005	<0.0002	428	117	NS	NS
	2/22/2012	NA	0.0529	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0142	0.0531	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	422	124	452	1570
	10/3/2012	0.0171	0.0551	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	405	121	490	1500
MW-12	4/30/2008	*0.0278*	*2.23*	*<0.001*	*0.0132*	*0.0082*	*<0.01*	*<0.005*	*<0.0002*	10.7	8.19	995	657 L2
	9/21/2008	0.0238	5.10	0.00130	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	25.1	1.62	755	708
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	31.2	<1.00	738	734
	5/19/2009	0.0233	5.82	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	30.3	<1.00	777	2390
	8/19/2009	0.0177	6.02	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.2	<1.00	778	750
	10/30/2009	0.0196	6.63	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	24.7	<1.00	727	1260
	10/28/2011	0.01	7.88	<0.001	<0.005	0.0063	<0.01	<0.005	<0.0002	17.5	1.32	NA	NA
	2/22/2012	NA	4.01	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0133	8.44	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	13.4	1.18	707	757
	10/3/2012	<0.01	8.32	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	15.3	<1.00	694	724
MW-13	4/30/2008	*0.0227*	*1.41*	*<0.001*	*0.0134*	*0.0104*	*<0.01*	*<0.005*	*<0.0002*	61.9	209	870	1920 A-01, L2
	9/21/2008	0.0377	3.54	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200 M2	4.62	1.20	751	748
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	4.77	<1.00	751	776
	5/19/2009	0.0321	4.04	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.99	<1.00	800	252
	8/19/2009	0.0249	4.44	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.76	<1.00	781	800
	10/30/2009	0.0275	4.47	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.99	1.4	745	580
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1.0	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-14	4/30/2008	*0.0172*	*0.193*	*<0.001*	*0.0063*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	5.21	195	780	919 L2
	9/21/2008	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.71	19.7	647	668 [1]
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	9.82	3.13	623	672
	5/19/2009	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.85	11.2	663	698
	8/19/2009	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.14	15.7	656	702
	10/30/2009	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.01	16.7	604	510
	10/28/2011	0.0325	0.38	<0.001	<0.005	0.0058	<0.01	<0.005	<0.0002	4.42	17.7	NS	NS
	2/22/2012	NA	0.293	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0592	0.318	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.82	26.2	582	712
	10/3/2012	0.0308	0.294	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.47	20.3	593	733
MW-15	4/30/2008	*0.0259*	*2.16*	*<0.001*	*0.0152*	*0.0084*	*<0.01*	*0.0065*	*<0.0002*	8.74	31.9	1050	641 L2
	9/21/2008	0.0282	5.87	0.0014	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	10.4	1.02	808	724 [1]
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0267	6.47	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	10.0	<1.00	886	850
	8/19/2009	0.0254	6.05	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.6	<1.00	891	850
	10/30/2009	0.0256	4.5	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.41	<1.00	738	570
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	*0.0107*	*1.02*	*<0.001*	*0.0097*	*0.0058*	*<0.01*	*<0.005*	*<0.0002*	16.6	52.5	750	726 A-01, L2
	9/21/2008	0.0153	1.40	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	9.87	3.28	762	716
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	8.03	<1.00	756	730
	5/18/2009	0.0167	1.59	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.84	1.69	783	776
	8/19/2009	0.0136	1.73	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	9.37	1.67	791	750
	10/30/2009	0.0136	1.79	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.38	1.83	732	410
	10/30/09 Dup.	0.0152	2.04	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.8	1.51	730	260
	10/28/2011	0.0142	2.21	0.0051	<0.005	0.0074	<0.01	<0.005	<0.0002	6.19	2.08	NS	NS
	2/22/2012	NA	2.15	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0147	1.86	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.83	2.32	726	788
	10/3/2012	0.0193	1.93	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7	1.81	721	769
MW-17	8/19/2009	0.0475	1.98	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.7	1.09	748	725
	10/30/2009	0.0541	1.69	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11	<1.00	719	210
	10/28/2011	0.036	3.61	<0.001	<0.005	0.0065	<0.01	<0.005	<0.0002	7.35	1.34	NS	NS
	2/22/2012	NA	0.0716	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0238	0.0206	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.93	1.43	714	747
	10/3/2012	0.0418	4.51	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7.12	<1.00	698	718
MW-18	8/19/2009	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	113	232	961	1510
	10/30/2009	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.1	42.8	989	890
	10/28/2011	0.0102	0.138	<0.001	<0.005	0.0065	<0.01	<0.005	<0.0002	46.6	15.7	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	8/19/2009	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	29.6	145	224	554
	10/30/2009	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	23.1	148	209	380
	10/28/2011	0.0197	0.0321	<0.001	<0.005	0.0052	<0.01	<0.005	<0.0002	30	140	NS	NS
	2/22/2012	NA	0.0574	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0237	0.0357	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	32.2	150	196	595
	10/3/2012	0.0308	0.0271	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	33.8	151	195	579
MW-20	8/19/2009	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	0.015	<0.00500	<0.000200	440	417	187	1580
	10/30/2009	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	0.0148	<0.00500	<0.000200	301	386	235	1230
	10/28/2011	<0.01	0.0521	<0.001	<0.005	0.0057	0.0212	<0.005	<0.0002	391	428	NS	NS
	2/22/2012	NA	0.0483	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0115	0.0481	<0.001	<0.005	<0.005	0.0295	<0.005	<0.0002	423	528	241	1870
	10/3/2012	0.0183	0.0476	<0.001	<0.005	<0.005	0.0382	<0.005	<0.0002	506	682	208	2090

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
NMAC Standards (mg/L)		0.1	1.0	0.01	0.05	0.05	0.05	0.05	0.002	---	---	---	---
MW-21	8/19/2009	0.0248	0.0263	<0.00100	<0.00500	<0.00500	0.0126	<0.00500	<0.000200	38.8	666	248	1360
	10/30/2009	0.0245	0.0216	<0.00100	<0.00500	<0.00500	0.0146	<0.00500	<0.000200	39.3	816	222	1340
	10/28/2011	0.0311	0.0155	0.004	<0.005	0.0052	0.0107	<0.005	<0.0002	26.7	634	NS	NS
	2/22/2012	NA	0.018	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0349	0.0161	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	21.1	559	232	1270
	10/3/2012	0.0435	0.0131	<0.001	<0.005	<0.005	0.011	<0.005	<0.0002	23.3	597	242	1260
MW-22	10/30/2009	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	42.4	266	213	630
	10/28/2011	0.018	0.023	<0.001	<0.005	0.0059	<0.01	<0.005	<0.0002	41.3	288	NS	NS
	2/22/2012	NA	0.0209	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0353	4.49	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	40.1	274	206	806
	10/3/2012	0.0232	0.0197	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	42.5	280	223	792
MW-23	2/22/2012	0.0258	0.061	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	0.0307	0.0392	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.06	91.9	425	652
	10/3/2012	0.0335	0.0334	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.34	79.4	412	654
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	0.062	7.1	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	0.0135	0.0408	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	0.0123	0.0391	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	19.5	136	304	723
	10/3/2012	0.0198	0.0296	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	24	165	307	736
SB-1GW	10/28/2011	<0.01	0.0808	<0.001	<0.005	0.0053	<0.01	<0.005	<0.0002	9.4	77.8	NA	NA
SB-2GW	10/28/2011	0.0139	0.134	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	156	307	NA	NA
SB-3GW	10/28/2011	0.0338	7.8	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	2.84	2.3	NA	NA
SB-4GW	10/28/2011	0.0296	3.44	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.9	2.8	NA	NA
SB-5GW	10/28/2011	<0.01	0.0971	<0.001	<0.005	<0.005	0.0105	<0.005	<0.0002	180	421	NA	NA
SB-6GW	10/28/2011	0.0116	0.0343	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7.04	290	NA	NA
SB-7GW	10/28/2011	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.58	38.6	NA	NA

Notes:
Bold = above NMWQCC Standards
I Metal concentrations shown *in italics* represent total metals concentrations. Metal concentrations that are not italicized represent dissolved metals concentrations.
NA - Not Analyzed
NS - Not Sampled
(a) Sample collected on 9/26/08
A-01 = Could not obtain constant weight.
L1 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
M2/M8 - The matrix spike and/or matrix spike duplicate were below the acceptance limits due to sample matrix interference.
B - Analyte was detected in the associated method blank.

APPENDIX B
FIELD LOGS

Cardno
Shaping the Future

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Daily Field Report

Project ID #: Gladiola Station Cardno Job # 01361220 15
Subject: Groundwater M&S Date: 12-7-15
Equipment Used: Oil Water Interface Probe, Hand Tools Sheet: 1 of 1
Name(s): Ali Alibhai, Dave Purdy, Travis McKee
Time Arrived On Site: 1300 Time Departed Site: 1600 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:"

1300 1400- Onsite. Conducted tailgate safety meeting, review job scope, issue EMES work permit
1330- Began gauging wells
1545- Completed gauging wells. Secured equipment on trucks, secured site.
1600 - offsite

Cardno
Shaping the Future

Daily Field Report

Project ID #: Gladiola Station — Cardno Job #
Subject: Groundwater M&S — Date: 12/8/15
Equipment Used: Bailers, String, Bladder Pump, Rental Trucks — Sheet: 1 of 1
Name(s): Ali Alikhai, Dave Purdy, Travis McKee
Time Arrived On Site: 0745 — Time Departed Site: 1615 — 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:"

0745- AA/DPL-TM onsite, conduct tailgate safety meeting, review job scope, issue EMES Work Permit
0810- Began setting up calibrated equipment. Solution – 4.0 Ph, 4.49 conductivity 0 turbidity. ~~Calibration~~ readings- Pre-cal: 3.86 Ph, 4.30 Cond, 4.4 NTU. Calibrated, 4.0 Ph, 4.49 cond, 0 Turbidity
0845- Began purging and sampling. See data sheets for details, AA/TM sampling, DP NAPL Bailing
1215 – Lunch break
1240- Resumed sampling
1550- Completed sampling for the day. Decon'ed equipment, disposed of waste water from bucket to drum, secured all equipment on and in truck, placed trash ~~onsite~~ onsite, secured site
1615 – AA offsite

Cardno
Shaping the Future

Daily Field Report

Project ID #: Gladiola Station — Cardno Job #: 3612
Subject: Groundwater M&S, Drum Pick-up — Date: 12/9/15
Equipment Used: Bladder Pump, Trucks, Drum Dolly — Sheet: 1 of 1
Name(s): Ali Alibhai, Travis McKee
Time Arrived On Site: 0845 — Time Departed Site: 1200 — 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:"

0845- Onsite, conduct tailgate safety meeting, issue EMES Permit, calibrate equipment
0900- Began setting up. Alamo 1 onsite early, waiting on stand by.
0920- ~~Began Sampling at MW19~~ Began purging MW19. See data sheet for details
0945- Collected sample, broke down equipment.
1010- Setup to perform bailer test on MW17 due to sheen present in prev. Conducted bailer test, sheen present in bailer and in bucket
1030- Back onsite. AA with drum pick up, TM ~~with~~ packing coolers
1055- Collected Field Blank
1105- Collected Equipment Blank
1115- AA back with Alamo 1 to sign manifests/Bill of lading
1125- Alamo 1 offsite
1130- Completed coolers, took site photos, secured site and equipment.
1135- TM offsite, AA completing paperwork
1200- AA offsite to Hobbs
1300- Arrive at hotel, make copies of COC's, prepare coolers for shipping
1345- Depart hotel for Fedex to dropoff samples

Cardno

Fluid-Level Monitoring Well Log

Site Location: Tatum, NM	Project Name: Gladiola Station
Personnel: Ali Alibhai, Travis McKee, Dave Purdy	Project Number: 013612
Gauging Instrument:	Date(s): 12/7/15

Well Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks		
MW-3	12-7-15	1338	—	35.39	35.30				
MW-4	12-7-15	1341	—	36.71	36.08	0.	~~4" PVC~~		
MW-1	12-7-15	1344	—	36.87	36.45	0.42			
MW-7	12-7-15	1347	—	35.76	35.76	0.01			
MW-16	12-7-15	1350	—	38.61	37.90	0.71	4" PVC		
MW-6	12-7-15	1354	41.51	~~41.51~~	38.60	—	4" PVC		
MW-9	12-7-15	1400	—	40.51	40.27	0.24			
MW-10	12-7-15	1404	42.48	40.91	—	—	not enough to sample		
MW-11	12-7-15	1408	48.01	40.29	—	—	4" PVC		
MW-22	12-7-15	1413	47.71	40.62	—	—	4" PVC		
MW-12	12-7-15	1416	—	40.66	39.63	1.03	4" PVC		
MW-17	12-7-15	1420	—	39.72	~~39.72~~		4" PVC		
MW-25	12-7-15	1424	—	40.46	38.41	2.05	2" PVC		
MW-26	12-7-15	1429	45.06	39.58	—	—			
MW-20	12-7-15	1442	47.90	39.90	38.88	0.92			
MW-21	12-7-15	1444	48.19	38.85	—	—	2" PVC		
MW-23	12-7-15	1448	46.36	39.01	—	—	2" PVC		
MW-19	12-7-15	1452	44.30	38.68	—	—	4" PVC		
MW-14	12-7-15	1455	—	41.49	37.81	3.68	4" PVC		
MW-5	12-7-15	1501	—	41.09	38.11	2.88	2" PVC		
MW-15	12-7-15	1507	—	40.31	38.12	2.19	4" PVC		
MW-24	12-7-15	1511	—	42.51	37.01	5.50	2" PVC		
MW-13	12-7-15	1516	—	41.31	38.15	3.16	4" PVC		
MW-18	12-7-15	1522	—	39.15	38.81	0.34	4" PVC		

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/8/15				
Weather: 48°, 15mph wind, cloudy				
WELL ID MW6				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
0845	38.61	41.51	125	~~+1.99~~	~~0.002~~	~~3~~			
0858	37.41			13.50	0.627	6.22	9.56	368	111
0902	38.91			15.82	0.589	7.05	9.49	-62	57.0
0905	38.99			16.25	0.586	7.14	8.30	~~-334~~ -74	26.5
0909	39.13			16.54	0.585	7.18	7.95	-145	14.1
0912	39.18			16.58	0.584	7.18	7.85	-148	11.0
0915	39.21			16.65	0.584	7.18	7.55	-154	6.9

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	39.21		F	TD:	41.51	DTW final: 39.21
DTW initial	38.61		0.163	DTW$_i$:	38.61	
			0.652	h:	2"	TIME: 0915
Drawdown:			1.457	csg vol:	0.47	

COMMENTS

W-39-MW6

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/8/15				
Weather: 62°, 20mph wind				
WELL ID MW11				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
1000	40.28	48.01	100	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1012	40.38			15.44	1.76	7.20	1.94	108	0.0
1015	40.39			16.11	1.77	7.20	0.63	93	0.0
1018	40.40			16.31	1.78	7.19	0.36	91	0.0
1022	40.43			16.56	1.79	7.19	0.09	88	0.0
1026	40.45			16.79	1.79	7.18	0.00	86	0.0

Depth to Pump Intake	47	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume			Liters	1 GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	40.45	F	TD: 48.01	DTW final: 40.45	
DTW initial	40.28	0.163	DTW$_i$: 40.28		
		0.652	4" h:	TIME: 1030	
Drawdown:		1.457	csg vol:		

COMMENTS

W-40-MW11

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/9/15				
Weather: 12/9/15 - 52°, 8mph wind				
WELL ID MW19				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
0915	38.72	44.30	125	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0929	38.84			16.10	0.601	8.04	1.69	83	0.0
0932	38.91			16.66	0.601	7.77	0.60	86	0.0
0935	38.98			16.99	0.601	7.68	0.50	82	0.0
0938	39.00			17.16	0.601	7.65	0.44	78	0.0
0941	39.05			17.31	0.601	7.63	0.38	73	0.0

Depth to Pump Intake		Feet	1000 mL=1 Liter	1 gallon=3.785 Liters
Total Purge Volume			Liters	GALLONS
			WELL INFORMATION	SAMPLE COLLECTION
DTW final:		F	TD:	DTW final: 39.05
DTW initial		0.163	DTW$_i$:	
		0.652	h: 4"	TIME: 0945
Drawdown:		1.457	csg vol:	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/8/15				
Weather: 73°, 15mph wind, cloudy				
WELL ID MW21				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
1350	38.88	48.19	100	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1359	38.89			19.30	0.793	7.94	1.85	135	0.0
1402	38.98			19.17	0.795	7.76	0.30	140	0.0
1405	39.03			19.04	0.795	7.72	0.0	139	0.0
1408	39.06			19.00	0.795	7.70	0.0	137	0.0
1411	39.08			18.94	0.795	7.69	0.0	135	0.0

Depth to Pump Intake		Feet	1000 mL=1 Liter	1 gallon=3.785 Liters
Total Purge Volume			Liters	GALLONS
			WELL INFORMATION	SAMPLE COLLECTION
DTW final:	39.08	F	TD: 48.19	DTW final: 39.08
DTW initial	38.88	0.163	DTW$_i$: 38.88	
		0.652	4" h:	TIME: 1420
Drawdown:		1.457	csg vol:	

COMMENTS

W-39-MW21

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/8/15				
Weather: 66°, 15mph wind, cloudy				
WELL ID MW22				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg C F		unit	mg/L	mV	
1110	40.62	47.71	100	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1122	40.68			17.59	0.649	7.66	4.49	132	0.0
1125	40.74			17.68	0.641	7.73	3.61	131	0.0
1128	40.77			17.73	0.637	7.88	3.33	129	0.0
1131	40.79			17.75	0636	7.86	3.26	131	0.0
1134	40.80			17.77	0.637	7.85	3.17	133	0.0

Depth to Pump Intake	46.5 Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume		Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.80		F	TD:	47.71	DTW final: 40.80
DTW initial	40.62		0.163	DTW$_i$:	40.62	
			0.652	4" h:	7.09	TIME: 1140
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/8/15				
Weather: 69°, 20mph wind				
WELL ID MW23				

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	
1500	39.11	46.36	125	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1511	39.23			19.17	0.602	7.81	2.99	-288	61.4
1514	39.31			19.01	0600	7.69	0.0	-296	49.9
1517	39.34			18.82	0.599	7.58	0.0	-301	37.2
1520	39.40			18.75	0.598	7.58	0.0	-302	29.1
1523	39.43			18.69	0.597	7.57	0.0	-302	21.3
1526	39.44			18.64	0.596	7.57	0.0	-301	16.5

Depth to Pump Intake	45'	Feet	1000 mL=1 Liter	1 gallon=3.785 Liters	
Total Purge Volume			Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:	39.44	F	TD: 46.36	DTW final : 39.44	
DTW initial	39.11	0.163	DTW$_i$: 39.11		
		0.652	2" h:	TIME: 1530	
Drawdown:		1.457	csg vol:		

COMMENTS

W-39-MW23

Cardno Job #: 3612	Quarter: 4		Year: 2015	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Tech.: Ali Alibhai / Travis McKee				
DATE: 12/6/15				
Weather: 70°, 20mph wind, cloudy				
WELL ID MW26				

TIME	DTW	Total Depth	Pump Rate (Q)	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet		mL/min	deg (C) F	mS/cm	unit	mg/L	mV	NTU
1240	39.61	45.06	100	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1250	39.76			18.65	0.743	7.59	5.58	141	138
1253	39.81			18.53	0.740	7.41	3.49	151	144
1256	39.88			18.55	0.738	7.38	3.11	154	113
1259	39.94			18.49	0.737	7.40	2.95	155	70.0
1302	39.97			18.43	0.737	7.44	3.14	155	49.4
1305	39.99			18.44	0.736	7.51	2.93	153	35.6
1308	40.00			18.41	0.704	7.77	2.84	144	41.5
1311	40.01			18.40	0.738	7.57	2.77	152	23.6
1314	40.01			18.41	0.737	7.65	2.78	149	23.3

Depth to Pump Intake		44'	Feet	1000 mL=1 Liter		1 gallon=3.785 Liters
Total Purge Volume				Liters		GALLONS
				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			F	TD:	45.06	DTW final:
DTW initial	39.61		0.163	DTW$_i$:	39.61	40.01
			0.652	4" h:		TIME:
Drawdown:			1.457	csg vol:		1320

COMMENTS

W-40-MW26

NAPL BAILING RECORD - FIELD LOG						
CLIENT NAME: EXXONMOBIL - GLADIOLA STATION						
SITE LOCATION:	Tatum, NM					
FIELD CREW: DMP	DATE: 12/07/15					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW4	8:48 AM	37.34	36.71	0.63	7.56	0.5
	8:55 AM				5.25	0.25
	9:00 AM				3.00	0.25
	9:05 AM				2.00	0.25
	9:10 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)
MW1	8:24 AM	37.29	36.87	0.42	5.04	0.5
	8:29 AM				3.75	0.5
	8:34 AM				2.50	0.5
	8:39 AM				1.50	0.25
	8:44 AM				0.25	0.25
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)
MW9	2:25 PM	40.75	40.51	0.24	2.88	0.5
	2:28 PM				2.00	0.5
	2:31 PM				1.00	0.25
	2:34 PM				0.75	0.25
	2:38 PM				0.25	0.25
SW					TOTAL	1.75
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)
MW12	9:15 AM	41.69	40.66	1.03	12.36	0.5
	9:20 AM				8.00	0.75
	9:25 AM				6.00	0.5
	9:27 AM				3.00	0.5
	9:30 AM				1.50	0.25
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)
MW25	2:05 PM	43.01	40.96	2.05	24.60	0.5
	2:09 PM				15.00	0.5
	2:13 PM				6.00	0.5
	2:17 PM				3.00	0.25
	2:20 PM				1.00	0.25
SW					TOTAL	2.00
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: DMP	DATE: 12/07/15					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW20	1:15 PM	40.82	39.9	0.92	11.04	0.5
	1:19 PM				11.00	0.5
	1:23 PM				11.00	0.5
	1:27 PM				11.00	0.25
	1:32 PM				11.00	0.25
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. NEVER SAW A REDUCTION IN QUANTITY IN BAILER.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW14	11:40 AM	45.17	41.49	3.68	44.16	0.5
	11:45 AM				44.16	1
	11:50 AM				44.00	0.75
	12:00 PM				44.16	0.5
	12:10 PM				44.16	0.25
SW					TOTAL	3.00
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY. BAILING DID NO					
	REDUCE NAPL THICKNESS IN THIS WELL. NAPL KEPT RECHARGING. NEVER SAW A REDUCTION IN QUANTITY IN BAILER.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW5	11:10 AM	44.07	41.09	2.98	35.76	0.5
	11:15 AM				25.00	0.5
	11:20 AM				12.00	0.75
	11:25 AM				6.00	0.5
	11:30 AM				1.00	0.25
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)
MW15	10:40 AM	42.5	40.31	2.19	25.20	0.5
	10:45 AM				25.00	0.75
	10:50 AM				25.00	0.75
	10:55 AM				24.50	0.75
	11:05 AM				24.00	0.25
SW					TOTAL	3.00
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 REDUCTION IN QUANTITY IN BAILER.					
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW24	10:10 AM	48.01	42.51	5.50	66.00	0.75
	10:15 AM				30.00	0.5
	10:18 AM				15.00	0.5
	10:20 AM				6.00	0.5
	10:30 AM				1.00	0.25
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: DMP		DATE: 12/07/15				
		DEPTH TO	DEPTH TO	*NAPL*	*NAPL*	PRG
WELL #	TIME	NAPL	WATER	*THICKNESS (FEET)*	*THICKNESS (INCHES)*	VOL (GAL)
MW13	12:30 PM	44.47	41.31	3.16	37.92	0.75
	12:35 PM				30.00	0.75
	12:40 PM				15.00	0.75
	12:50 PM				6.00	0.5
	12:55 PM				1.00	0.25
SW					TOTAL	3.00
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	2:43 PM	39.32	38.61	0.71	8.52	0.5
	2:47 PM				5.50	0.5
	2:50 PM				1.75	0.75
	2:54 PM				0.75	0.5
	2:57 PM				0.25	0.25
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)
MW18	2:49 PM	39.49	39.15	0.34	4.08	0.5
	2:53 PM				2.50	0.5
	2:57 PM				1.50	0.25
	3:02 PM				0.50	0.25
	3:07 PM				0.25	0.25
SW					TOTAL	1.75
COMMENTS	VISCOUS, LOOKS ALMOST LIKE GASOLINE, SMELLS STRONGLY OF HC, NOT OILY.					

APPENDIX C
LABORATORY ANALYTICAL REPORT

Cardno
Shaping the Future

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 490-93648-1
Client Project/Site: Gladiola Station

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

Attn: Dave Purdy

Authorized for release by:
12/29/2015 1:28:15 PM

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

Table of Contents

Sample Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-93648-1	W-39-MW6	Ground Water	12/08/15 09:15	12/10/15 10:00
490-93648-2	W-40-MW11	Ground Water	12/08/15 10:30	12/10/15 10:00
490-93648-3	W-40-MW22	Ground Water	12/08/15 11:40	12/10/15 10:00
490-93648-4	W-40-MW26	Ground Water	12/08/15 13:20	12/10/15 10:00
490-93648-5	W-39-MW21	Ground Water	12/08/15 14:20	12/10/15 10:00
490-93648-6	W-39-MW23	Ground Water	12/08/15 15:30	12/10/15 10:00
490-93648-7	W-39-MW19	Ground Water	12/09/15 09:30	12/10/15 10:00
490-93648-8	W-FB	Water	12/09/15 10:55	12/10/15 10:00
490-93648-9	W-EB	Water	12/09/15 11:05	12/10/15 10:00

Case Narrative

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Job ID: 490-93648-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-93648-1

Comments
No additional comments.

Receipt
The samples were received on 12/10/2015 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 1.7º C, 1.8º C, 2.3º C and 2.8º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 490-305992 recovered outside control limits for the following analytes: Chloromethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method(s) 8270C SIM: The laboratory control sample (LCS) for preparation batch 490-306301 recovered outside control limits for several analytes. The following associated samples were re-prepared and/or re-analyzed outside holding time with concurring results. The re-extraction and re-analysis also had low LCS recoveries. Additional re-extraction was not possible due to insufficient volume.

Method(s) 8270C SIM: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 490-306301 recovered outside control limits for several analytes.

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 490-306301 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

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, 02: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-305806 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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 ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

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

Glossary

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

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW6
Date Collected: 12/08/15 09:15
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-1
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			12/13/15 08:05	1
1,1,1-Trichloroethane	ND	F1	0.00100		mg/L			12/13/15 08:05	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 08:05	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 08:05	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:05	1
1,1-Dichloroethene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
1,1-Dichloropropene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 08:05	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
1,2,4-Trimethylbenzene	**0.00388**		0.00100		mg/L			12/13/15 08:05	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 08:05	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 08:05	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:05	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:05	1
1,3,5-Trimethylbenzene	**0.00472**		0.00100		mg/L			12/13/15 08:05	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:05	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:05	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 08:05	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:05	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 08:05	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:05	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 08:05	1
Acetone	ND		0.0250		mg/L			12/13/15 08:05	1
Benzene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 08:05	1
Bromochloromethane	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 08:05	1
Bromoform	ND		0.00100		mg/L			12/13/15 08:05	1
Bromomethane	ND		0.00100		mg/L			12/13/15 08:05	1
Carbon disulfide	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 08:05	1
Chlorobenzene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 08:05	1
Chloroethane	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Chloroform	ND		0.00100		mg/L			12/13/15 08:05	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 08:05	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:05	1
cis-1,3-Dichloropropene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 08:05	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 08:05	1
Ethylbenzene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 08:05	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 08:05	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 08:05	1
Methylene Chloride	ND	F1	0.00500		mg/L			12/13/15 08:05	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW6
Date Collected: 12/08/15 09:15
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-1
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			12/13/15 08:05	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:05	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 08:05	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 08:05	1
sec-Butylbenzene	**0.00107**		0.00100		mg/L			12/13/15 08:05	1
Styrene	ND		0.00100		mg/L			12/13/15 08:05	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:05	1
Tetrachloroethene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Toluene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
trans-1,2-Dichloroethene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:05	1
Trichloroethene	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 08:05	1
Vinyl chloride	ND	F1	0.00100		mg/L			12/13/15 08:05	1
Xylenes, Total	ND	F1	0.00300		mg/L			12/13/15 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/13/15 08:05*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/13/15 08:05*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*12/13/15 08:05*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/13/15 08:05*	*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		12/15/15 08:55	12/17/15 19:58	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Fluorene	**0.000168**	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Naphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
1-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1
2-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*13 - 120*	*12/15/15 08:55*	*12/17/15 19:58*	*1*
Nitrobenzene-d5	*39*		*27 - 120*	*12/15/15 08:55*	*12/17/15 19:58*	*1*
2-Fluorobiphenyl (Surr)	*50*		*29 - 120*	*12/15/15 08:55*	*12/17/15 19:58*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW6
Date Collected: 12/08/15 09:15
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-1
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0149**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:25	1
Barium	**0.226**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:25	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:25	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:25	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:25	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:25	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/10/15 20:31	12/14/15 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**18.4**	**F1**	2.00		mg/L			12/11/15 10:13	1
Alkalinity	**502**		10.0		mg/L			12/10/15 20:41	1
Total Dissolved Solids	**581**		10.0		mg/L			12/10/15 18:28	1
Chloride	**4.56**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW11
Date Collected: 12/08/15 10:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-2
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			12/13/15 08:32	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:32	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:32	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 08:32	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 08:32	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 08:32	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:32	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:32	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:32	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 08:32	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:32	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 08:32	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:32	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 08:32	1
Acetone	ND		0.0250		mg/L			12/13/15 08:32	1
Benzene	ND		0.00100		mg/L			12/13/15 08:32	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 08:32	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 08:32	1
Bromoform	ND		0.00100		mg/L			12/13/15 08:32	1
Bromomethane	ND		0.00100		mg/L			12/13/15 08:32	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 08:32	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 08:32	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 08:32	1
Chloroethane	ND		0.00100		mg/L			12/13/15 08:32	1
Chloroform	ND		0.00100		mg/L			12/13/15 08:32	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 08:32	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:32	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:32	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 08:32	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 08:32	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 08:32	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 08:32	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 08:32	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW11
Date Collected: 12/08/15 10:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-2
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			12/13/15 08:32	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 08:32	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Styrene	ND		0.00100		mg/L			12/13/15 08:32	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:32	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 08:32	1
Toluene	ND		0.00100		mg/L			12/13/15 08:32	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:32	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:32	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 08:32	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 08:32	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 08:32	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 08:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*12/13/15 08:32*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*12/13/15 08:32*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*12/13/15 08:32*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/13/15 08:32*	*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		12/15/15 08:55	12/17/15 20:23	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Fluorene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Naphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
1-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1
2-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*13 - 120*	*12/15/15 08:55*	*12/17/15 20:23*	*1*
Nitrobenzene-d5	*44*		*27 - 120*	*12/15/15 08:55*	*12/17/15 20:23*	*1*
2-Fluorobiphenyl (Surr)	*49*		*29 - 120*	*12/15/15 08:55*	*12/17/15 20:23*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW11

Date Collected: 12/08/15 10:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-2

Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:29	1
Barium	**0.0462**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:29	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:29	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:29	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:29	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:29	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**108**		10.0		mg/L			12/11/15 13:28	5
Alkalinity	**498**		10.0		mg/L			12/10/15 20:47	1
Total Dissolved Solids	**1270**		20.0		mg/L			12/10/15 18:28	1
Chloride	**272**		10.0		mg/L			12/23/15 10:59	10

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW22
Date Collected: 12/08/15 11:40
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-3
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			12/13/15 08:59	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:59	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:59	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 08:59	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 08:59	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 08:59	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:59	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:59	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 08:59	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 08:59	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:59	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 08:59	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 08:59	1
Acetone	ND		0.0250		mg/L			12/13/15 08:59	1
Benzene	ND		0.00100		mg/L			12/13/15 08:59	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 08:59	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 08:59	1
Bromoform	ND		0.00100		mg/L			12/13/15 08:59	1
Bromomethane	ND		0.00100		mg/L			12/13/15 08:59	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 08:59	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 08:59	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 08:59	1
Chloroethane	ND		0.00100		mg/L			12/13/15 08:59	1
Chloroform	ND		0.00100		mg/L			12/13/15 08:59	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 08:59	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:59	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:59	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 08:59	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 08:59	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 08:59	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 08:59	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 08:59	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW22
Date Collected: 12/08/15 11:40
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-3
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			12/13/15 08:59	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 08:59	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Styrene	ND		0.00100		mg/L			12/13/15 08:59	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 08:59	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 08:59	1
Toluene	ND		0.00100		mg/L			12/13/15 08:59	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 08:59	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 08:59	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 08:59	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 08:59	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 08:59	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/13/15 08:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*12/13/15 08:59*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*12/13/15 08:59*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/13/15 08:59*	*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		12/15/15 08:55	12/17/15 20:49	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Fluorene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Naphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
1-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1
2-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*13 - 120*	*12/15/15 08:55*	*12/17/15 20:49*	*1*
Nitrobenzene-d5	*41*		*27 - 120*	*12/15/15 08:55*	*12/17/15 20:49*	*1*
2-Fluorobiphenyl (Surr)	*43*		*29 - 120*	*12/15/15 08:55*	*12/17/15 20:49*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW22
Date Collected: 12/08/15 11:40
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-3
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0176**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:34	1
Barium	**0.0221**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:34	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:34	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:34	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:34	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:34	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**204**		20.0		mg/L			12/11/15 13:49	10
Alkalinity	**260**		10.0		mg/L			12/10/15 20:53	1
Total Dissolved Solids	**689**		10.0		mg/L			12/10/15 18:28	1
Chloride	**33.2**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW26
Date Collected: 12/08/15 13:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-4
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			12/13/15 09:25	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:25	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:25	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 09:25	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 09:25	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 09:25	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:25	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:25	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:25	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 09:25	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 09:25	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 09:25	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 09:25	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 09:25	1
Acetone	ND		0.0250		mg/L			12/13/15 09:25	1
Benzene	ND		0.00100		mg/L			12/13/15 09:25	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 09:25	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 09:25	1
Bromoform	ND		0.00100		mg/L			12/13/15 09:25	1
Bromomethane	ND		0.00100		mg/L			12/13/15 09:25	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 09:25	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 09:25	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 09:25	1
Chloroethane	ND		0.00100		mg/L			12/13/15 09:25	1
Chloroform	ND		0.00100		mg/L			12/13/15 09:25	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 09:25	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:25	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:25	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 09:25	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 09:25	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 09:25	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 09:25	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 09:25	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW26
Date Collected: 12/08/15 13:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-4
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			12/13/15 09:25	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 09:25	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Styrene	ND		0.00100		mg/L			12/13/15 09:25	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:25	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 09:25	1
Toluene	ND		0.00100		mg/L			12/13/15 09:25	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:25	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:25	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 09:25	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 09:25	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 09:25	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/13/15 09:25*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*12/13/15 09:25*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*12/13/15 09:25*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/13/15 09:25*	*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		12/15/15 08:55	12/17/15 21:14	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Fluorene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Naphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
1-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1
2-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*13 - 120*	*12/15/15 08:55*	*12/17/15 21:14*	*1*
Nitrobenzene-d5	*49*		*27 - 120*	*12/15/15 08:55*	*12/17/15 21:14*	*1*
2-Fluorobiphenyl (Surr)	*53*		*29 - 120*	*12/15/15 08:55*	*12/17/15 21:14*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW26
Date Collected: 12/08/15 13:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-4
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0161**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:38	1
Barium	**0.0530**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:38	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:38	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:38	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:38	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:38	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**204**		20.0		mg/L			12/11/15 15:35	10
Alkalinity	**336**		10.0		mg/L			12/10/15 20:59	1
Total Dissolved Solids	**781**		10.0		mg/L			12/10/15 18:28	1
Chloride	**24.8**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW21
Date Collected: 12/08/15 14:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-5
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			12/13/15 09:52	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:52	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:52	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 09:52	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 09:52	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 09:52	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:52	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:52	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 09:52	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 09:52	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 09:52	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 09:52	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 09:52	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 09:52	1
Acetone	ND		0.0250		mg/L			12/13/15 09:52	1
Benzene	**0.0124**		0.00100		mg/L			12/13/15 09:52	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 09:52	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 09:52	1
Bromoform	ND		0.00100		mg/L			12/13/15 09:52	1
Bromomethane	ND		0.00100		mg/L			12/13/15 09:52	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 09:52	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 09:52	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 09:52	1
Chloroethane	ND		0.00100		mg/L			12/13/15 09:52	1
Chloroform	ND		0.00100		mg/L			12/13/15 09:52	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 09:52	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:52	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:52	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 09:52	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 09:52	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 09:52	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 09:52	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 09:52	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW21
Date Collected: 12/08/15 14:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-5
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			12/13/15 09:52	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 09:52	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Styrene	ND		0.00100		mg/L			12/13/15 09:52	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 09:52	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 09:52	1
Toluene	ND		0.00100		mg/L			12/13/15 09:52	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 09:52	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 09:52	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 09:52	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 09:52	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 09:52	1
Xylenes, Total	**0.00780**		0.00300		mg/L			12/13/15 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*12/13/15 09:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*12/13/15 09:52*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*12/13/15 09:52*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/13/15 09:52*	*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		12/15/15 08:55	12/17/15 21:40	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Fluorene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Naphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
1-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1
2-Methylnaphthalene	ND		0.0000952		mg/L		12/15/15 08:55	12/17/15 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*72*		*13 - 120*	*12/15/15 08:55*	*12/17/15 21:40*	*1*
Nitrobenzene-d5	*48*		*27 - 120*	*12/15/15 08:55*	*12/17/15 21:40*	*1*
2-Fluorobiphenyl (Surr)	*55*		*29 - 120*	*12/15/15 08:55*	*12/17/15 21:40*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW21
Date Collected: 12/08/15 14:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-5
Matrix: Ground Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0344**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:42	1
Barium	**0.0138**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:42	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:42	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:42	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:42	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:42	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**323**		20.0		mg/L			12/11/15 13:29	10
Alkalinity	**286**		10.0		mg/L			12/10/15 21:06	1
Total Dissolved Solids	**875**		10.0		mg/L			12/10/15 18:28	1
Chloride	**10.3**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW23
Date Collected: 12/08/15 15:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-6
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		0.00100		mg/L			12/13/15 10:19	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:19	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:19	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 10:19	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
1,2,4-Trimethylbenzene	**0.0181**		0.00100		mg/L			12/13/15 10:19	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 10:19	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 10:19	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:19	1
1,3,5-Trimethylbenzene	**0.0330**		0.00100		mg/L			12/13/15 10:19	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:19	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:19	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 10:19	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 10:19	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 10:19	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 10:19	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 10:19	1
Acetone	ND		0.0250		mg/L			12/13/15 10:19	1
Benzene	**1.45**		0.0100		mg/L			12/16/15 12:06	10
Bromobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 10:19	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 10:19	1
Bromoform	ND		0.00100		mg/L			12/13/15 10:19	1
Bromomethane	ND		0.00100		mg/L			12/13/15 10:19	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 10:19	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 10:19	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 10:19	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 10:19	1
Chloroethane	ND		0.00100		mg/L			12/13/15 10:19	1
Chloroform	ND		0.00100		mg/L			12/13/15 10:19	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 10:19	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:19	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:19	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 10:19	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 10:19	1
Ethylbenzene	**0.239**		0.0100		mg/L			12/16/15 12:06	10
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 10:19	1
Isopropylbenzene	**0.0200**		0.00100		mg/L			12/13/15 10:19	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 10:19	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 10:19	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW23
Date Collected: 12/08/15 15:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.0266**		0.00500		mg/L			12/13/15 10:19	1
n-Butylbenzene	**0.00151**		0.00100		mg/L			12/13/15 10:19	1
N-Propylbenzene	**0.0132**		0.00100		mg/L			12/13/15 10:19	1
p-Isopropyltoluene	**0.00209**		0.00100		mg/L			12/13/15 10:19	1
sec-Butylbenzene	**0.00235**		0.00100		mg/L			12/13/15 10:19	1
Styrene	ND		0.00100		mg/L			12/13/15 10:19	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 10:19	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 10:19	1
Toluene	ND		0.00100		mg/L			12/13/15 10:19	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:19	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:19	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 10:19	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 10:19	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 10:19	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*12/13/15 10:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/16/15 12:06*	*10*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*12/13/15 10:19*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*12/16/15 12:06*	*10*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*12/13/15 10:19*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*12/16/15 12:06*	*10*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/13/15 10:19*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*12/16/15 12:06*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Acenaphthylene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Anthracene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Benzo[a]anthracene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Benzo[a]pyrene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Benzo[b]fluoranthene	ND		0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Benzo[g,h,i]perylene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Benzo[k]fluoranthene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Chrysene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Dibenz(a,h)anthracene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Fluorene	**0.000220**	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Fluoranthene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Indeno[1,2,3-cd]pyrene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Naphthalene	**0.0125**		0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Phenanthrene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
Pyrene	ND	*	0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
1-Methylnaphthalene	**0.00669**		0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2
2-Methylnaphthalene	**0.00559**		0.000190		mg/L		12/15/15 08:55	12/18/15 18:14	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*56*		*13 - 120*	*12/15/15 08:55*	*12/18/15 18:14*	*2*
Nitrobenzene-d5	*43*		*27 - 120*	*12/15/15 08:55*	*12/18/15 18:14*	*2*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW23
Date Collected: 12/08/15 15:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-6
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*41*		*29 - 120*	*12/15/15 08:55*	*12/18/15 18:14*	*2*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0452**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:55	1
Barium	**0.102**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:55	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:55	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:55	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:55	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:55	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**42.9**		4.00		mg/L			12/11/15 13:49	2
Alkalinity	**476**		10.0		mg/L			12/10/15 21:12	1
Total Dissolved Solids	**624**		10.0		mg/L			12/10/15 18:28	1
Chloride	**4.59**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW19
Date Collected: 12/09/15 09:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-7
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			12/13/15 10:46	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:46	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:46	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 10:46	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
1,2,4-Trimethylbenzene	**0.0614**		0.00100		mg/L			12/13/15 10:46	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 10:46	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 10:46	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:46	1
1,3,5-Trimethylbenzene	**0.0204**		0.00100		mg/L			12/13/15 10:46	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:46	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 10:46	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 10:46	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 10:46	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 10:46	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 10:46	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 10:46	1
Acetone	ND		0.0250		mg/L			12/13/15 10:46	1
Benzene	**0.00413**		0.00100		mg/L			12/16/15 11:12	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 10:46	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 10:46	1
Bromoform	ND		0.00100		mg/L			12/13/15 10:46	1
Bromomethane	ND		0.00100		mg/L			12/13/15 10:46	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 10:46	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 10:46	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 10:46	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 10:46	1
Chloroethane	ND		0.00100		mg/L			12/13/15 10:46	1
Chloroform	ND		0.00100		mg/L			12/13/15 10:46	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 10:46	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:46	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:46	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 10:46	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 10:46	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 10:46	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 10:46	1
Isopropylbenzene	**0.00874**		0.00100		mg/L			12/13/15 10:46	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 10:46	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 10:46	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW19
Date Collected: 12/09/15 09:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.0139**		0.00500		mg/L			12/13/15 10:46	1
n-Butylbenzene	**0.00143**		0.00100		mg/L			12/13/15 10:46	1
N-Propylbenzene	**0.00226**		0.00100		mg/L			12/13/15 10:46	1
p-Isopropyltoluene	**0.00139**		0.00100		mg/L			12/13/15 10:46	1
sec-Butylbenzene	**0.00186**		0.00100		mg/L			12/13/15 10:46	1
Styrene	ND		0.00100		mg/L			12/13/15 10:46	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 10:46	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 10:46	1
Toluene	ND		0.00100		mg/L			12/13/15 10:46	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 10:46	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 10:46	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 10:46	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 10:46	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 10:46	1
Xylenes, Total	**0.0714**		0.00300		mg/L			12/13/15 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*12/13/15 10:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*12/16/15 11:12*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*12/13/15 10:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*12/16/15 11:12*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*12/13/15 10:46*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*12/16/15 11:12*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/13/15 10:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/16/15 11:12*	*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		12/15/15 08:55	12/18/15 18:39	1
Acenaphthylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Benzo[a]anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Benzo[a]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Benzo[b]fluoranthene	ND		0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Benzo[g,h,i]perylene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Benzo[k]fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Chrysene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Dibenz(a,h)anthracene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Fluorene	**0.000153**	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Fluoranthene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Indeno[1,2,3-cd]pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Naphthalene	**0.00156**		0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Phenanthrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
Pyrene	ND	*	0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
1-Methylnaphthalene	**0.00147**		0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1
2-Methylnaphthalene	**0.000304**		0.0000952		mg/L		12/15/15 08:55	12/18/15 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*76*		*13 - 120*	*12/15/15 08:55*	*12/18/15 18:39*	*1*
Nitrobenzene-d5	*49*		*27 - 120*	*12/15/15 08:55*	*12/18/15 18:39*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW19
Date Collected: 12/09/15 09:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-7
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*29 - 120*	*12/15/15 08:55*	*12/18/15 18:39*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0275**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:59	1
Barium	**0.0242**		0.0100		mg/L		12/11/15 09:02	12/11/15 19:59	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 19:59	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:59	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:59	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 19:59	1
Silver	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 19:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		12/14/15 11:17	12/15/15 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**162**		10.0		mg/L			12/11/15 13:49	5
Alkalinity	**234**		10.0		mg/L			12/11/15 14:56	1
Total Dissolved Solids	**610**		10.0		mg/L			12/15/15 11:47	1
Chloride	**41.2**		1.00		mg/L			12/23/15 10:50	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-FB
Date Collected: 12/09/15 10:55
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:11	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:11	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 07:11	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 07:11	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 07:11	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:11	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:11	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:11	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 07:11	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 07:11	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 07:11	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 07:11	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 07:11	1
Acetone	ND		0.0250		mg/L			12/13/15 07:11	1
Benzene	ND		0.00100		mg/L			12/13/15 07:11	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 07:11	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 07:11	1
Bromoform	ND		0.00100		mg/L			12/13/15 07:11	1
Bromomethane	ND		0.00100		mg/L			12/13/15 07:11	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 07:11	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 07:11	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 07:11	1
Chloroethane	ND		0.00100		mg/L			12/13/15 07:11	1
Chloroform	**0.00132**		0.00100		mg/L			12/13/15 07:11	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 07:11	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:11	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:11	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 07:11	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 07:11	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 07:11	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 07:11	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 07:11	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-FB
Date Collected: 12/09/15 10:55
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			12/13/15 07:11	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 07:11	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Styrene	ND		0.00100		mg/L			12/13/15 07:11	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:11	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 07:11	1
Toluene	ND		0.00100		mg/L			12/13/15 07:11	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:11	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:11	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 07:11	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 07:11	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 07:11	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 07:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*12/13/15 07:11*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*12/13/15 07:11*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*12/13/15 07:11*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/13/15 07:11*	*1*

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-EB
Date Collected: 12/09/15 11:05
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:38	1
1,1-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:38	1
1,2,3-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,2,3-Trichloropropane	ND		0.00100		mg/L			12/13/15 07:38	1
1,2,4-Trichlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,2,4-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,2-Dibromo-3-Chloropropane	ND		0.0100		mg/L			12/13/15 07:38	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 07:38	1
1,2-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
1,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:38	1
1,3,5-Trimethylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,3-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
1,3-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:38	1
1,4-Dichlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
2,2-Dichloropropane	ND		0.00100		mg/L			12/13/15 07:38	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 07:38	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 07:38	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 07:38	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 07:38	1
4-Methyl-2-pentanone (MIBK)	ND		0.0100		mg/L			12/13/15 07:38	1
Acetone	ND		0.0250		mg/L			12/13/15 07:38	1
Benzene	ND		0.00100		mg/L			12/13/15 07:38	1
Bromobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 07:38	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 07:38	1
Bromoform	ND		0.00100		mg/L			12/13/15 07:38	1
Bromomethane	ND		0.00100		mg/L			12/13/15 07:38	1
Carbon disulfide	ND		0.00100		mg/L			12/13/15 07:38	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 07:38	1
Chlorobenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 07:38	1
Chloroethane	ND		0.00100		mg/L			12/13/15 07:38	1
Chloroform	**0.00117**		0.00100		mg/L			12/13/15 07:38	1
Chloromethane	ND	*	0.00100		mg/L			12/13/15 07:38	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:38	1
cis-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:38	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 07:38	1
Dichlorodifluoromethane	ND	*	0.00100		mg/L			12/13/15 07:38	1
Ethylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 07:38	1
Isopropylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Methyl tert-butyl ether	ND		0.00100		mg/L			12/13/15 07:38	1
Methylene Chloride	ND		0.00500		mg/L			12/13/15 07:38	1

Client Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-EB
Date Collected: 12/09/15 11:05
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/L			12/13/15 07:38	1
n-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
N-Propylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
p-Isopropyltoluene	ND		0.00100		mg/L			12/13/15 07:38	1
sec-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Styrene	ND		0.00100		mg/L			12/13/15 07:38	1
tert-Butylbenzene	ND		0.00100		mg/L			12/13/15 07:38	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 07:38	1
Toluene	ND		0.00100		mg/L			12/13/15 07:38	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 07:38	1
trans-1,3-Dichloropropene	ND		0.00100		mg/L			12/13/15 07:38	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 07:38	1
Trichlorofluoromethane	ND		0.00100		mg/L			12/13/15 07:38	1
Vinyl chloride	ND		0.00100		mg/L			12/13/15 07:38	1
Xylenes, Total	ND		0.00300		mg/L			12/13/15 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*12/13/15 07:38*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*12/13/15 07:38*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*12/13/15 07:38*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/13/15 07:38*	*1*

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: MB 490-305992/7
Matrix: Water
Analysis Batch: 305992

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			12/13/15 05:50	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
1,1-Dichloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/13/15 05:50	1
1,1-DichloroFroFene	ND		0.00100		mg/L			12/13/15 05:50	1
1,2,3-Trichlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,2,3-TrichloroFroFane	ND		0.00100		mg/L			12/13/15 05:50	1
1,2,4-Trichlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,2,4-Trimethzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,2-Dibromo-3-ChloroFroFane	ND		0.0100		mg/L			12/13/15 05:50	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/13/15 05:50	1
1,2-Dichlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
1,2-DichloroFroFane	ND		0.00100		mg/L			12/13/15 05:50	1
1,3,5-Trimethzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,3-Dichlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
1,3-DichloroFroFane	ND		0.00100		mg/L			12/13/15 05:50	1
1,4-Dichlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
2,2-DichloroFroFane	ND		0.00100		mg/L			12/13/15 05:50	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/13/15 05:50	1
2-Chlorotoluene	ND		0.00100		mg/L			12/13/15 05:50	1
2-Hexanone	ND		0.0100		mg/L			12/13/15 05:50	1
4-Chlorotoluene	ND		0.00100		mg/L			12/13/15 05:50	1
4-Methzl-2-Fentanone (MIBK)	ND		0.0100		mg/L			12/13/15 05:50	1
Acetone	ND		0.0250		mg/L			12/13/15 05:50	1
Benpene	ND		0.00100		mg/L			12/13/15 05:50	1
Bromobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Bromochloromethane	ND		0.00100		mg/L			12/13/15 05:50	1
Bromodichloromethane	ND		0.00100		mg/L			12/13/15 05:50	1
Bromoyorm	ND		0.00100		mg/L			12/13/15 05:50	1
Bromomethane	ND		0.00100		mg/L			12/13/15 05:50	1
Carbon disulyide	ND		0.00100		mg/L			12/13/15 05:50	1
Carbon tetrachloride	ND		0.00100		mg/L			12/13/15 05:50	1
Chlorobenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Chlorodibromomethane	ND		0.00100		mg/L			12/13/15 05:50	1
Chloroethane	ND		0.00100		mg/L			12/13/15 05:50	1
Chloroyorm	ND		0.00100		mg/L			12/13/15 05:50	1
Chloromethane	ND		0.00100		mg/L			12/13/15 05:50	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 05:50	1
cis-1,3-DichloroFroFene	ND		0.00100		mg/L			12/13/15 05:50	1
Dibromomethane	ND		0.00100		mg/L			12/13/15 05:50	1
Dichlorodiyuoromethane	ND		0.00100		mg/L			12/13/15 05:50	1
Ethzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/13/15 05:50	1
IsoFroFzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Methzl tert-butzl ether	ND		0.00100		mg/L			12/13/15 05:50	1

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: MB 490-305992/7
Matrix: Water
Analysis Batch: 305992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methzlene Chloride	ND		0.00500		mg/L			12/13/15 05:50	1
NaFhthalene	ND		0.00500		mg/L			12/13/15 05:50	1
n-Butzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
N-ProFzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
F-IsoFroFzltoluene	ND		0.00100		mg/L			12/13/15 05:50	1
sec-Butzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Stzrene	ND		0.00100		mg/L			12/13/15 05:50	1
tert-Butzlbenpene	ND		0.00100		mg/L			12/13/15 05:50	1
Tetrachloroethene	ND		0.00100		mg/L			12/13/15 05:50	1
Toluene	ND		0.00100		mg/L			12/13/15 05:50	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/13/15 05:50	1
trans-1,3-DichloroFroFene	ND		0.00100		mg/L			12/13/15 05:50	1
Trichloroethene	ND		0.00100		mg/L			12/13/15 05:50	1
Trichloroyluoromethane	ND		0.00100		mg/L			12/13/15 05:50	1
* inzl chloride	ND		0.00100		mg/L			12/13/15 05:50	1
v zlenes, Total	ND		0.00300		mg/L			12/13/15 05:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*57 - 107*		*123103I/ 7/ 8/ 7*	*1*
4-: roB orhuorof enbene (Surr)	*175*		*57 - 107*		*123103I/ 7/ 8/ 7*	*1*
Dif roB orhuoroB ethane (Surr)	*94*		*57 - 107*		*123103I/ 7/ 8/ 7*	*1*
Toluene-dz (Surr)	*9z*		*57 - 107*		*123103I/ 7/ 8/ 7*	*1*

Lab Sample ID: LCS 490-305992/3
Matrix: Water
Analysis Batch: 305992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0200	0.018V0		mg/L		93	V4 - 135
1,1,1-Trichloroethane	0.0200	0.01954		mg/L		98	V8 - 135
1,1,2,2-Tetrachloroethane	0.0200	0.01980		mg/L		99	69 - 131
1,1,2-Trichloroethane	0.0200	0.02111		mg/L		106	80 - 124
1,1-Dichloroethane	0.0200	0.0192V		mg/L		96	V8 - 125
1,1-Dichloroethene	0.0200	0.019V0		mg/L		99	V9 - 124
1,1-DichloroFroFene	0.0200	0.01949		mg/L		9V	80 - 122
1,2,3-Trichlorobenpene	0.0200	0.02038		mg/L		102	62 - 133
1,2,3-TrichloroFroFane	0.0200	0.01918		mg/L		96	V0 - 131
1,2,4-Trichlorobenpene	0.0200	0.01639		mg/L		82	63 - 133
1,2,4-Trimethzlbenpene	0.0200	0.02156		mg/L		108	VV - 126
1,2-Dibromo-3-ChloroFroFane	0.0200	0.01588		mg/L		V9	54 - 125
1,2-Dibromoethane (EDB)	0.0200	0.020V8		mg/L		104	80 - 129
1,2-Dichlorobenpene	0.0200	0.02014		mg/L		101	80 - 121
1,2-Dichloroethane	0.0200	0.01902		mg/L		95	VV - 121
1,2-DichloroFroFane	0.0200	0.01844		mg/L		92	V5 - 120
1,3,5-Trimethzlbenpene	0.0200	0.02198		mg/L		110	VV - 12V
1,3-Dichlorobenpene	0.0200	0.02080		mg/L		104	80 - 122
1,3-DichloroFroFane	0.0200	0.01995		mg/L		100	80 - 125
1,4-Dichlorobenpene	0.0200	0.01945		mg/L		9V	80 - 120

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCS 490-305992/3
Matrix: Water
Analysis Batch: 305992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-DichloroFroFane	0.0200	0.01610		mg/L		80	43 - 161
2-Butanone (MEK)	0.100	0.09838		mg/L		98	62 - 133
2-Chlorotoluene	0.0200	0.02111		mg/L		106	V5 - 126
2-Hexanone	0.100	0.09164		mg/L		92	60 - 142
4-Chlorotoluene	0.0200	0.02235		mg/L		112	V5 - 130
4-Methzl-2-Fentanone (MIBK)	0.100	0.08566		mg/L		86	60 - 13V
Acetone	0.100	0.1009		mg/L		101	54 - 145
Benpene	0.0200	0.0206V		mg/L		103	80 - 121
Bromobenpene	0.0200	0.0208V		mg/L		104	68 - 130
Bromochloromethane	0.0200	0.01699		mg/L		85	V8 - 129
Bromodichloromethane	0.0200	0.02039		mg/L		102	V5 - 129
Bromoyorm	0.0200	0.01900		mg/L		95	46 - 145
Bromomethane	0.0200	0.02369		mg/L		118	41 - 150
Carbon disulyide	0.0200	0.01826		mg/L		91	VV - 126
Carbon tetrachloride	0.0200	0.01821		mg/L		91	64 - 14V
Chlorobenpene	0.0200	0.02014		mg/L		101	80 - 120
Chlorodibromomethane	0.0200	0.02116		mg/L		106	69 - 133
Chloroethane	0.0200	0.02116		mg/L		106	V2 - 120
Chloroyorm	0.0200	0.01956		mg/L		98	V3 - 129
Chloromethane	0.0200	0.03023	X	mg/L		151	12 - 150
cis-1,2-Dichloroethene	0.0200	0.01944		mg/L		9V	V6 - 125
cis-1,3-DichloroFroFene	0.0200	0.01850		mg/L		92	V4 - 140
Dibromomethane	0.0200	0.01994		mg/L		100	V1 - 125
Dichlorodiyluoromethane	0.0200	0.02822	X	mg/L		141	3V - 12V
Ethzlbenpene	0.0200	0.02066		mg/L		103	80 - 130
Hexachlorobutadiene	0.0200	0.01892		mg/L		95	49 - 146
IsoFroFzlbenpene	0.0200	0.02054		mg/L		103	80 - 141
Methzl tert-butzl ether	0.0200	0.01931		mg/L		9V	V2 - 133
Methzlene Chloride	0.0200	0.01998		mg/L		100	V9 - 123
NaFhthalene	0.0200	0.01V69		mg/L		88	62 - 138
n-Butzlbenpene	0.0200	0.01843		mg/L		92	68 - 132
N-ProFzlbenpene	0.0200	0.02092		mg/L		105	V5 - 129
F-IsoFroFzltoluene	0.0200	0.02059		mg/L		103	V5 - 128
sec-Butzlbenpene	0.0200	0.02116		mg/L		106	V6 - 128
Stzrene	0.0200	0.02140		mg/L		10V	80 - 12V
tert-Butzlbenpene	0.0200	0.02084		mg/L		104	V6 - 126
Tetrachloroethene	0.0200	0.01906		mg/L		95	80 - 126
Toluene	0.0200	0.02038		mg/L		102	80 - 126
trans-1,2-Dichloroethene	0.0200	0.01948		mg/L		9V	V9 - 126
trans-1,3-DichloroFroFene	0.0200	0.02138		mg/L		10V	63 - 134
Trichloroethene	0.0200	0.01904		mg/L		95	80 - 123
Trichloroyluoromethane	0.0200	0.020V0		mg/L		103	65 - 124
* inzl chloride	0.0200	0.02146		mg/L		10V	68 - 120
v zlenes, Total	0.0400	0.04048		mg/L		101	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*57 - 107*
4-: roB ornuorof enbene (Surr)	*17p*		*57 - 107*

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QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCS 490-305992/3
Matrix: Water
Analysis Batch: 305992

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dif roB orhuoroB ethane (Surr)	90		57 - 107
Toluene-dz (Surr)	9z		57 - 107

Lab Sample ID: LCSD 490-305992/4
Matrix: Water
Analysis Batch: 305992

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			0.0200	0.02012		mg/L		101	V4 - 135	V	16
1,1,1-Trichloroethane			0.0200	0.02140		mg/L		10V	V8 - 135	9	1V
1,1,2,2-Tetrachloroethane			0.0200	0.02110		mg/L		105	69 - 131	6	20
1,1,2-Trichloroethane			0.0200	0.02188		mg/L		109	80 - 124	4	15
1,1-Dichloroethane			0.0200	0.02092		mg/L		105	V8 - 125	8	1V
1,1-Dichloroethene			0.0200	0.01950		mg/L		98	V9 - 124	1	1V
1,1-DichloroFroFene			0.0200	0.02151		mg/L		108	80 - 122	10	1V
1,2,3-Trichlorobenpene			0.0200	0.02095		mg/L		105	62 - 133	3	25
1,2,3-TrichloroFroFane			0.0200	0.02043		mg/L		102	V0 - 131	6	19
1,2,4-Trichlorobenpene			0.0200	0.016V9		mg/L		84	63 - 133	2	19
1,2,4-Trimethzlbenpene			0.0200	0.02304		mg/L		115	VV - 126	V	16
1,2-Dibromo-3-ChloroFroFane			0.0200	0.01V46		mg/L		8V	54 - 125	10	24
1,2-Dibromoethane (EDB)			0.0200	0.02156		mg/L		108	80 - 129	4	15
1,2-Dichlorobenpene			0.0200	0.021V2		mg/L		109	80 - 121	8	15
1,2-Dichloroethane			0.0200	0.02044		mg/L		102	VV - 121	V	1V
1,2-DichloroFroFane			0.0200	0.02000		mg/L		100	V5 - 120	8	1V
1,3,5-Trimethzlbenpene			0.0200	0.02350		mg/L		118	VV - 12V	V	1V
1,3-Dichlorobenpene			0.0200	0.02222		mg/L		111	80 - 122	V	15
1,3-DichloroFroFane			0.0200	0.02108		mg/L		105	80 - 125	6	14
1,4-Dichlorobenpene			0.0200	0.02088		mg/L		104	80 - 120	V	15
2,2-DichloroFroFane			0.0200	0.01V45		mg/L		8V	43 - 161	8	18
2-Butanone (MEK)			0.100	0.1016		mg/L		102	62 - 133	3	19
2-Chlorotoluene			0.0200	0.02299		mg/L		115	V5 - 126	9	1V
2-Hexanone			0.100	0.09432		mg/L		94	60 - 142	3	15
4-Chlorotoluene			0.0200	0.02361		mg/L		118	V5 - 130	5	18
4-Methzl-2-Fentanone (MIBK)			0.100	0.09021		mg/L		90	60 - 13V	5	1V
Acetone			0.100	0.1068		mg/L		10V	54 - 145	6	21
Benpene			0.0200	0.02224		mg/L		111	80 - 121	V	1V
Bromobenpene			0.0200	0.02266		mg/L		113	68 - 130	8	20
Bromochloromethane			0.0200	0.01V86		mg/L		89	V8 - 129	5	1V
Bromodichloromethane			0.0200	0.02216		mg/L		111	V5 - 129	8	18
Bromoyorm			0.0200	0.0195V		mg/L		98	46 - 145	3	16
Bromomethane			0.0200	0.02354		mg/L		118	41 - 150	1	50
Carbon disulyide			0.0200	0.01969		mg/L		98	VV - 126	8	21
Carbon tetrachloride			0.0200	0.01998		mg/L		100	64 - 14V	9	19
Chlorobenpene			0.0200	0.02129		mg/L		106	80 - 120	6	14
Chlorodibromomethane			0.0200	0.02232		mg/L		112	69 - 133	5	15
Chloroethane			0.0200	0.01968		mg/L		98	V2 - 120	V	20
Chloroyorm			0.0200	0.02124		mg/L		106	V3 - 129	8	18
Chloromethane			0.0200	0.02V25		mg/L		136	12 - 150	10	31

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCSD 490-305992/4
Matrix: Water
Analysis Batch: 305992

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			0.0200	0.0210V		mg/L		105	V6 - 125	8	1V
cis-1,3-DichloroFroFene			0.0200	0.01932		mg/L		9V	V4 - 140	4	15
Dibromomethane			0.0200	0.0218V		mg/L		109	V1 - 125	9	16
Dichlorodiyluoromethane			0.0200	0.026VV	X	mg/L		134	3V - 12V	5	18
Ethzlbenpene			0.0200	0.02254		mg/L		113	80 - 130	9	15
Hexachlorobutadiene			0.0200	0.02022		mg/L		101	49 - 146	V	23
IsoFroFzlbenpene			0.0200	0.02144		mg/L		10V	80 - 141	4	16
Methzl tert-butzl ether			0.0200	0.02019		mg/L		101	V2 - 133	4	16
Methzlene Chloride			0.0200	0.02111		mg/L		106	V9 - 123	5	1V
NaFhthalene			0.0200	0.01941		mg/L		9V	62 - 138	9	26
n-Butzlbenpene			0.0200	0.02025		mg/L		101	68 - 132	9	18
N-ProFzlbenpene			0.0200	0.022V6		mg/L		114	V5 - 129	8	1V
F-IsoFroFzltoluene			0.0200	0.02238		mg/L		112	V5 - 128	8	16
sec-Butzlbenpene			0.0200	0.02288		mg/L		114	V6 - 128	8	16
Stzrene			0.0200	0.02280		mg/L		114	80 - 12V	6	24
tert-Butzlbenpene			0.0200	0.022V1		mg/L		114	V6 - 126	9	16
Tetrachloroethene			0.0200	0.02028		mg/L		101	80 - 126	6	16
Toluene			0.0200	0.021V2		mg/L		109	80 - 126	6	15
trans-1,2-Dichloroethene			0.0200	0.02095		mg/L		105	V9 - 126	V	16
trans-1,3-DichloroFroFene			0.0200	0.022V0		mg/L		113	63 - 134	6	14
Trichloroethene			0.0200	0.0200V		mg/L		100	80 - 123	5	1V
Trichloroyluoromethane			0.0200	0.01900		mg/L		95	65 - 124	9	18
* inzl chloride			0.0200	0.02089		mg/L		104	68 - 120	3	1V
v zlenes, Total			0.0400	0.04300		mg/L		108	80 - 132	6	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*17p*		*57 - 107*
Dif roB orhuoroB ethane (Surr)	*94*		*57 - 107*
Toluene-dz (Surr)	*9p*		*57 - 107*

Lab Sample ID: 490-93648-1 MS
Matrix: Ground Water
Analysis Batch: 305992

Client Sample ID: W-39-MW6
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	0.04096		mg/L		82	V3 - 141
1,1,1-Trichloroethane	ND	71	0.0500	0.03901		mg/L		V8	V6 - 149
1,1,2,2-Tetrachloroethane	ND		0.0500	0.05042		mg/L		101	56 - 143
1,1,2-Trichloroethane	ND		0.0500	0.045V4		mg/L		91	V4 - 134
1,1-Dichloroethane	ND		0.0500	0.03589		mg/L		V2	V1 - 139
1,1-Dichloroethene	ND	71	0.0500	0.02225	71	mg/L		44	V0 - 142
1,1-DichloroFroFene	ND	71	0.0500	0.02940	71	mg/L		59	V6 - 139
1,2,3-Trichlorobenpene	ND		0.0500	0.04580		mg/L		92	55 - 138
1,2,3-TrichloroFroFane	ND		0.0500	0.04596		mg/L		92	53 - 144
1,2,4-Trichlorobenpene	ND		0.0500	0.038V1		mg/L		VV	60 - 136
1,2,4-Trimethzlbenpene	0.00388		0.0500	0.0481V		mg/L		89	69 - 136
1,2-Dibromo-3-ChloroFroFane	ND		0.0500	0.04410		mg/L		88	52 - 126

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93648-1 MS
Matrix: Ground Water
Analysis Batch: 305992

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		0.0500	0.03936		mg/L		V9	V5 - 13V
1,2-Dichlorobenpene	ND		0.0500	0.04509		mg/L		90	V9 - 128
1,2-Dichloroethane	ND		0.0500	0.03641		mg/L		V3	64 - 136
1,2-DichloroFroFane	ND		0.0500	0.0432V		mg/L		8V	6V - 131
1,3,5-TrimethzlbenpeneNe	0.004V2		0.0500	0.04984		mg/L		90	69 - 139
1,3-Dichlorobenpene	ND		0.0500	0.04293		mg/L		86	VV - 131
1,3-DichloroFroFane	ND		0.0500	0.04035		mg/L		81	V2 - 134
1,4-Dichlorobenpene	ND		0.0500	0.04110		mg/L		82	V8 - 126
2,2-DichloroFroFane	ND		0.0500	0.02902		mg/L		58	3V - 1V5
2-Butanone (MEK)	ND		0.250	0.2251		mg/L		90	50 - 138
2-Chlorotoluene	ND		0.0500	0.04302		mg/L		86	6V - 138
2-Hexanone	ND		0.250	0.2536		mg/L		101	50 - 150
4-Chlorotoluene	ND		0.0500	0.04496		mg/L		90	69 - 138
4-Methzl-2-Fentanone (MIBK)	ND		0.250	0.2342		mg/L		94	50 - 14V
Acetone	ND		0.250	0.2280		mg/L		91	45 - 141
Benpene	ND	71	0.0500	0.03419	71	mg/L		68	V5 - 133
Bromobenpene	ND		0.0500	0.041V0		mg/L		83	60 - 138
Bromochloromethane	ND	71	0.0500	0.03092	71	mg/L		62	6V - 139
Bromodichloromethane	ND		0.0500	0.045VV		mg/L		92	V0 - 140
Bromoyorm	ND		0.0500	0.04338		mg/L		8V	42 - 14V
Bromomethane	ND		0.0500	0.02669		mg/L		53	16 - 163
Carbon disulyide	ND	71	0.0500	0.01042	71	mg/L		21	48 - 152
Carbon tetrachloride	ND		0.0500	0.03381		mg/L		68	62 - 164
Chlorobenpene	ND	71	0.0500	0.03V5V	71	mg/L		V5	80 - 129
Chlorodibromomethane	ND		0.0500	0.04559		mg/L		91	66 - 140
Chloroethane	ND	71	0.0500	0.03062		mg/L		61	58 - 13V
Chloroyorm	ND		0.0500	0.0406V		mg/L		81	66 - 138
Chloromethane	ND	X	0.0500	0.02938		mg/L		59	10 - 169
cis-1,2-Dichloroethene	ND		0.0500	0.0355V		mg/L		V1	68 - 138
cis-1,3-DichloroFroFene	ND	71	0.0500	0.03326	71	mg/L		6V	V1 - 141
Dibromomethane	ND		0.0500	0.04054		mg/L		81	58 - 140
Dichlorodiyluoromethane	ND	X	0.0500	0.03V85		mg/L		V6	40 - 12V
Ethzlbenpene	ND	71	0.0500	0.03853	71	mg/L		VV	V9 - 139
Hexachlorobutadiene	ND		0.0500	0.04202		mg/L		84	45 - 155
IsoFroFzlbenpene	ND		0.0500	0.04256		mg/L		84	80 - 153
Methzl tert-butzl ether	ND		0.0500	0.04098		mg/L		82	66 - 141
Methzlene Chloride	ND	71	0.0500	0.03192		mg/L		64	64 - 139
NaFhthalene	ND		0.0500	0.04802		mg/L		96	55 - 140
n-Butzlbenpene	ND		0.0500	0.04118		mg/L		81	66 - 141
N-ProFzlbenpene	ND		0.0500	0.04181		mg/L		84	69 - 142
F-IsoFroFzltoluene	ND		0.0500	0.04533		mg/L		90	V1 - 13V
sec-Butzlbenpene	0.0010V		0.0500	0.04V11		mg/L		92	V3 - 138
Stzrene	ND		0.0500	0.04242		mg/L		85	61 - 148
tert-Butzlbenpene	ND		0.0500	0.04V03		mg/L		93	V0 - 138
Tetrachloroethene	ND	71	0.0500	0.02830	71	mg/L		5V	V2 - 145
Toluene	ND	71	0.0500	0.0335V	71	mg/L		6V	V5 - 136
trans-1,2-Dichloroethene	ND	71	0.0500	0.02508	71	mg/L		50	66 - 143
trans-1,3-DichloroFroFene	ND		0.0500	0.04145		mg/L		83	59 - 135

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93648-1 MS
Matrix: Ground Water
Analysis Batch: 305992

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND	71	0.0500	0.0295V	71	mg/L		59	V3 - 144
Trichloroyluoromethane	ND		0.0500	0.02881		mg/L		58	58 - 139
* inzl chloride	ND	71	0.0500	0.02625	71	mg/L		52	56 - 129
v zlenes, Total	ND	71	0.100	0.0V614		mg/L		V6	V4 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*9/*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*17/*		*57 - 107*
Dif roB orhuoroB ethane (Surr)	*99*		*57 - 107*
Toluene-dz (Surr)	*9/*		*57 - 107*

Lab Sample ID: 490-93648-1 MSD
Matrix: Ground Water
Analysis Batch: 305992

Client Sample ID: W-39-MW6
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	0.0399V		mg/L		80	V3 - 141	2	16
1,1,1-Trichloroethane	ND	71	0.0500	0.036V5	71	mg/L		V3	V6 - 149	6	1V
1,1,2,2-Tetrachloroethane	ND		0.0500	0.05054		mg/L		101	56 - 143	0	20
1,1,2-Trichloroethane	ND		0.0500	0.04430		mg/L		89	V4 - 134	3	15
1,1-Dichloroethane	ND		0.0500	0.03562		mg/L		V1	V1 - 139	1	1V
1,1-Dichloroethene	ND	71	0.0500	0.02496	71	mg/L		50	V0 - 142	11	1V
1,1-DichloroFroFene	ND	71	0.0500	0.02VV9	71	mg/L		56	V6 - 139	6	1V
1,2,3-Trichlorobenpene	ND		0.0500	0.04811		mg/L		96	55 - 138	5	25
1,2,3-TrichloroFroFane	ND		0.0500	0.04689		mg/L		94	53 - 144	2	19
1,2,4-Trichlorobenpene	ND		0.0500	0.03V85		mg/L		V6	60 - 136	2	19
1,2,4-Trimethzlbenpene	0.00388		0.0500	0.04695		mg/L		86	69 - 136	3	16
1,2-Dibromo-3-ChloroFroFane	ND		0.0500	0.04502		mg/L		90	52 - 126	2	24
1,2-Dibromoethane (EDB)	ND		0.0500	0.03840		mg/L		VV	V5 - 13V	2	15
1,2-Dichlorobenpene	ND		0.0500	0.04509		mg/L		90	V9 - 128	0	15
1,2-Dichloroethane	ND		0.0500	0.03408		mg/L		68	64 - 136	V	1V
1,2-DichloroFroFane	ND		0.0500	0.04120		mg/L		82	6V - 131	5	1V
1,3,5-Trimethzlbenpene	0.004V2		0.0500	0.0496V		mg/L		90	69 - 139	0	1V
1,3-Dichlorobenpene	ND		0.0500	0.04242		mg/L		85	VV - 131	1	15
1,3-DichloroFroFane	ND		0.0500	0.03919		mg/L		V8	V2 - 134	3	14
1,4-Dichlorobenpene	ND		0.0500	0.04188		mg/L		84	V8 - 126	2	15
2,2-DichloroFroFane	ND		0.0500	0.02918		mg/L		58	3V - 1V5	1	18
2-Butanone (MEK)	ND		0.250	0.2184		mg/L		8V	50 - 138	3	19
2-Chlorotoluene	ND		0.0500	0.041V6		mg/L		84	6V - 138	3	1V
2-Hexanone	ND		0.250	0.2400		mg/L		96	50 - 150	6	15
4-Chlorotoluene	ND		0.0500	0.04432		mg/L		89	69 - 138	1	18
4-Methzl-2-Fentanone (MIBK)	ND		0.250	0.234V		mg/L		94	50 - 14V	0	1V
Acetone	ND		0.250	0.2182		mg/L		8V	45 - 141	4	21
Benpene	ND	71	0.0500	0.03250	71	mg/L		65	V5 - 133	5	1V
Bromobenpene	ND		0.0500	0.04189		mg/L		84	60 - 138	0	20
Bromochloromethane	ND	71	0.0500	0.02856	71	mg/L		5V	6V - 139	8	1V
Bromodichloromethane	ND		0.0500	0.04645		mg/L		93	V0 - 140	1	18
Bromoyorm	ND		0.0500	0.04162		mg/L		83	42 - 14V	4	16

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93648-1 MSD
Matrix: Ground Water
Analysis Batch: 305992

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		0.0500	0.02838		mg/L		5V	16 - 163	6	50
Carbon disulyide	ND	71	0.0500	0.009264	71	mg/L		19	48 - 152	12	21
Carbon tetrachloride	ND		0.0500	0.03166		mg/L		63	62 - 164	V	19
Chlorobenpene	ND	71	0.0500	0.03V0V	71	mg/L		V4	80 - 129	1	14
Chlorodibromomethane	ND		0.0500	0.04468		mg/L		89	66 - 140	2	15
Chloroethane	ND	71	0.0500	0.02858	71	mg/L		5V	58 - 13V	V	20
Chloroyorm	ND		0.0500	0.03946		mg/L		V9	66 - 138	3	18
Chloromethane	ND	X	0.0500	0.02VV5		mg/L		56	10 - 169	6	31
cis-1,2-Dichloroethene	ND		0.0500	0.03513		mg/L		V0	68 - 138	1	1V
cis-1,3-DichloroFroFene	ND	71	0.0500	0.03409	71	mg/L		68	V1 - 141	2	15
Dibromomethane	ND		0.0500	0.03841		mg/L		VV	58 - 140	5	16
Dichlorodiyuoromethane	ND	X	0.0500	0.03V63		mg/L		V5	40 - 12V	1	18
Ethzlbenpene	ND	71	0.0500	0.03V39	71	mg/L		V5	V9 - 139	3	15
Hexachlorobutadiene	ND		0.0500	0.04104		mg/L		82	45 - 155	2	23
IsoFroFzlbenpene	ND		0.0500	0.04036		mg/L		80	80 - 153	5	16
Methzl tert-butzl ether	ND		0.0500	0.03999		mg/L		80	66 - 141	2	16
Methzlene Chloride	ND	71	0.0500	0.03052	71	mg/L		61	64 - 139	4	1V
NaFhthalene	ND		0.0500	0.05231		mg/L		105	55 - 140	9	26
n-Butzlbenpene	ND		0.0500	0.03935		mg/L		VV	66 - 141	5	18
N-ProFzlbenpene	ND		0.0500	0.04113		mg/L		82	69 - 142	2	1V
F-IsoFroFzltoluene	ND		0.0500	0.04352		mg/L		86	V1 - 13V	4	16
sec-Butzlbenpene	0.0010V		0.0500	0.04526		mg/L		88	V3 - 138	4	16
Stzrene	ND		0.0500	0.0409V		mg/L		82	61 - 148	3	24
tert-Butzlbenpene	ND		0.0500	0.04621		mg/L		92	V0 - 138	2	16
Tetrachloroethene	ND	71	0.0500	0.02V0V	71	mg/L		54	V2 - 145	4	16
Toluene	ND	71	0.0500	0.03323	71	mg/L		66	V5 - 136	1	15
trans-1,2-Dichloroethene	ND	71	0.0500	0.02381	71	mg/L		48	66 - 143	5	16
trans-1,3-DichloroFroFene	ND		0.0500	0.04158		mg/L		83	59 - 135	0	14
Trichloroethene	ND	71	0.0500	0.02V89	71	mg/L		56	V3 - 144	6	1V
Trichloroyuoromethane	ND		0.0500	0.03215		mg/L		64	58 - 139	11	18
* inzl chloride	ND	71	0.0500	0.02581	71	mg/L		52	56 - 129	2	1V
v zlenes, Total	ND	71	0.100	0.0V2V2	71	mg/L		V3	V4 - 141	5	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*17z*		*57 - 107*
Dif roB orhuoroB ethane (Surr)	*94*		*57 - 107*
Toluene-dz (Surr)	*9p*		*57 - 107*

Lab Sample ID: MB 490-306604/6
Matrix: Water
Analysis Batch: 306604

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			12/16/15 10:45	1
1,1,1-Trichloroethane	ND		0.00100		mg/L			12/16/15 10:45	1
1,1,2,2-Tetrachloroethane	ND		0.00100		mg/L			12/16/15 10:45	1
1,1,2-Trichloroethane	ND		0.00100		mg/L			12/16/15 10:45	1

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: MB 490-306604/6
Matrix: Water
Analysis Batch: 306604

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.00100		mg/L			12/16/15 10:45	1
1,1-Dichloroethene	ND		0.00100		mg/L			12/16/15 10:45	1
1,1-DichloroFroFene	ND		0.00100		mg/L			12/16/15 10:45	1
1,2,3-Trichlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,2,3-TrichloroFroFane	ND		0.00100		mg/L			12/16/15 10:45	1
1,2,4-Trichlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,2,4-Trimethzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,2-Dibromo-3-ChloroFroFane	ND		0.0100		mg/L			12/16/15 10:45	1
1,2-Dibromoethane (EDB)	ND		0.00100		mg/L			12/16/15 10:45	1
1,2-Dichlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,2-Dichloroethane	ND		0.00100		mg/L			12/16/15 10:45	1
1,2-DichloroFroFane	ND		0.00100		mg/L			12/16/15 10:45	1
1,3,5-Trimethzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,3-Dichlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
1,3-DichloroFroFane	ND		0.00100		mg/L			12/16/15 10:45	1
1,4-Dichlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
2,2-DichloroFroFane	ND		0.00100		mg/L			12/16/15 10:45	1
2-Butanone (MEK)	ND		0.0500		mg/L			12/16/15 10:45	1
2-Chlorotoluene	ND		0.00100		mg/L			12/16/15 10:45	1
2-Hexanone	ND		0.0100		mg/L			12/16/15 10:45	1
4-Chlorotoluene	ND		0.00100		mg/L			12/16/15 10:45	1
4-Methzl-2-Fentanone (MIBK)	ND		0.0100		mg/L			12/16/15 10:45	1
Acetone	ND		0.0250		mg/L			12/16/15 10:45	1
Benpene	ND		0.00100		mg/L			12/16/15 10:45	1
Bromobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Bromochloromethane	ND		0.00100		mg/L			12/16/15 10:45	1
Bromodichloromethane	ND		0.00100		mg/L			12/16/15 10:45	1
Bromoyorm	ND		0.00100		mg/L			12/16/15 10:45	1
Bromomethane	ND		0.00100		mg/L			12/16/15 10:45	1
Carbon disulyide	ND		0.00100		mg/L			12/16/15 10:45	1
Carbon tetrachloride	ND		0.00100		mg/L			12/16/15 10:45	1
Chlorobenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Chlorodibromomethane	ND		0.00100		mg/L			12/16/15 10:45	1
Chloroethane	ND		0.00100		mg/L			12/16/15 10:45	1
Chloroyorm	ND		0.00100		mg/L			12/16/15 10:45	1
Chloromethane	ND		0.00100		mg/L			12/16/15 10:45	1
cis-1,2-Dichloroethene	ND		0.00100		mg/L			12/16/15 10:45	1
cis-1,3-DichloroFroFene	ND		0.00100		mg/L			12/16/15 10:45	1
Dibromomethane	ND		0.00100		mg/L			12/16/15 10:45	1
Dichlorodiyluoromethane	ND		0.00100		mg/L			12/16/15 10:45	1
Ethzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Hexachlorobutadiene	ND		0.00200		mg/L			12/16/15 10:45	1
IsoFroFzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Methzl tert-butzl ether	ND		0.00100		mg/L			12/16/15 10:45	1
Methzlene Chloride	ND		0.00500		mg/L			12/16/15 10:45	1
NaFhthalene	ND		0.00500		mg/L			12/16/15 10:45	1
n-Butzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
N-ProFzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: MB 490-306604/6
Matrix: Water
Analysis Batch: 306604

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-IsoFroFzltoluene	ND		0.00100		mg/L			12/16/15 10:45	1
sec-Butzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Stzrene	ND		0.00100		mg/L			12/16/15 10:45	1
tert-Butzlbenpene	ND		0.00100		mg/L			12/16/15 10:45	1
Tetrachloroethene	ND		0.00100		mg/L			12/16/15 10:45	1
Toluene	ND		0.00100		mg/L			12/16/15 10:45	1
trans-1,2-Dichloroethene	ND		0.00100		mg/L			12/16/15 10:45	1
trans-1,3-DichloroFroFene	ND		0.00100		mg/L			12/16/15 10:45	1
Trichloroethene	ND		0.00100		mg/L			12/16/15 10:45	1
Trichloroyluoromethane	ND		0.00100		mg/L			12/16/15 10:45	1
* inzl chloride	ND		0.00100		mg/L			12/16/15 10:45	1
v zlenes, Total	ND		0.00300		mg/L			12/16/15 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*57 - 107*		*123Ip3I/ 178I/*	*1*
4-: roB orhuorof enbene (Surr)	*174*		*57 - 107*		*123Ip3I/ 178I/*	*1*
Dif roB orhuoroB ethane (Surr)	*95*		*57 - 107*		*123Ip3I/ 178I/*	*1*
Toluene-dz (Surr)	*9z*		*57 - 107*		*123Ip3I/ 178I/*	*1*

Lab Sample ID: LCS 490-306604/3
Matrix: Water
Analysis Batch: 306604

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0200	0.019V4		mg/L		99	V4 - 135
1,1,1-Trichloroethane	0.0200	0.02089		mg/L		104	V8 - 135
1,1,2,2-Tetrachloroethane	0.0200	0.02122		mg/L		106	69 - 131
1,1,2-Trichloroethane	0.0200	0.02244		mg/L		112	80 - 124
1,1-Dichloroethane	0.0200	0.02032		mg/L		102	V8 - 125
1,1-Dichloroethene	0.0200	0.02093		mg/L		105	V9 - 124
1,1-DichloroFroFene	0.0200	0.02046		mg/L		102	80 - 122
1,2,3-Trichlorobenpene	0.0200	0.02003		mg/L		100	62 - 133
1,2,3-TrichloroFroFane	0.0200	0.02049		mg/L		102	V0 - 131
1,2,4-Trichlorobenpene	0.0200	0.01584		mg/L		V9	63 - 133
1,2,4-Trimethzlbenpene	0.0200	0.02131		mg/L		10V	VV - 126
1,2-Dibromo-3-ChloroFroFane	0.0200	0.01V60		mg/L		88	54 - 125
1,2-Dibromoethane (EDB)	0.0200	0.02195		mg/L		110	80 - 129
1,2-Dichlorobenpene	0.0200	0.02143		mg/L		10V	80 - 121
1,2-Dichloroethane	0.0200	0.02015		mg/L		101	VV - 121
1,2-DichloroFroFane	0.0200	0.02201		mg/L		110	V5 - 120
1,3,5-Trimethzlbenpene	0.0200	0.02182		mg/L		109	VV - 12V
1,3-Dichlorobenpene	0.0200	0.02125		mg/L		106	80 - 122
1,3-DichloroFroFane	0.0200	0.02043		mg/L		102	80 - 125
1,4-Dichlorobenpene	0.0200	0.02131		mg/L		10V	80 - 120
2,2-DichloroFroFane	0.0200	0.0184V		mg/L		92	43 - 161
2-Butanone (MEK)	0.100	0.1043		mg/L		104	62 - 133
2-Chlorotoluene	0.0200	0.0204V		mg/L		102	V5 - 126
2-Hexanone	0.100	0.1005		mg/L		101	60 - 142

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCS 490-306604/3
Matrix: Water
Analysis Batch: 306604

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	0.0200	0.02154		mg/L		108	V5 - 130
4-Methzl-2-Fentanone (MIBK)	0.100	0.09365		mg/L		94	60 - 13V
Acetone	0.100	0.1039		mg/L		104	54 - 145
Benpene	0.0200	0.02155		mg/L		108	80 - 121
Bromobenpene	0.0200	0.020V3		mg/L		104	68 - 130
Bromochloromethane	0.0200	0.01904		mg/L		95	V8 - 129
Bromodichloromethane	0.0200	0.02356		mg/L		118	V5 - 129
Bromoyorm	0.0200	0.02013		mg/L		101	46 - 145
Bromomethane	0.0200	0.02241		mg/L		112	41 - 150
Carbon disulyide	0.0200	0.019V4		mg/L		99	VV - 126
Carbon tetrachloride	0.0200	0.01966		mg/L		98	64 - 14V
Chlorobenpene	0.0200	0.02091		mg/L		105	80 - 120
Chlorodibromomethane	0.0200	0.02199		mg/L		110	69 - 133
Chloroethane	0.0200	0.01861		mg/L		93	V2 - 120
Chloroyorm	0.0200	0.02113		mg/L		106	V3 - 129
Chloromethane	0.0200	0.02318		mg/L		116	12 - 150
cis-1,2-Dichloroethene	0.0200	0.02060		mg/L		103	V6 - 125
cis-1,3-DichloroFroFene	0.0200	0.01898		mg/L		95	V4 - 140
Dibromomethane	0.0200	0.02252		mg/L		113	V1 - 125
Dichlorodiyuoromethane	0.0200	0.02548		mg/L		12V	3V - 12V
Ethzlbenpene	0.0200	0.02148		mg/L		10V	80 - 130
Hexachlorobutadiene	0.0200	0.01896		mg/L		95	49 - 146
IsoFroFzlbenpene	0.0200	0.02093		mg/L		105	80 - 141
Methzl tert-butzl ether	0.0200	0.02056		mg/L		103	V2 - 133
Methzlene Chloride	0.0200	0.020V3		mg/L		104	V9 - 123
NaFhthalene	0.0200	0.0184V		mg/L		92	62 - 138
n-Butzlbenpene	0.0200	0.01881		mg/L		94	68 - 132
N-ProFzlbenpene	0.0200	0.02081		mg/L		104	V5 - 129
F-IsoFroFzltoluene	0.0200	0.02111		mg/L		106	V5 - 128
sec-Butzlbenpene	0.0200	0.02100		mg/L		105	V6 - 128
Stzrene	0.0200	0.02225		mg/L		111	80 - 12V
tert-Butzlbenpene	0.0200	0.02085		mg/L		104	V6 - 126
Tetrachloroethene	0.0200	0.02033		mg/L		102	80 - 126
Toluene	0.0200	0.02083		mg/L		104	80 - 126
trans-1,2-Dichloroethene	0.0200	0.02043		mg/L		102	V9 - 126
trans-1,3-DichloroFroFene	0.0200	0.02238		mg/L		112	63 - 134
Trichloroethene	0.0200	0.018VV		mg/L		94	80 - 123
Trichloroyuoromethane	0.0200	0.01V81		mg/L		89	65 - 124
* inzl chloride	0.0200	0.01900		mg/L		95	68 - 120
v zlenes, Total	0.0400	0.041V2		mg/L		104	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*170*		*57 - 107*
Dif roB orhuoroB ethane (Surr)	*9z*		*57 - 107*
Toluene-dz (Surr)	*9/*		*57 - 107*

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93918-B-1 MS
Matrix: Water
Analysis Batch: 306604

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.0500	0.04392		mg/L		88	V3 - 141
1,1,1-Trichloroethane	ND		0.0500	0.04944		mg/L		99	V6 - 149
1,1,2,2-Tetrachloroethane	ND		0.0500	0.04838		mg/L		9V	56 - 143
1,1,2-Trichloroethane	ND		0.0500	0.046V2		mg/L		93	V4 - 134
1,1-Dichloroethane	ND		0.0500	0.04604		mg/L		92	V1 - 139
1,1-Dichloroethene	ND		0.0500	0.04522		mg/L		90	V0 - 142
1,1-DichloroFroFene	ND		0.0500	0.04882		mg/L		98	V6 - 139
1,2,3-Trichlorobenpene	ND		0.0500	0.04321		mg/L		86	55 - 138
1,2,3-TrichloroFroFane	ND		0.0500	0.04643		mg/L		93	53 - 144
1,2,4-Trichlorobenpene	ND		0.0500	0.036V6		mg/L		V4	60 - 136
1,2,4-Trimethzlbenpene	ND		0.0500	0.05065		mg/L		101	69 - 136
1,2-Dibromo-3-ChloroFroFane	ND		0.0500	0.04089		mg/L		82	52 - 126
1,2-Dibromoethane (EDB)	ND		0.0500	0.0469V		mg/L		94	V5 - 13V
1,2-Dichlorobenpene	ND		0.0500	0.04V05		mg/L		94	V9 - 128
1,2-Dichloroethane	ND		0.0500	0.04429		mg/L		89	64 - 136
1,2-DichloroFroFane	ND		0.0500	0.04952		mg/L		99	6V - 131
1,3,5-Trimethzlbenpene	ND		0.0500	0.05242		mg/L		105	69 - 139
1,3-Dichlorobenpene	ND		0.0500	0.04841		mg/L		9V	VV - 131
1,3-DichloroFroFane	ND		0.0500	0.04494		mg/L		90	V2 - 134
1,4-Dichlorobenpene	ND		0.0500	0.04605		mg/L		92	V8 - 126
2,2-DichloroFroFane	ND		0.0500	0.04538		mg/L		91	3V - 1V5
2-Butanone (MEK)	ND		0.250	0.2315		mg/L		93	50 - 138
2-Chlorotoluene	ND		0.0500	0.05024		mg/L		100	6V - 138
2-Hexanone	ND		0.250	0.2452		mg/L		98	50 - 150
4-Chlorotoluene	ND		0.0500	0.05203		mg/L		104	69 - 138
4-Methzl-2-Fentanone (MIBK)	ND		0.250	0.22V9		mg/L		91	50 - 14V
Acetone	ND		0.250	0.2226		mg/L		89	45 - 141
Benpene	ND		0.0500	0.04948		mg/L		99	V5 - 133
Bromobenpene	ND		0.0500	0.04V52		mg/L		95	60 - 138
Bromochloromethane	ND		0.0500	0.04056		mg/L		81	6V - 139
Bromodichloromethane	ND		0.0500	0.04944		mg/L		99	V0 - 140
Bromoyorm	ND		0.0500	0.04642		mg/L		93	42 - 14V
Bromomethane	ND		0.0500	0.06586		mg/L		132	16 - 163
Carbon disulyide	ND		0.0500	0.04388		mg/L		88	48 - 152
Carbon tetrachloride	ND		0.0500	0.04V24		mg/L		94	62 - 164
Chlorobenpene	ND		0.0500	0.046V5		mg/L		93	80 - 129
Chlorodibromomethane	ND		0.0500	0.04985		mg/L		100	66 - 140
Chloroethane	ND		0.0500	0.05185		mg/L		104	58 - 13V
Chloroyorm	ND		0.0500	0.04690		mg/L		94	66 - 138
Chloromethane	ND		0.0500	0.065V6		mg/L		132	10 - 169
cis-1,2-Dichloroethene	ND		0.0500	0.04690		mg/L		94	68 - 138
cis-1,3-DichloroFroFene	ND		0.0500	0.04259		mg/L		85	V1 - 141
Dibromomethane	ND		0.0500	0.05045		mg/L		101	58 - 140
Dichlorodiyuoromethane	ND	71	0.0500	0.0V186	71	mg/L		144	40 - 12V
Ethzlbenpene	ND		0.0500	0.04953		mg/L		99	V9 - 139
Hexachlorobutadiene	ND		0.0500	0.04308		mg/L		86	45 - 155
IsoFroFzlbenpene	ND		0.0500	0.04992		mg/L		100	80 - 153
Methzl tert-butzl ether	ND		0.0500	0.04396		mg/L		88	66 - 141

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93918-B-1 MS
Matrix: Water
Analysis Batch: 306604

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
Methzlene Chloride	ND		0.0500	0.04596		mg/L		92	64 - 139
NaFhthalene	ND		0.0500	0.0424V		mg/L		85	55 - 140
n-Butzlbenpene	ND		0.0500	0.04609		mg/L		92	66 - 141
N-ProFzlbenpene	ND		0.0500	0.0509V		mg/L		102	69 - 142
F-IsoFroFzltoluene	ND		0.0500	0.05120		mg/L		102	V1 - 13V
sec-Butzlbenpene	ND		0.0500	0.05216		mg/L		104	V3 - 138
Stzrene	ND		0.0500	0.05038		mg/L		101	61 - 148
tert-Butzlbenpene	ND		0.0500	0.05151		mg/L		103	V0 - 138
Tetrachloroethene	ND		0.0500	0.0463V		mg/L		93	V2 - 145
Toluene	ND		0.0500	0.04V49		mg/L		95	V5 - 136
trans-1,2-Dichloroethene	ND		0.0500	0.04619		mg/L		92	66 - 143
trans-1,3-DichloroFroFene	ND		0.0500	0.05098		mg/L		102	59 - 135
Trichloroethene	ND		0.0500	0.04461		mg/L		89	V3 - 144
Trichloroyluoromethane	ND		0.0500	0.050V1		mg/L		101	58 - 139
* inzl chloride	ND		0.0500	0.05363		mg/L		10V	56 - 129
v zlenes, Total	ND		0.100	0.09629		mg/L		96	V4 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*17/*		*57 - 107*
Dif roB orhuoroB ethane (Surr)	*95*		*57 - 107*
Toluene-dz (Surr)	*90*		*57 - 107*

Lab Sample ID: 490-93918-C-1 MSD
Matrix: Water
Analysis Batch: 306604

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.0500	0.04232		mg/L		85	V3 - 141	4	16
1,1,1-Trichloroethane	ND		0.0500	0.04863		mg/L		9V	V6 - 149	2	1V
1,1,2,2-Tetrachloroethane	ND		0.0500	0.04942		mg/L		99	56 - 143	2	20
1,1,2-Trichloroethane	ND		0.0500	0.04V99		mg/L		96	V4 - 134	3	15
1,1-Dichloroethane	ND		0.0500	0.04490		mg/L		90	V1 - 139	3	1V
1,1-Dichloroethene	ND		0.0500	0.04540		mg/L		91	V0 - 142	0	1V
1,1-DichloroFroFene	ND		0.0500	0.04856		mg/L		9V	V6 - 139	1	1V
1,2,3-Trichlorobenpene	ND		0.0500	0.04850		mg/L		9V	55 - 138	12	25
1,2,3-TrichloroFroFane	ND		0.0500	0.04699		mg/L		94	53 - 144	1	19
1,2,4-Trichlorobenpene	ND		0.0500	0.03800		mg/L		V6	60 - 136	3	19
1,2,4-Trimethzlbenpene	ND		0.0500	0.05098		mg/L		102	69 - 136	1	16
1,2-Dibromo-3-ChloroFroFane	ND		0.0500	0.04380		mg/L		88	52 - 126	V	24
1,2-Dibromoethane (EDB)	ND		0.0500	0.04684		mg/L		94	V5 - 13V	0	15
1,2-Dichlorobenpene	ND		0.0500	0.04V10		mg/L		94	V9 - 128	0	15
1,2-Dichloroethane	ND		0.0500	0.04385		mg/L		88	64 - 136	1	1V
1,2-DichloroFroFane	ND		0.0500	0.04998		mg/L		100	6V - 131	1	1V
1,3,5-Trimethzlbenpene	ND		0.0500	0.05240		mg/L		105	69 - 139	0	1V
1,3-Dichlorobenpene	ND		0.0500	0.04V8V		mg/L		96	VV - 131	1	15
1,3-DichloroFroFane	ND		0.0500	0.0448V		mg/L		90	V2 - 134	0	14
1,4-Dichlorobenpene	ND		0.0500	0.04539		mg/L		91	V8 - 126	1	15

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93918-C-1 MSD
Matrix: Water
Analysis Batch: 306604

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
2,2-DichloroFroFane	ND		0.0500	0.04461		mg/L		89	3V - 1V5	2	18
2-Butanone (MEK)	ND		0.250	0.2382		mg/L		95	50 - 138	3	19
2-Chlorotoluene	ND		0.0500	0.0502V		mg/L		101	6V - 138	0	1V
2-Hexanone	ND		0.250	0.2566		mg/L		103	50 - 150	5	15
4-Chlorotoluene	ND		0.0500	0.05229		mg/L		105	69 - 138	0	18
4-Methzl-2-Fentanone (MIBK)	ND		0.250	0.2443		mg/L		98	50 - 14V	V	1V
Acetone	ND		0.250	0.2248		mg/L		90	45 - 141	1	21
Benpene	ND		0.0500	0.04923		mg/L		98	V5 - 133	0	1V
Bromobenpene	ND		0.0500	0.04690		mg/L		94	60 - 138	1	20
Bromochloromethane	ND		0.0500	0.04054		mg/L		81	6V - 139	0	1V
Bromodichloromethane	ND		0.0500	0.04920		mg/L		98	V0 - 140	0	18
Bromoyorm	ND		0.0500	0.045V2		mg/L		91	42 - 14V	2	16
Bromomethane	ND		0.0500	0.06V91		mg/L		136	16 - 163	3	50
Carbon disulyide	ND		0.0500	0.04350		mg/L		8V	48 - 152	1	21
Carbon tetrachloride	ND		0.0500	0.04660		mg/L		93	62 - 164	1	19
Chlorobenpene	ND		0.0500	0.04600		mg/L		92	80 - 129	2	14
Chlorodibromomethane	ND		0.0500	0.04958		mg/L		99	66 - 140	1	15
Chloroethane	ND		0.0500	0.05146		mg/L		103	58 - 13V	1	20
Chloroyorm	ND		0.0500	0.04595		mg/L		92	66 - 138	2	18
Chloromethane	ND		0.0500	0.06615		mg/L		132	10 - 169	1	31
cis-1,2-Dichloroethene	ND		0.0500	0.04625		mg/L		93	68 - 138	1	1V
cis-1,3-DichloroFroFene	ND		0.0500	0.04360		mg/L		8V	V1 - 141	2	15
Dibromomethane	ND		0.0500	0.049V5		mg/L		99	58 - 140	1	16
Dichlorodiyluoromethane	ND	71	0.0500	0.0V345	71	mg/L		14V	40 - 12V	2	18
Ethzlbenpene	ND		0.0500	0.04921		mg/L		98	V9 - 139	1	15
Hexachlorobutadiene	ND		0.0500	0.04234		mg/L		85	45 - 155	2	23
IsoFroFzlbenpene	ND		0.0500	0.04845		mg/L		9V	80 - 153	3	16
Methzl tert-butzl ether	ND		0.0500	0.04385		mg/L		88	66 - 141	0	16
Methzlene Chloride	ND		0.0500	0.04505		mg/L		90	64 - 139	2	1V
NaFhthalene	ND		0.0500	0.050VV		mg/L		102	55 - 140	18	26
n-Butzlbenpene	ND		0.0500	0.04599		mg/L		92	66 - 141	0	18
N-ProFzlbenpene	ND		0.0500	0.050V3		mg/L		101	69 - 142	0	1V
F-IsoFroFzltoluene	ND		0.0500	0.05004		mg/L		100	V1 - 13V	2	16
sec-Butzlbenpene	ND		0.0500	0.05192		mg/L		104	V3 - 138	0	16
Stzrene	ND		0.0500	0.04906		mg/L		98	61 - 148	3	24
tert-Butzlbenpene	ND		0.0500	0.05121		mg/L		102	V0 - 138	1	16
Tetrachloroethene	ND		0.0500	0.046V0		mg/L		93	V2 - 145	1	16
Toluene	ND		0.0500	0.04801		mg/L		96	V5 - 136	1	15
trans-1,2-Dichloroethene	ND		0.0500	0.04526		mg/L		91	66 - 143	2	16
trans-1,3-DichloroFroFene	ND		0.0500	0.05130		mg/L		103	59 - 135	1	14
Trichloroethene	ND		0.0500	0.04355		mg/L		8V	V3 - 144	2	1V
Trichloroyluoromethane	ND		0.0500	0.05344		mg/L		10V	58 - 139	5	18
* inzl chloride	ND		0.0500	0.05512		mg/L		110	56 - 129	3	1V
v zlenes, Total	ND		0.100	0.094V8		mg/L		95	V4 - 141	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*9/*		*57 - 107*
4-: roB orhuorof enbene (Surr)	*17p*		*57 - 107*

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93918-C-1 MSD
Matrix: Water
Analysis Batch: 306604

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dif roB omuoroB ethane (Surr)	9p		57 - 107
Toluene-dz (Surr)	9p		57 - 107

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

Lab Sample ID: MB 490-306301/1-A
Matrix: Water
Analysis Batch: 306651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
AcenaFhthene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
AcenaFhthzlene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Anthracene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Benpo[a]anthracene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Benpo[a]Fzrene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Benpo[b]yuoranthene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Benpo[g,h,i]Ferzlene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Benpo[k]yuoranthene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Chrzsene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Dibenp(a,h)anthracene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
7luorene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
7luoranthene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Indeno[1,2,3-cd]Fzrene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
NaFhthalene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Phenanthrene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
Pzrene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
1-MethzlnaFhthalene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1
2-MethzlnaFhthalene	ND		0.000100		mg/L		12/15/15 08:55	12/16/15 19:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Teryhen6l-d14	pz		10 - 127	123l/ 3l/ 7z8/	123lp3l/ 1987 0	1
Nitrof enbene-d/	42		25 - 127	123l/ 3l/ 7z8/	123lp3l/ 1987 0	1
2-Fluorof iyhen6l (Surr)	4p		29 - 127	123l/ 3l/ 7z8/	123lp3l/ 1987 0	1

Lab Sample ID: LCS 490-306301/2-A
Matrix: Water
Analysis Batch: 306651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
AcenaFhthene	0.00100	0.000434V	X	mg/L		43	46 - 120
AcenaFhthzlene	0.00100	0.00042V0	X	mg/L		43	48 - 120
Anthracene	0.00100	0.0005106	X	mg/L		51	58 - 130
Benpo[a]anthracene	0.00100	0.0005562	X	mg/L		56	5V - 120
Benpo[a]Fzrene	0.00100	0.000482V	X	mg/L		48	5V - 124
Benpo[b]yuoranthene	0.00100	0.0005219		mg/L		52	51 - 125
Benpo[g,h,i]Ferzlene	0.00100	0.00050V6		mg/L		51	51 - 123
Benpo[k]yuoranthene	0.00100	0.0004895	X	mg/L		49	51 - 120

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QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCS 490-306301/2-A
Matrix: Water
Analysis Batch: 306651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306301

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chrzsene			0.00100	0.0005336	X	mg/L		53	55 - 120		
Dibenp(a,h)anthracene			0.00100	0.0005V68		mg/L		58	50 - 125		
7luorene			0.00100	0.000419V	X	mg/L		42	52 - 120		
7luoranthene			0.00100	0.000544V	X	mg/L		54	56 - 120		
Indeno[1,2,3-cd]Fzrene			0.00100	0.000541V		mg/L		54	54 - 125		
NaFhthalene			0.00100	0.0004518		mg/L		45	3V - 120		
Phenanthrene			0.00100	0.0005111	X	mg/L		51	56 - 120		
Pzrene			0.00100	0.0005452		mg/L		55	53 - 129		
1-MethzlnaFhthalene			0.00100	0.0004660		mg/L		4V	36 - 120		
2-MethzlnaFhthalene			0.00100	0.0004405		mg/L		44	31 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Teryhen6l-d14	*/ 9*		*10 - 127*
Nitrof enbene-d/	*44*		*25 - 127*
2-Fluorof iyhen6l (Surr)	*42*		*29 - 127*

Lab Sample ID: LCSD 490-306301/3-A
Matrix: Water
Analysis Batch: 306651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 306301

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
AcenaFhthene			0.00100	0.0006131	X	mg/L		61	46 - 120	34	31
AcenaFhthzlene			0.00100	0.0006024	X	mg/L		60	48 - 120	34	31
Anthracene			0.00100	0.000V252	X	mg/L		V3	58 - 130	35	28
Benpo[a]anthracene			0.00100	0.0008119	X	mg/L		81	5V - 120	3V	2V
Benpo[a]Fzrene			0.00100	0.000V146	X	mg/L		V1	5V - 124	39	2V
Benpo[b]yuoranthene			0.00100	0.000V5V1		mg/L		V6	51 - 125	3V	39
Benpo[g,h,i]Ferzlene			0.00100	0.000V598	X	mg/L		V6	51 - 123	40	2V
Benpo[k]yuoranthene			0.00100	0.000V442	X	mg/L		V4	51 - 120	41	32
Chrzsene			0.00100	0.000VV09	X	mg/L		VV	55 - 120	36	2V
Dibenp(a,h)anthracene			0.00100	0.0008498	X	mg/L		85	50 - 125	38	28
7luorene			0.00100	0.0005986	X	mg/L		60	52 - 120	35	28
7luoranthene			0.00100	0.000V894	X	mg/L		V9	56 - 120	3V	28
Indeno[1,2,3-cd]Fzrene			0.00100	0.000V926	X	mg/L		V9	54 - 125	38	2V
NaFhthalene			0.00100	0.0006468		mg/L		65	3V - 120	35	3V
Phenanthrene			0.00100	0.0006853	X	mg/L		69	56 - 120	29	26
Pzrene			0.00100	0.000V443	X	mg/L		V4	53 - 129	31	29
1-MethzlnaFhthalene			0.00100	0.0006664		mg/L		6V	36 - 120	35	36
2-MethzlnaFhthalene			0.00100	0.0006162		mg/L		62	31 - 120	33	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Teryhen6l-d14	*z7*		*10 - 127*
Nitrof enbene-d/	*p7*		*25 - 127*
2-Fluorof iyhen6l (Surr)	*/ 9*		*29 - 127*

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93691-I-1-A MS
Matrix: Water
Analysis Batch: 307392

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 306301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
AcenaFhthene	ND	X71	0.000952	0.0003540	71	mg/L		3V	46 - 120
AcenaFhthzlene	ND	X71	0.000952	0.0003313	71	mg/L		35	48 - 120
Anthracene	ND	X71	0.000952	0.0004283	71	mg/L		45	56 - 130
Benpo[a]anthracene	ND	X71	0.000952	0.0004263	71	mg/L		45	5V - 122
Benpo[a]Fzrene	ND	X71 72	0.000952	0.0002265	71	mg/L		24	46 - 138
Benpo[b]yuoranthene	ND	71	0.000952	0.0002434	71	mg/L		26	45 - 138
Benpo[g,h,i]Ferzlene	ND	X71 72	0.000952	0.0001336	71	mg/L		14	48 - 13V
Benpo[k]yuoranthene	ND	X71 72	0.000952	0.000243V	71	mg/L		26	44 - 134
Chrzsene	ND	X71	0.000952	0.0004343	71	mg/L		46	54 - 123
Dibenp(a,h)anthracene	ND	X71	0.000952	0.0001469	71	mg/L		15	50 - 136
7luorene	ND	X71	0.000952	0.0003555	71	mg/L		3V	52 - 120
7luoranthene	ND	X71	0.000952	0.0004841	71	mg/L		51	56 - 120
Indeno[1,2,3-cd]Fzrene	ND	X71 72	0.000952	0.0001420	71	mg/L		15	50 - 136
NaFhthalene	ND		0.000952	0.0003544		mg/L		3V	32 - 120
Phenanthrene	ND	X71	0.000952	0.0004340	71	mg/L		46	53 - 120
Pzrene	ND	X71	0.000952	0.0004430	71	mg/L		4V	50 - 129
1-MethzlnaFhthalene	ND		0.000952	0.000364V		mg/L		38	34 - 120
2-MethzlnaFhthalene	ND		0.000952	0.0003331		mg/L		35	31 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Teryhen6l-d14	*4p*		*10 - 127*
Nitrof enbene-d/	*04*		*25 - 127*
2-Fluorof iyhen6l (Surr)	*04*		*29 - 127*

Lab Sample ID: 490-93691-I-1-B MSD
Matrix: Water
Analysis Batch: 307392

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 306301

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
AcenaFhthene	ND	X71	0.000952	0.0003939	71	mg/L		41	46 - 120	11	31
AcenaFhthzlene	ND	X71	0.000952	0.0003V3V	71	mg/L		39	48 - 120	12	31
Anthracene	ND	X71	0.000952	0.0004VV3	71	mg/L		50	56 - 130	11	28
Benpo[a]anthracene	ND	X71	0.000952	0.0005192	71	mg/L		55	5V - 122	20	2V
Benpo[a]Fzrene	ND	X71 72	0.000952	0.0003208	71 72	mg/L		34	46 - 138	34	2V
Benpo[b]yuoranthene	ND	71	0.000952	0.0003556	71	mg/L		3V	45 - 138	3V	39
Benpo[g,h,i]Ferzlene	ND	X71 72	0.000952	0.0001848	71 72	mg/L		19	48 - 13V	32	2V
Benpo[k]yuoranthene	ND	X71 72	0.000952	0.00035V2	71 72	mg/L		38	44 - 134	38	32
Chrzsene	ND	X71	0.000952	0.0005303		mg/L		56	54 - 123	20	2V
Dibenp(a,h)anthracene	ND	X71	0.000952	0.0001931	71	mg/L		20	50 - 136	2V	28
7luorene	ND	X71	0.000952	0.00039V5	71	mg/L		42	52 - 120	11	28
7luoranthene	ND	X71	0.000952	0.0005509		mg/L		58	56 - 120	13	28
Indeno[1,2,3-cd]Fzrene	ND	X71 72	0.000952	0.0001948	71 72	mg/L		20	50 - 136	31	2V
NaFhthalene	ND		0.000952	0.0003918		mg/L		41	32 - 120	10	3V
Phenanthrene	ND	X71	0.000952	0.0004VVV	71	mg/L		50	53 - 120	10	26
Pzrene	ND	X71	0.000952	0.0005122		mg/L		54	50 - 129	14	29
1-MethzlnaFhthalene	ND		0.000952	0.0004031		mg/L		42	34 - 120	10	36
2-MethzlnaFhthalene	ND		0.000952	0.0003V02		mg/L		39	31 - 120	11	35

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93691-I-1-B MSD
Matrix: Water
Analysis Batch: 307392

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 306301

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Teryhen6l-d14	*/ 4*		*10 - 127*
Nitrof enbene-d/	*09*		*25 - 127*
2-Fluorof iyhen6l (Surr)	*09*		*29 - 127*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-305586/1-A
Matrix: Water
Analysis Batch: 306077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Barium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Cadmium	ND		0.00100		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Chromium	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Lead	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Selenium	ND		0.0100		mg/L		12/11/15 09:02	12/11/15 1V:55	1
Silf er	ND		0.00500		mg/L		12/11/15 09:02	12/11/15 1V:55	1

Lab Sample ID: LCS 490-305586/2-A
Matrix: Water
Analysis Batch: 306077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0500	0.05180		mg/L		104	80 - 120
Barium	2.00	2.09V		mg/L		105	80 - 120
Cadmium	0.0500	0.05350		mg/L		10V	80 - 120
Chromium	0.200	0.2169		mg/L		108	80 - 120
Lead	0.0500	0.05400		mg/L		108	80 - 120
Selenium	0.0500	0.04900		mg/L		98	80 - 120
Silf er	0.0500	0.04660		mg/L		93	80 - 120

Lab Sample ID: 490-93663-I-2-C MS
Matrix: Water
Analysis Batch: 306077

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 305586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.0500	0.05520		mg/L		110	V5 - 125
Barium	0.405		2.00	2.3V5		mg/L		98	V5 - 125
Cadmium	0.00280		0.0500	0.05300		mg/L		100	V5 - 125
Chromium	0.0234		0.200	0.2193		mg/L		98	V5 - 125
Lead	0.0205		0.0500	0.0V050		mg/L		100	V5 - 125
Selenium	ND		0.0500	0.04590		mg/L		92	V5 - 125
Silf er	ND		0.0500	0.04400		mg/L		88	V5 - 125

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: 490-93663-I-2-D MSD
Matrix: Water
Analysis Batch: 306077

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 305586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.0500	0.05580		mg/L		112	V5 - 125	1	20
Barium	0.405		2.00	2.350		mg/L		9V	V5 - 125	1	20
Cadmium	0.00280		0.0500	0.05220		mg/L		99	V5 - 125	2	20
Chromium	0.0234		0.200	0.21V4		mg/L		9V	V5 - 125	1	20
Lead	0.0205		0.0500	0.068V0		mg/L		96	V5 - 125	3	20
Selenium	ND		0.0500	0.04420		mg/L		88	V5 - 125	4	20
Silf er	ND		0.0500	0.04320		mg/L		86	V5 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-306143/1-A
Matrix: Water
Analysis Batch: 306561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercurz	ND		0.000200		mg/L		12/14/15 11:1V	12/15/15 14:1V	1

Lab Sample ID: LCS 490-306143/2-A
Matrix: Water
Analysis Batch: 306561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306143

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercurz			0.00100	0.000V969		mg/L		80	80 - 120		

Lab Sample ID: LCSD 490-306143/3-A
Matrix: Water
Analysis Batch: 306789

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 306143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercurz			0.00100	0.00085V6		mg/L		86	80 - 120	V	20

Lab Sample ID: 490-93666-A-3-E MS
Matrix: Water
Analysis Batch: 306561

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 306143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercurz	ND		0.00100	0.000V880		mg/L		V9	V5 - 125		

Lab Sample ID: 490-93666-A-3-F MSD
Matrix: Water
Analysis Batch: 306561

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 306143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercurz	ND		0.00100	0.000VV11		mg/L		VV	V5 - 125	2	20

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Method: D516-90, 02 - Sulfate

Lab Sample ID: MB 490-305806/13
Matrix: Water
Analysis Batch: 305806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulyate	ND		2.00		mg/L			12/11/15 09:58	1

Lab Sample ID: LCS 490-305806/14
Matrix: Water
Analysis Batch: 305806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulyate			10.0	9.512		mg/L		95	90 - 110		

Lab Sample ID: LCSD 490-305806/15
Matrix: Water
Analysis Batch: 305806

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
Sulyate			10.0	9.541		mg/L		95	90 - 110	0	10

Lab Sample ID: 490-93648-1 MS
Matrix: Ground Water
Analysis Batch: 305806

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulyate	18.4	71	10.0	34.58	71	mg/L		161	80 - 120		

Lab Sample ID: 490-93648-1 MSD
Matrix: Ground Water
Analysis Batch: 305806

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulyate	18.4	71	10.0	34.12	71	mg/L		15V	80 - 120	1	20

Lab Sample ID: 490-93648-E-7 DU ^5
Matrix: Ground Water
Analysis Batch: 305806

Client Sample ID: 490-93648-E-7 DU ^5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulyate				1V1.1		mg/L					

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 490-305664/5
Matrix: Water
Analysis Batch: 305664

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinitz	ND		10.0		mg/L			12/10/15 18:33	1

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 490-305664/6
Matrix: Water
Analysis Batch: 305664

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinitz			100	94.93		mg/L		95	90 - 110		

Lab Sample ID: LCSD 490-305664/7
Matrix: Water
Analysis Batch: 305664

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
Alkalinitz			100	9V.4V		mg/L		9V	90 - 110	3	20

Lab Sample ID: 490-93648-6 DU
Matrix: Ground Water
Analysis Batch: 305664

Client Sample ID: W-39-MW23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinitz	4V6			4VV.5		mg/L				0.3	20

Lab Sample ID: MB 490-305838/5
Matrix: Water
Analysis Batch: 305838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinitz	ND		10.0		mg/L			12/11/15 13:5V	1

Lab Sample ID: LCS 490-305838/6
Matrix: Water
Analysis Batch: 305838

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinitz			100	96.54		mg/L		9V	90 - 110		

Lab Sample ID: 490-93613-B-2 DU
Matrix: Water
Analysis Batch: 305838

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinitz	154			154.6		mg/L				0.6	20

Lab Sample ID: 490-93666-B-3 DU
Matrix: Water
Analysis Batch: 305838

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinitz	21V			214.V		mg/L				0.9	20

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: MB 490-305543/1
Matrix: Water
Analysis Batch: 305543

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			12/10/15 18:28	1

Lab Sample ID: LCS 490-305543/2
Matrix: Water
Analysis Batch: 305543

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	95.00		mg/L		95	90 - 110

Lab Sample ID: 490-93648-1 DU
Matrix: Ground Water
Analysis Batch: 305543

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	581		5V5.0		mg/L		1	20

Lab Sample ID: MB 490-306413/1
Matrix: Water
Analysis Batch: 306413

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			12/15/15 11:4V	1

Lab Sample ID: LCS 490-306413/2
Matrix: Water
Analysis Batch: 306413

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	90.00		mg/L		90	90 - 110

Lab Sample ID: 490-93648-7 DU
Matrix: Ground Water
Analysis Batch: 306413

Client Sample ID: W-39-MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	610		623.0		mg/L		2	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 490-308706/6
Matrix: Water
Analysis Batch: 308706

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			12/23/15 10:35	1

QC Sample Results

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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

Lab Sample ID: LCS 490-308706/7
Matrix: Water
Analysis Batch: 308706

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.VV		mg/L		98	90 - 110		

Lab Sample ID: LCSD 490-308706/8
Matrix: Water
Analysis Batch: 308706

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	9.4V6		mg/L		95	90 - 110	3	20

Lab Sample ID: 490-93648-1 MS
Matrix: Ground Water
Analysis Batch: 308706

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.56		10.0	14.49		mg/L		99	V6 - 126		

Lab Sample ID: 490-93648-1 MSD
Matrix: Ground Water
Analysis Batch: 308706

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.56		10.0	14.53		mg/L		100	V6 - 126	0	20

Lab Sample ID: 490-93648-1 DU
Matrix: Ground Water
Analysis Batch: 308706

Client Sample ID: W-39-MW6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	4.56			4.056		mg/L				12	20

QC Association Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

GC/MS VOA

Analysis Batch: 305992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	8260B	
490-93648-1 MS	W-39-MW6	Total/NA	Ground Water	8260B	
490-93648-1 MSD	W-39-MW6	Total/NA	Ground Water	8260B	
490-93648-2	W-40-MW11	Total/NA	Ground Water	8260B	
490-93648-3	W-40-MW22	Total/NA	Ground Water	8260B	
490-93648-4	W-40-MW26	Total/NA	Ground Water	8260B	
490-93648-5	W-39-MW21	Total/NA	Ground Water	8260B	
490-93648-6	W-39-MW23	Total/NA	Ground Water	8260B	
490-93648-7	W-39-MW19	Total/NA	Ground Water	8260B	
490-93648-8	W-FB	Total/NA	Water	8260B	
490-93648-9	W-EB	Total/NA	Water	8260B	
LCS 490-305992/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-305992/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-305992/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 306604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-6	W-39-MW23	Total/NA	Ground Water	8260B	
490-93648-7	W-39-MW19	Total/NA	Ground Water	8260B	
490-93918-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-93918-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-306604/3	Lab Control Sample	Total/NA	Water	8260B	
MB 490-306604/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 306301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	3510C	
490-93648-2	W-40-MW11	Total/NA	Ground Water	3510C	
490-93648-3	W-40-MW22	Total/NA	Ground Water	3510C	
490-93648-4	W-40-MW26	Total/NA	Ground Water	3510C	
490-93648-5	W-39-MW21	Total/NA	Ground Water	3510C	
490-93648-6	W-39-MW23	Total/NA	Ground Water	3510C	
490-93648-7	W-39-MW19	Total/NA	Ground Water	3510C	
490-93691-I-1-A MS	Matrix Spike	Total/NA	Water	3510C	
490-93691-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
LCS 490-306301/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-306301/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 490-306301/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 306651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-306301/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	306301
LCSD 490-306301/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	306301
MB 490-306301/1-A	Method Blank	Total/NA	Water	8270C SIM	306301

Analysis Batch: 307042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	8270C SIM	306301

QC Association Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

GC/MS Semi VOA (Continued)

Analysis Batch: 307042 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-2	W-40-MW11	Total/NA	Ground Water	8270C SIM	306301
490-93648-3	W-40-MW22	Total/NA	Ground Water	8270C SIM	306301
490-93648-4	W-40-MW26	Total/NA	Ground Water	8270C SIM	306301
490-93648-5	W-39-MW21	Total/NA	Ground Water	8270C SIM	306301

Analysis Batch: 307392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-6	W-39-MW23	Total/NA	Ground Water	8270C SIM	306301
490-93648-7	W-39-MW19	Total/NA	Ground Water	8270C SIM	306301
490-93691-I-1-A MS	Matrix Spike	Total/NA	Water	8270C SIM	306301
490-93691-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM	306301

Metals

Prep Batch: 305567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	7470A	

Prep Batch: 305586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	3010A	
490-93648-2	W-40-MW11	Total/NA	Ground Water	3010A	
490-93648-3	W-40-MW22	Total/NA	Ground Water	3010A	
490-93648-4	W-40-MW26	Total/NA	Ground Water	3010A	
490-93648-5	W-39-MW21	Total/NA	Ground Water	3010A	
490-93648-6	W-39-MW23	Total/NA	Ground Water	3010A	
490-93648-7	W-39-MW19	Total/NA	Ground Water	3010A	
490-93663-I-2-C MS	Matrix Spike	Total/NA	Water	3010A	
490-93663-I-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 490-305586/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 490-305586/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 306077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	6010B	305586
490-93648-2	W-40-MW11	Total/NA	Ground Water	6010B	305586
490-93648-3	W-40-MW22	Total/NA	Ground Water	6010B	305586
490-93648-4	W-40-MW26	Total/NA	Ground Water	6010B	305586
490-93648-5	W-39-MW21	Total/NA	Ground Water	6010B	305586
490-93648-6	W-39-MW23	Total/NA	Ground Water	6010B	305586
490-93648-7	W-39-MW19	Total/NA	Ground Water	6010B	305586
490-93663-I-2-C MS	Matrix Spike	Total/NA	Water	6010B	305586
490-93663-I-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	305586
LCS 490-305586/2-A	Lab Control Sample	Total/NA	Water	6010B	305586
MB 490-305586/1-A	Method Blank	Total/NA	Water	6010B	305586

Prep Batch: 306143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-2	W-40-MW11	Total/NA	Ground Water	7470A	
490-93648-3	W-40-MW22	Total/NA	Ground Water	7470A	

QC Association Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Metals (Continued)

Prep Batch: 306143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-4	W-40-MW26	Total/NA	Ground Water	7470A	
490-93648-5	W-39-MW21	Total/NA	Ground Water	7470A	
490-93648-6	W-39-MW23	Total/NA	Ground Water	7470A	
490-93648-7	W-39-MW19	Total/NA	Ground Water	7470A	
490-93666-A-3-E MS	Matrix Spike	Total/NA	Water	7470A	
490-93666-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
LCS 490-306143/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 490-306143/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 490-306143/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 306283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	7470A	305567

Analysis Batch: 306561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-2	W-40-MW11	Total/NA	Ground Water	7470A	306143
490-93648-3	W-40-MW22	Total/NA	Ground Water	7470A	306143
490-93648-4	W-40-MW26	Total/NA	Ground Water	7470A	306143
490-93648-5	W-39-MW21	Total/NA	Ground Water	7470A	306143
490-93648-6	W-39-MW23	Total/NA	Ground Water	7470A	306143
490-93648-7	W-39-MW19	Total/NA	Ground Water	7470A	306143
490-93666-A-3-E MS	Matrix Spike	Total/NA	Water	7470A	306143
490-93666-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	306143
LCS 490-306143/2-A	Lab Control Sample	Total/NA	Water	7470A	306143
MB 490-306143/1-A	Method Blank	Total/NA	Water	7470A	306143

Analysis Batch: 306789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-306143/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	306143

General Chemistry

Analysis Batch: 305543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	SM 2540C	
490-93648-1 DU	W-39-MW6	Total/NA	Ground Water	SM 2540C	
490-93648-2	W-40-MW11	Total/NA	Ground Water	SM 2540C	
490-93648-3	W-40-MW22	Total/NA	Ground Water	SM 2540C	
490-93648-4	W-40-MW26	Total/NA	Ground Water	SM 2540C	
490-93648-5	W-39-MW21	Total/NA	Ground Water	SM 2540C	
490-93648-6	W-39-MW23	Total/NA	Ground Water	SM 2540C	
LCS 490-305543/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 490-305543/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 305664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	SM 2320B	
490-93648-2	W-40-MW11	Total/NA	Ground Water	SM 2320B	
490-93648-3	W-40-MW22	Total/NA	Ground Water	SM 2320B	

QC Association Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

General Chemistry (Continued)

Analysis Batch: 305664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-4	W-40-MW26	Total/NA	Ground Water	SM 2320B	
490-93648-5	W-39-MW21	Total/NA	Ground Water	SM 2320B	
490-93648-6	W-39-MW23	Total/NA	Ground Water	SM 2320B	
490-93648-6 DU	W-39-MW23	Total/NA	Ground Water	SM 2320B	
LCS 490-305664/6	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 490-305664/7	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
MB 490-305664/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 305806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	D516-90, 02	
490-93648-1 MS	W-39-MW6	Total/NA	Ground Water	D516-90, 02	
490-93648-1 MSD	W-39-MW6	Total/NA	Ground Water	D516-90, 02	
490-93648-2	W-40-MW11	Total/NA	Ground Water	D516-90, 02	
490-93648-3	W-40-MW22	Total/NA	Ground Water	D516-90, 02	
490-93648-4	W-40-MW26	Total/NA	Ground Water	D516-90, 02	
490-93648-5	W-39-MW21	Total/NA	Ground Water	D516-90, 02	
490-93648-6	W-39-MW23	Total/NA	Ground Water	D516-90, 02	
490-93648-7	W-39-MW19	Total/NA	Ground Water	D516-90, 02	
490-93648-E-7 DU ^5	490-93648-E-7 DU ^5	Total/NA	Ground Water	D516-90, 02	
LCS 490-305806/14	Lab Control Sample	Total/NA	Water	D516-90, 02	
LCSD 490-305806/15	Lab Control Sample Dup	Total/NA	Water	D516-90, 02	
MB 490-305806/13	Method Blank	Total/NA	Water	D516-90, 02	

Analysis Batch: 305838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93613-B-2 DU	Duplicate	Total/NA	Water	SM 2320B	
490-93648-7	W-39-MW19	Total/NA	Ground Water	SM 2320B	
490-93666-B-3 DU	Duplicate	Total/NA	Water	SM 2320B	
LCS 490-305838/6	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 490-305838/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 306413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-7	W-39-MW19	Total/NA	Ground Water	SM 2540C	
490-93648-7 DU	W-39-MW19	Total/NA	Ground Water	SM 2540C	
LCS 490-306413/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 490-306413/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 308706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-93648-1	W-39-MW6	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-1 DU	W-39-MW6	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-1 MS	W-39-MW6	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-1 MSD	W-39-MW6	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-2	W-40-MW11	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-3	W-40-MW22	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-4	W-40-MW26	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-5	W-39-MW21	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-6	W-39-MW23	Total/NA	Ground Water	SM 4500 Cl- E	
490-93648-7	W-39-MW19	Total/NA	Ground Water	SM 4500 Cl- E	

QC Association Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

General Chemistry (Continued)

Analysis Batch: 308706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-308706/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 490-308706/8	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
MB 490-308706/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Lab Chronicle

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW6
Date Collected: 12/08/15 09:15
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-1
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	5 mL	5 mL	305992	12/13/15 08:05	AK1	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307042	12/17/15 19:58	SNR	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:25	TSC	TAL NSH
Total/NA	Prep	7470A			30 mL	30 mL	305567	12/10/15 20:31	RDF	TAL NSH
Total/NA	Analysis	7470A		1	30 mL	30 mL	306283	12/14/15 10:39	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		1	10 mL	10 mL	305806	12/11/15 10:13	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305664	12/10/15 20:41	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Client Sample ID: W-40-MW11
Date Collected: 12/08/15 10:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-2
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	5 mL	5 mL	305992	12/13/15 08:32	AK1	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307042	12/17/15 20:23	SNR	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:29	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:42	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		5	10 mL	10 mL	305806	12/11/15 13:28	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305664	12/10/15 20:47	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		10	10 mL	10 mL	308706	12/23/15 10:59	MSJ	TAL NSH

Client Sample ID: W-40-MW22
Date Collected: 12/08/15 11:40
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-3
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	5 mL	5 mL	305992	12/13/15 08:59	AK1	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307042	12/17/15 20:49	SNR	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:34	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:44	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	305806	12/11/15 13:49	MSJ	TAL NSH

Lab Chronicle

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-40-MW22
Date Collected: 12/08/15 11:40
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-3
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	305664	12/10/15 20:53	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Client Sample ID: W-40-MW26
Date Collected: 12/08/15 13:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-4
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	5 mL	5 mL	305992	12/13/15 09:25	AK1	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307042	12/17/15 21:14	SNR	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:38	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:46	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	305806	12/11/15 15:35	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305664	12/10/15 20:59	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Client Sample ID: W-39-MW21
Date Collected: 12/08/15 14:20
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-5
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	5 mL	5 mL	305992	12/13/15 09:52	AK1	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307042	12/17/15 21:40	SNR	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:42	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:49	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		10	10 mL	10 mL	305806	12/11/15 13:29	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305664	12/10/15 21:06	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Lab Chronicle

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-39-MW23

Date Collected: 12/08/15 15:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-6

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		1	5 mL	5 mL	305992	12/13/15 10:19	AK1	TAL NSH
Total/NA	Analysis	8260B		10	5 mL	5 mL	306604	12/16/15 12:06	JJR	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		2	1050 mL	1 mL	307392	12/18/15 18:14	KKH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:55	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:56	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		2	10 mL	10 mL	305806	12/11/15 13:49	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305664	12/10/15 21:12	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	305543	12/10/15 18:28	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Client Sample ID: W-39-MW19

Date Collected: 12/09/15 09:30
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-7

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	5 mL	5 mL	305992	12/13/15 10:46	AK1	TAL NSH
Total/NA	Analysis	8260B		1	5 mL	5 mL	306604	12/16/15 11:12	JJR	TAL NSH
Total/NA	Prep	3510C			1050 mL	1 mL	306301	12/15/15 08:55	MLT	TAL NSH
Total/NA	Analysis	8270C SIM		1	1050 mL	1 mL	307392	12/18/15 18:39	KKH	TAL NSH
Total/NA	Prep	3010A			50 mL	50 mL	305586	12/11/15 09:02	ZLN	TAL NSH
Total/NA	Analysis	6010B		1	50 mL	50 mL	306077	12/11/15 19:59	TSC	TAL NSH
Total/NA	Prep	7470A			30.0 mL	30.0 mL	306143	12/14/15 11:17	BLG	TAL NSH
Total/NA	Analysis	7470A		1	30.0 mL	30.0 mL	306561	12/15/15 14:59	BLG	TAL NSH
Total/NA	Analysis	D516-90, 02		5	10 mL	10 mL	305806	12/11/15 13:49	MSJ	TAL NSH
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	305838	12/11/15 14:56	CRC	TAL NSH
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	306413	12/15/15 11:47	EF1	TAL NSH
Total/NA	Analysis	SM 4500 Cl- E		1	10 mL	10 mL	308706	12/23/15 10:50	MSJ	TAL NSH

Client Sample ID: W-FB

Date Collected: 12/09/15 10:55
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	305992	12/13/15 07:11	AK1	TAL NSH

Lab Chronicle

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

Client Sample ID: W-EB
Date Collected: 12/09/15 11:05
Date Received: 12/10/15 10:00

Lab Sample ID: 490-93648-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	305992	12/13/15 07:38	AK1	TAL NSH

Laboratory References:

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

Method Summary

Client: Cardno ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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 ERI
Project/Site: Gladiola Station

TestAmerica Job ID: 490-93648-1

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	12-31-15
A2LA	ISO/IEC 17025		0453.07	12-31-15 *
Alaska (UST)	State Program	10	UST-087	07-24-16
Arizona	State Program	9	AZ0473	05-05-16
Arkansas DEQ	State Program	6	88-0737	04-25-16
California	State Program	9	2938	10-31-16
Connecticut	State Program	1	PH-0220	12-31-15 *
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	04-01-16
Kansas	NELAP	7	E-10229	01-31-16
Kentucky (UST)	State Program	4	19	06-30-16
Kentucky (WW)	State Program	4	90038	12-31-15 *
Louisiana	NELAP	6	30613	06-30-16
Maine	State Program	1	TN00032	11-03-17
Maryland	State Program	3	316	03-31-16
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	03-31-16
North Carolina (WW/SW)	State Program	4	387	12-31-15 *
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	02-28-16
Wisconsin	State Program	5	998020430	08-31-16
Wyoming (UST)	A2LA	8	453.07	12-31-15 *

* Certification renewal pending - certification considered valid.

Login Sample Receipt Checklist

Client: Cardno ERI Job Number: 490-93648-1

Login Number: 93648 **List Source: TestAmerica Nashville**
List Number: 1
Creator: Huskey, Adam

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.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-93648 Chain of Custody

Cooler Received/Opened On 12/10/2015 @ 1000

1. Tracking # 6799 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 2.3 *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) ADH

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) ADH

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) ADH

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

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 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Loc: 490
93648

Cooler Received/Opened On 12/10/2015 @ 1000

1. Tracking # 6766 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius*

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

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

If yes, how many and where: @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) MDM

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) ADH

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) ADH

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) ADH

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

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 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
93648

COOLER RECEIPT FORM

Cooler Received/Opened On 12/10/2015 @ 1000

1. Tracking # 6777 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

2. Temperature of rep. sample or temp blank when opened: 1.7 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/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) _____

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) AOH

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) AOH

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) AOH

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

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 11/28/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
93648

COOLER RECEIPT FORM

Cooler Received/Opened On 12/10/2015 @ 1000

1. Tracking # 6788 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 18290455

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

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

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

If yes, how many and where: (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) AOH

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) AOH

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) AOH

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

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 11/28/12

Loc: 490
93648

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Phone: (615) 726-0177
Fax: (615) 726-0954

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: Ali Alibhai
Oversight Agency: NMED

Sample ID	Field Point Name / Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify):	Analyze For: 6010B, 7470 - RCRA Metals	D516_Sulfate	8270C_SIM - 8270C SIM PAH	2320B_Alkalinity	2540C_Calcd_TDS	8260B - Standard 8260B List	SM4500_Cl_E_Chloride	RUSH TAT (Pre-Schedule)	7-day TAT	Standard 10-day TAT	Due Date of Report
W-39-MW16	MW16	12.8.15	0915	9	X					X				X	X		X	X							X	X	X	X	X	X	X			X	
W-40-MW11	MW11		1030																						X	X	X	X	X	X	X			X	
W-40-MW22	MW22		1140																						X	X	X	X	X	X	X			X	
W-40-MW26	MW26		1320																						X	X	X	X	X	X	X			X	
W-39-MW21	MW21		1420																						X	X	X	X	X	X	X			X	
W-39-MW23	MW23		1530																						X	X	X	X	X	X	X			X	
W-39-MW19	MW19	12.9.15	0930																						X	X	X	X	X	X	X			X	
W-FB	QCFB		1055	3																X										X				X	
W-EB	QCEB		1105	3																X										X				X	

Comments/Special Instructions:

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

Relinquished by:		Date	Time	Received by:	Date	Time
Ali Alibhai		12.9.15	1430	FedEx	12.9.15	1430
Relinquished by: FedEx		Date	Time	Received by (Lab personnel):	Date 12/10/15	Time 1000

Laboratory Comments:
Temperature Upon Receipt: 2.3
Sample Containers Intact? Y N
VOA Vials Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule
Project Manager or attach specific instructions

12/29/2015

APPENDIX D
WASTE DOCUMENTATION

Cardno
Shaping the Future

[redacted]

BILL OF LADING # AR15-01273

GENERATOR

GENERATOR NAME AND ADDRESS
ExxonMobil Oil Company
c/o Cardno
25371 Commercentre Dr., Suite 250
Lake Forest, CA 92630

GENERATOR SITE ADDRESS
Gladiola Station
Copeland Road 3 miles North of the Intersection of Copeland Road/169 & Hwy 380. Tatum, NM

GENERATOR EPA ID NO: NA

GENERATOR STATE ID NO: NA

DESCRIPTION	CONTAINERS NUMBER	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL
Water	1	d	1	25 gal. D

GENERATOR AUTHORIZED AGENT NAME (Print)
Ali Alibhai On Behalf Of ExxonMobil Corporation

SIGNATURE
X

DATE
12.4.15

TRANSPORTER

TRANSPORTER NAME
Alamo1

TRUCK NO.
EV1824

PHONE NUMBER
979-542-9400

ADDRESS
2495 Highway 77
Gidding, TX 78942

DRIVER NAME
Michael Castillo.

VEHICLE LICENSE NO.
FSV5567

VEHICLE CERTIFICATION

US EPA ID NO: TXD987991866

STATE TRANSPORTER NO. 41654

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

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

DRIVER NAME - PRINT	DRIVERS SIGNATURE	DATE
Michael Castillo	Michael Castillo.	Dec. 9, 2015
DRIVER PRINT NAME	**DRIVERS SIGNATURE**	**DATE**
Michael Castillo	Michael Castillo.	Dec. 10, 2015

DESTINATION

SITE NAME
Sundance Services, Inc.

PHONE
575-390-0342

ADDRESS
5 Miles East of Eunice, NM on Sundance Road
(off Wallach Rd. near intersection of Hwy 18 & Hwy 234)
Eunice, NM

US EPA ID NO

STATE FACILITIES ID

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

DESTINATION AGENT - PRINT	SIGNATURE	DATE
Ida Santa Cruz		12-9-15

15-DEC-2015 15:01 From:210 Page:6/9

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No: 378933

LEASE OPERATOR/SHIPPER/COMPANY: Exxon Mobil Oil Comp.
LEASE NAME: Gladiola Station
TRANSPORTER COMPANY: Alamo Petro. Exchange
TIME: 1:38 AM/PM
DATE: 12-9-15
VEHICLE NO:
GENERATOR COMPANY MAN'S NAME: Erin Weiman
CHARGE TO: Alamo Petro.
RIG NAME AND NUMBER 979-481-4818
(office) 979-542-5308

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[ ] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: 1- 55gal drum (leasing drum)

RRC or API # C-133#

VOLUME OF MATERIAL: ~~LOADS~~ 55gal [ ] YARD [ ]

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: Michael Castillo
(SIGNATURE)

FACILITY REPRESENTATIVE: D. Sta Cruz
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

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

Action 409539

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409539
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	2015 Annual Groundwater Monitoring Report has been accepted for the record, Gladiola Station: App ID; 409539	12/16/2024