Stantec Consulting Services Inc.
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February 24, 2023
File: 238000257.2H22

RECEIVED
By Mike Buchanan at 9:34 am, Dec 11, 2024

Mr. Mike Bratcher
State of New Mexico
EMNRD – Oil Conservation Division
506 West Texas Avenue
Artesia, New Mexico 88210

Reference: Second Half 2022 Groundwater Monitoring and Status Report, Former Gladiola Station, Lea County, New Mexico, OCD No. AP038

Dear Mr. Bratcher,

At the request of ExxonMobil Environmental and Property Solutions, on behalf of ExxonMobil Pipeline Company LLC, Stantec Consulting Services Inc. (Stantec) is submitting the *Second Half 2022 Groundwater Monitoring and Status Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates into one summary report. Please contact me using the contact information listed below.

Regards,

Stantec

James Anderson

James Anderson
Senior Program Manager
Phone: (805) 701-1420
james.anderson@stantec.com

c. Mr. Jeff Johnson, ExxonMobil Environmental and Property Solutions Company

Second Half of the 2022 Groundwater Monitoring and Status Report for Former Gladiola Station has been received by the OCD. Please submit all future reports in a timely manner. This report is dated February 24, 2023 and was due to be received in the first quarter of 2024. Report not received until 12/06/2024.

Stantec

Second Half 2022 Groundwater Monitoring and Status Report

Former Gladiola Station
Lea County, New Mexico
OCD No. AP038

February 24, 2023

Prepared for:

ExxonMobil Environmental and Property Solutions Company

Prepared by:

Stantec Consulting Services Inc.

File: 238000257.2H22

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James Anderson
Senior Program Manager

James Anderson
(signature)

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Acronyms

µg/L	Micrograms per liter
µg/m^3	Micrograms per cubic meter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
AST	Aboveground storage tank
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
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
HIT	High-intensity targeted
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 and Instrumentation Diagram
PAH	Polycyclic aromatic (or polyaromatic) 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	Facility-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPH	Total petroleum hydrocarbons
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

1.0 INTRODUCTION

At the request of ExxonMobil Environmental and Property Solutions, on behalf ExxonMobil Pipeline Company LLC (ExxonMobil), Stantec Consulting Services Inc. (Stantec) prepared this semi-annual groundwater monitoring and status report for the site. The event included gauging the monitoring wells, sampling the groundwater in wells without NAPL, and bailing the NAPL-containing wells.

2.0 SITE DESCRIPTION

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

3.0 GEOLOGY AND HYDROGEOLOGY

The site is 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 DTW beneath the site has ranged historically from approximately 29 to 43 feet bgs (AECOM, 2014).

4.0 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 (NMOCD, 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).

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

Location	Usage	Owner
Approximately 0.5 mile northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5 – 0.75 mile	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 DTW at the site has ranged from approximately 29 to 43 feet bgs. The site is not within 1,000 feet of a wellhead

protection area, and surface water is more than 1,000 feet from the site, giving the site a ranking criteria score of 20 as summarized in the following table (AECOM, 2014).

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

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

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

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

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

1. Total Naphthalene = naphthalene + 1-methylnaphthalene + 2-methylnaphthalene

NMOCD removed sulfate from routine sampling in electronic correspondence dated December 7, 2020 (NMOCD, 2020). Sulfate will be included in the sampling suite during closure sampling.

5.0 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.

5.1 PUMPING STATION ACTIVITIES

November 18, 2002. A crude oil release of approximately 15 barrels occurred as a result of a leak from the former western sump overflow/bleeder valve, located northeast of well MW-1. Approximately 5 barrels of crude oil were recovered from the release (ExxonMobil, 2002).

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

March 2009. In March 2009, NAPL was observed in off-site well MW-15 at a thickness of 0.16 foot. On October 11, 2011, NAPL thickness increased in well MW-15 to 2.24 feet. In addition, NAPL was observed in well MW-13, northwest of well MW-15, at a thickness of 0.95 foot. By October 2012, NAPL thickness increased in well MW-15 to 3.35 feet and was first observed in off-site well MW-24 at a thickness of 4.35 feet. Based on the levels of NAPL in wells MW-15 and MW-24, ExxonMobil theorized that NAPL in wells MW-13, MW-15, and MW-24 could be indicative of a third release of crude oil.

5.2 SITE ASSESSMENT ACTIVITIES

August 2003. B&H Maintenance and Construction conducted a soil boring investigation (B&H, 2003).

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

2006. Conestoga-Rovers & Associates (CRA) advanced soil borings SB-9 and SB-11 and installed wells MW-4 through MW-10 (AECOM, 2014).

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

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

October 2011. Groundwater & Environmental Services, Inc. (GES) advanced borings SB-1 through SB-7 and installed and sampled temporary wells in the borings. NAPL was not encountered (AECOM, 2014).

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

May 2013. Well MW-8 could not be and was presumed to be destroyed. Large pieces of concrete were found in the vicinity of the well (AECOM, 2014).

June 2018. Cardno oversaw the installation of wells MW-27 though MW-32 (Cardno, 2018).

5.3 REMEDIATION ACTIVITIES

August 2003. E. D. Walton conducted initial remedial excavation activities (B&H, 2003).

May-June 2007. Soil remediation activities, including excavation, were conducted (AECOM, 2014).

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

April 2016. Cardno conducted a NAPL baildown test on wells MW-13, MW-14, and MW-24. Cardno also bailed NAPL from wells MW-4, MW-5, MW-12, MW-15, MW-16, MW-18, MW-20, and MW-25 using disposable Teflon® bailers. (Cardno, 2016).

October 2016. Cardno conducted a NAPL pumping test to assess whether sustained flow of NAPL is possible by pumping. To begin the test, Cardno adjusted the pump to a rate of 0.1 gpm to conduct a step test to gradually increase the flow rate and determine the appropriate flow rate for a constant rate pumping test; however, Cardno was not able to sustain the desired flow rates during the step test and the constant rate test, therefore, was not performed. Approximately 100 gallons of LNAPL mixed with water was removed (Cardno, 2017a).

May 2017. Cardno conducted a NAPL recovery test using a Xitech Instruments, Inc. ADJ210 High Performance Smart Skimmer® pump equipped with an electronic controller to assess whether sustained flow of NAPL is possible by pumping. During the test, approximately 10 to 15 gallons of NAPL were removed over a 24-hour period (Cardno, 2017b).

5.4 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring and sampling have been ongoing since 2004. Cumulative groundwater analytical results are summarized in Tables 4 through 7. NAPL bailing has been ongoing since 2015. NAPL recovery results are summarized in Table 8.

6.0 FIELD ACTIVITIES

Field data sheets are included in Appendix A. The laboratory analytical report is included in Appendix B.

6.1 MONITORING WELL GAUGING AND PURGING

On December 28, 2022, wells MW-1 through MW-7 and MW-9 through MW-32 were gauged.

At the beginning of the groundwater monitoring event, the 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 measuring groundwater elevations to 0.01 foot.

In wells without NAPL, the DTW was measured to the nearest 0.01 foot with an electronic oil/water interface probe. Groundwater elevations were calculated by subtracting the DTW 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 wells were purged using low-flow sampling techniques. Samples were collected once field parameters stabilized. Submersible pumps were used for purging the wells and the flow rate was adjusted to minimize drawdown. Water quality measurements including temperature, pH, conductivity, DO, and ORP were recorded via the use of a flow-through cell and a YSI multi-parameter meter. The sample intake was positioned at the approximate middle of the well screen.

6.2 MONITORING WELL SAMPLING

On December 29 and 30, 2022, groundwater samples were collected from the wells without NAPL.

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

After purging, groundwater samples were collected through a submersible pump directly into laboratory-provided containers. Depending on the 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.

The samples were analyzed for VOCs, PAHs, RCRA metals, and general chemistry parameters using the methods detailed in the laboratory analytical reports in Appendix B.

6.3 NAPL BAILING

On December 28, 2022, NAPL was bailed from the wells with NAPL, as detailed in Table 8.

6.4 WASTE MANAGEMENT

Decontamination/purge water and NAPL generated during the sampling and NAPL recovery event were temporarily stored in DOT-approved, sealed 55-gallon drums. Recycling documentation is included in Appendix C.

7.0 RESULTS

Measurable NAPL was encountered in wells MW-1, MW-2, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18 through MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.02 foot (MW-9) to 1.80 feet (MW-26).

Measured groundwater levels in the wells ranged from 36.76 feet below TOC (well MW-3) to 42.90 feet below TOC (MW-10). The groundwater flow direction was to the northeast (Plate 3). The groundwater surface elevations and NAPL thicknesses for the wells are summarized in Table 1 and illustrated on the DTW versus time Graphs MW-1 through MW-32.

Groundwater analytical results were compared to NMWQCC standards as shown in Tables 1 through 7. Concentrations reported in the sampled wells did not exceed NMWQCC standards with the following exceptions:

- **MW-3:** Benzene, barium, total naphthalene, and TDS (stable trend).
- **MW-6:** Arsenic, barium, and mercury (increasing trend).
- **MW-17:** Benzene, total naphthalene, barium, and TDS (stable trend).
- **MW-27:** Chloride and TDS (stable trend).
- **MW-28:** TDS (stable trend).
- **MW-31:** Barium (increased above the standard for the first time).

A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene is presented on Plate 4 and TDS, chloride, and select metals are presented on Plate 5.

8.0 CONCLUSIONS

The groundwater flow direction was towards the northeast, consistent with historical results.

NAPL thicknesses in the wells showed a stable to decreasing trend as compared to historical results, except for wells MW-18 and MW-19, which have had an increasing trend since January 2021. The lateral assessment of NAPL and dissolved-phase hydrocarbon constituents of concern are delineated with the exceptions of to the south of wells MW-6, MW-16, and MW-19; southeast of wells MW-6 and MW-8; and north of wells MW-26 through MW-28.

Dissolved-phase concentrations in the wells were consistent with historical results, except as noted in Section 7.0.

9.0 RECOMMENDATIONS AND WORK IN PROGRESS

Stantec recommends the following:

- Continue periodic groundwater monitoring.
- Continue delineating the extent of dissolved-phase COCs and LNAPL.
- Continue evaluating potential source(s) of the LNAPL.
- Continue submitting semi-annual groundwater monitoring reports.

10.0 REFERENCES

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

New Mexico Oil Conservation Division (NMOCD). August 13, 1993. *Guidelines for Remediation of Spills, Leaks, and Releases.*

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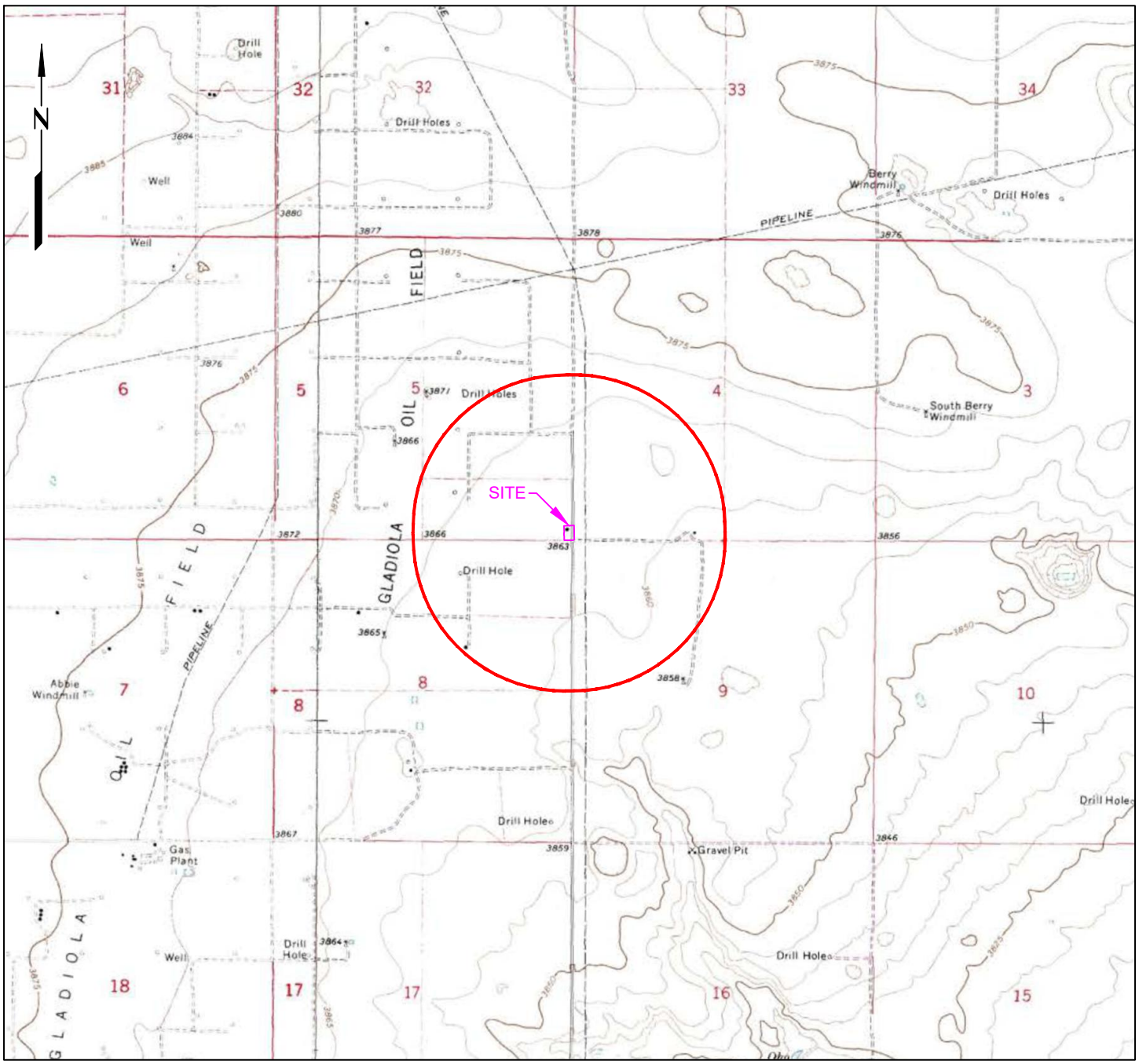


FN 203722919.TOPO05

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

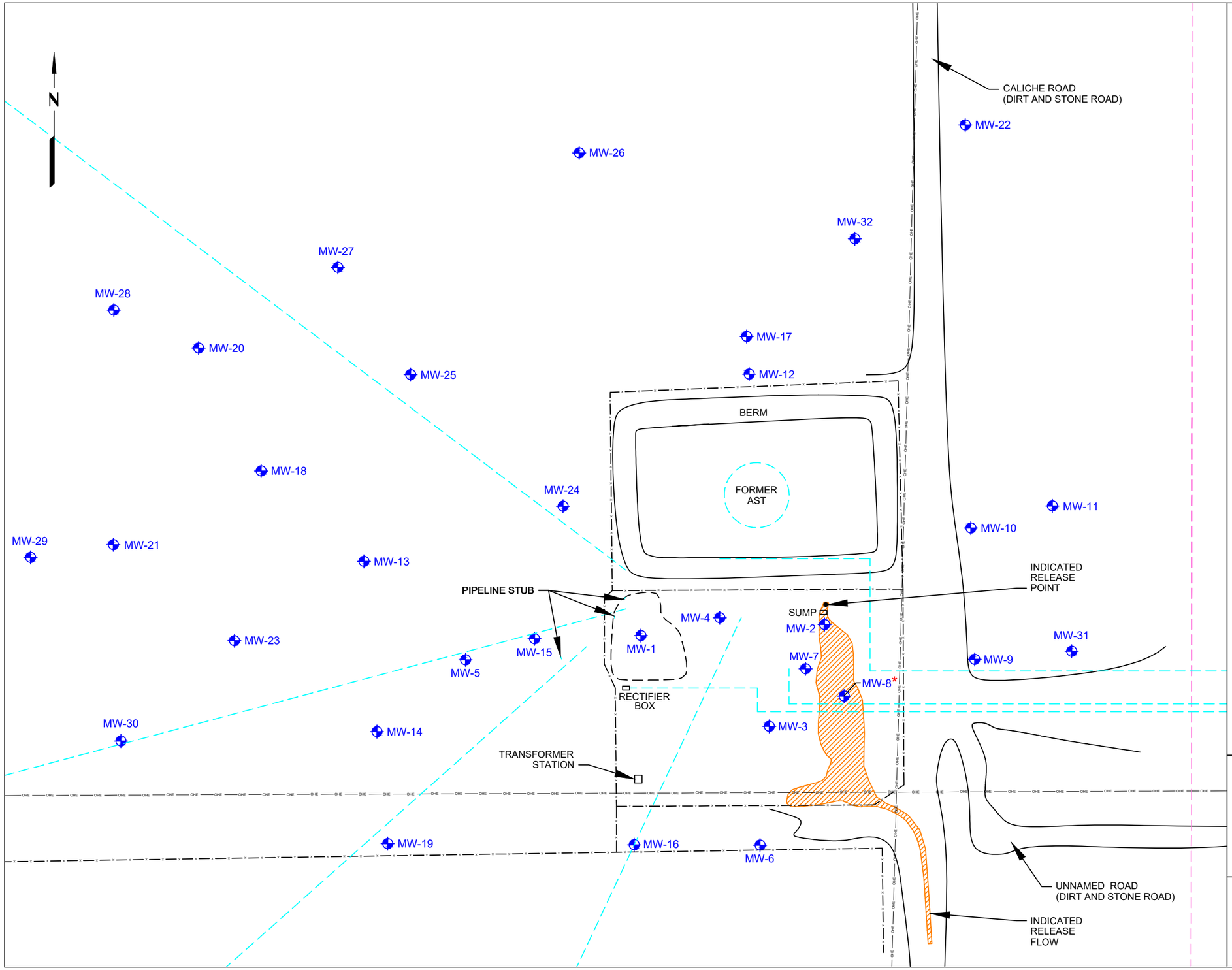
SOURCE: Modified from a map provided by MapPass

Stantec

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
203722919
PLATE
1



EXPLANATION

- MW-32 — Groundwater monitoring well
- * — Well is presumed to have been destroyed
- Overhead electric line
- Fence
- Active pipeline
- Inactive pipeline
- Extent of May 2007 surface release
- Extent of 2004 remedial soil excavation

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

APPROXIMATE SCALE

0 60 120
FEET

FN 2037229190002

GENERALIZED SITE PLAN

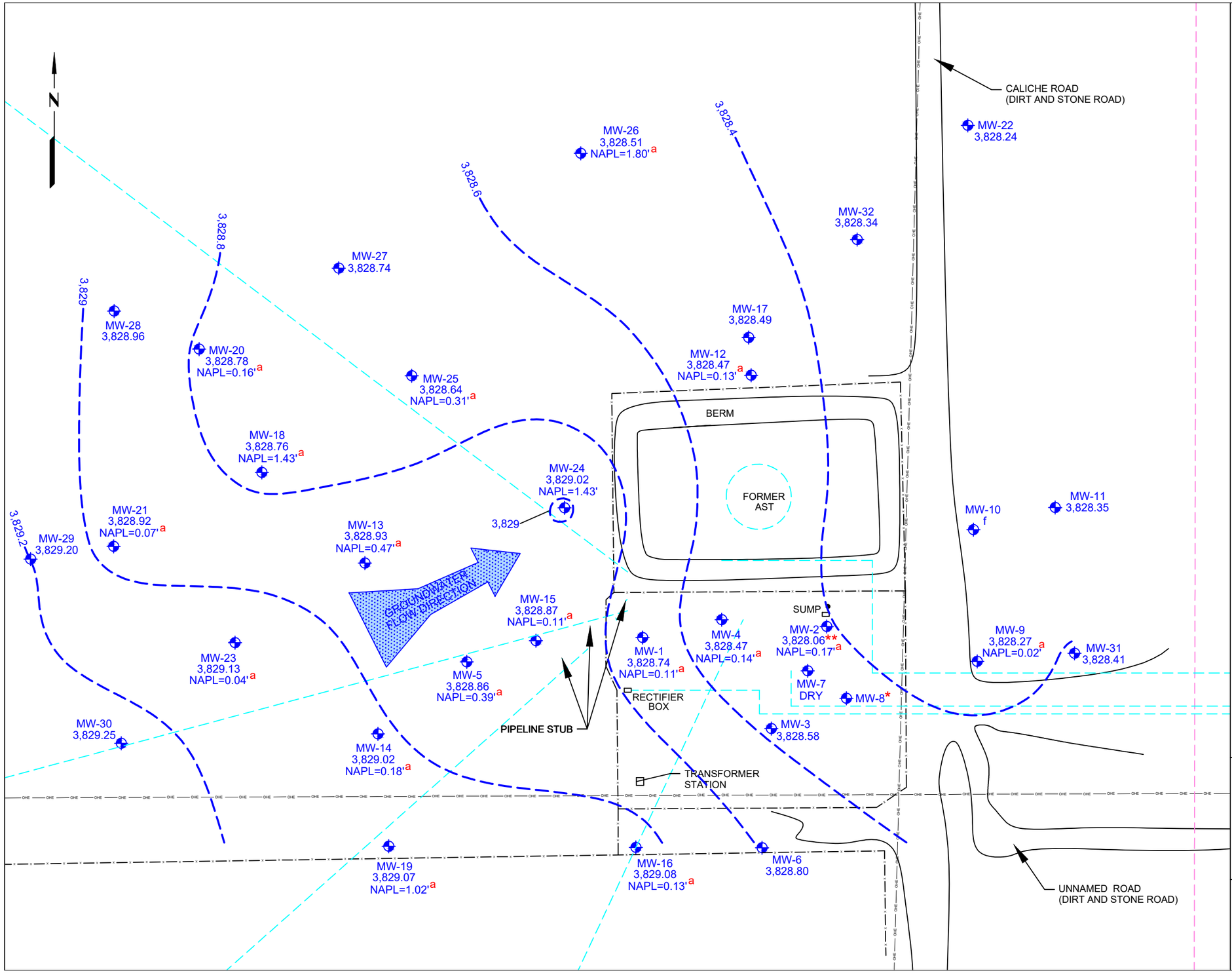
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
2

DATE: 02/24/23



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Not used for contouring
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
f	DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.
NAPL=1.80'	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 2037229190002

GROUNDWATER ELEVATION MAP 12/28-30/22

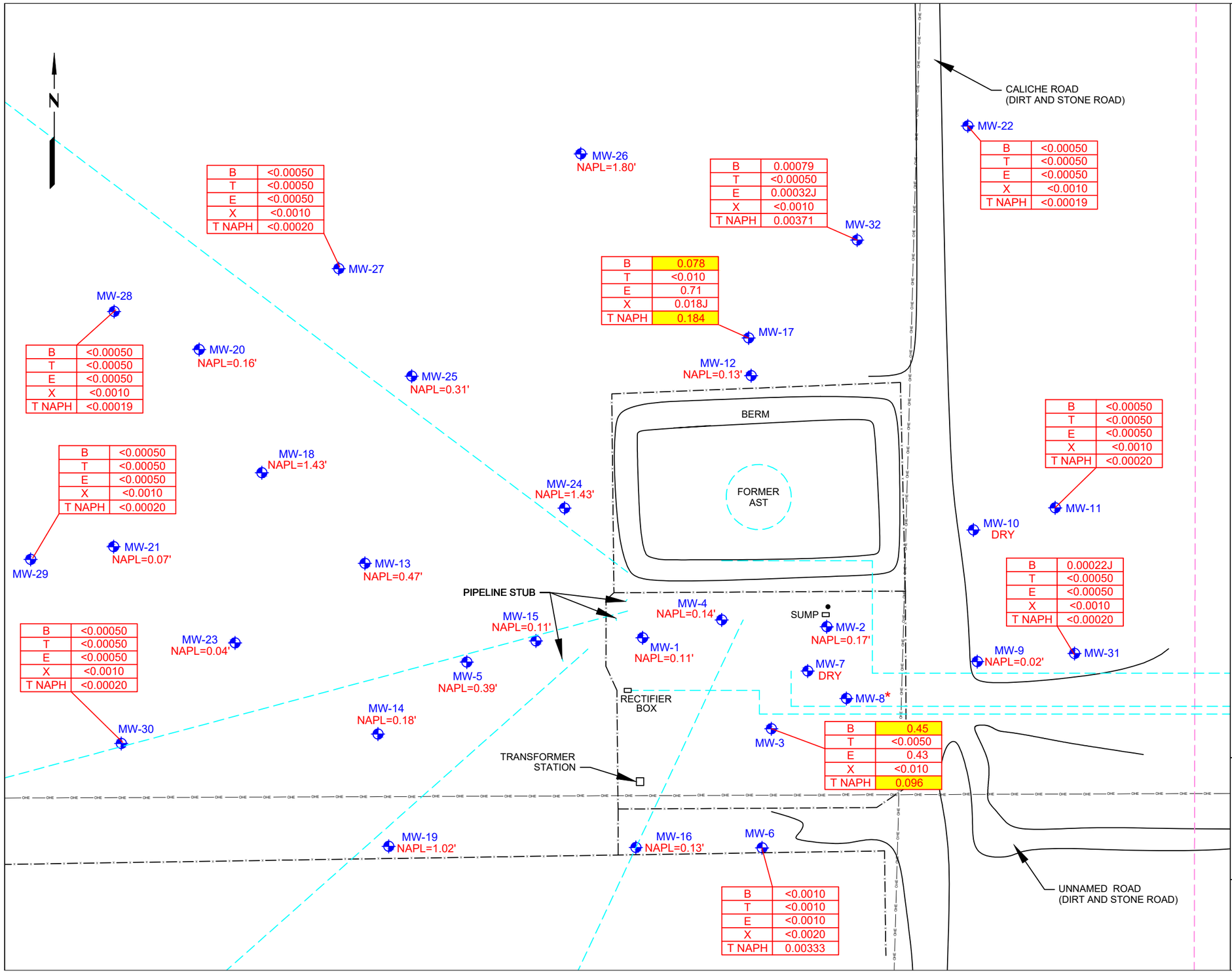
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
3

DATE: 02/24/23



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
0.45	Exceeds NMED WQCC HHS (0.01 mg/l for benzene) (0.03 mg/l for total naphthalene)

B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
T NAPH	Total naphthalene

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
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Groundwater & Environmental Services, Inc.
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APPROXIMATE SCALE

0 60 120
FEET

FN 2037229190002

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS 12/28-30/22

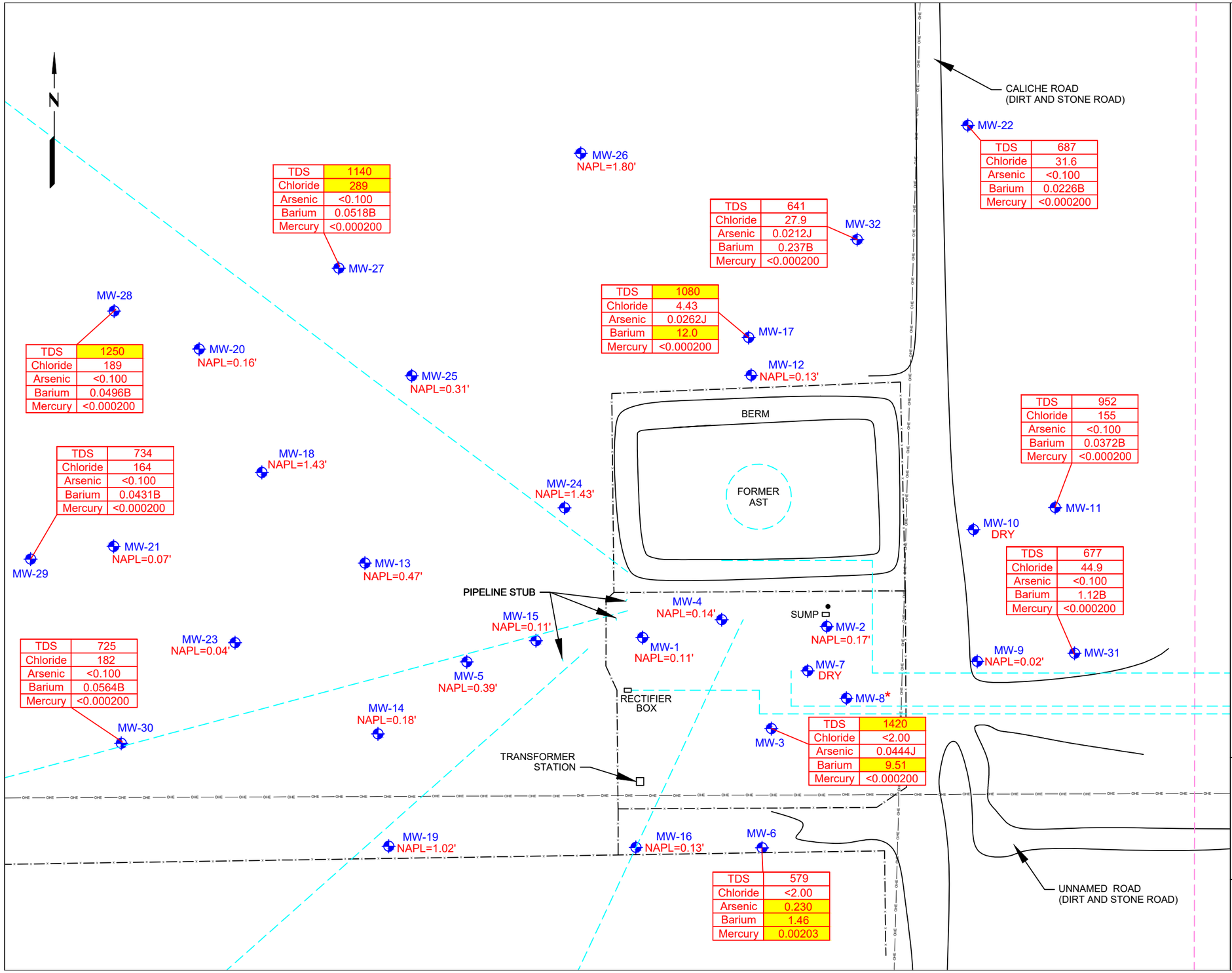
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
4

DATE: 02/24/23



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
B	Analyte reported in associated method or trip blank
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
1420	Exceeds NMED WQCC HHS (1000 mg/l for TDS) (250 mg/l for chloride) (0.1 mg/l for arsenic) (1 mg/l for barium) (0.002 mg/l for mercury)

TDS	Total dissolved solids
Chloride	Chloride
Arsenic	Arsenic
Barium	Barium
Mercury	Mercury

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

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

APPROXIMATE SCALE

0 60 120
FEET

FN 2037229190002

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS 12/28-30/22

GLADIOLA STATION
Lea County, New Mexico

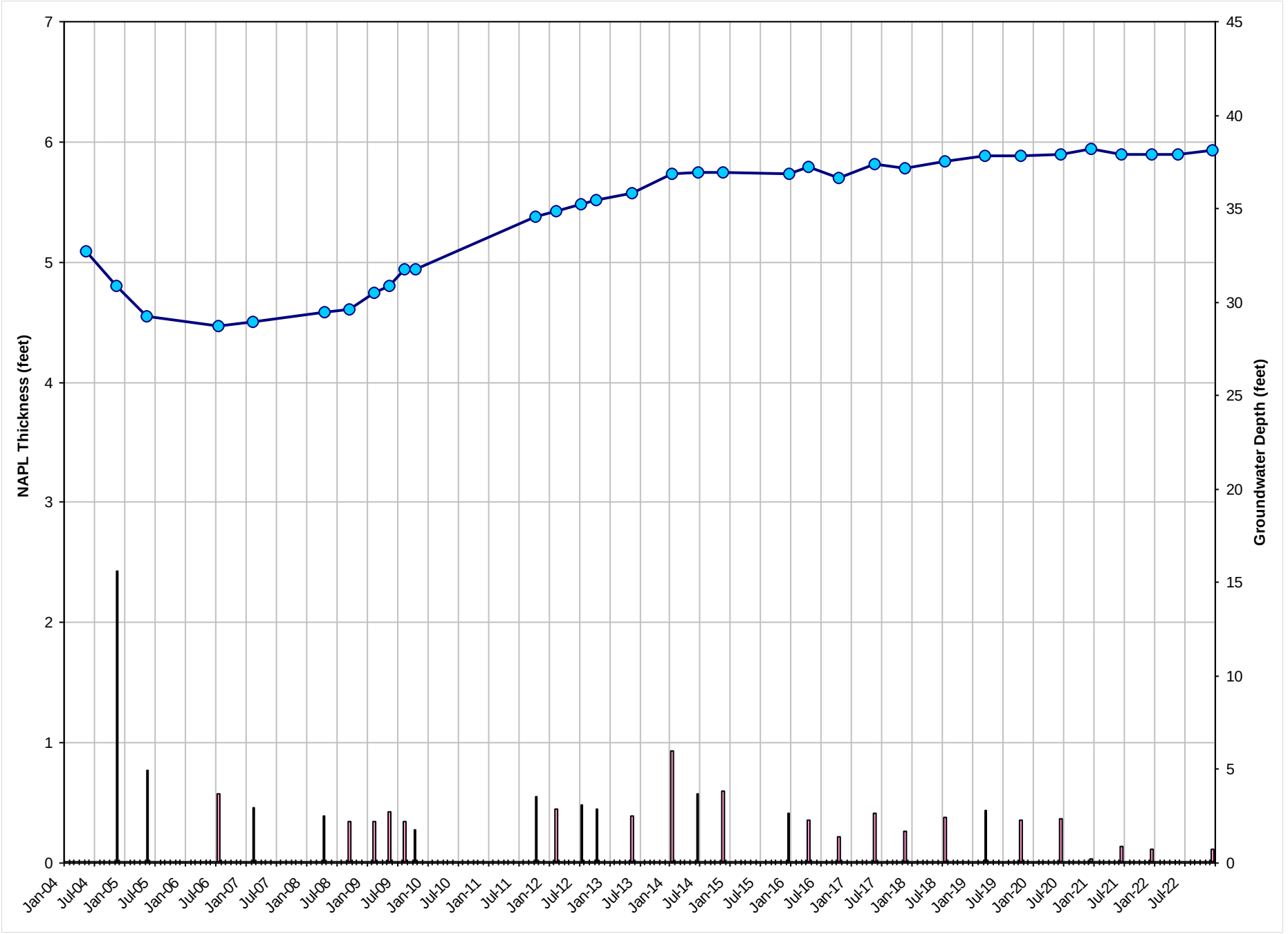
Stantec

PROJECT NO. 203722919

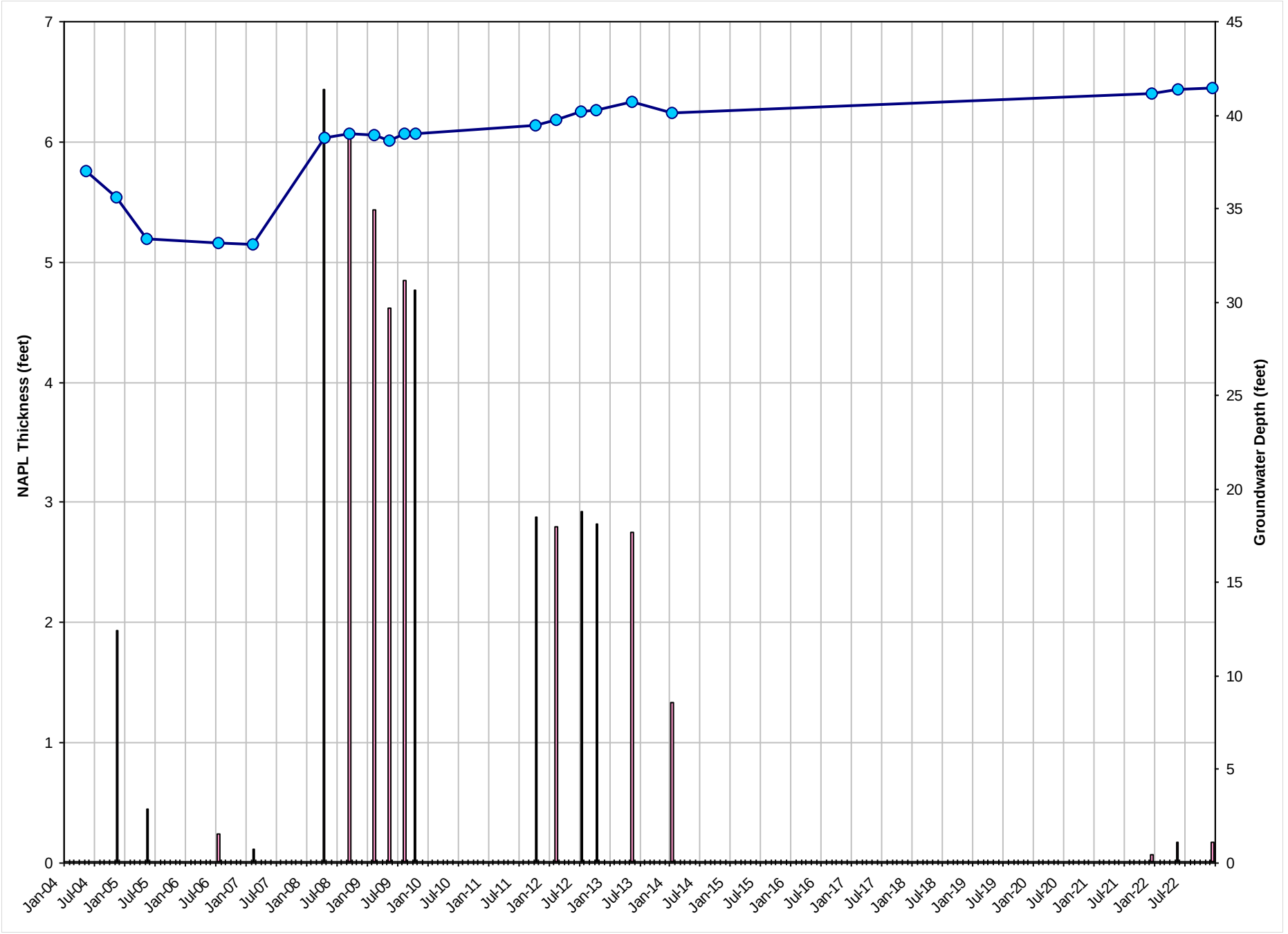
PLATE 5

DATE: 02/24/23

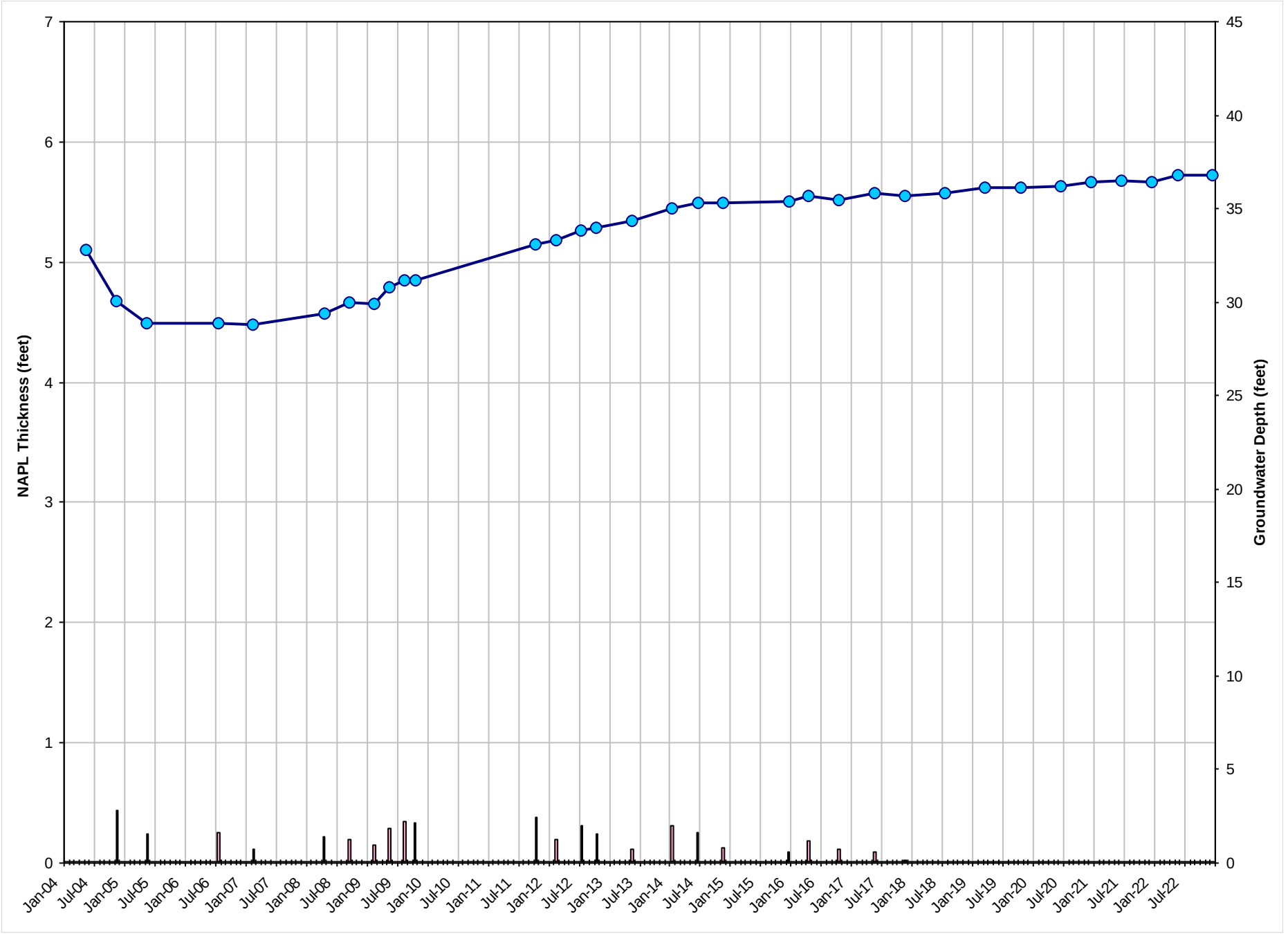
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



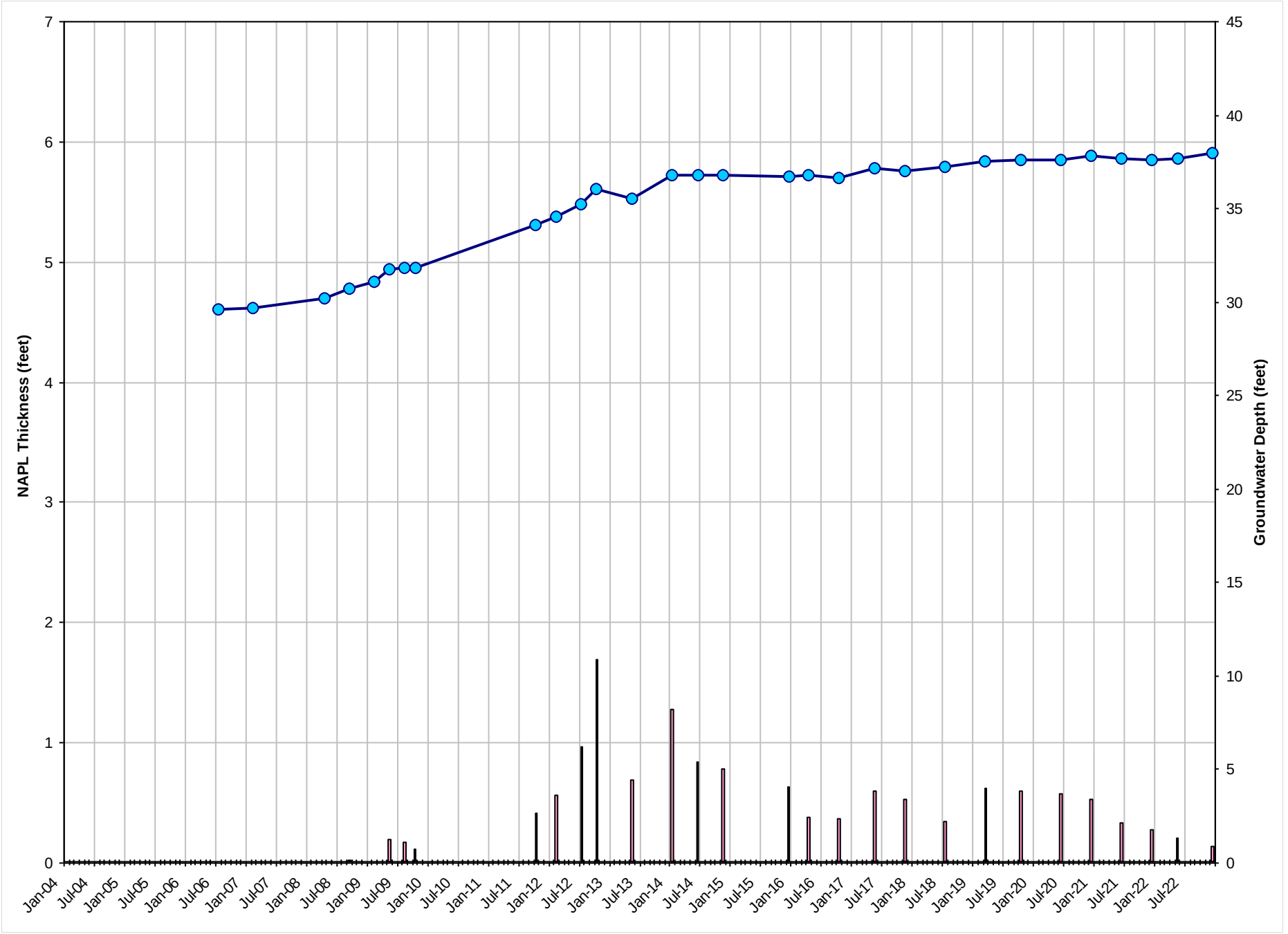
GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



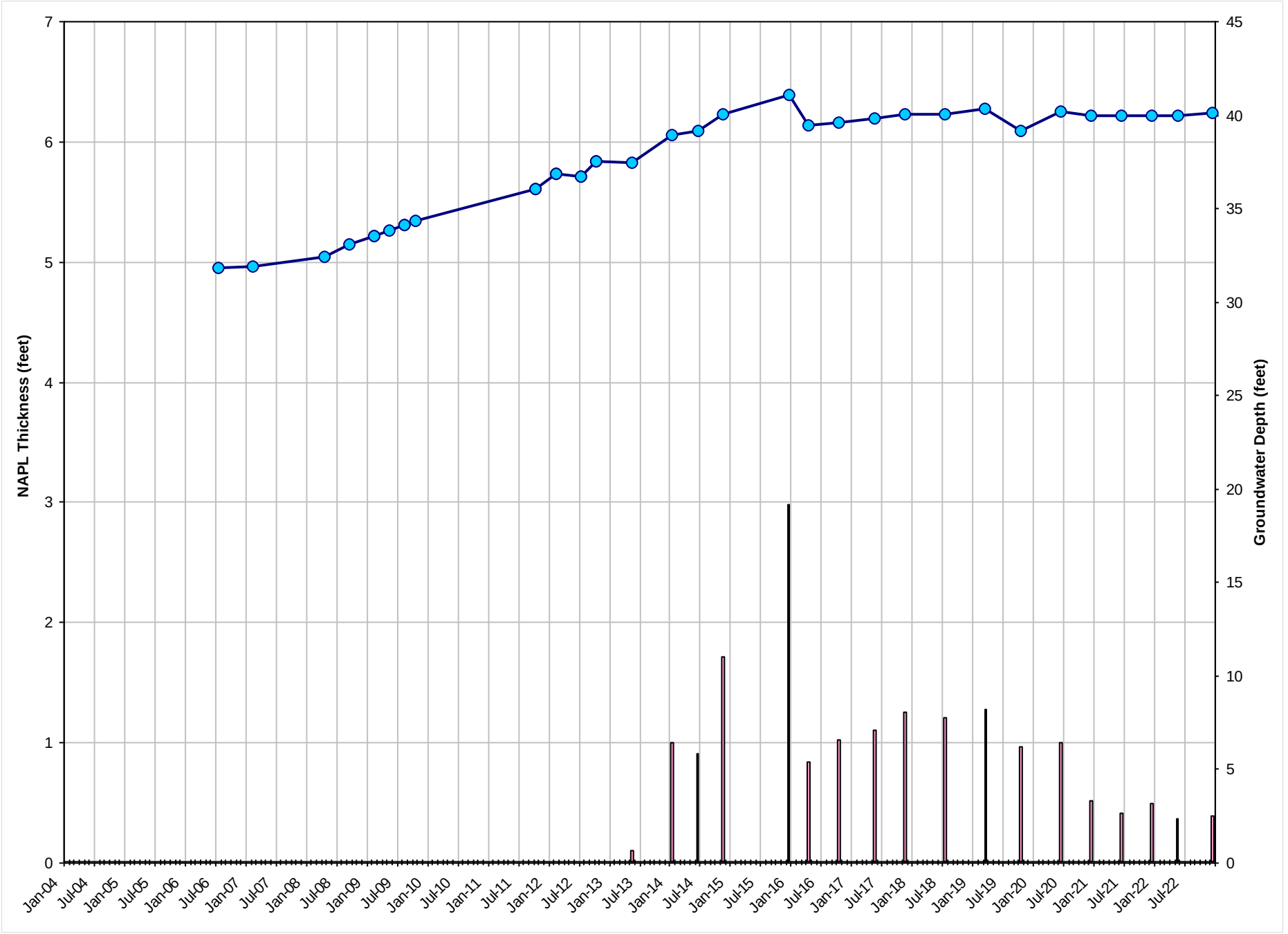
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



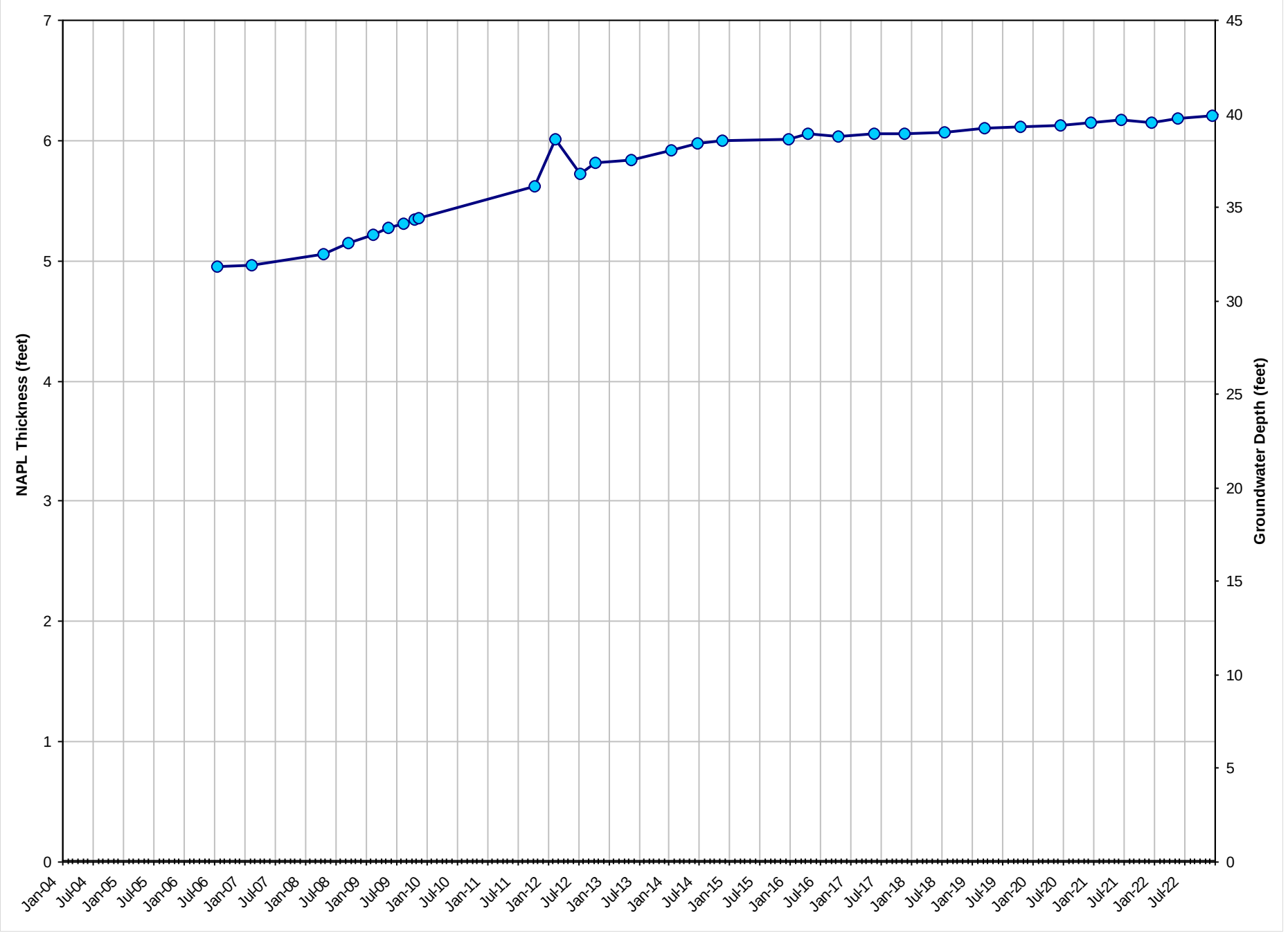
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



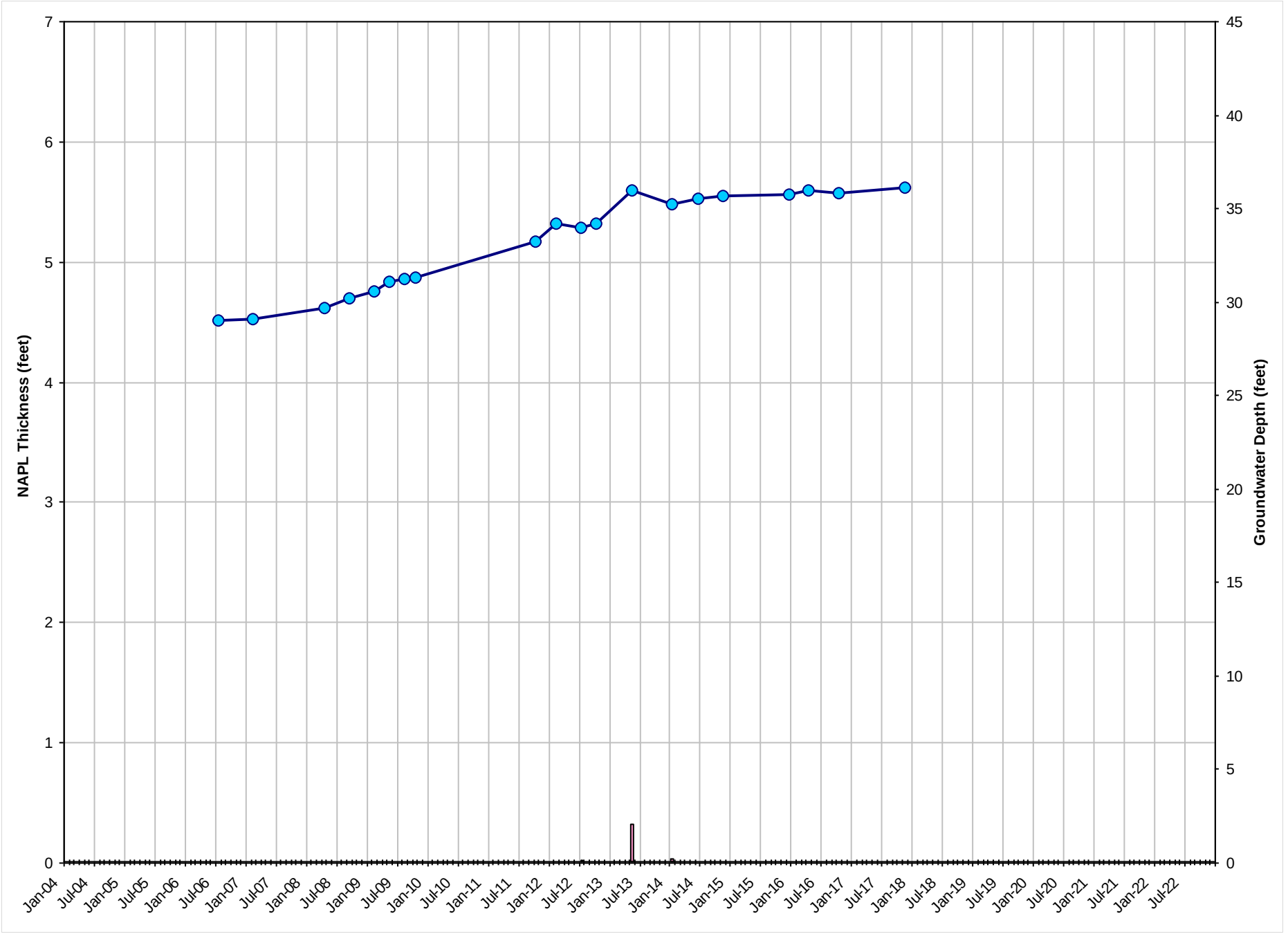
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



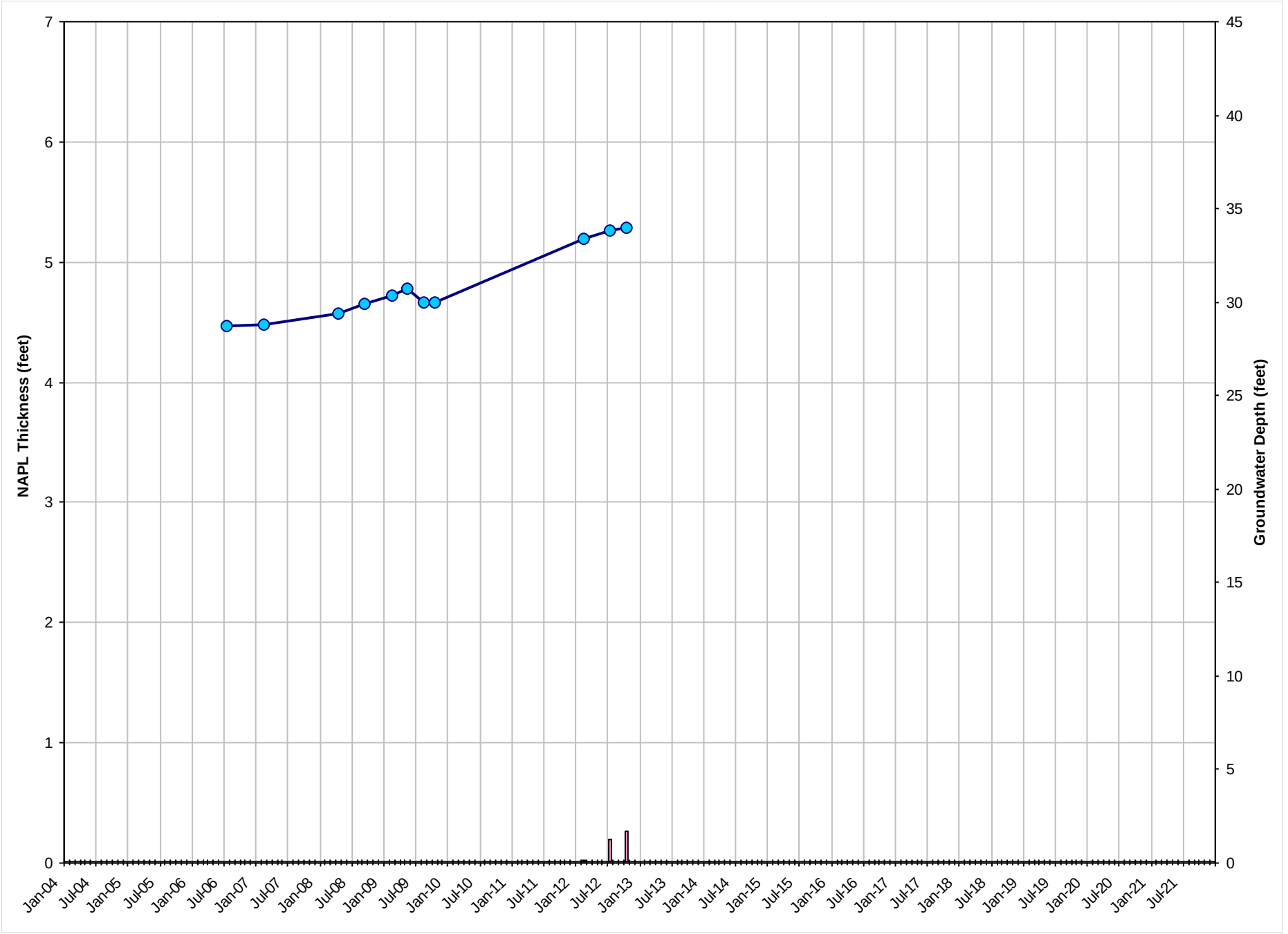
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



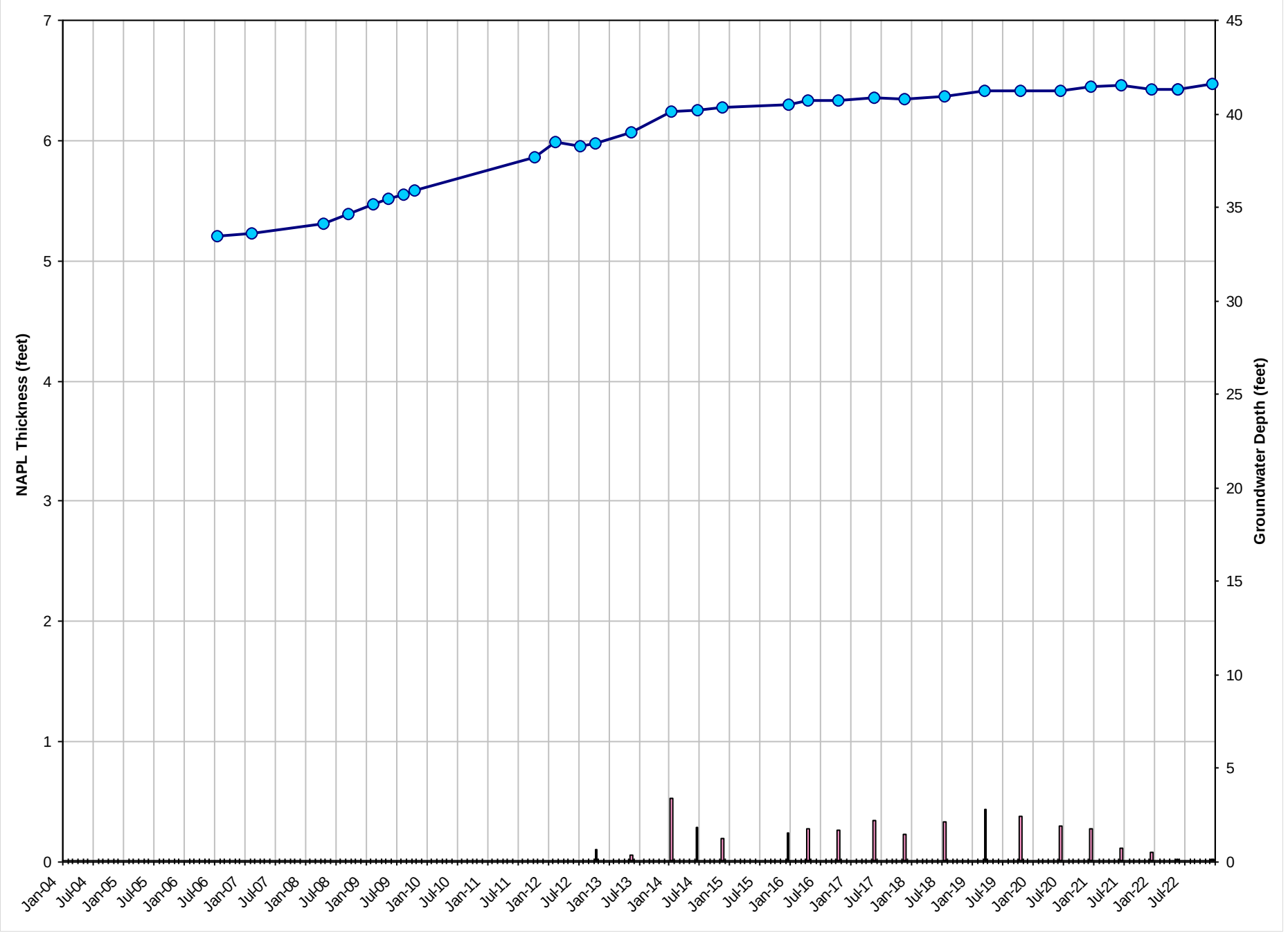
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



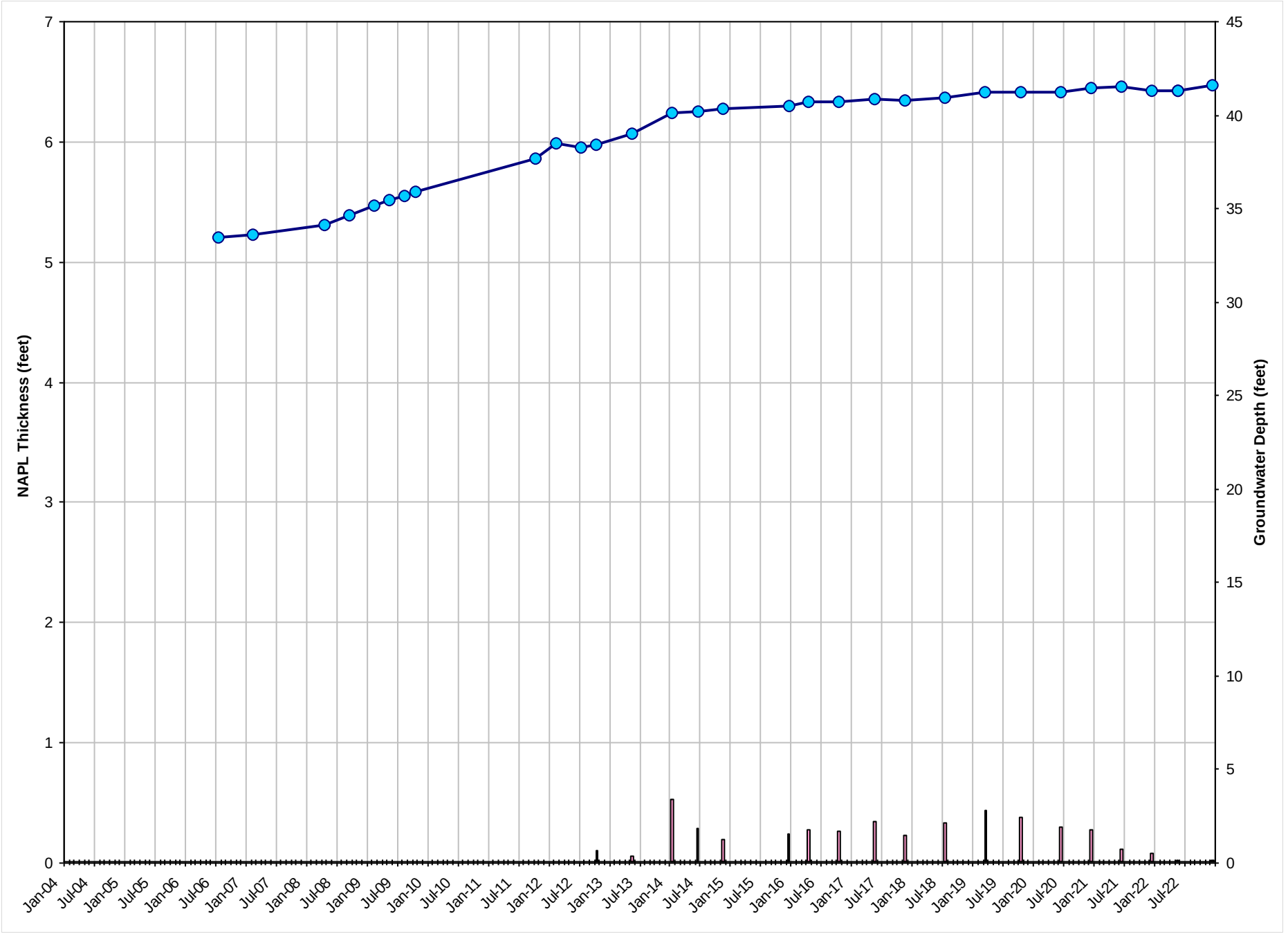
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



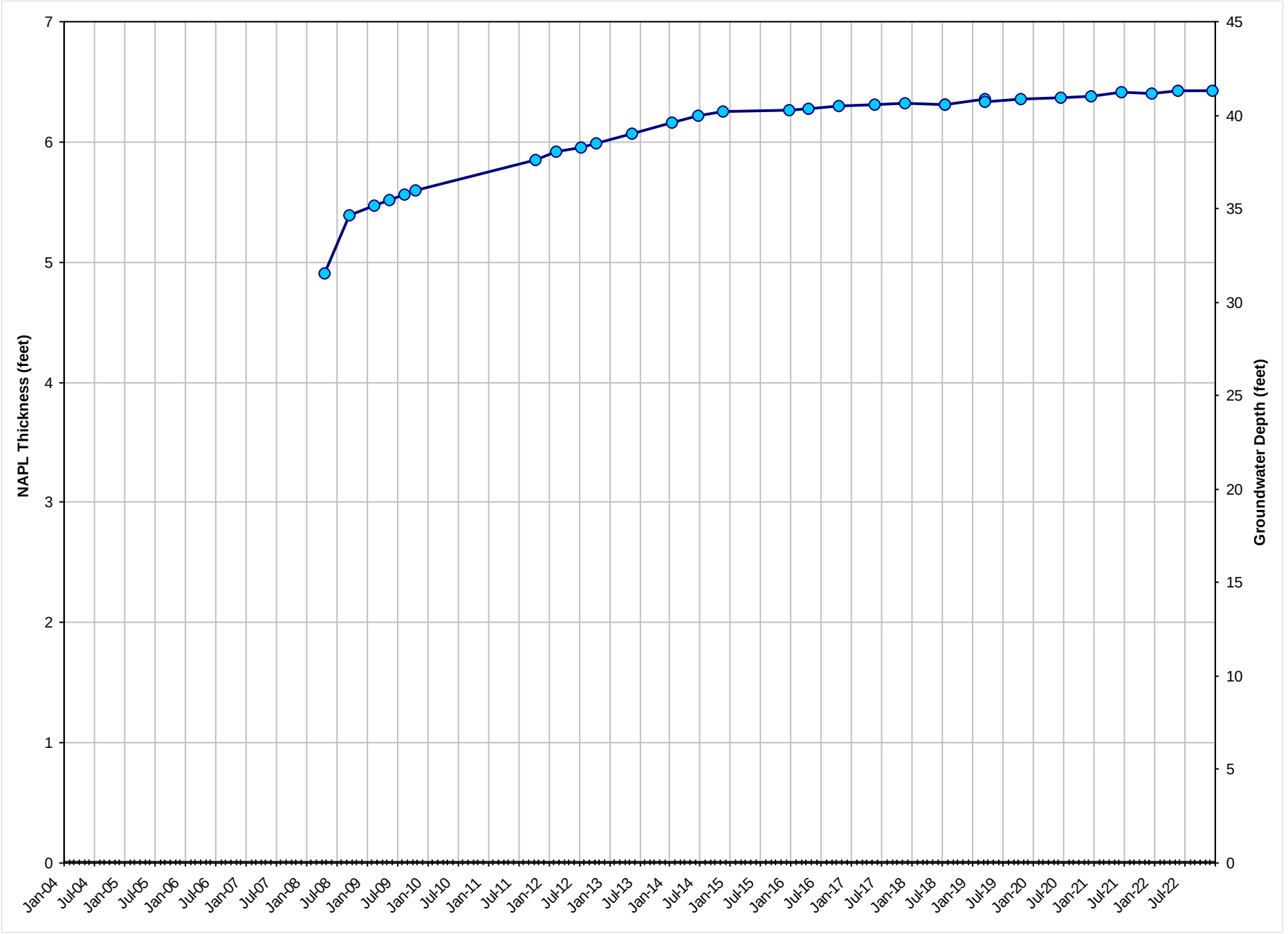
GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



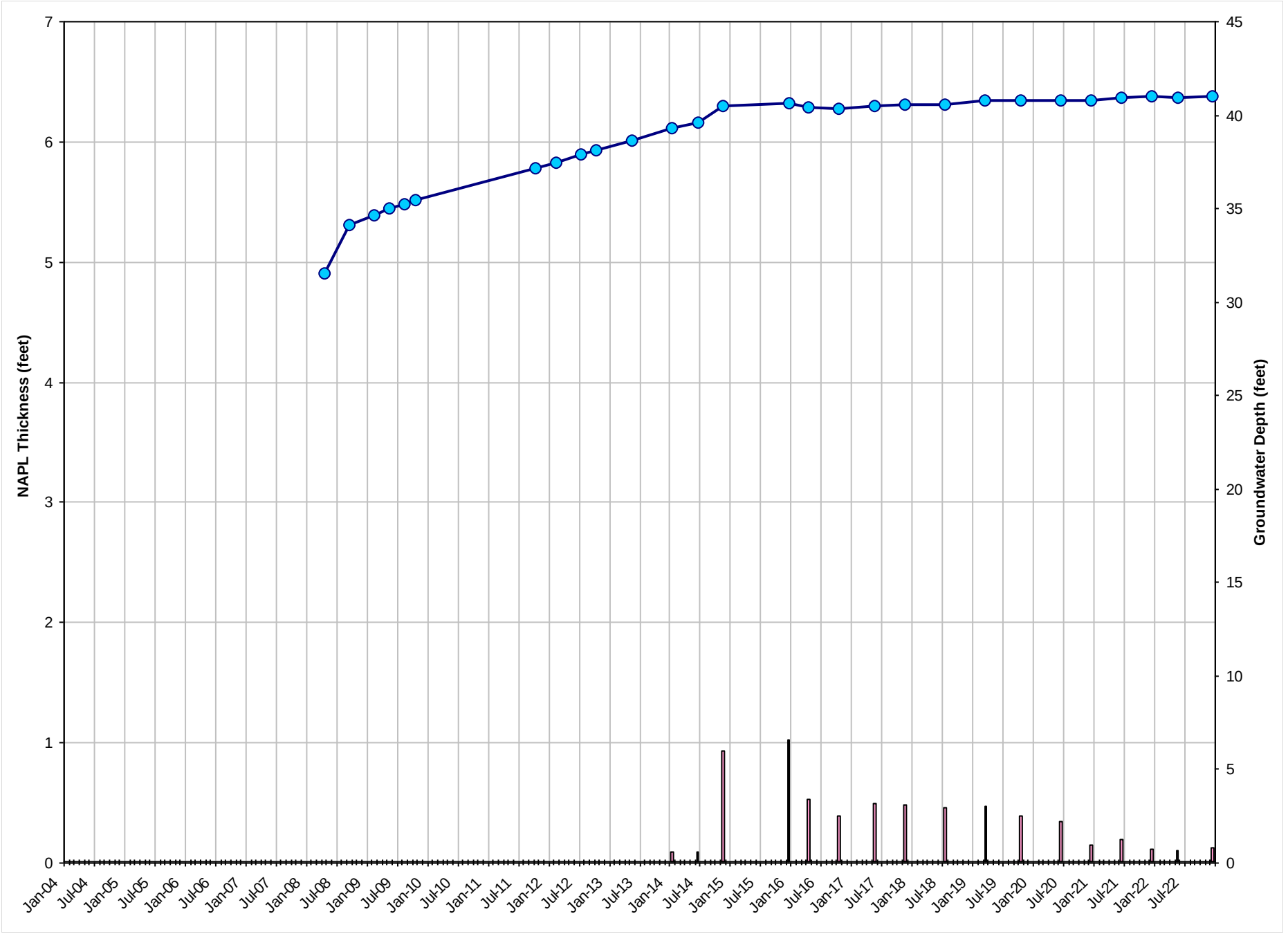
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



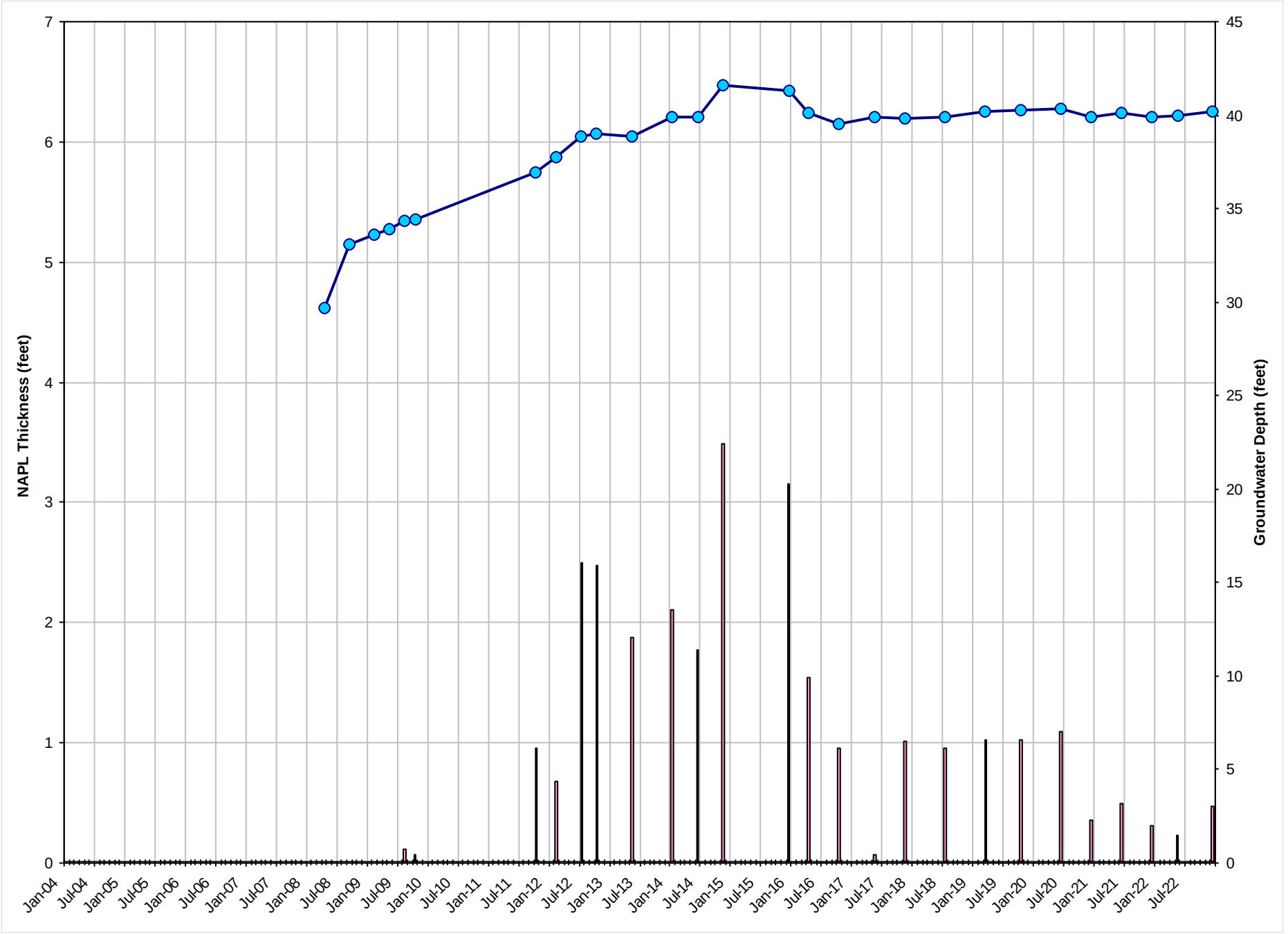
GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



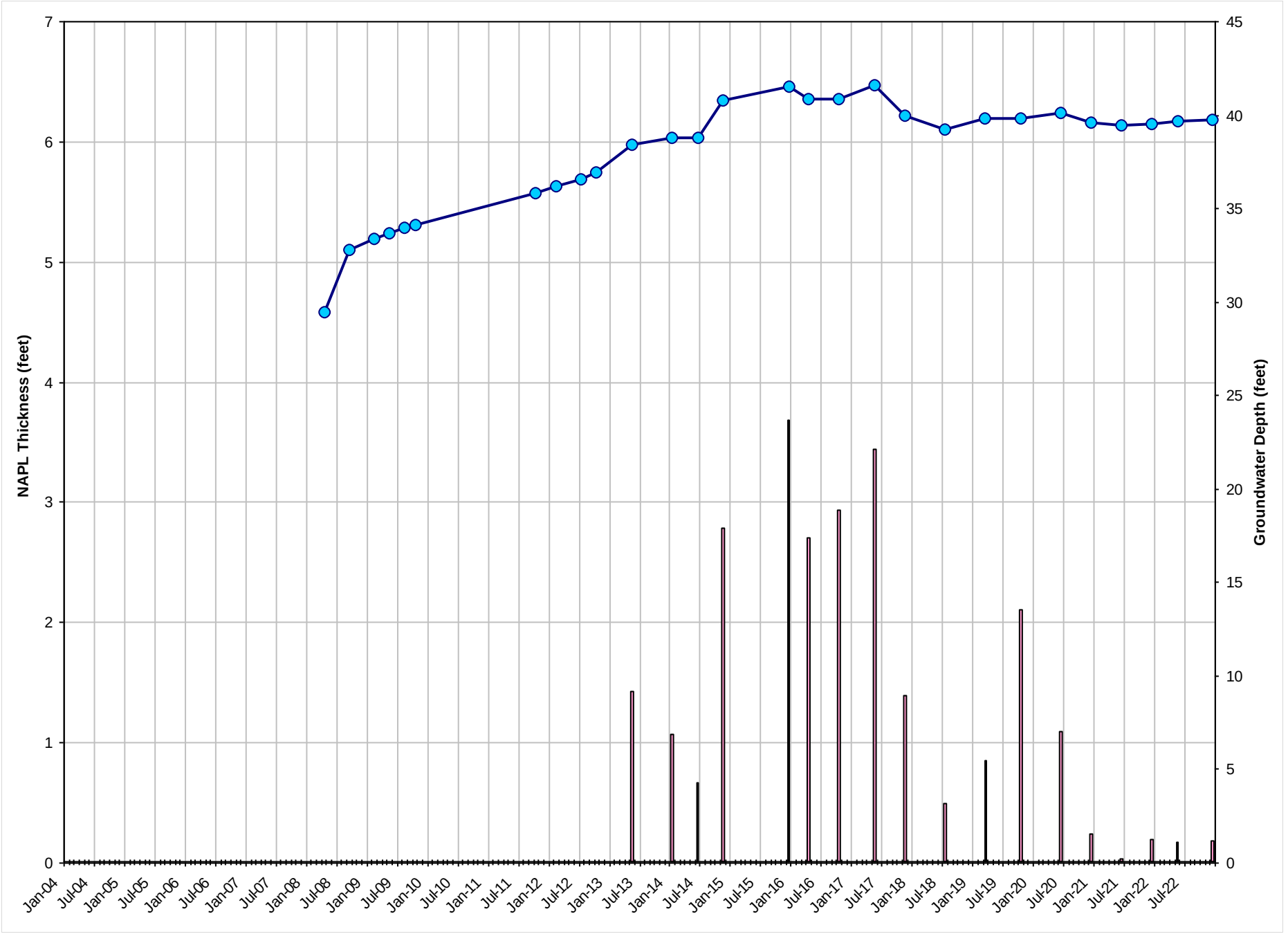
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



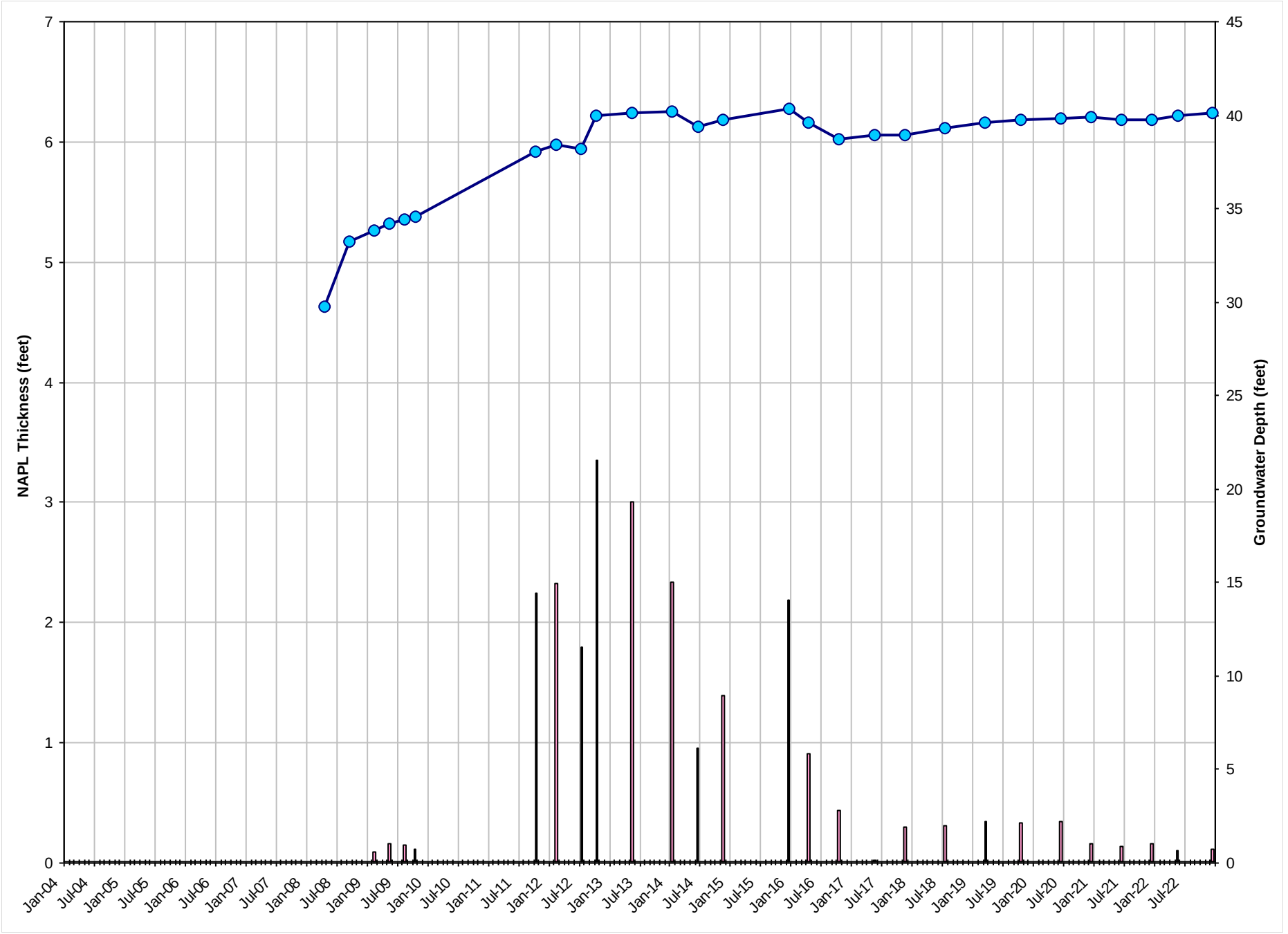
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



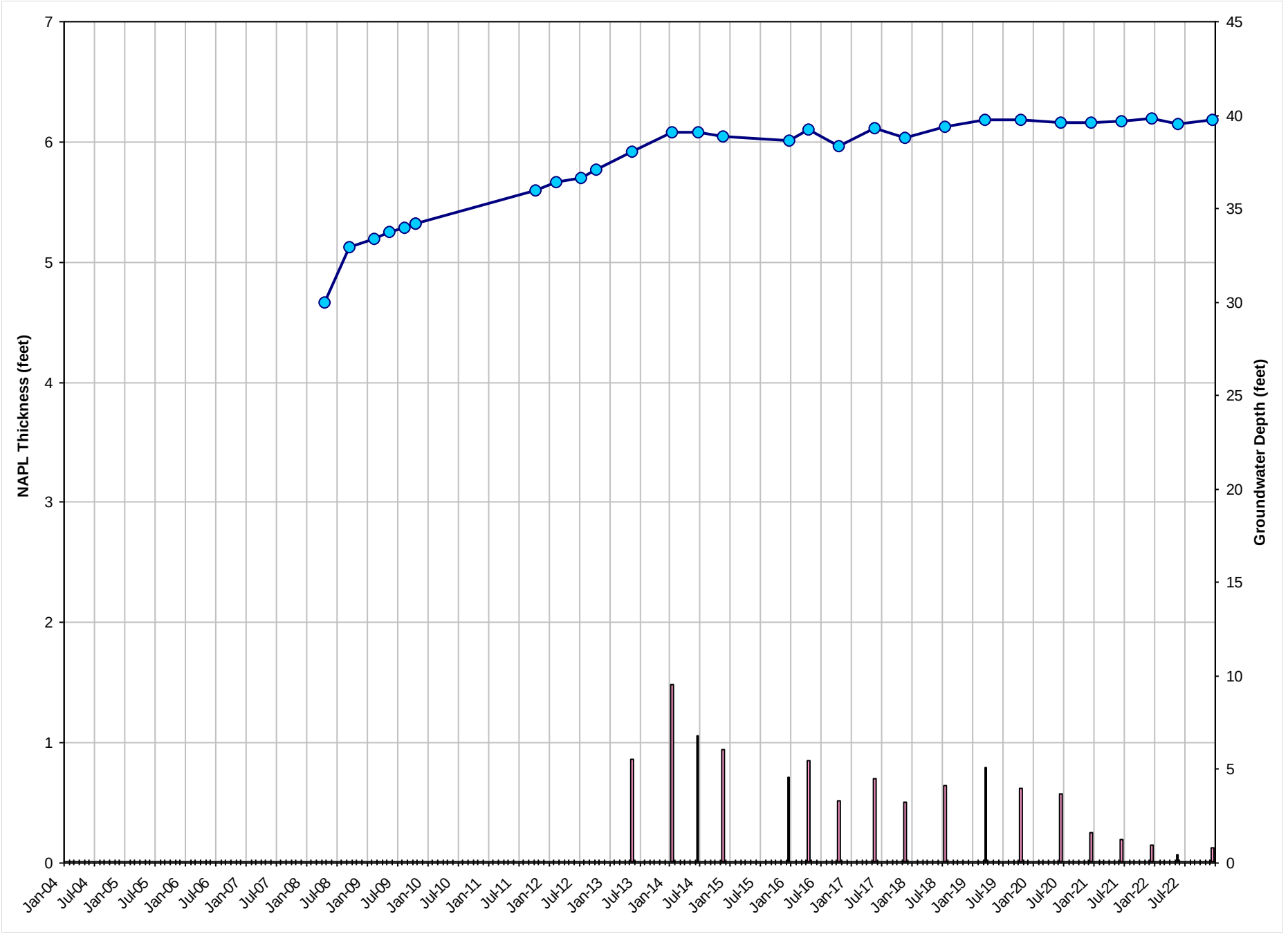
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



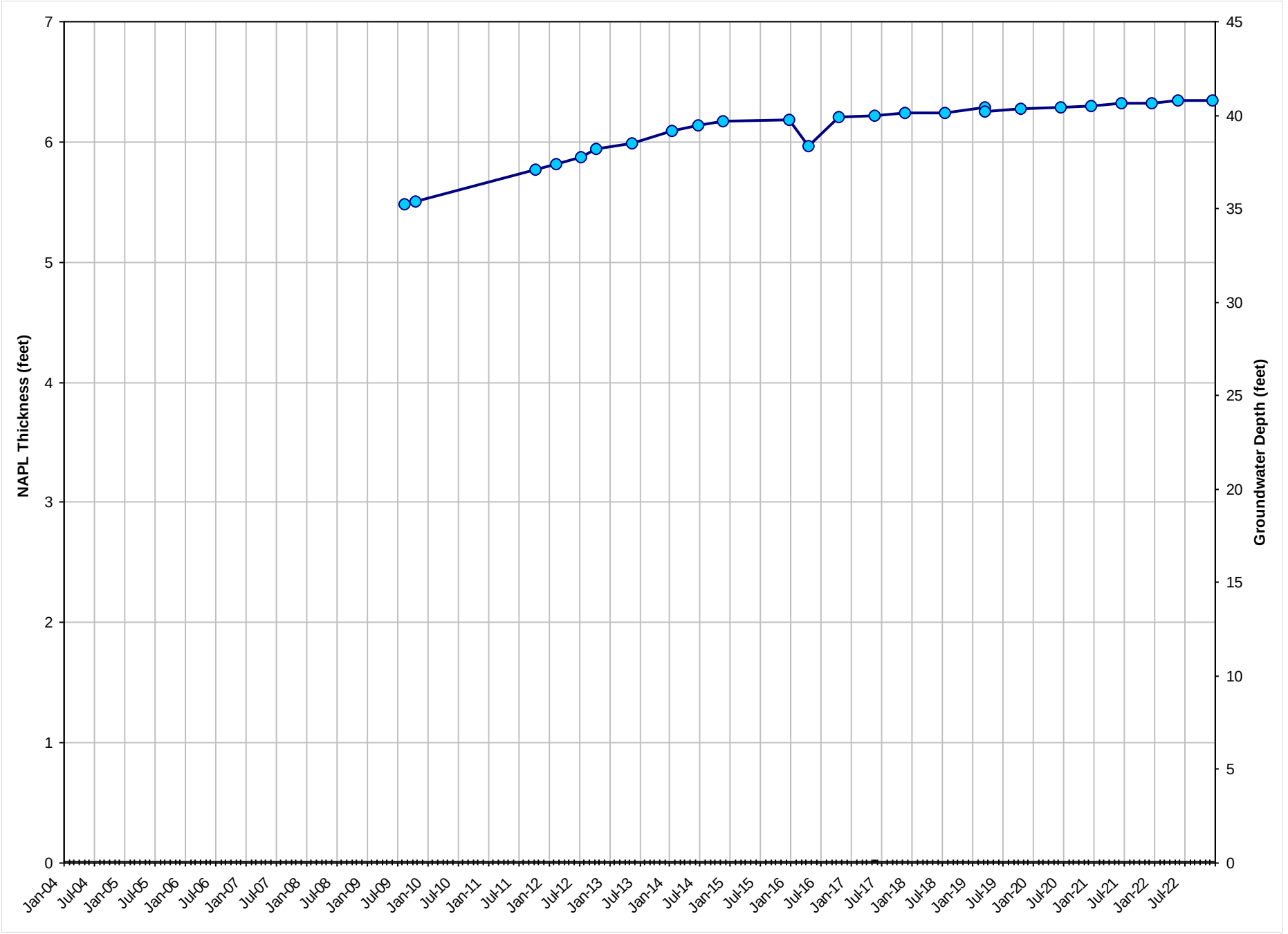
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



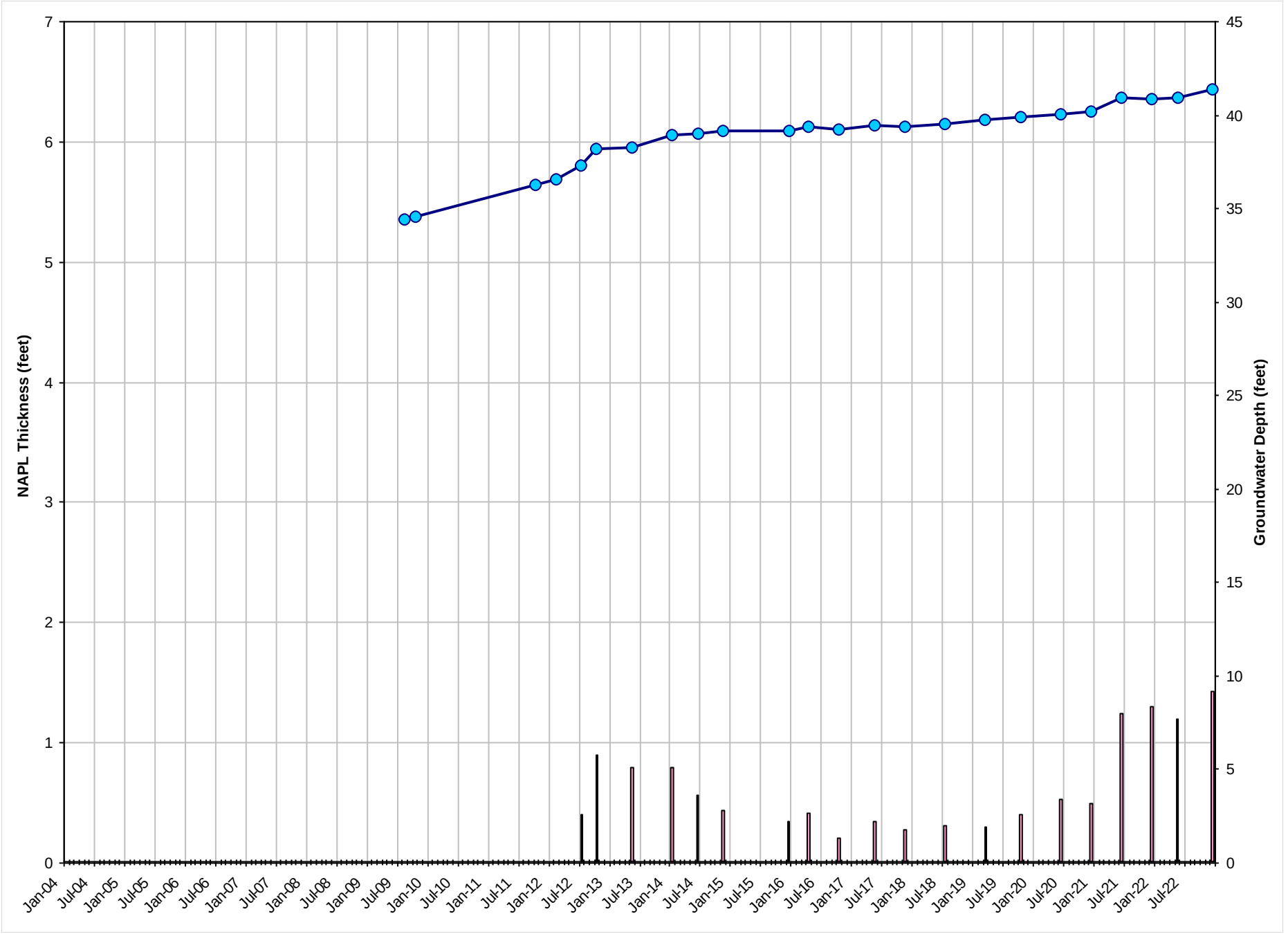
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



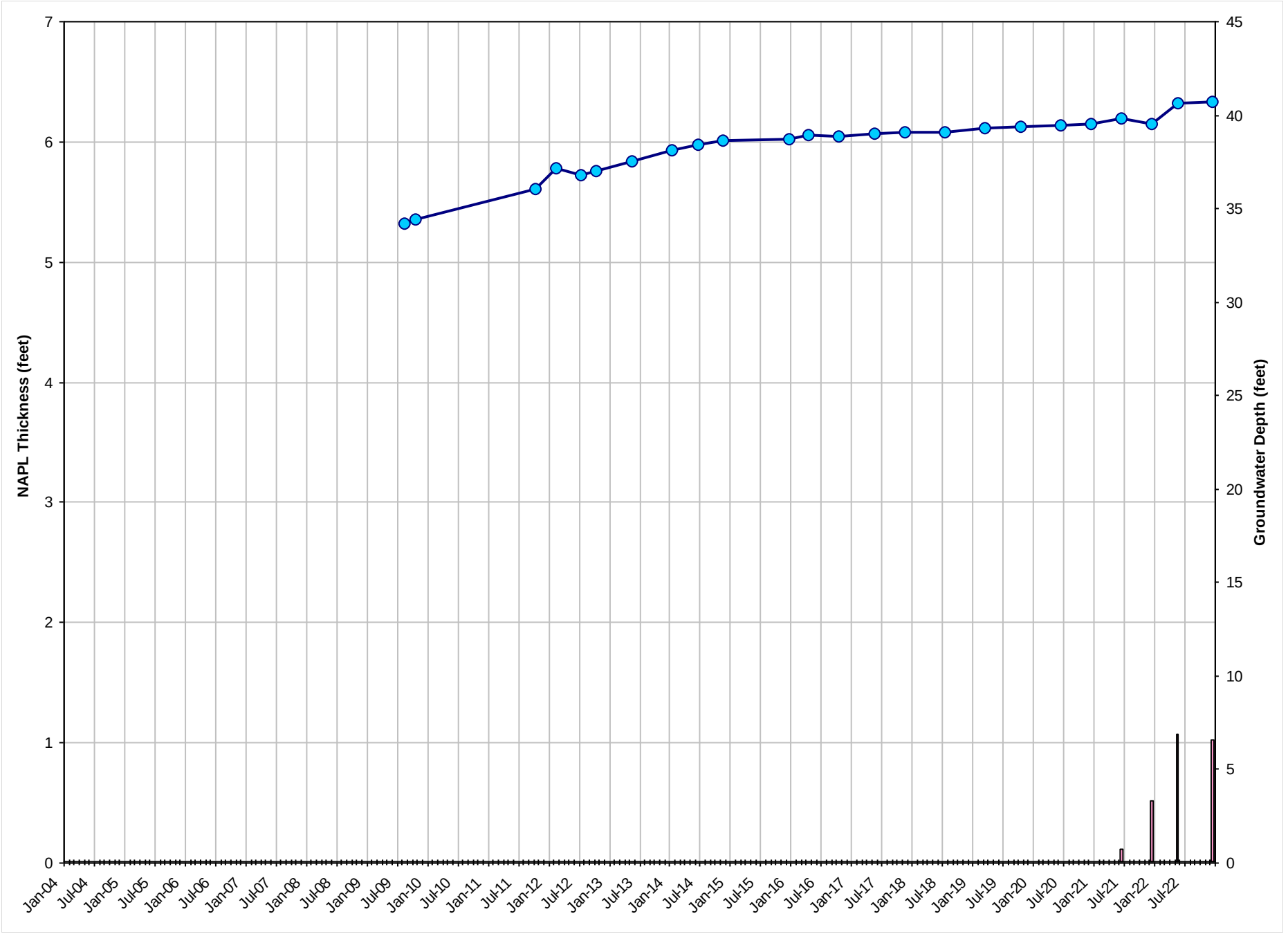
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



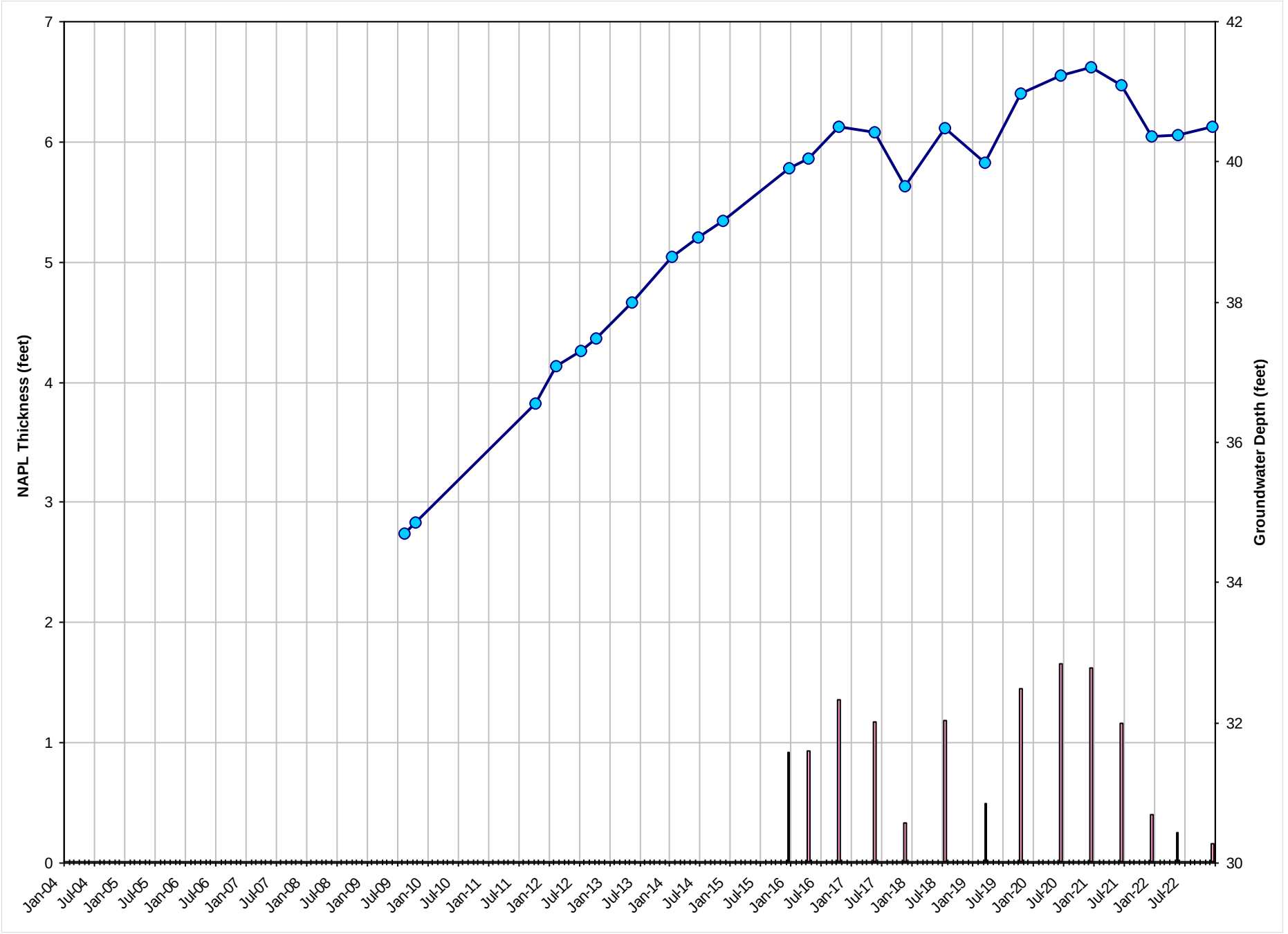
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



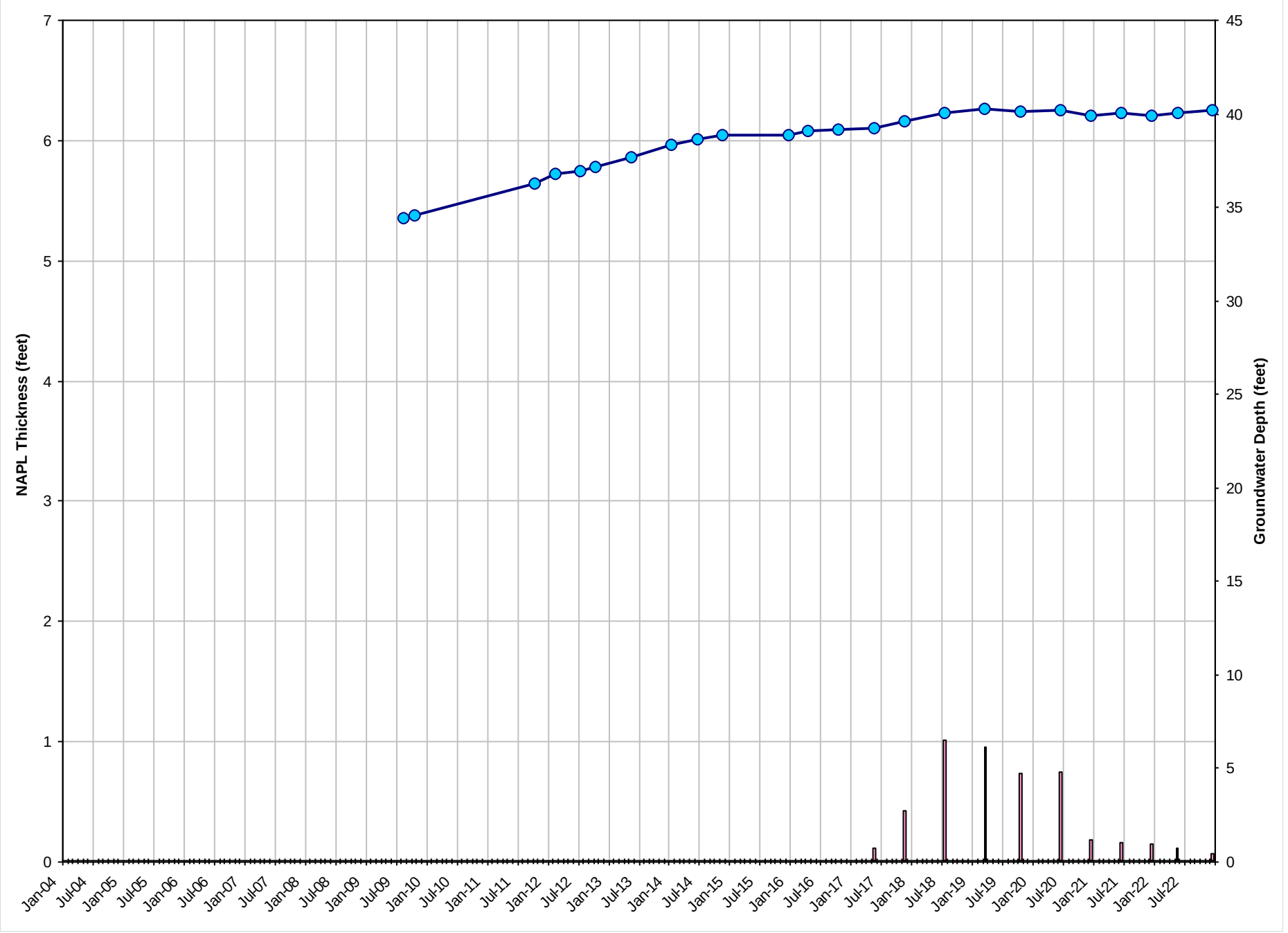
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



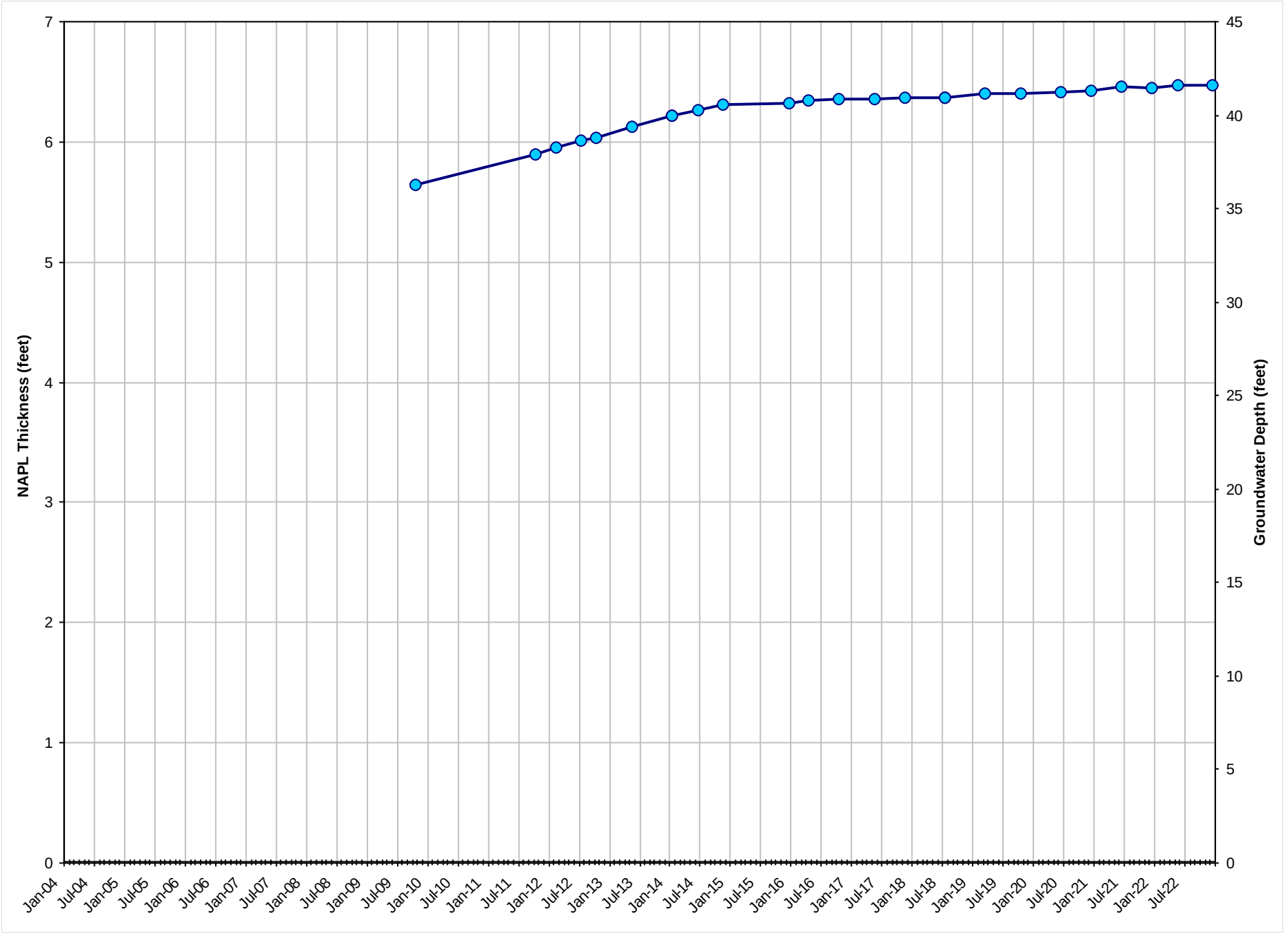
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



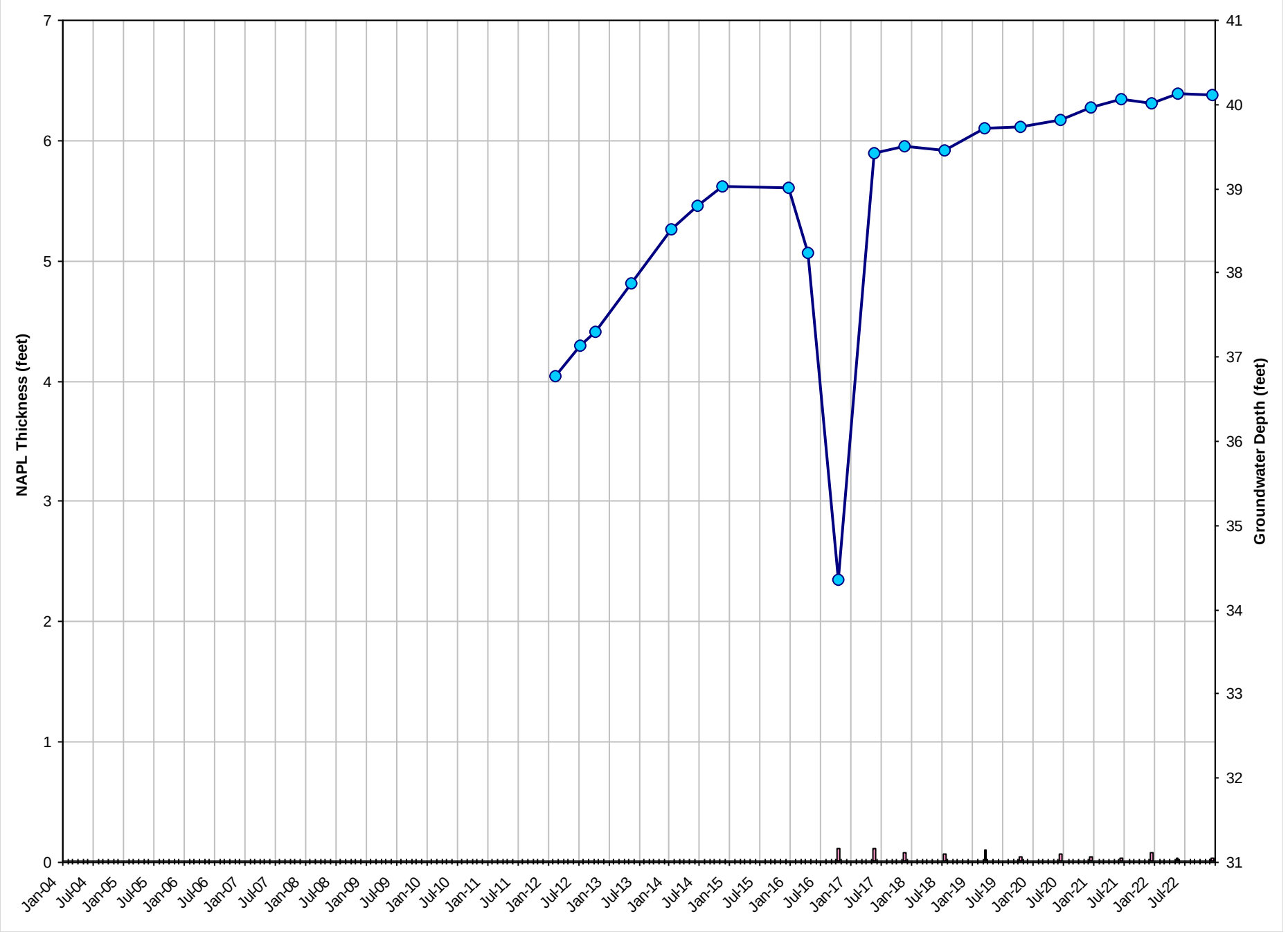
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



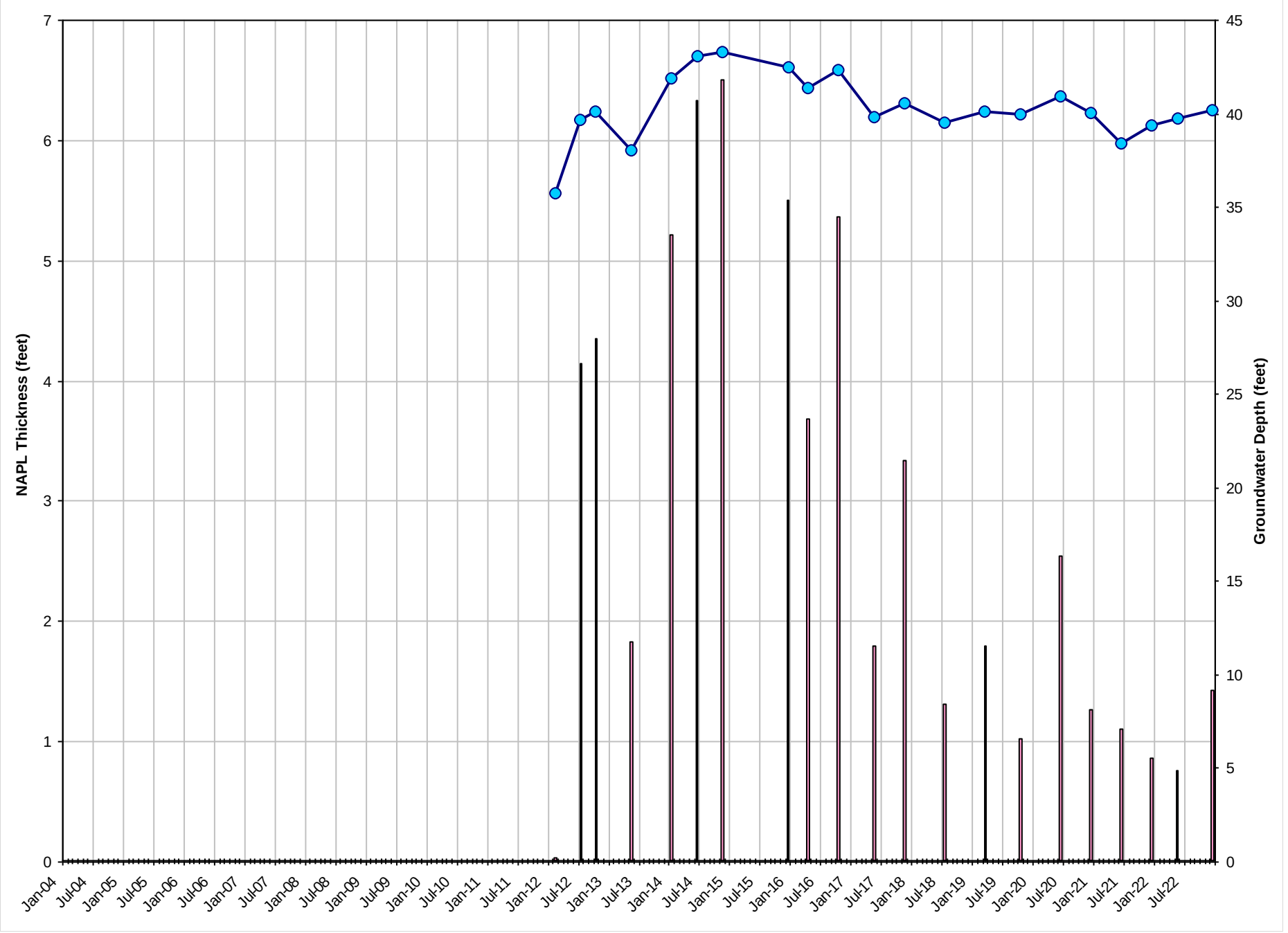
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



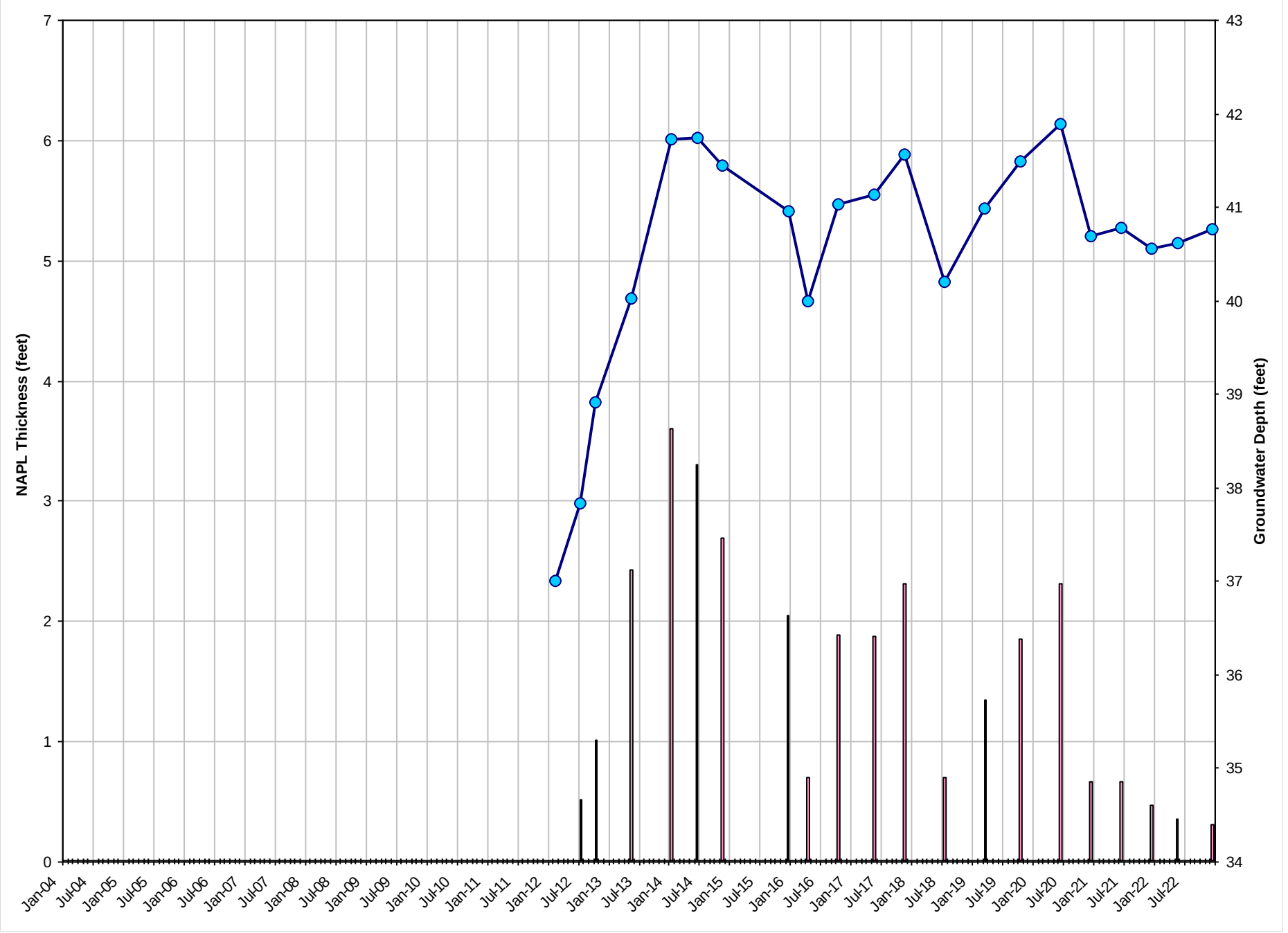
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



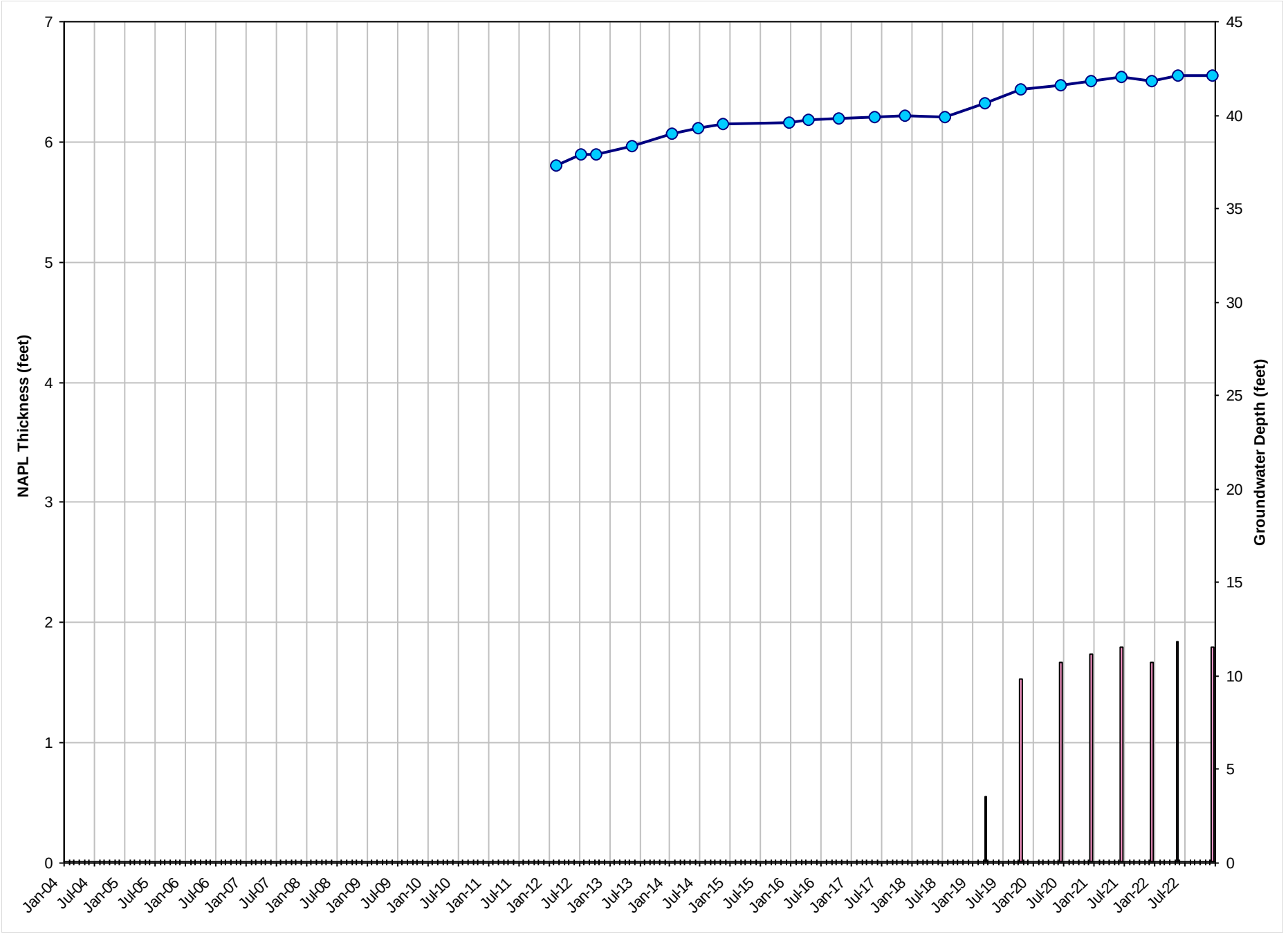
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



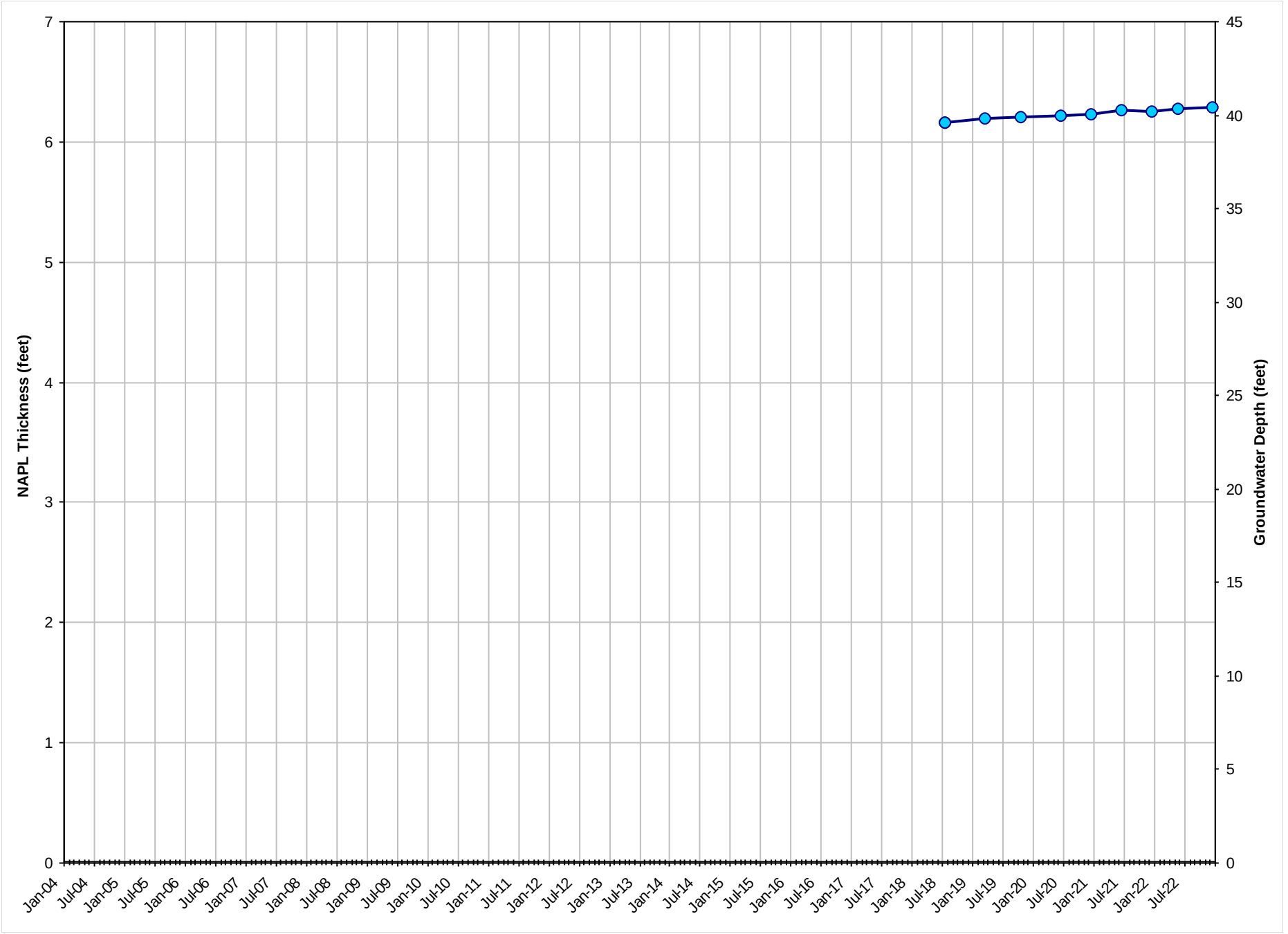
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



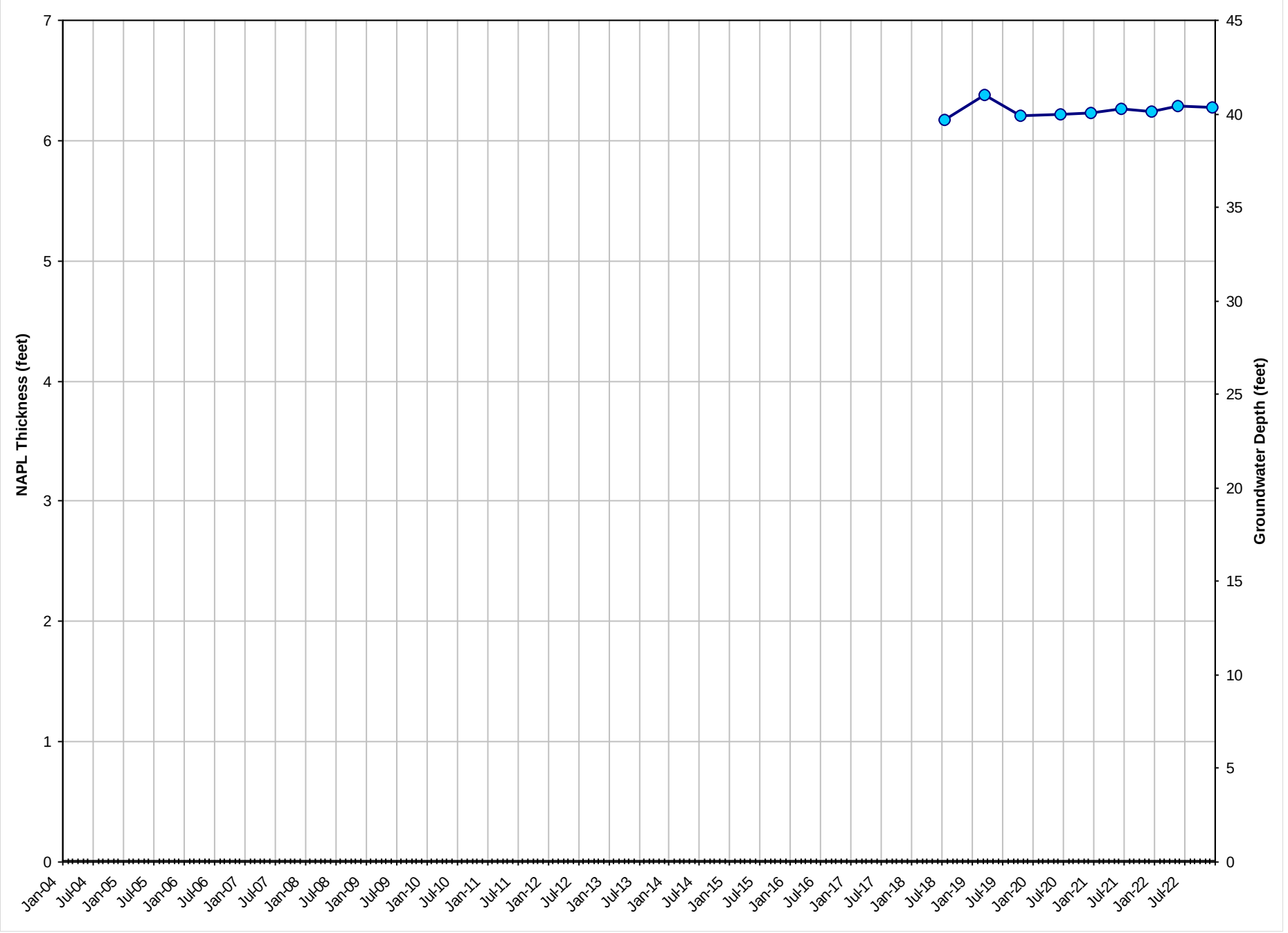
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



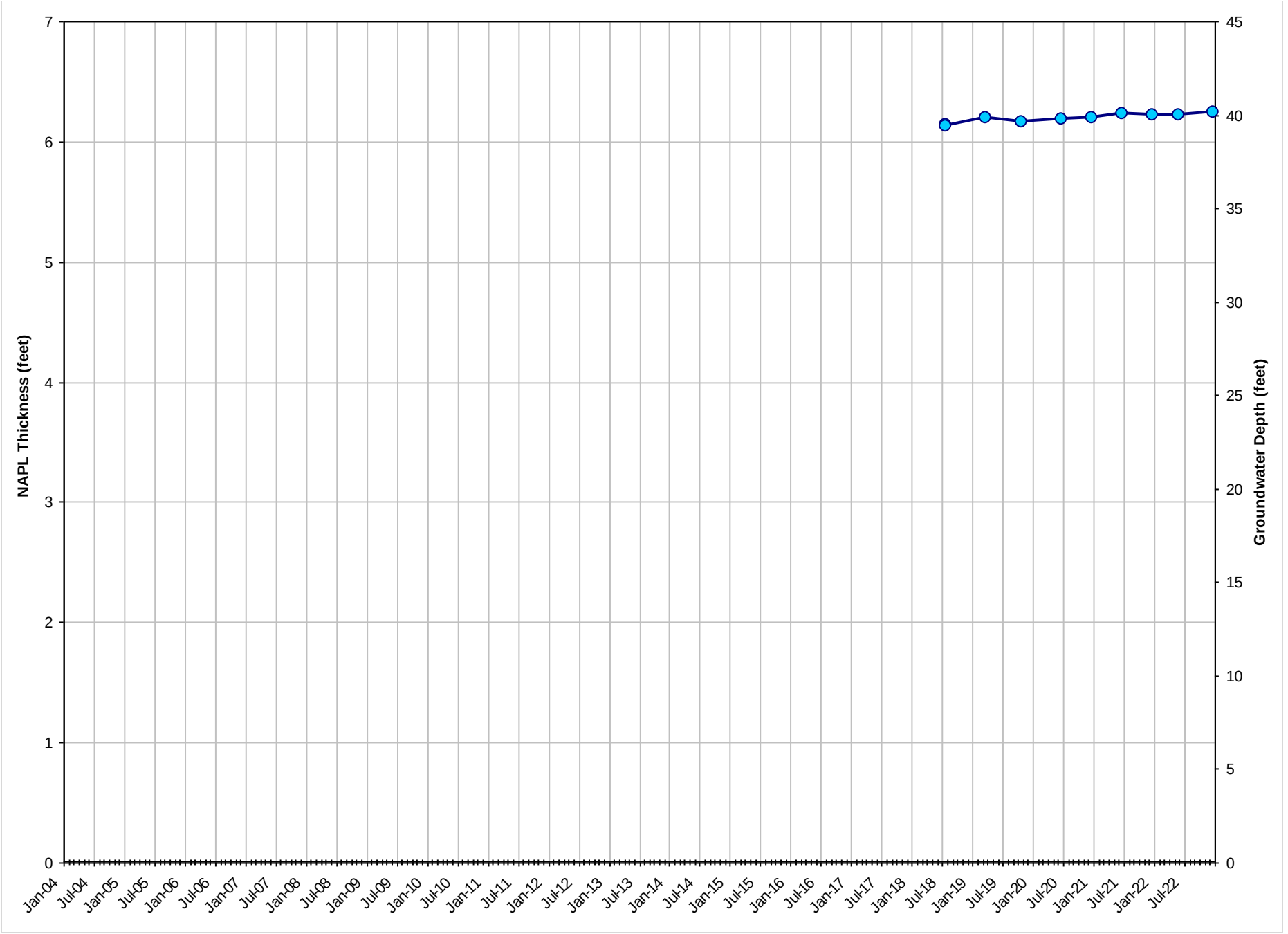
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



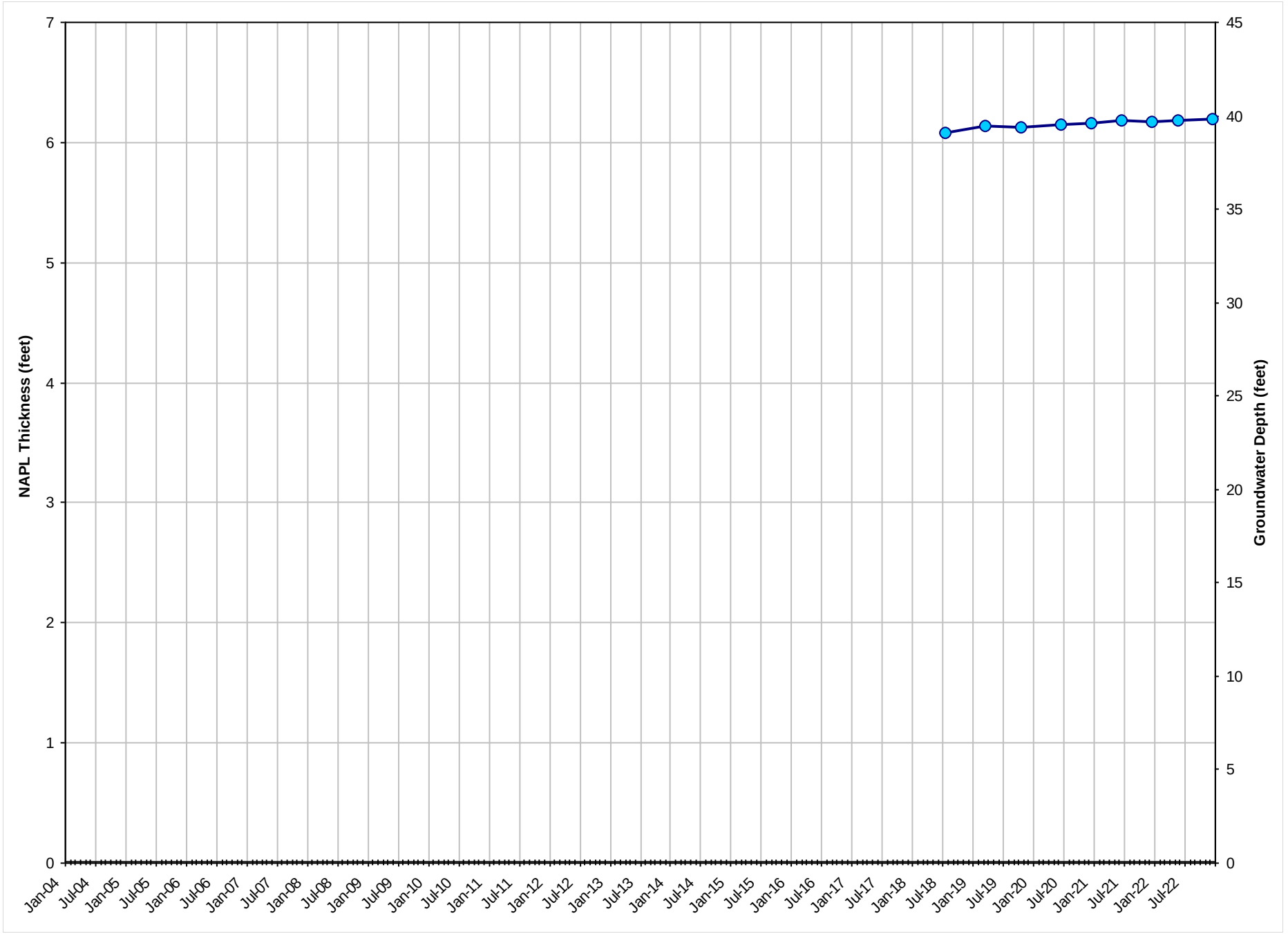
GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



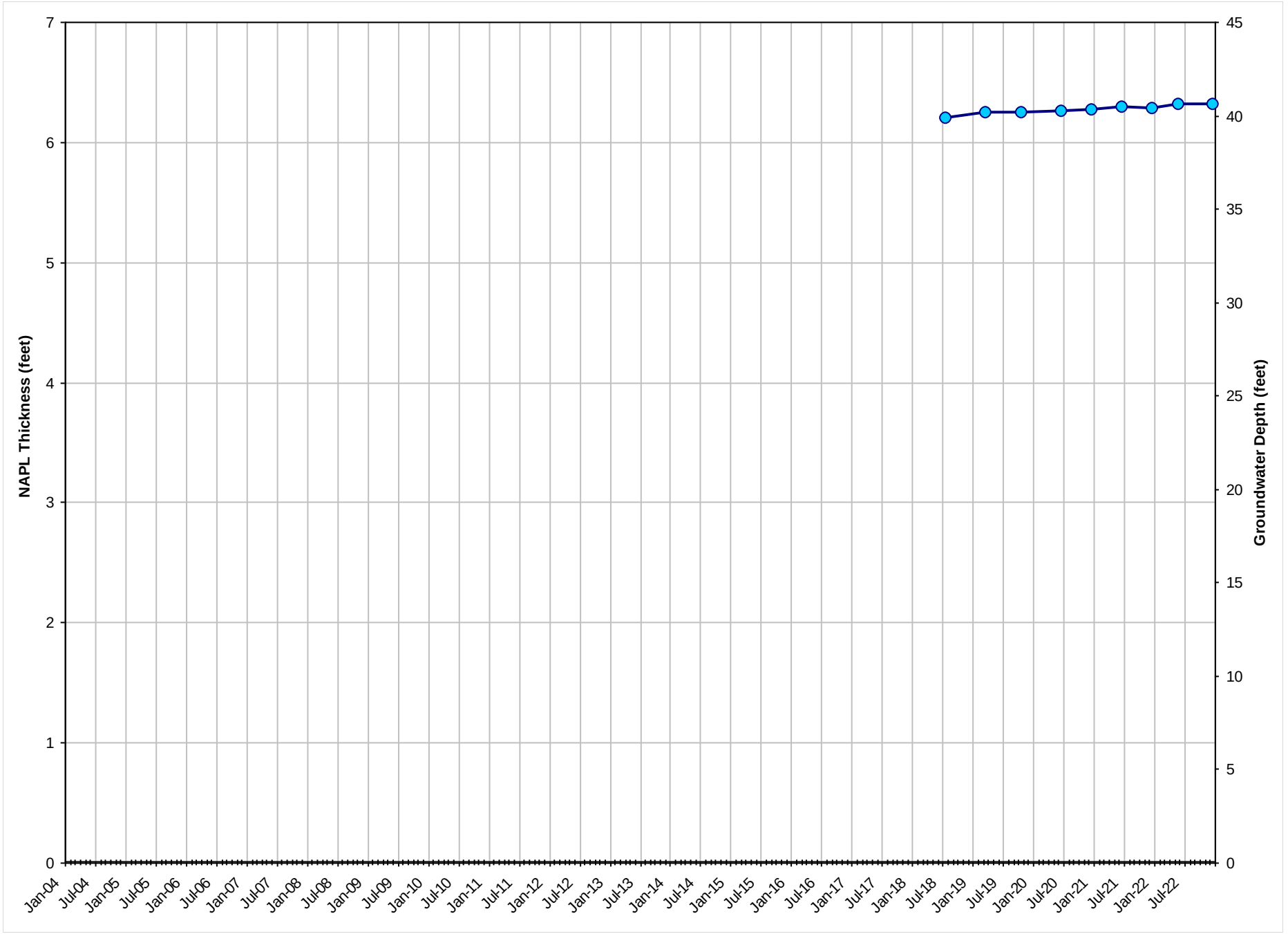
GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



GRAPH 30
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-30
Gladiola Station
Lea County, New Mexico



GRAPH 31
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-31
Gladiola Station
Lea County, New Mexico



GRAPH 32
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-32
Gladiola Station
Lea County, New Mexico

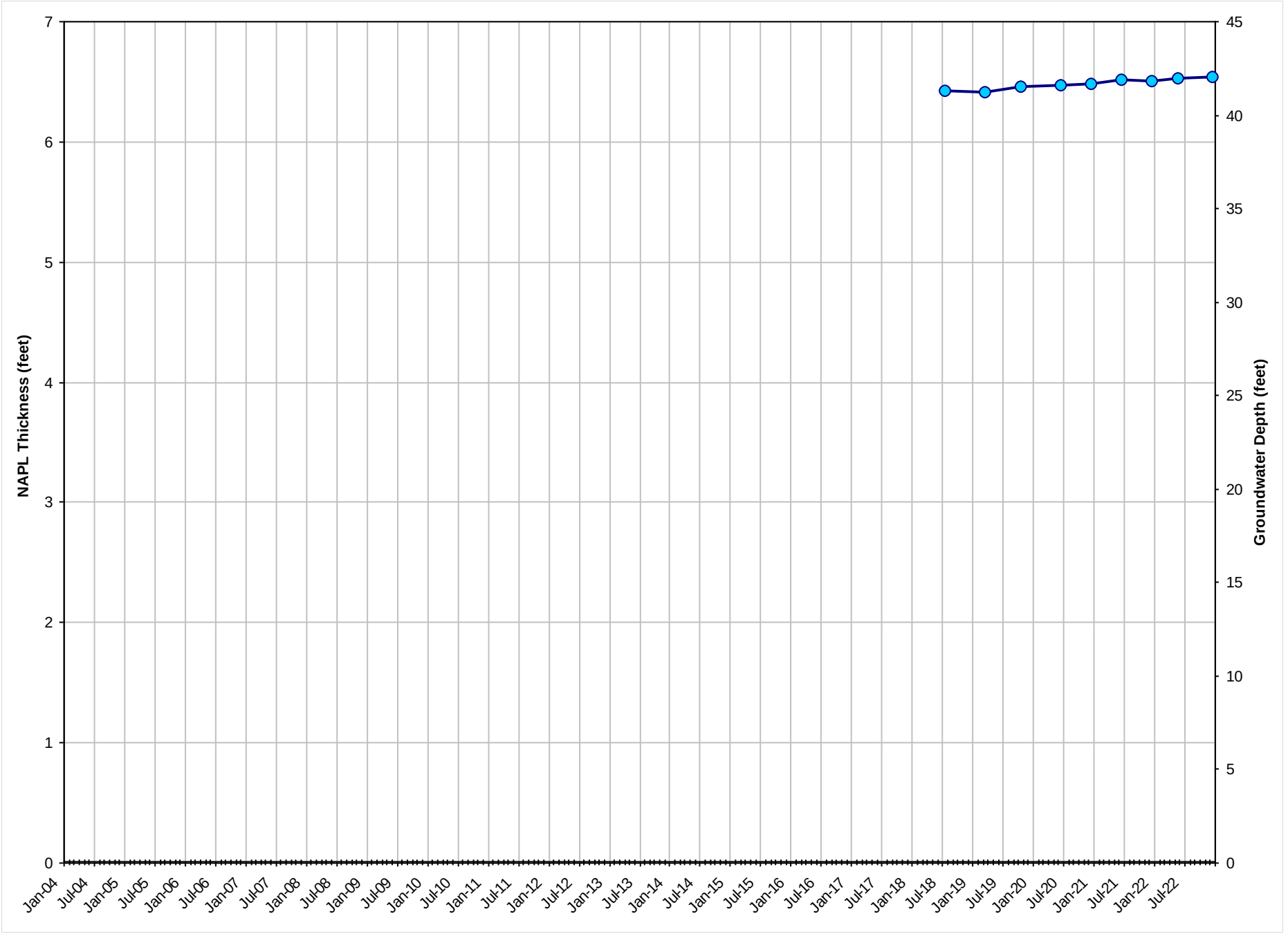


TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**						
12/28/22	3866.77	38.12	3,828.74	0.11				
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
12/28/22	3869.40	41.48	3,828.06	0.17				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
12/28/22	3865.34	36.76	3,828.58	No				
12/30/22	3865.34			No	**0.45**	<0.0050	0.43	<0.010
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
12/28/22	3866.32	37.97	3,828.47	0.14				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
12/28/22	3868.65	40.11	3,828.86	0.39				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
12/28/22	3868.66	39.86	3,828.80	No				
12/29/22	3868.66			Sheen	<0.0010	<0.0010	<0.0010	<0.0020
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
12/28/22	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
12/28/22	3869.90	41.68	3,828.27	0.02				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
12/28/22	3870.47	42.90(f)	(f)	No				
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
12/28/22	3869.68	41.33	3,828.35	No				
12/30/22	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
12/28/22	3869.40	41.04	3,828.47	0.13				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
12/28/22	3868.76	40.22	3,828.93	0.47				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
12/28/22	3868.62	39.75	3,829.02	0.18				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
12/28/22	3868.86	40.08	3,828.87	0.11				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
12/28/22	3868.68	39.71	3,829.08	0.13				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
12/28/22	3869.27	40.78	3,828.49	No				
12/29/22	3869.27			No	**0.078**	<0.010	0.71	0.018 J
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
12/28/22	3868.94	41.37	3,828.76	1.43				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
12/28/22	3868.90	40.68	3,829.07	1.02				

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
12/28/22	3869.15	40.50	3,828.78	0.16				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
12/28/22	3869.07	40.21	3,828.92	0.07				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
12/28/22	3869.86	41.62	3,828.24	No				
12/30/22	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
12/28/22	3869.22	40.12	3,829.13	0.04				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
12/28/22	3868.04	40.21	3,829.02	1.43				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
12/28/22	3869.14	40.76	3,828.64	0.31				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
12/28/22	3869.15	42.13	3,828.51	1.80				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3869.12	40.38	3,828.74	No				
12/29/22	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3869.32	40.36	3,828.96	No				
12/29/22	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3869.36	40.16	3,829.20	No				
12/29/22	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3869.10	39.85	3,829.25	No				
12/29/22	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3869.05	40.64	3,828.41	No				
12/30/22	3869.05			No	0.00022 J	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
12/28/22	3870.35	42.01	3,828.34	No				
12/29/22	3870.35			No	0.00079	<0.00050	0.00032 J	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calcula
data not used to compile groundwater elevation map.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0017	<0.00020	0.0021	0.00012 J	0.037	0.026	0.033	**0.096**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**																		
12/29/22	0.0025	<0.00020	<0.00020	0.00015 J	<0.00020	0.00015 J	<0.00020	<0.00020	0.0014	<0.00020	<0.00020	0.0029	<0.00020	0.0041	0.00043	<0.00020	0.0029	0.00043	0.00333
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
12/29/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.0015 J	<0.0019	0.0011 J	<0.0019	0.086	0.045	0.053	**0.184**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**																		
12/30/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**																		
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00055	<0.00019	0.00012 J	<0.00019	0.0015	0.0013	0.00091	0.00371

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
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A-01 = Could not obtain constant weight.
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(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
12/30/22	0.0444 J	**9.51**	<0.0200	0.0356 J	0.0206 J	<0.000200	<0.100	<0.0200	<2.00		1460	**1420**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
12/29/22	**0.230**	**1.46**	<0.0200	0.0424 J	0.0284 J	**0.00203**	<0.100	<0.0200	<2.00		538	579
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/30/22	<0.100	0.0372 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	155		393	952
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
12/29/22	0.0262 J	**12.0**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	4.43		1020	**1080**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
12/30/22	<0.100	0.0226 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	31.6		269	687
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
12/29/22	<0.100	0.0518 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**289**		169	**1140**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
12/29/22	<0.100	0.0496 B	<0.0100	0.00370 J	<0.0500	<0.000200	<0.0500	<0.0100	189		154	**1250**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
12/29/22	<0.100	0.0431 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	164		178	734
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
12/29/22	<0.100	0.0564 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	182		166	725
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
12/30/22	<0.100	**1.12 B**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	44.9		480	677
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
12/29/22	0.0212 J	0.237 B	<0.0100	0.00780 J	<0.0500	<0.000200	<0.0500	<0.0100	27.9		511	641

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

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X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**						
05/17/04	3863.81	32.74	3831.07	No				
11/30/04	3863.81	30.83	3835.00	2.43				
05/05/05	3863.81	29.20	3835.25	0.77				
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**
04/15/08	3863.81	29.45	3834.68	0.39				
09/21/08	3863.81			No				
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**
02/15/09	3863.81	30.50	3833.60	0.35				
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**
10/12/11	3865.14	34.60	3831.00	0.55				
02/22/12	3865.14	34.85	3830.66	0.45				
07/17/12	3866.63	35.26	3831.77	0.48				
10/03/12	3866.63	35.42	3831.58	0.45				
05/14/13	3866.63	35.83	3831.12	0.39				
01/27/14	3866.63	36.83	3830.57	0.93				
06/17/14	3866.63	36.92	3830.19	0.58				
11/18/14	3866.63	36.94	3830.19	0.60				
12/07/15	3866.63	36.87	3830.11	0.42				
04/26/16	3866.63	37.20	3829.73	0.36				
10/24/16	3866.63	36.64	3830.17	0.22				
05/22/17	3866.63	37.41	3829.56	0.41				
11/28/17	3866.63	37.18	3829.67	0.27				
07/17/18	3866.77	37.52	3829.57	0.38				
03/04/19	3866.77	37.82	3,829.32	0.44				
10/01/19	3866.77	37.82	3,829.25	0.36				
06/23/20	3866.77	37.89	3,829.19	0.37				
12/14/20	3866.77	38.20	3,828.60	0.04				
06/29/21	3866.77	37.92	3,828.97	0.14				
12/20/21	3866.77	37.86	3,829.01	0.12				
05/24/22	3866.77	37.89	3,828.89	0.01				
12/28/22	3866.77	38.12	3,828.74	0.11				
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
05/17/04	3867.89	37.04	3830.85	No				
11/30/04	3867.89	35.61	3833.88	1.93				
05/05/05	3867.89	33.36	3834.90	0.45				
07/25/06	3867.89	33.14	3834.95	0.24	0.00492	0.0142	0.142	0.166
02/08/07	3867.89	33.07	3834.92	0.12	**0.0550**	0.0111	0.0726	0.105
04/15/08	3867.89	38.81	3834.43	6.44				
09/22/08	3867.89			No				
09/26/08	3867.89	38.97	3833.94	6.05	**2.57**	**2.66**	0.504	**1.210**
02/15/09	3867.89	38.95	3833.45	5.43				
05/19/09	3867.89	38.63	3833.09	4.62	Not sampled - NAPL entered bailer during each attempt.			
08/19/09	3867.89	39.00	3832.92	4.85	**2.70**	**2.44**	0.495	**1.110**
10/30/09	3867.89	38.98	3832.87	4.77	**3.25**	<0.00100	0.381	**0.675**
10/12/11	3867.89	39.46	3830.82	2.88				
02/22/12	3867.89	39.73	3830.48	2.80				
07/17/12	3869.40	40.19	3831.64	2.93				
10/03/12	3869.40	40.29	3831.45	2.82				
05/14/13	3869.40	40.72	3830.96	2.75				
01/27/14	3869.40	40.11	3830.39	1.33				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
06/17/14 - 10/01/19	3869.40				Inaccessible - Stick-up well casing damaged.			
06/23/20	3869.40	Dry		No	Well filled with silt up to the groundwater level.			
12/14/20	3869.40	Dry		No				
06/29/21	3869.40	Dry		No				
12/20/21	3869.40	41.18	3,828.28	0.07				
05/24/22	3869.40	41.38	3,828.16	0.17				
12/28/22	3869.40	41.48	3,828.06	0.17				
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				
05/05/05	3863.72	28.90	3835.02	0.24				
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360
04/15/08	3863.72	29.42	3834.48	0.22				
09/22/08	3863.72			No				
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310
02/15/09	3863.72	29.90	3833.94	0.15				
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320
10/12/11	3863.72	33.10	3830.94	0.38				
02/22/12	3863.72	33.30	3830.58	0.19				
07/17/12	3865.25	33.80	3831.71	0.31				
10/03/12	3865.25	33.94	3831.51	0.24				
05/14/13	3865.25	34.31	3831.04	0.12				
01/27/14	3865.25	35.04	3830.47	0.31				
06/17/14	3865.25	35.33	3830.13	0.25				
11/18/14	3865.25	35.34	3830.02	0.13				
12/07/15	3865.25	35.39	3829.93	0.09				
04/26/16	3865.25	35.69	3829.71	0.18				
10/24/16	3865.25	35.42	3829.93	0.12				
05/22/17	3865.25	35.80	3829.52	0.09				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3,829.21	Sheen				
10/01/19	3865.34	36.11	3,829.23	Sheen				
06/23/20	3865.34	36.16	3829.18	No	Insufficient water to sample.			
12/14/20	3865.34	36.38	3,828.96	No				
12/16/20	3865.34			No	**0.550**	<0.0040	0.430	<0.0080
06/29/21	3865.34	36.48	3,828.86	No				
07/01/21	3865.34			No	**0.540**	<0.0050	0.460	<0.010
12/20/21	3865.34	36.42	3,828.92	No				
12/22/21	3865.34			No	**0.660**	<0.0050	0.540	<0.010
05/26/22	3865.34	36.81	3,828.53	No	**0.510**	<0.0050	0.480	<0.010
12/28/22	3865.34	36.76	3,828.58	No				
12/30/22	3865.34			No	**0.45**	<0.0050	0.43	<0.010
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**
09/21/08	3864.66			No				
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**

TABLE 4

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Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
10/01/19	3866.32	37.61	3,829.21	0.60				
06/23/20	3866.32	37.62	3,829.18	0.58				
12/14/20	3866.32	37.80	3,828.96	0.53				
06/29/21	3866.32	37.65	3,828.94	0.33				
12/20/21	3866.32	37.59	3,828.96	0.28				
05/24/22	3866.32	37.65	3,828.84	0.21				
12/28/22	3866.32	37.97	3,828.47	0.14				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
07/20/06	3866.99	31.82	3835.17	No	**6.93**	0.374	0.567	**1.14**
02/07/07	3866.99	31.93	3835.06	No	**6.91**	0.297	**0.905**	**1.74**
04/15/08	3866.99	32.45	3834.54	No	**5.44**	0.0686	**0.763**	**1.33**
09/21/08	3866.99			No				
09/26/08	3866.99	33.07	3833.92	No	**6.17**	0.0979	0.736	**1.220**
02/06/09	3866.99	33.54	3833.45	No	**5.61**	0.0514	**0.849**	**1.410**
02/06/09 D	3866.99	33.54	3833.45	No	**5.26**	0.0438	**0.835**	**1.320**
05/19/09	3866.99	33.83	3833.16	No	**5.08**	0.0436	0.681	**1.180**
08/19/09	3866.99	34.15	3832.84	No	**4.68**	0.0567	0.726	**0.932**
08/19/09 D	3866.99	34.15	3832.84	No	**4.79**	0.0732	0.709	**1.100**
10/30/09	3866.99	34.35	3832.64	No	**5.01**	0.0933	0.713	**1.25**
10/12/11	3866.99	36.02	3830.97	No	**3.5**	0.00678	0.521	0.431
10/12/11 D	3866.99	36.02	3830.97	No	**3.47**	0.00666	0.52	0.407
02/22/12	3866.99	36.85	3830.14	No	**3.75**	0.00125	0.54	**0.626**
02/22/12 D	3866.99	36.85	3830.14	No	**3.65**	<0.00100	0.516	0.593
07/17/12	3868.54	36.70	3831.84	No	**2.68**	<0.00100	0.419	0.262
07/17/12 D	3868.54	36.70	3831.84	No	**2.62**	<0.00100	0.39	0.251
10/03/12	3868.54	37.54	3831.00	No	**2.91**	<0.00100	0.49	**0.667**
10/03/12 D	3868.54	37.54	3831.00	No	**2.97**	<0.00100	0.501	**0.683**
05/15/13	3868.54	37.47	3831.05	0.10				
01/28/14	3868.54	38.90	3830.47	1.00				
06/18/14	3868.54	39.13	3830.17	0.91				
11/18/14	3868.54	40.01	3829.95	1.71				
12/07/15	3868.54	41.09	3829.92	2.98				
04/26/16	3868.54	39.48	3829.76	0.84				
10/24/16	3868.54	39.59	3829.80	1.02				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
05/22/17	3868.54	39.80	3829.66	1.11				
11/28/17	3868.54	40.06	3829.52	1.25				
07/17/18	3868.65	40.03	3829.62	1.21				
03/04/19	3868.65	40.33	3,829.38	1.28				
10/01/19	3868.65	39.14	3,830.32	0.97				
06/23/20	3868.65	40.20	3,829.28	1.00				
12/14/20	3868.65	39.97	3,829.11	0.52				
06/29/21	3868.65	40.00	3,828.99	0.41				
12/20/21	3868.65	39.99	3,829.08	0.50				
05/24/22	3868.65	39.98	3,828.98	0.37				
12/28/22	3868.65	40.11	3,828.86	0.39				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
07/21/06	3867.00	31.84	3835.16	No	**0.034**	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300
09/21/08	3867.00			No				
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	No				
10/13/11	3867.00	36.14	3830.86	No				
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	No				
11/29/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	No				
07/20/18	3868.66			No	<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3,829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3868.66	39.32	3,829.34	No	Insufficient water to sample.			
06/23/20	3868.66	39.35	3829.31	No	Insufficient water to sample.			
12/14/20	3868.66	39.49	3829.17	No	Insufficient water to sample.			
06/29/21	3868.66	39.65	3,829.01	No				
07/01/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3868.66	39.53	3,829.13	No				
12/22/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
05/26/22	3868.66	39.78	3,828.88	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3868.66	39.86	3,828.80	No				
12/29/22	3868.66			Sheen	<0.0010	<0.0010	<0.0010	<0.0020

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167
09/20/08	3864.14			No				
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry		No				
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry		No				
03/04/19	3865.76	Dry		No				
10/01/19	3865.76	Dry		No				
06/23/20	3865.76	Dry		No				
12/14/20	3865.76	Dry		No				
06/29/21	3865.76	Dry		No				
12/20/21	3865.76	Dry		No				
05/24/22	3865.76	Dry		No				
12/28/22	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80			No				
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
07/17/12	3865.32	33.80	3831.68	0.19				
10/03/12	3865.32	33.96	3831.58	0.26				
05/14/13 - Present	3865.32				Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29			No				
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
02/05/09	3868.29	35.16	3833.13	No	0.00585	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	No	0.00529	<0.00100	0.00654	0.0132
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**
05/14/13	3869.82	38.99	3830.88	0.06				
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				
11/17/14	3869.82	40.35	3829.64	0.20				
12/07/15	3869.82	40.51	3829.51	0.24				
04/26/16	3869.82	40.68	3829.37	0.28				
10/24/16	3869.82	40.71	3829.33	0.27				
05/22/17	3869.82	40.85	3829.26	0.35				
11/28/17	3869.82	40.80	3829.21	0.23				
07/17/18	3869.90	40.90	3829.27	0.33				
03/04/19	3869.90	41.23	3,829.04	0.44				
10/01/19	3869.90	41.25	3,828.97	0.38				
06/23/20	3869.90	41.20	3,828.95	0.30				
12/14/20	3869.90	41.42	3,828.71	0.28				
06/29/21	3869.90	41.51	3,828.49	0.12				
12/20/21	3869.90	41.27	3,828.70	0.08				
05/24/22	3869.90	41.30	3,828.62	0.02				
05/25/22	3869.90	41.29	3,828.62	0.01				
12/28/22	3869.90	41.68	3,828.27	0.02				
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	No	0.00599	<0.00100	<0.00100	<0.00300
09/21/08	3868.85			No				
09/26/08	3868.85	35.34	3833.51	No	0.00635	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	No				
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
11/28/17	3870.38	41.29	3829.09	No				
11/29/17	3870.38			No	0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3,828.89	No	Insufficient water to sample.			
06/23/20	3870.47	41.62	3828.85	No	Insufficient water to sample.			
12/14/20	3870.47	41.72	3828.75	No	Insufficient water to sample.			
06/29/21	3870.47	41.90	3,828.57	No				
07/01/21	3870.47			No	0.00094 J	<0.0010	<0.0010	0.0041
12/20/21	3870.47	41.88	3,828.59	No				
12/22/21	3870.47			No	<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3870.47	41.42	3,829.05		Insufficient water to sample.			
12/28/22	3870.47	42.90(f)	(f)	No				
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3,828.82	No				
10/03/19	3869.68			No	<0.00050	<0.00050	0.00033 J	<0.0010
06/23/20	3869.68	40.93	3,828.75	No				
06/25/20	3869.68			No	0.00011 J	<0.00050	0.000099 J	<0.0010
12/14/20	3869.68	41.01	3,828.67	No				
12/16/20	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.68	41.19	3,828.49	No				
07/01/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.68	41.14	3,828.54	No				
12/21/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.68	41.28	3,828.40	No	<0.00050	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
12/28/22	3869.68	41.33	3,828.35	No				
12/30/22	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74			No				
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3,828.98	0.47				
10/01/19	3869.40	40.78	3,828.94	0.39				
06/23/20	3869.40	40.76	3,828.92	0.34				
12/14/20	3869.40	40.79	3,828.73	0.15				
06/29/21	3869.40	40.93	3,828.63	0.19				
12/20/21	3869.40	40.97	3,828.52	0.11				
05/25/22	3869.40	40.93	3,828.55	0.10				
12/28/22	3869.40	41.04	3,828.47	0.13				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499
09/21/08	3867.11			No				
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**
10/13/11	3867.11	36.90	3831.00	0.95				
02/22/12	3867.11	37.78	3829.89	0.68				
07/17/12	3868.63	38.85	3831.86	2.50				
10/03/12	3868.63	39.02	3831.67	2.48				
05/14/13	3868.63	38.89	3831.30	1.88				
01/28/14	3868.63	39.91	3830.47	2.11				
06/17/14	3868.63	39.91	3830.19	1.77				
11/18/14	3868.63	41.56	3829.97	3.49				
12/07/15	3868.63	41.31	3829.94	3.16				
04/26/16	3868.63	40.12	3829.79	1.54				
10/24/16	3868.63	39.55	3829.87	0.95				
05/22/17	3868.63	39.91	3828.78	0.07				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**							
11/28/17	3868.63	39.85	3829.62	1.01				
07/17/18	3868.76	39.86	3829.70	0.96				
03/04/19	3868.76	40.17	3,829.44	1.02				
10/01/19	3868.76	40.24	3,829.37	1.03				
06/23/20	3868.76	40.35	3,829.31	1.09				
12/14/20	3868.76	39.91	3,829.15	0.36				
06/29/21	3868.76	40.10	3,829.07	0.49				
12/20/21	3868.76	39.87	3,829.15	0.31				
05/26/22	3868.76	39.97	3,828.98	0.23				
12/28/22	3868.76	40.22	3,828.93	0.47				
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341
09/21/08	3866.92			No				
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179
05/14/13	3868.47	38.39	3831.27	1.43				
01/28/14	3868.47	38.81	3830.55	1.07				
06/17/14	3868.47	38.76	3830.27	0.67				
11/18/14	3868.47	40.75	3830.04	2.79				
12/07/15	3868.47	41.49	3830.03	3.68				
04/26/16	3868.47	40.85	3829.87	2.71				
10/24/16	3868.47	40.86	3830.05	2.94				
05/22/17	3868.47	41.61	3829.72	3.44				
11/28/17	3868.47	40.00	3829.62	1.39				
07/17/18	3868.62	39.25	3829.79	0.50				
03/04/19	3868.62	39.79	3,829.54	0.85				
10/01/19	3868.62	39.85	3,830.52	2.11				
06/23/20	3868.62	40.10	3,829.42	1.09				
12/14/20	3868.62	39.58	3,829.24	0.24				
06/29/21	3868.62	39.47	3,829.17	0.03				
12/20/21	3868.62	39.56	3,829.22	0.19				
05/24/22	3868.62	39.64	3,829.12	0.17				
12/28/22	3868.62	39.75	3,829.02	0.18				
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554
09/21/08	3867.19			No				
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**
02/15/09	3867.19	33.82	3833.44	0.09				
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	**0.892**	**0.799**	**2.25**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**
10/13/11	3867.19	38.04	3831.01	2.24				
02/22/12	3867.19	38.41	3830.71	2.32				
07/17/12	3868.74	38.20	3832.03	1.80				
10/03/12	3868.74	39.95	3831.57	3.35				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
05/14/13	3868.74	40.11	3831.12	3.00				
01/28/14	3868.74	40.21	3830.47	2.34				
06/17/14	3868.74	39.35	3830.19	0.96				
11/18/14	3868.74	39.76	3830.13	1.39				
12/07/15	3868.74	40.31	3830.25	2.19				
04/26/16	3868.74	39.61	3829.89	0.91				
10/24/16	3868.74	38.70	3830.41	0.44				
05/22/17	3868.74	38.92	3829.84	0.02				
11/28/17	3868.74	38.96	3830.03	0.30				
07/17/18	3868.86	39.33	3829.79	0.31				
03/04/19	3868.86	39.63	3,829.51	0.34				
10/01/19	3868.86	39.71	3,829.42	0.33				
06/23/20	3868.86	39.80	3,829.35	0.35				
12/14/20	3868.86	39.93	3,829.06	0.16				
06/29/21	3868.86	39.75	3,829.23	0.14				
12/20/21	3868.86	39.78	3,829.21	0.16				
05/24/22	3868.86	39.94	3,829.00	0.10				
12/28/22	3868.86	40.08	3,828.87	0.11				
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02			No				
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	No	0.00670	<0.00100	0.0488	0.0526
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	No	0.00576	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700
05/14/13	3868.54	38.05	3831.20	0.86				
01/27/14	3868.54	39.11	3830.67	1.49				
06/17/14	3868.54	39.10	3830.32	1.06				
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				
07/17/18	3868.68	39.34	3829.87	0.64				
03/04/19	3868.68	39.71	3,829.63	0.79				
10/01/19	3868.68	39.71	3,829.48	0.62				
06/23/20	3868.68	39.63	3,829.52	0.57				
12/14/20	3868.68	39.63	3,829.26	0.25				
06/29/21	3868.68	39.65	3,829.20	0.20				
12/20/21	3868.68	39.79	3,829.01	0.15				
05/26/22	3868.68	39.56	3,829.18	0.07				
12/28/22	3868.68	39.71	3,829.08	0.13				
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	0.727	**1.16**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**
05/14/13	3869.14	38.52	3830.62	Sheen				
01/28/14	3869.14	39.14	3830.00	Sheen				
06/17/14	3869.14	39.43	3829.71	Sheen				
11/07/14	3869.14	39.64	3829.50	Sheen				
12/09/15	3869.14	39.72	3829.42	Sheen				
04/26/16	3869.14	38.36	3830.78	Sheen				
10/24/16	3869.14	39.93	3829.21	(d)				
05/22/17	3869.14	40.00	3829.16	0.02				
11/28/17	3869.14	40.09	3829.05	No				
11/29/17	3869.14			No	**0.17**	<0.012	**0.77**	0.27
07/17/18	3869.27	40.08	3829.19	No				
07/18/18	3869.27			No	**0.15**	<0.010	0.72	0.20
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3,829.07	No	**0.12**	<0.010	0.59	0.052 J,B
10/01/19	3869.27	40.34	3,828.93	No				
10/03/19	3869.27			No	**0.12**	<0.010	0.73	0.20
06/23/20	3869.27	40.41	3,828.86	No				
06/25/20	3869.27			No	**0.140**	<0.010	**0.910**	0.130
12/14/20	3869.27	40.48	3,828.79	No				
12/16/20	3869.27			No	**0.100**	<0.0020	0.580	0.150
06/29/21	3869.27	40.67	3,828.60	No				
06/30/21	3869.27			No	**0.110**	<0.010	**0.880**	0.540
12/20/21	3869.27	40.61	3,828.66	No				
12/21/21	3869.27			No	**0.093**	<0.010	**0.910**	0.270
05/25/22	3869.27	40.80	3,828.47	No	**0.084**	<0.010	**0.770**	0.037
12/28/22	3869.27	40.78	3,828.49	No				
12/29/22	3869.27			No	**0.078**	<0.010	0.71	0.018 J
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				
03/04/19	3868.94	39.75	3,829.44	0.30				
10/01/19	3868.94	39.88	3,829.39	0.40				
06/23/20	3868.94	40.02	3,829.36	0.53				
12/14/20	3868.94	40.21	3,829.15	0.50				
06/29/21	3868.94	40.92	3,829.05	1.24				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
12/20/21	3868.94	40.89	3,829.13	1.30				
05/26/22	3868.94	40.95	3,828.99	1.20				
12/28/22	3868.94	41.37	3,828.76	1.43				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
05/24/17	3868.75			No	0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75			No	0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90			No	0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3,829.55	No				
10/02/19	3868.90			No	0.00019 J	<0.00050	<0.00050	<0.0010
06/23/20	3868.90	39.47	3,829.43	No				
06/24/20	3868.90			No	0.00017 J	<0.00050	0.00038 J	0.0010
12/14/20	3868.90	39.55	3,829.35	No				
12/15/20	3868.90			No	0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3,829.19	0.11				
12/20/21	3868.90	39.54	3,829.79	0.52				
05/26/22	3868.90	40.65	3,829.14	1.07				
12/28/22	3868.90	40.68	3,829.07	1.02				
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
03/04/19	3869.15	39.99	3,829.58	0.50				
10/01/19	3869.15	40.98	3,829.37	1.45				
06/23/20	3869.15	41.23	3,829.30	1.66				
12/14/20	3869.15	41.34	3,829.15	1.62				
06/29/21	3869.15	41.10	3,829.01	1.16				
12/20/21	3869.15	40.36	3,829.12	0.40				
05/26/22	3869.15	40.39	3,828.97	0.25				
12/28/22	3869.15	40.50	3,828.78	0.16				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300
05/22/17	3868.89	39.26	3829.73	0.12				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3,829.62	0.95				
10/01/19	3869.07	40.13	3,829.55	0.74				
06/23/20	3869.07	40.20	3,829.49	0.75				
12/14/20	3869.07	39.89	3,829.33	0.18				
06/29/21	3869.07	40.01	3,829.19	0.16				
12/20/21	3869.07	39.89	3,829.30	0.15				
05/26/22	3869.07	40.04	3,829.13	0.12				
12/28/22	3869.07	40.21	3,828.92	0.07				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**							
11/29/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3,828.68	No				
10/03/19	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.86	41.24	3,828.62	No				
06/25/20	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.86	41.32	3,828.54	No				
12/16/20	3869.86			No	<0.00050	<0.00050	0.00099	<0.0010
06/29/21	3869.86	41.51	3,828.35	No				
07/01/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.86	41.44	3,828.42	No				
12/21/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.86	41.58	3,828.28	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.86	41.62	3,828.24	No				
12/30/22	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**							
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3,829.58	0.10				
10/01/19	3869.22	39.74	3,829.52	0.05				
06/23/20	3869.22	39.81	3,829.47	0.07				
12/14/20	3869.22	39.96	3,829.30	0.05				
06/29/21	3869.22	40.07	3,829.17	0.03				
12/20/21	3869.22	40.01	3,829.28	0.08				
05/26/22	3869.22	40.13	3,829.11	0.03				
12/28/22	3869.22	40.12	3,829.13	0.04				
Field Point MW-24	**Well Screen Interval (feet): 28.00-43.00**							
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
11/28/17	3867.88	40.54	3830.11	3.34				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3,829.39	1.80				
10/01/19	3868.04	39.98	3,828.91	1.02				
06/23/20	3868.04	40.95	3,829.21	2.55				
12/14/20	3868.04	40.04	3,829.05	1.27				
06/29/21	3868.04	38.44	3,830.51	1.10				
12/20/21	3868.04	39.38	3,829.37	0.86				
05/26/22	3868.04	39.72	3,828.95	0.76				
12/28/22	3868.04	40.21	3,829.02	1.43				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3867.61	37.00	3830.61	No	**8.7**	**1.12**	**0.911**	**2.7**
07/17/12	3868.99	37.84	3831.58	0.52				
10/03/12	3868.99	38.92	3830.91	1.01				
05/14/13	3868.99	40.02	3830.99	2.43				
01/28/14	3868.99	41.72	3830.26	3.60				
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3,829.27	1.35				
10/01/19	3869.14	41.49	3,829.19	1.85				
06/23/20	3869.14	41.89	3,829.17	2.31				
12/14/20	3869.14	40.69	3,829.01	0.67				
06/29/21	3869.14	40.78	3,828.92	0.67				
12/20/21	3869.14	40.56	3,828.97	0.47				
05/26/22	3869.14	40.62	3,828.82	0.36				
12/28/22	3869.14	40.76	3,828.64	0.31				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98			No	**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98			No	0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15			No	**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3,829.01	0.55				
10/01/19	3869.15	41.41	3,829.01	1.53				
06/23/20	3869.15	41.60	3,828.94	1.67				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**							
12/14/20	3869.15	41.82	3,828.77	1.74				
06/29/21	3869.15	42.01	3,828.63	1.80				
12/20/21	3869.15	41.81	3,828.73	1.67				
05/25/22	3869.15	42.10	3,828.58	1.84				
12/28/22	3869.15	42.13	3,828.51	1.80				
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.12	39.63	3829.49	No				
07/19/18	3869.12	39.60	3829.52	No	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3,829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050
10/01/19	3869.12	39.88	3,829.24	No				
10/02/19	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.12	39.98	3,829.14	No				
06/24/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.12	40.05	3,829.07	No				
12/15/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.12	40.25	3,828.87	No				
06/30/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.12	40.16	3,828.96	No				
12/21/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.12	40.33	3,828.79	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.12	40.38	3,828.74	No				
12/29/22	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.32	39.65	3829.67	No				
07/19/18	3869.32			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3,829.43	No				
10/02/19	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.32	39.99	3,829.33	No				
06/24/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.32	40.06	3,829.26	No				
12/15/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.32	40.26	3,829.06	No				
06/30/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.32	40.11	3,829.21	No				
12/21/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.32	40.40	3,828.92	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.32	40.36	3,828.96	No				
12/29/22	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3,829.53	No				
06/24/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.36	39.88	3,829.48	No				
12/15/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3,829.28	No				
06/30/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.36	40.01	3,829.35	No				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
12/21/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.36	40.07	3,829.29	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.36	40.16	3,829.20	No				
12/29/22	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.10	39.10	3830.00	No				
07/19/18	3869.10			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3,829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.10	39.39	3,829.71	No				
10/02/19	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.10	39.52	3,829.58	No				
06/24/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.10	39.57	3,829.53	No				
12/15/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.10	39.77	3,829.33	No				
06/30/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.10	39.68	3,829.42	No				
12/21/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.10	39.75	3,829.35	No	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.10	39.85	3,829.25	No				
12/29/22	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.05	39.90	3829.15	No				
07/19/18	3869.05			No	<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3,828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
10/01/19	3869.05	40.18	3,828.87	No				
10/03/19	3869.05			No	0.00011 J	<0.00050	0.00013 J	<0.0010
06/23/20	3869.05	40.25	3,828.80	No				
06/25/20	3869.05			No	<0.00050	<0.00050	0.00028 J	<0.0010
12/14/20	3869.05	40.32	3,828.73	No				
12/16/20	3869.05			No	0.00045 J	<0.00050	0.00039 J	<0.0010
06/29/21	3869.05	40.50	3,828.55	No				
07/01/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.05	40.44	3,828.61	No				
12/22/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.05	40.61	3,828.44	No	0.00021 J	<0.00050	<0.00050	<0.0010
12/28/22	3869.05	40.64	3,828.41	No				
12/30/22	3869.05			No	0.00022 J	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35			No	0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
10/01/19	3870.35	41.55	3,828.80	No				
10/03/19	3870.35			No	0.0012	<0.00050	<0.00050	<0.0010
06/23/20	3870.35	41.63	3,828.72	No				
06/24/20	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010
12/14/20	3870.35	41.69	3,828.66	No				
12/16/20	3870.35			No	0.00087	<0.00050	<0.00050	<0.0010
06/29/21	3870.35	41.89	3,828.46	No				
06/30/21	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010
12/20/21	3870.35	41.81	3,828.54	No				
12/21/21	3870.35			No	0.00071	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**							
05/25/22	3870.35	41.99	3,828.36	No	0.00073	<0.00050	<0.00050	<0.0010
12/28/22	3870.35	42.01	3,828.34	No				
12/29/22	3870.35			No	0.00079	<0.00050	0.00032 J	<0.0010
Field Point SB-1GW	**Grab Groundwater Sample**							
10/28/11				No	0.00719	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11				No	**1.88**	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11				No	**1.94**	**2.42**	**0.986**	**2.27**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11				No	**3.91**	0.0703	0.587	**1.15**
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11				No	**2.9**	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11				No	**0.135**	0.00135	0.0263	0.0759

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.
(f) = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculat
not used to compile groundwater elevation map.

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**																		
07/24/06	<0.00101	<0.00101	0.141	0.0165	**0.00260**	0.000971	<0.000202	0.00128	0.0111	<0.000202	0.0788	0.00614	<0.000202	0.00434	0.0246	0.0639 (a)	0.194	0.109	**0.3669**
02/08/07	<0.00105	<0.00526	<0.00526	0.00603	<0.000105	0.00267	<0.000211	0.000886	0.00615	0.0104	0.153	0.0153	<0.000211	0.0489	0.0493	0.139 (a)	0.178	0.300	**0.6170**
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0553	0.0400	0.0522	**0.1475**
05/19/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0461	0.0313	0.0403	**0.1177**
08/19/09	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	0.0369	0.0358 R1	0.0321 R1	0.323	0.0550 R1	1.660 R1	0.0895	0.0210	1.620 R1	1.470 R1	0.627 (c)	3.940 R1	1.940	**6.507 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000992	<0.000200	0.00634 R1	0.00163	<0.000200	0.0132 R1	0.00554 R1	0.0746 (c)	0.118 R1	0.0573	**0.250 R1**
10/12/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**																		
07/25/06	<0.000939	<0.00217	0.228	0.0300	**0.00533**	0.0173	0.000665	0.00101	0.0420	0.00186	0.155	0.00823	<0.000188	0.0603	0.0333	0.0211 (a)	0.163	0.0696	**0.2537**
02/08/07	<0.00109	<0.00543	0.142	0.0128	<0.000109	0.00297	<0.000217	0.00150	0.00802	0.0156	0.0491	0.0174	<0.000217	0.232	0.075	0.0208 (a)	0.258	0.238	**0.5168**
09/26/08	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.117	0.201	0.287	**0.0484**
08/19/09	<0.00513	<0.0256	0.0783 R12	0.157	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	0.311	0.0530 R1	0.673 R1	0.0992	0.0216	1.660 R1	1.410 R1	0.730 (c)	5.070 R1	2.750	**8.550 R1**
10/30/09	<0.00100	<0.00500	<0.00100	0.00507 R1	0.000684 R1	0.00124 R1	0.00133 R1	0.00166 R1	0.0104	0.00390 R1	0.0400 R1	0.00407	<0.000200	0.0382 R1	0.0545 R1	0.0514 (c)	0.0975 R1	0.0781	**0.227 R1**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
07/24/06	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213	0.0357	0.0182	0.0315 (a)	0.161	0.0752	**0.2677**
02/08/07	<0.00111	<0.00556	0.0914	0.00885	**0.00172**	0.00209	<0.000222	0.00121	0.00849	0.0136	0.0437	0.012	<0.000222	0.191	0.0557	0.053 (a)	0.220	0.255	**0.5280**
09/26/08	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0146	0.0154	0.0162	**0.0462**
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0164	0.0199	0.0215	**0.0578**
08/19/09	<0.00103	<0.00513	0.00966 R12	0.0234 R1	**0.00225 R1**	0.00490 R1	0.00422 R1	0.00416 R1	0.0461	0.00630 R1	0.0907 R1	0.00825	0.00271	0.146 R1	0.161 R1	0.0353 R1 (c)	0.245	0.0885	**0.3688 R1**
10/30/09	<0.000990	<0.00495	0.00168 R12	0.00741 R1	0.000418 R1	0.00208 R1	0.00254 R1	0.00286 R1	0.0147	0.00554 R1	0.0537 R1	0.00478	<0.000198	0.0451 R1	0.0738 R1	0.00943 (c)	0.153 R1	0.0482	**0.211 R1**
12/16/20	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.0013	<0.00095	0.0011	<0.00095	0.046	0.026	0.030	**0.102**
07/01/21	<0.00019	0.000072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00083	<0.00019	0.00055	<0.00019	0.033	0.015	0.017	**0.065**
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0011	<0.00019	0.00061	<0.00019	0.039	0.017	0.021	**0.077**
05/26/22	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	0.00092	<0.00038	0.00089	<0.00038	0.036	0.022	0.026	**0.084**
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0017	<0.00020	0.0021	0.00012 J	0.037	0.026	0.033	**0.096**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**																		
07/25/06	<0.000939	0.0026	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	0.000947	<0.000188	<0.000469	<0.000188	0.0227 (a)	0.0373	0.0286	**0.0886**
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	0.0168	0.0023	<0.000208	0.00901	0.0117	0.027 (a)	0.0553	0.147	**0.2293**
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	0.0406	0.0320	0.0428	**0.1154**
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0397	0.0271	0.0392	**0.1060**
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.1578
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.00217	<0.000194	0.00365 R1	0.00126	0.000459 R1	0.0143 R1	0.00854 R1	0.0369 (c)	0.0578	0.0509	**0.1456**
10/30/09	<0.000990	<0.00495	<0.000990	0.0124 R1	<0.000099	0.00316 R1	0.00467 R1	0.00399 R1	0.00447	0.00919 R1	0.103 R1	0.0092	<0.000198	0.0949 R1	0.158 R1	0.0645 (c)	0.311 R1	0.163	**0.539 R1**
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**																		
07/20/06	<0.00472	0.00565	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	0.000356	<0.000189	0.00309	<0.000472	<0.000189	0.00483	<0.000189	0.0589 (a)	0.0914	0.0563	**0.2066**
02/07/07	<0.00118	<0.00588	0.0113	<0.000235	<0.000118	<0.000118	<0.000235	<0.000165	<0.000118	<0.000235	0.00227	0.00233	<0.000235	0.0075	0.0037	0.117 (a)	0.105	0.218	**0.4400**
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	0.0693	0.0451	0.0547	**0.1691**
09/26/08	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	0.074	0.0443	0.605	**0.1671**
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	0.0873	0.0573	0.0676	**0.2122**

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-5 **Well Screen Interval (feet): 27.19-47.19**																			
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.000639	<0.000194	0.00253 R1	0.00241	<0.000194	0.0194 R1	0.00619 R1	0.105 (c)	0.189 R1	0.103	**0.397**
08/19/09 D	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	0.000191 R1	<0.000196	<0.000137	0.000994	<0.000196	0.00269 R1	0.00206 R1	<0.000196	0.0192 R1	0.00682 R1	0.0954 (c)	0.171 R1	0.0707	**0.3371 R1**
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	0.000313	<0.000204	0.00349 R1	0.00213	<0.000204	0.0127 R1	0.00378 R1	0.0191 (c)	0.0375 R12	0.0641	**0.121 R12**
10/12/11	0.000367	0.000178	0.000144	0.000122	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.00167	<0.000111	0.00146	0.000111	0.0402 (b)	0.0216	0.0287	**0.0905**
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00202	<0.00190	<0.00190	<0.00190	0.0558	0.0229	0.0248	**0.1035**
07/17/12 D	<0.00190	<0.00190	0.00214	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00218	<0.00190	<0.00190	0.00214	<0.00190	0.0568	0.0245	0.0270	**0.1083**
10/03/12	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	0.00253	<0.00196	0.00241	<0.00196	0.0771	0.0296	0.0310	**0.1377**
10/03/12 D	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00249	<0.00189	0.00218	<0.00189	0.0833	0.0265	0.0299	**0.1397**
Field Point MW-6 **Well Screen Interval (feet): 27.05-42.05**																			
07/21/06	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189	<0.000472	<0.000189	<0.000943 (a)	<0.000943	0.00641	0.006410
02/07/07	<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	0.000637	<0.000222	<0.000556	<0.000222	<0.00111 (a)	<0.00111	<0.00111	<0.00333
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.02970
09/26/08	<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
11/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.0.000196	<0.000980	<0.000980	<0.000980	BDL
10/13/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962				
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	0.0000629 J	<0.00000935	<0.00000935	0.0000629 J
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	0.0000523 J	<0.0000188	<0.0000282	0.0000993
06/18/14	0.0000949	<0.0000284	<0.0000284	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000284	0.0000517 J	<0.000019	0.0000518 J	<0.000019	0.000634	0.000239 B	0.000355 B	0.001228 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000168	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/01/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/26/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	0.0025	<0.00020	<0.00020	0.00015 J	<0.00020	0.00015 J	<0.00020	<0.00020	0.0014	<0.00020	<0.00020	0.0029	<0.00020	0.0041	0.00043	<0.00020	0.0029	0.00043	0.00333
Field Point MW-7 **Well Screen Interval (feet): 24.35-39.35**																			
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	0.00383 (a)	0.00855	0.00879	0.02117
02/07/07	<0.00109	<0.00543	<0.00109	<0.000217	<0.000109	<0.000109	<0.000217	<0.000152	<0.000109	<0.000217	<0.000217	0.000772	<0.000217	<0.000543	<0.000217	0.00284 (a)	0.0215	0.0150	**0.03934**
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00135	<0.000200	<0.000500	0.000665	0.00227 (c)	0.00400	<0.00100	0.00627

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-7 **Well Screen Interval (feet): 24.35-39.35**																			
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00149	<0.000200	<0.000500	0.000609 R1	<0.00100 (c)	0.00873 R1	0.00372	0.0125 R1
10/13/11	0.000116	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.000547	<0.000105	0.000147	<0.000105	0.000537	0.000611	0.000558	0.001706
Field Point MW-8 **Well Screen Interval (feet): 23.05-38.05**																			
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	<0.000939 (a)	0.00472	<0.000939	0.004720
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208	<0.00104 (a)	0.0201	0.0113	**0.03140**
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.02940
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00101	<0.000205	<0.000513	0.000657	<0.00103 (c)	0.00674 R1	0.00354 R1	0.01028 R1
10/30/09	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	0.0001	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.0012	<0.000200	0.0005	0.000518	<0.00100 (c)	0.0101 R1	0.00430	0.0144 R1
Field Point MW-9 **Well Screen Interval (feet): 27.64-42.64**																			
07/21/06	<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (a)	<0.00099	<0.00099	<0.00297
02/06/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208	<0.00104 (a)	0.0148	0.00424	0.01904
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	0.00101	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952	<0.000952	<0.000952	<0.000952	<0.000952
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952	<0.0000952	<0.0000952	0.00143	<0.000952	<0.000952	0.00143
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377	0.0941	0.00931	0.0676	0.537	0.795	**1.3996**
Field Point MW-10 **Well Screen Interval (feet): 28.08-43.08**																			
07/21/06	0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200	<0.0005	<0.000200	<0.001 (a)	0.001	0.001	0.001
02/06/07	<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	0.000831	<0.000220	<0.00549	<0.000220	<0.00110 (a)	<0.00110	<0.00110	<0.00330
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	<0.000980	0.00268	0.00268
11/19/09	<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	0.000683	<0.000211	<0.000526	0.000935 R1	<0.00105 (c)	0.0202 R1	0.0142 R1	**0.0344 R1**
10/13/11	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	0.0000706 J	<0.00000935	<0.00000935	0.0000706 J
05/15/13 D	0.0000462 J	<0.0000374	0.000024 J	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00033	<0.0000187	<0.0000561	<0.0000561	0.0000757 J	<0.00000935	<0.00000935	0.0000757 J
01/29/14	0.0000594 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000258	<0.0000188	<0.0000282	<0.0000188	0.0000594 J	<0.0000188	<0.0000282	0.0000594 J
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	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14 D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**																		
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
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	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
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	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	0.000425	<0.0000191	<0.0000287	0.000425
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	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000012 J	<0.00019	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	0.00012 J	0.00010 J	0.00023	0.00011 J	<0.00019	0.00021	<0.00019	<0.00019	0.00022	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0327	0.0316	0.0241	**0.0884**
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000145	<0.000200	0.00136 R1	0.00203	<0.000200	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	0.00169	<0.000204	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
10/13/11	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
02/22/12	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**
07/17/12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.129	0.0464	0.0602	**0.2356**

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**
10/30/09	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	0.00642	0.00300 R1	0.0247 R1	0.00331	<0.000194	0.0238 R1	0.0369 R1	0.0212 (c)	0.0325 R1	0.0743	**0.128 R1**
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0120	0.0103	0.0108	**0.0331**
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	0.00956	<0.00952	<0.00952	0.00956
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	0.000797	<0.000194	0.00411 R1	0.00109	0.00923 (c)	0.0547 R1	0.0172	**0.08113 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	0.00123	<0.000200	0.00441 R1	0.00135 R1	0.00998 (c)	0.0506 R1	0.0186	**0.0792 R1**
10/13/11	0.0002	<0.0000952	0.000429	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.00114	<0.0000952	0.000381	<0.0000952	0.00579	0.00459	0.00418	0.01456
02/22/12	0.000222	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.0013	<0.000111	0.000644	<0.000111	0.0071	0.00479	0.00428	0.01617
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.0137	0.00521	0.005	0.02391
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.0118	0.00625	0.0072	0.02525
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0367	0.0318	0.0395	**0.108**
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	0.0902	0.0636	0.0825	**0.2363**
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0658	0.0380	0.0484	**0.1522**
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	0.000857	<0.000205	0.00315 R1	0.00229	<0.000205	0.0196 R1	0.00753 R1	0.1690 (c)	0.202 R1	0.118	**0.489 R1**
10/30/09	<0.000980	<0.00490	<0.000980	0.00384 R1	<0.000098	0.000723 R1	0.00128 R1	0.00191 R1	0.00786	0.00345 R1	0.0300 R1	0.00380	<0.000196	0.0282 R1	0.0435 R1	0.0274 (c)	0.0407 R1	0.0225	**0.0906 R1**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**																		
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0309
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00109	<0.000205	<0.000513	0.000979 R1	0.00429 R1 (c)	0.00603 R10	0.0127 R1	0.02302 R10, R1
10/13/11	0.000238	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.0017	<0.0000952	0.000343	<0.0000952	0.00154	0.00158	0.00124	0.00436
02/22/12	0.000217	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00153	<0.0000943	0.000292	<0.0000943	0.00122	0.00113	0.00090	0.003245
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	0.00229	<0.00190	0.00229
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.00855	0.00429	<0.00189	0.01284
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200	0.0102 R1	<0.000200	0.134 (c)	0.188 R1	0.0768	**0.3988 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	**0.000774 R1**	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	0.00180	<0.000200	0.0121 R1	0.00284 R1	0.134 (c)	0.193 R1		**0.327 R1**
10/13/11	0.000307	0.000515	0.0016	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00178	<0.000099	<0.000099	<0.000099	0.0798	0.0364	0.0556	**0.1718**
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.0429	0.0256	0.0306	**0.0991**
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.0865	0.0325	0.0402	**0.1592**
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0016	<0.00019	0.0013	<0.00019	0.044	0.022	0.028	**0.094**
07/18/18	0.000077 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0015	<0.00019	0.00073	<0.00019	0.053	0.026	0.028	**0.107**
03/06/19	0.00016 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	<0.00019	0.0010	<0.00019	0.062	0.030	0.037	**0.067**

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
10/03/19	0.00027	0.00017 J	<0.00019	0.000023 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0021	<0.00019	0.0012	<0.00019	0.080	0.042	0.048	**0.17**
06/25/20	0.00021	0.00012 J	0.000036 J	0.000085 J	0.000088 J	0.00010 J	0.00015 J	0.00011 J	0.000088 J	0.00015 J	<0.00019	0.0014	0.00014 J	0.00083	0.000026 J B	0.068	0.033	0.035	**0.136**
12/16/20	0.00016 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00021	<0.00019	0.037	0.013	0.010	**0.060**
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**
12/21/21	0.000099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	<0.00019	0.00047	<0.00019	0.071	0.031	0.025	**0.127**
05/25/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.00088 J	<0.0019	<0.0019	<0.0019	0.047	0.023	0.019	**0.089**
12/29/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.0015 J	<0.0019	0.0011 J	<0.0019	0.086	0.045	0.053	**0.184**
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**																		
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**																		
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<0.00019	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	0.00020	<0.00019	0.00058	0.0028	0.00030	0.00368
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**																		
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-20 **Well Screen Interval (feet): 29.50-44.50**																			
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
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	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.00009
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	0.000155 B	<0.000019	<0.0000284	0.000155 B
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	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
Field Point MW-22 **Well Screen Interval (feet): 30.00-45.00**																			
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	0.0000541 J	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<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	0.000278 B	<0.0000194	<0.0000291	0.000278 B
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	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00014 J	<0.00019	<0.00019	0.00014 J
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-23 **Well Screen Interval (feet): 31.00-46.00**																			
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
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	<0.000019	<0.00000952	<0.00000952	<0.000019
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000204	<0.0000306	<0.0000306	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000306	<0.0000204	<0.0000204	<0.0000306	<0.0000204	0.0000606 J B	<0.0000204	<0.0000306	0.000606 J B
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	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000220	<0.000190	<0.000190	<0.000190	0.0125	0.00669	0.00559	0.02478
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000280	<0.0000939	0.000177 B	<0.0000939	0.00754	0.00497	0.00409	0.0166
Field Point MW-25 **Well Screen Interval (feet): 28.00-43.00**																			
02/22/12	0.000168	0.000179	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.00232	<0.000105	0.0018	<0.000105	0.0939	0.0427	0.0688	**0.2054**
Field Point MW-26 **Well Screen Interval (feet): 30.00-45.00**																			
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
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	0.000394 B	<0.0000189	<0.0000283	0.000391 B
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	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000370	0.000130	0.0000991	0.0005991
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-28 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/29/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/30/22	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085

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

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)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052	<0.00019	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063	<0.00019	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	<0.00019	<0.00019	0.00022	0.00043	<0.00019	0.00065
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00039	<0.00019	<0.00019	<0.00019	0.00029	0.00080	0.00023	0.00132
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00053	<0.00019	<0.00019	<0.00019	<0.00019	0.00050	<0.00019	0.00050
12/29/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00055	<0.00019	0.00012 J	<0.00019	0.0015	0.0013	0.00091	0.00371
Field Point SB-1GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	0.000452	<0.0000962	0.000115	0.000462	0.000144	0.000721
Field Point SB-2GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971	0.000359	<0.0000971	0.00922	0.00625	0.00883	0.0243
Field Point SB-3GW	**Grab Groundwater Sample**																		
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098	0.00168	<0.000098	0.0835	0.039	0.0606	**0.1831**
Field Point SB-4GW	**Grab Groundwater Sample**																		
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098	0.000363	<0.000098	0.0137	0.0084	0.00967	**0.03177**
Field Point SB-5GW	**Grab Groundwater Sample**																		
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098	0.000559	<0.000098	0.0499	0.0182	0.0269	**0.095**
Field Point SB-6GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.0000971	<0.0000971	0.000505	0.000291	0.000437	0.001233
Field Point SB-7GW	**Grab Groundwater Sample**																		
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971	0.000495	<0.0000971	0.0047	0.00281	0.00367	0.01118

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

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-1	**Well Screen Interval (feet):**		**22.71-42.71**									
07/24/06	0.0295	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	0.0304	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
09/21/08	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
05/19/09	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**									
07/25/06	0.0469	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	0.0348	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
09/22/08	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
08/19/09	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
07/24/06	0.057	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	0.0505	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
09/22/08	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
05/19/09	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
12/16/20	0.0292 J	**8.65**	0.00501 J	0.00758 J	0.0164 J	<0.000500	<0.100	0.00324 J B	27.8		1400	**1010**
07/01/21	0.0395 J	**9.44**	0.00444 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	24.9		1280	**1250**
12/22/21	0.0222	**9.74**	0.0038 J	0.0064	<0.00500	<0.000248	<0.020	0.0070 J	17.7			**1400**
05/26/22	0.0316 J	**8.87**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	26.7		1420	**1410**
12/30/22	0.0444 J	**9.51**	<0.0200	0.0356 J	0.0206 J	<0.000200	<0.100	<0.0200	<2.00		1460	**1420**
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**									
07/25/06	0.034	**7.34**	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	**1000**
02/07/07	0.0617	**8.00**	<0.00100	**0.0615**	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	0.0140	**7.47**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	**1180**
09/21/08	0.0156	**7.74**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774
05/19/09	0.0162	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	0.0133	**8.19**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	0.0224	**8.64**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**									
07/20/06	0.0661	**1.71**	<0.00100	**0.177**	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712
02/07/07	0.0526	**1.96**	<0.00100	**0.0599**	0.0105	<0.000200	<0.0100	<0.00500	6.58	1.56	1130	610
04/15/08	0.0440	**3.02**	0.0017	0.0167	<0.00500	<0.000200	<0.0100	<0.00500	6.34	<1.00	976	736
09/21/08	0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	
05/19/09	0.0336	**3.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.81	<1.00	837	792
08/19/09	0.031	**3.68**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.02	<1.00	856	752
08/19/09 D	0.0322	**3.71**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.93	<1.00	847	760
10/30/09	0.0284	**3.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.61	<1.00	797	**1540**
10/12/11	0.0353	**4.8**	<0.00100	<0.00500	0.007	<0.000200	<0.0100	<0.00500	5.03	1.4		
07/17/12	0.0234	**4.9**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	1.18	720	753
07/17/12 D	0.0252	**5.08**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.42	1.21	721	760
10/03/12	0.0238	**4.48**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.46	<1.00	726	740
10/03/12 D	0.0233	**4.62**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.47	<1.00	732	749
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
07/21/06	<0.0100	0.168	<0.00100	<0.00500	<0.00500	0.000207	<0.0100	<0.00500	6.28	63.2	524	660
02/07/07	0.0397	**3.19**	<0.00100	**0.0822**	0.0307	0.00172	<0.0100	<0.00500	6.6	<2.00	2930	325
04/15/08	0.0199	0.610	0.0020	0.0213	0.00805	0.000467	0.0106	<0.00500	5.38	42.7	1650	548
09/21/08	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.75	34.5	528	440
05/18/09	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.90	37.2	567	234
08/19/09	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.11	33.0	519	568
10/30/09	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.03	31.1	475	470
10/13/11	<0.0100	0.112	<0.00100	<0.00500	0.0057	<0.000200	<0.0100	<0.00500	5	26.3		
07/17/12	<0.0100	0.127	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.23	24.6	452	571
10/03/12	<0.0100	0.121	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.91	26.4	446	566
05/15/13	<0.0047	0.14	<0.000200	<0.0012	0.0135	<0.00015	0.0081 J	<0.0013	4.67	<25	483	625
01/28/14	0.01	0.144	<0.000200	<0.0012	0.0059	<0.00015	<0.0064	<0.0013	5.04	26.2	512	597 B
06/18/14	<0.0072	0.138	0.0006 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	5.32 B	26.5	483	615
11/19/14	<0.0100	0.15	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.5	25	470	660
12/08/15	0.0149	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
04/26/16	0.0309	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
05/24/17	0.0273	0.375	<0.0100	0.00788 J	<0.0100	0.000342	<0.0150	<0.00500	4.6	13	482	545
11/29/17	<0.0100	0.212	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	13	19	460	570
07/20/18	0.0284	0.288	<0.0100	0.00674 J	0.00430 J	0.000190 B,J	0.0344	<0.00500	4.6	180	430	525

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
07/01/21	**0.169**	0.761	<0.0100	0.0248 J	0.0299 J	**0.00437**	<0.100	<0.0100	3.73		453	600
12/22/21	0.0157 J	0.291	0.00100 J	0.0041 J	<0.00500	<0.000248	<0.020	<0.010	<2.00			640
05/26/22	0.0269 J	0.424	<0.0100	<0.0500	0.0108 J	0.000918	<0.100	<0.0100	8.56 J		502	566
12/29/22	**0.230**	**1.46**	<0.0200	0.0424 J	0.0284 J	**0.00203**	<0.100	<0.0200	<2.00		538	579
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**									
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	0.0583	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	0.0513	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
05/18/09	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	0.014	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**									
07/25/06	0.0153	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	0.0342	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	0.035	**1.22**	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
05/18/09	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**									
07/21/06	0.0298	0.918	<0.00100	0.0354	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	0.0291	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	0.0694	**1.61**	0.0023	0.0473	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684
09/21/08	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
05/18/09	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644
08/19/09	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	0.0147	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
07/17/12	0.0175	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**									
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**									
07/21/06	<0.0100	0.324	<0.00100	0.0136	<0.00500	0.000822	<0.0100	<0.00500	**500**	85.2	748	**1520**
02/06/07	<0.0100	0.112	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.72	105	602	**1630**
04/15/08	0.0439	0.981	0.0044	**0.0625**	0.0277	0.001950	0.0256	<0.00500	**439**	97.4	3250	**1530**
09/21/08	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**414**	79.6	676	**1000**
05/18/09	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**430**	74.1	675	**1490**
08/19/09	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	0.000818	<0.0100	<0.00500	**421**	80.8	660	**1510**
10/30/09	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**394**	89.7	614	**1370**
10/13/11	<0.0100	0.0656	<0.00100	<0.00500	0.0057	0.000998	<0.0100	<0.00500	**356**	91.7		
07/17/12	0.0108	0.0696	<0.00100	<0.00500	<0.00500	0.000338	<0.0100	<0.00500	**283**	94.0	577	**1400**
10/03/12	<0.0100	0.0672	<0.00100	<0.00500	<0.00500	0.00106	<0.0100	<0.00500	**259**	99.2	595	**1450**
05/15/13	0.0055 J	0.0677	<0.000200	<0.0012	0.0113	<0.00015	<0.0064	<0.0013	218	95.9	585	**1400**
05/15/13 D	0.0091 J	0.0703	<0.000200	<0.0012	0.0104	<0.00015	0.0115	<0.0013	188	95.6	607	**1350**
01/29/14	0.0066 J	0.0632	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	161	88.7	666	**1220 B**
11/19/14	<0.0100	0.059	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	92	590	**1300**
11/19/14 D	<0.0100	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	88	600	**1300**
05/24/17	0.00638 J	0.188	<0.0100	0.00742 J	<0.0100	**0.00481**	<0.0150	0.00162 J	130	69	636	**1080**
11/29/17	0.0294	0.321	<0.0100	0.0154	<0.0100	**0.00319**	0.0184	<0.00500	130	67	691	**1080**
07/20/18	<0.0100	0.0986	<0.0100	0.00305 J	0.00666 J	0.000779 B	0.0235	<0.00500	140	100	600	**1110**
03/07/19	<0.100	0.114	<0.0100	<0.0500	0.0128 J	0.000765	<0.100	<0.0100	130	56	580	955
12/22/21	0.0575	0.615	0.0011 J	0.0082	0.0102	0.000325 H	0.0137 J	<0.010				
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	<0.0100	0.159	<0.00100	<0.00500	<0.00500	0.000224	<0.0100	<0.00500	213	128	528	**1120**
09/21/08	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**524**	130	553	**1440**
05/18/09	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**503**	125	572	**1490**
08/19/09	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**517**	121	577	**1550**
10/30/09	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**502**	127	539	**1350**
10/13/11	<0.0100	0.051	<0.00100	<0.00500	0.005	<0.000200	<0.0100	<0.00500	**428**	117		
07/17/12	0.0142	0.0531	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**422**	124	452	**1570**
10/03/12	0.0171	0.0551	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**405**	121	490	**1500**
05/15/13	0.0084 J	0.054	<0.000200	<0.0012	0.0138	<0.00015	0.0239	<0.0013	**392**	123	497	**1500**

TABLE 6

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Gladiola Station

Lea County, New Mexico

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NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
01/28/14	0.0074 J	0.0465	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	**393**	122	513	**1370**
06/18/14	<0.0072	0.0445	0.0007 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	**351 B**	114	485	**1340**
11/19/14	<0.0100	0.044	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**320**	120	480	**1400**
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
12/16/20	<0.100	0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
12/21/21	0.0164 J	0.0441	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	141			**1020 H**
05/25/22	<0.100	0.0407	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	148		429	908
12/30/22	<0.100	0.0372 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	155		393	952
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0278	**2.23**	<0.00100	0.0132	0.0082	<0.000200	<0.0100	<0.00500	10.7	8.19	995	657
09/21/08	0.0238	**5.10**	0.00130	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25.1	1.62	755	708
05/19/09	0.0233	**5.82**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	30.3	<1.00	777	**2390**
08/19/09	0.0177	**6.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.2	<1.00	778	750
10/30/09	0.0196	**6.63**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.7	<1.00	727	**1260**
10/13/11	0.01	**7.88**	<0.00100	<0.00500	0.0063	<0.000200	<0.0100	<0.00500	17.5	1.32		
07/17/12	0.0133	**8.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.4	1.18	707	757
10/03/12	<0.0100	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	<1.00	694	724
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0221	**1.41**	<0.00100	0.0134	0.0104	<0.000200	<0.0100	<0.00500	61.9	209	870	**1920 A-01**
09/21/08	0.0377	**3.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.62	1.20	751	748
05/19/09	0.0321	**4.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	<1.00	800	252
08/19/09	0.0249	**4.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.76	<1.00	781	800
10/30/09	0.0275	**4.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	1.4	745	580

TABLE 6

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Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
04/30/08	0.0172	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
05/19/09	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698
08/19/09	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.14	15.7	656	702
10/30/09	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**									
04/30/08	0.0107	**1.02**	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	0.0153	**1.40**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
05/18/09	0.0167	**1.59**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	0.0136	**1.73**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	0.0136	**1.79**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	0.0152	**2.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	0.0142	**2.21**	0.0051	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
07/17/12	0.0147	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788
10/03/12	0.0193	**1.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0475	**1.98**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	0.0541	**1.69**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	0.036	**3.61**	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
07/17/12	0.0238	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747
10/03/12	0.0418	**4.51**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
11/29/17	0.0192	**10.2**	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	14	0.55 J	896	815
07/18/18	<0.0100	**9.58**	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	**1000**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
10/03/19	<0.100	**9.99**	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840
06/25/20	<0.100	**9.45**	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855
12/16/20	0.0226 J	**11.0**	0.00415 J	0.00691 J	0.0140 J	<0.000500	<0.100	<0.0100	6.64		1060	860
06/30/21	0.0259 J	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
12/21/21	<0.00200	**13.1**	0.0027 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	4.43			**1070 H**
05/25/22	0.0240 J	**11.4**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.15		1080	**1010**
12/29/22	0.0262 J	**12.0**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	4.43		1020	**1080**
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	**1510**
10/30/09	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890
10/13/11	0.0102	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	0.0197	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
07/17/12	0.0237	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	0.0308	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	0.0185	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	0.028	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B
06/18/14	0.0161	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621
11/18/14	0.02	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	0.0382	0.0579	<0.0100	**0.116**	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	0.0388	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
06/24/20	0.0299 J	0.0520	<0.0100	<0.0500	0.0152 J	<0.000500	<0.100	<0.0100	43.9	110	306	595
12/15/20	<0.100	0.0860 F1	0.00321 J	0.0451 J	0.0198 J	<0.000500	<0.100	<0.0100	40.9		415	635

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-20	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
07/17/12	0.0115	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
10/03/12	0.0232	0.0197	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.5	280	223	792
05/15/13	0.0209	0.0204	<0.000200	<0.0012	0.0085	<0.00015	0.0161	<0.0013	41.7	293	212	782
01/29/14	0.0288	0.0191	<0.000200	<0.0012	0.0044 J	<0.00015	0.0066 J	<0.0013	42.8	242	236	750 B
01/29/14 D	0.0299	0.0188	<0.000200	<0.0012	<0.00035	<0.00015	0.0067 J	<0.0013	42.8	257	233	750 B
06/18/14	0.0179	0.0192	0.0007 J	<0.00300	<0.002	<0.000150	0.0096 J	<0.0025	42.7 B	248	221	776
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800

TABLE 6

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Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
12/16/20	<0.100	0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
12/21/21	0.0091 J	**12.8**	0.0024 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	29.6			740 H
05/25/22	<0.100	0.0212	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	32.6		285	687
12/30/22	<0.100	0.0226 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	31.6		269	687
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**									
02/22/12	0.0258	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0307	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652
10/03/12	0.0335	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	0.0259	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635
01/29/14	0.0343	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	0.033	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	0.0577	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point MW-25	**Well Screen Interval (feet):**		**28.00-43.00**									
02/22/12	0.062	**7.1**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
02/22/12	0.0135	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0123	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	0.0198	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	0.019	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	0.0159	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B

TABLE 6

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Gladiola Station

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Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
12/15/20	<0.100	0.0471	0.00332 J	<0.0500	0.0287 J	<0.000500	<0.100	0.00309 J B	**306**		172	945
06/30/21	<0.100	0.0662	0.00219 J	<0.0500	0.0176 J	<0.000248	<0.100	<0.0100	145		178	**1050**
12/21/21	0.0166 J	0.0603	<0.00500	<0.00500	<0.00500	<0.000248	0.0121 J	<0.010	**290**			**1290 H**
05/25/22	<0.100	0.0552	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	**288**		190	966
12/29/22	<0.100	0.0518 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	**289**		169	**1140**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0156	0.0874	<0.0100	<0.0100	<0.0100	0.000104 B,J	0.0300	0.00196 J	220	430	140	**1060**
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**
10/02/19	<0.100	0.0607	<0.0100	0.0120 J	0.0156 J	0.000112	<0.100	<0.0100	207	380	154	955
06/24/20	<0.100	0.0561	<0.0100	<0.0500	0.0285 J	<0.000500	0.0278 J	<0.0100	202	400	151	**1180**
12/15/20	<0.100	0.0479	0.00280 J	<0.0500	0.0334 J	<0.000500	<0.100	<0.0100	209		150	**1150**
06/30/21	<0.100	0.0555	0.00256 J	<0.0500	0.0152 J	<0.000248	<0.100	<0.0100	200		154	**1170**
12/21/21	0.0089 J	0.0475	<0.00500	<0.00500	<0.00500	<0.000248	0.020	<0.010	195			**1280 H**
05/25/22	<0.100	0.0437	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	194		167	**1150**
12/29/22	<0.100	0.0496 B	<0.0100	0.00370 J	<0.0500	<0.000200	<0.0500	<0.0100	189		154	**1250**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0213	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
12/15/20	<0.100	0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720
12/21/21	0.0125 J	0.0446	<0.00500	<0.00500	<0.00500	<0.000248	0.0123 J	<0.010	147			780 H
05/24/22	<0.100	0.0336	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	111		191	680
12/29/22	<0.100	0.0431 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	164		178	734
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.00958 J	0.0590	<0.0100	<0.0100	<0.0100	0.000102 B,J	<0.0150	<0.00500	170	100	170	725
03/05/19	<0.100	0.0490	<0.0100	<0.0500	0.0105 J	<0.000200	<0.100	<0.0100	190	110	160	690
10/02/19	<0.100	0.0441	<0.0100	0.00705 J	0.0138 J	0.000161	<0.100	<0.0100	197	84	172	715
06/24/20	<0.100	0.0474	<0.0100	<0.0500	0.0228 J	<0.000500	<0.100	<0.0100	197	91	165	800
12/15/20	<0.100	0.0538	0.00263 J	<0.0500	0.0232 J	<0.000500	<0.100	<0.0100	194		165	625
06/30/21	<0.100	0.0576	0.00238 J	<0.0500	0.0141 J	<0.000248	<0.100	<0.0100	151		169	720
12/21/21	0.0156 J	0.0535	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	129			725 H
05/24/22	<0.100	0.0461	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	142		<8.00	566
12/29/22	<0.100	0.0564 B	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	182		166	725
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0633	<0.0100	<0.0100	<0.0100	0.000103 B,J	0.0202	0.00222 J	120	150	250	735
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
10/03/19	<0.100	0.211	<0.0100	<0.0500	0.0204 J	0.0000458 J	0.0321 J	<0.0100	**751**	88	377	635
06/25/20	<0.100	0.135	<0.0100	<0.0500	0.0206 J	<0.000500	<0.100	<0.0100	81.1	110	325	740
12/16/20	<0.100	0.474	0.00317 J	<0.0500	0.0187 J	<0.000500	<0.100	<0.0100	45.7		476	**1010**
07/01/21	<0.100	0.605	0.00229 J	<0.0500	0.0102 J	<0.000248	<0.100	<0.0100	42.9		477	655
12/22/21	0.0179 J	0.382	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	91.2			770
05/25/22	<0.100	0.590	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	52.7		470	670
12/30/22	<0.100	**1.12 B**	<0.0100	<0.0500	<0.0500	<0.000200	<0.0500	<0.0100	44.9		480	677
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0799	<0.0100	<0.0100	<0.0100	0.000153 B,J	0.0187	<0.00500	47	53	450	705
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645
10/03/19	<0.100	0.302	<0.0100	0.00840 J	0.0246 J	0.000117	<0.100	<0.0100	49.9	36	488	605
06/24/20	<0.100	0.163	<0.0100	<0.0500	0.0198 J	<0.000500	<0.100	<0.0100	33.8	37	466	620
12/16/20	<0.100	0.327	0.00304 J	<0.0500	0.0233 J	<0.000500	<0.100	<0.0100	35.5		540	545

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.353	0.00258 J	<0.0500	0.0122 J	<0.000248	<0.100	<0.0100	33.1		509	575
12/21/21	0.0407	0.345	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	36.5			740 H
05/25/22	0.0263 J	0.174	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	25.5		546	625
12/29/22	0.0212 J	0.237 B	<0.0100	0.00780 J	<0.0500	<0.000200	<0.0500	<0.0100	27.9		511	641
Field Point SB-1GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0808	<0.00100	<0.00500	0.0053	<0.000200	<0.0100	<0.00500	9.4	77.8		
Field Point SB-2GW	**Grab Groundwater Sample**											
10/28/11	0.0139	0.134	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	156	307		
Field Point SB-3GW	**Grab Groundwater Sample**											
10/28/11	0.0338	**7.8**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.84	2.3		
Field Point SB-4GW	**Grab Groundwater Sample**											
10/28/11	0.0296	**3.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.9	2.8		
Field Point SB-5GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0971	<0.00100	<0.00500	<0.00500	<0.000200	0.0105	<0.00500	180	421		
Field Point SB-6GW	**Grab Groundwater Sample**											
10/28/11	0.0116	0.0343	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.04	290		
Field Point SB-7GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-3														
12/16/20					0.040	0.053	0.0034 J	0.042		0.0057				
07/01/21					0.042	0.057	0.0041 J	0.039		0.0067		0.011		
12/22/21					0.047	0.060	0.0049 J	0.048		0.0078		0.018		
05/26/22					0.042	0.054	0.0040 J	0.045		0.0054				
12/30/22					0.039	0.052	0.0049 J	0.037		0.0069				
Field Point MW-6														
05/24/17	0.0041 J						0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021	
11/29/17	0.0045 J						0.00022 J		0.00077	0.00047 J		0.0011	0.0017	
07/20/18	0.0041 J													
03/07/19										0.00038 J	0.000087 J	0.000080 J	0.00033 J	
07/01/21														
12/22/21														
05/26/22	0.0046 J													
12/29/22							0.0093		0.0072	0.0065		0.041	0.045	
Field Point MW-10														
05/24/17														
11/29/17	0.0056 J									0.00036 J				
07/20/18	0.0081 J									0.00060				
03/07/19	0.0041 J				0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J	
07/01/21												0.0049	0.0040	
12/22/21														
Field Point MW-11														
05/24/17														
11/29/17	0.0067 J					0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056	
07/18/18														
03/07/19														
10/03/19												0.00010 J		
06/25/20					0.00014 J						0.00021 J			
12/16/20														
07/01/21														

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-11														
12/21/21														
05/25/22														
12/30/22														
Field Point MW-17														
11/29/17					0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023	
07/18/18					0.047	0.057 J	0.0046 J	0.044		0.0057 J		0.094	0.012	
03/06/19					0.042	0.061 J	0.0033 J	0.035		0.0052 J		0.028	0.0033 J	
10/03/19					0.052	0.091	0.0053 J	0.050	0.0015 J	0.0066 J		0.14	0.013	
06/25/20			0.031 J B		0.066	0.098	0.0052 J	0.069	0.0015 J	0.0088 J		0.110	0.012	
12/16/20					0.042	0.064	0.0031	0.039		0.0042		0.070	0.020	
06/30/21					0.051	0.078		0.051				0.180	0.042	
12/21/21					0.061	0.092		0.062		0.0077 J		0.13	0.028	
05/25/22					0.060	0.073		0.061		0.0060 J		0.052	0.0058	
12/29/22					0.043	0.082				0.0053 J		0.031		
Field Point MW-19														
05/24/17		0.0045 J			0.0068	0.0017 J	0.0022	0.0037	0.0027	0.0024	0.00079	0.020	0.021	
11/29/17	0.0052 J	0.0023 J			0.0057	0.00055 J	0.0023	0.0036	0.0024	0.0023	0.00068	0.026	0.021	
07/18/18	0.0042 J				0.0019		0.00022 J	0.0011	0.0010	0.0013	0.00044 J	0.0030	0.00041 J	
03/05/19					0.0014	0.00012 J	0.00024 J	0.00072	0.00088	0.0013	0.00054	0.0021	0.000084 J	
10/02/19					0.00023 J			0.000079 J	0.00017 J	0.00034 J	0.00021 J	0.00032 J		
06/24/20					0.00050		0.00031 J	0.00028 J	0.00024 J	0.0011	0.00055	0.0016	0.00047 J	
12/15/20					0.0051	0.00086 J	0.00098	0.0033	0.0023	0.0034	0.00097	0.013		
Field Point MW-22														
05/24/17														
11/29/17	0.0068 J													
07/18/18														
03/06/19														
10/03/19														
06/25/20														
12/16/20														

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-22														
07/01/21														
12/21/21														
05/25/22														
12/30/22														
Field Point MW-26														
05/24/17				0.0011		0.00077 J						0.0014		
11/29/17												0.00045 J		
07/18/18					0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041	
Field Point MW-27														
07/19/18	0.0045 J													
03/06/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21	0.0040 J													
12/21/21														
05/25/22														
12/29/22														
Field Point MW-28														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
05/25/22														
12/29/22														
Field Point MW-29														
07/19/18														

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-29														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
05/24/22														
12/29/22														
Field Point MW-30														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
05/24/22														
12/29/22														
Field Point MW-31														
07/19/18					0.00029 J			0.00022 J				0.0019	0.00091	
03/07/19					0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038	
10/03/19					0.00025 J			0.00015 J	0.00020 J	0.00052	0.00016 J	0.0025	0.00061	
06/25/20					0.00014 J			0.000090 J	0.000080 J	0.00029 J		0.00074	0.00012 J	
12/16/20					0.00048 J	0.00032 J			0.00028 J	0.0015	0.00043 J	0.00063		
07/01/21					0.00041 J					0.0011				
12/22/21										0.00082				
05/25/22										0.0010	0.00028 J	0.00037 J		
12/30/22										0.0014	0.00043 J			
Field Point MW-32														
07/19/18	0.0050 J				0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010	

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-32														
03/06/19					0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041	
10/03/19					0.0016			0.000094 J	0.00035 J	0.0017	0.0010	0.00036 J	0.00028 J	
06/24/20					0.00059				0.00049 J	0.0019	0.0014	0.00021 J		
12/16/20						0.00062 J			0.00079	0.0011	0.00082	0.00033 J		
06/30/21	0.0040 J					0.00055 J			0.00049 J	0.0010	0.00079			
12/21/21									0.00051	0.0011	0.00085			
05/25/22									0.00070	0.0017	0.0011			
12/29/22	0.0059 J									0.0016	0.0012	0.00022 J		

TABLE 7

CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA

(EXCEPT BTEX AND FUEL OXYGENATES)

Gladiola Station

Lea County, New Mexico

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

Unless noted otherwise, all sampled wells were analyzed by EPA Method 8260B full scan.
Note: table only reflects concentrations above the laboratory reporting limit. Refer to the laboratory report for the reporting limit and dilution factor.

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
Prior to December 2015		101	---	101
Subtotal Removed		**101**	**---**	**101**
MW-1	12/07/15	2.0	---	2.0
MW-1	06/25/20	0.25	1.75	2.0
MW-1	12/17/20	(a)	(a)	0.25
MW-1	06/29/21	0.0625	0.4375	0.50
MW-1	12/20/21	0.25	0.50	0.75
MW-1	05/24/22	0.003	---	0.003
MW-1	12/28/22	0.11	0.39	0.5
Subtotal Removed		**2.67**	**3.08**	**6.00**
MW-2	12/22/21	---	1.50	1.50
MW-2	05/24/22	0.04	---	0.04
MW-2	12/28/22	0.03	0.11	0.13
Subtotal Removed		**0.07**	**1.61**	**1.67**
MW-4	12/07/15	1.5	---	1.50
MW-4	04/29/16	(a)	(a)	(b)
MW-4	12/17/20	(a)	(a)	0.50
MW-4	06/29/21	0.125	0.375	0.50
MW-4	12/20/21	0.25	0.25	0.50
MW-4	05/24/22	0.01	---	0.01
MW-4	12/28/22	0.03	0.22	0.25
Subtotal Removed		**1.91**	**0.85**	**3.26**
MW-5	12/07/15	2.5	---	2.5
MW-5	04/29/16	(a)	(a)	(b)
MW-5	11/29/17	1.0	---	1.0
MW-5	06/25/20	0.13	0.48	0.61
MW-5	12/17/20	(a)	(a)	0.50
MW-5	06/29/21	0.0625	0.4375	0.50
MW-5	12/20/21	0.125	0.75	0.875
MW-5	05/24/22	0.13	---	0.13
MW-5	12/28/22	0.05	0.95	1.00
Subtotal Removed		**4.00**	**2.61**	**7.11**
MW-9	12/07/15	1.75	---	1.75
MW-9	06/25/20	0.08	0.40	0.48
MW-9	12/17/20	(a)	(a)	0.50
MW-9	06/29/21	0.0625	0.4375	0.50
MW-9	12/20/21	0.125	0.375	0.50
MW-9	05/25/22	0.0005	---	0.0005
MW-9	12/28/22	0.0026	0.13	0.13
Subtotal Removed		**2.02**	**1.34**	**3.86**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-12	12/07/15	2.5	---	2.5
MW-12	04/29/16	(a)	(a)	(b)
MW-12	06/25/20	0.75	2.0	2.75
MW-12	12/17/20	(a)	(a)	1.0
MW-12	06/29/21	0.125	0.875	1.0
MW-12	12/20/21	0.25	1.25	1.5
MW-12	05/25/22	0.08	---	0.08
MW-12	12/28/22	0.11	0.9	1.00
Subtotal Removed		**3.811**	**5.019**	**9.830**
MW-13	12/07/15	3.0	---	3.0
MW-13	04/29/16	2.0	---	2.0
MW-13	06/25/20	1.75	2.0	3.75
MW-13	12/17/20	(a)	(a)	1.0
MW-13	06/29/21	0.25	0.75	1.0
MW-13	12/20/21	0.25	1.75	2.0
MW-13	05/26/21	0.07	---	0.07
MW-13	12/28/22	0.25	1.3	1.50
Subtotal Removed		**7.57**	**5.75**	**14.32**
MW-14	12/07/15	3.0	---	3.0
MW-14	04/28/16	2.0	---	2.0
MW-14	11/29/17	3.0	---	3.0
MW-14	06/25/20	0.99	1.32	2.31
MW-14	12/17/20	(a)	(a)	1.0
MW-14	06/29/21	0.125	0.875	1.0
MW-14	12/20/21	0.25	1.5	1.75
MW-14	05/24/22	0.07	---	0.07
MW-14	12/28/22	0.05	1.45	1.50
Subtotal Removed		**9.49**	**5.14**	**15.63**
MW-15	12/07/15	3.0	---	3.0
MW-15	04/29/16	(a)	(a)	(b)
MW-15	06/25/20	0.18	1.32	1.51
MW-15	12/17/20	(a)	(a)	1.0
MW-15	06/29/21	0.0625	0.4375	0.50
MW-15	12/20/21	0.125	1.25	1.375
MW-15	05/24/22	0.05	---	0.05
MW-15	12/28/22	0.05	0.45	0.50
Subtotal Removed		**3.48**	**3.46**	**7.93**
MW-16	12/07/15	2.5	---	2.5
MW-16	04/29/16	(a)	(a)	(b)
MW-16	06/25/20	0.26	1.32	1.59
MW-16	12/17/20	(a)	(a)	1.0
MW-16	06/29/21	0.125	0.875	1.0
MW-16	12/20/21	0.25	0.5	0.75
MW-16	05/26/21	0.003	---	0.003
MW-16	12/28/22	0.08	0.42	0.50
Subtotal Removed		**3.22**	**3.12**	**7.34**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-18	12/07/15	1.75	---	1.75
MW-18	04/29/16	(a)	(a)	(b)
MW-18	06/25/20	0.25	1.75	2.0
MW-18	12/17/20	(a)	(a)	1.25
MW-18	06/29/21	0.5	1.5	2.0
MW-18	12/20/21	1.0	1.5	2.5
MW-18	05/26/21	1.5	---	1.5
MW-18	12/28/22	1.00	0.50	1.5
Subtotal Removed		**6.00**	**5.25**	**12.50**
MW-19	06/29/21	0.0625	0.4375	0.5
MW-19	12/20/21	0.25	1.75	2.0
MW-19	05/26/21	2.0	---	2.0
MW-19	12/28/22	1.00	1.00	2.0
Subtotal Removed		**3.31**	**3.19**	**6.50**
MW-20	12/07/15	2.0	---	2.0
MW-20	04/29/16	(a)	(a)	(b)
MW-20	06/25/20	1.45	0.92	2.38
MW-20	12/17/20	1.25	1.75	3.0
MW-20	06/29/21	1.0	1.5	2.5
MW-20	12/20/21	0.25	1.75	2.0
MW-20	05/26/21	0.05	---	0.05
MW-20	12/28/22	0.03	0.47	0.50
Subtotal Removed		**6.04**	**6.39**	**12.43**
MW-21	06/25/20	0.79	1.32	2.11
MW-21	12/17/20	(a)	(a)	0.75
MW-21	06/29/21	0.0625	0.4375	0.50
MW-21	12/20/21	0.125	0.50	0.63
MW-21	05/26/21	0.03	---	0.03
MW-21	12/28/22	0.04	0.46	0.50
Subtotal Removed		**1.05**	**2.72**	**4.52**
MW-23	06/25/20	0.004	0.07	0.07
MW-23	12/17/20	(a)	(a)	0.50
MW-23	06/29/21	0.0625	0.4375	0.50
MW-23	12/20/21	0.125	0.50	0.625
MW-23	05/26/21	0.003	---	0.003
MW-23	12/28/22	0.01	0.12	0.13
Subtotal Removed		**0.21**	**1.12**	**1.83**
MW-24	12/07/15	2.5	---	2.5
MW-24	04/28/16	2.25	---	2.25
MW-24	11/29/17	2.0	---	2.0
MW-24	06/25/20	1.85	1.85	3.7
MW-24	12/17/20	(a)	(a)	1.0
MW-24	06/29/21	0.125	0.875	1.0
MW-24	12/20/21	0.25	0.5	0.75
MW-24	05/26/21	0.13	---	0.13
MW-24	12/28/22	0.25	1.25	1.5
Subtotal Removed		**9.36**	**4.47**	**14.83**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-25	12/07/15	2.0	---	2.0
MW-25	04/29/16	(a)	(a)	(b)
MW-25	11/29/17	2.0	---	2.0
MW-25	06/25/20	1.0	0.50	1.5
MW-25	12/17/20	(a)	(a)	0.50
MW-25	06/29/21	0.25	0.75	1.0
MW-25	12/20/21	0.25	0.75	1.0
MW-25	05/26/21	0.05	---	0.05
MW-25	12/28/22	0.02	0.16	0.18
Subtotal Removed		**5.57**	**2.16**	**8.23**
MW-26	06/25/20	1.25	1.25	2.5
MW-26	12/17/20	0.75	1.25	2.0
MW-26	06/29/21	0.40	0.60	1.0
MW-26	12/20/21	1.0	0.50	1.5
MW-26	05/25/22	0.66	---	0.66
MW-26	12/28/22	0.50	2.00	2.50
Subtotal Removed		**4.56**	**5.60**	**10.16**
NAPL Removal	04/29/16	(a)	(a)	6
NAPL Pumping Test	10/26/16	(a)	(a)	100
NAPL Recovery Test	5/24-25/17	10-15	---	10-15
Subtotal Removed		**10.00**	**---**	**116.00**
Total Removed		**185.33**	**62.87**	**364.95**

Explanation:
NAPL = non-aqueous phase liquid
(a) = Amount of NAPL and water individually removed unknown.
(b) = Approximately 6 gallons removed during the event. See NAPL Removal Event on 04/29/16.

APPENDIX A

Field Data Sheets

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Jose Valdez + Clint Calip	Project Number: 013612
Gauging Instrument: Geotech interphase meter	Date(s): 12/28, 29, 30

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
* MW-30	12/28	08:01	53.82	39.85	~~39.83~~		
* MW-29	12/28	08:07	53.84	40.16			
* MW-28	12/28	08:11	52.61	40.36			
* MW-27	12/28	08:14	53.86	40.38			
* MW-32	12/28	08:18	53.38	42.01			
* MW-17	12/28	08:23	48.13	40.78			
* MW-22	12/28	08:26	47.71	41.62			
* MW-11	12/28	08:35	48.01	41.33			
*** MW10	12/28	08:31	42.93	42.90			insufficient water
* MW-31	12/28	08:37	53.56	40.64			
** * MW-7	12/28	07:37	36.19				Dry
* MW-3	12/28	07:54	44.83	36.76			
MW-6	12/28	07:41	42.25	39.86			Sheen visible when sampling
MW-19	12/28	09:39		~~39.68~~ 39.40	39.66	.02 1.02	[redacted] no bailer
MW-14	12/28	09:36		39.75	39.57	0.18	> NO well CAP 4" well. No bail
MW-5	12/28	09:33		40.11	39.72	0.39	
MW-15	12/28	09:29		40.08	39.97	0.11	
MW-24	12/28	09:25		40.21	38.78	1.43	
MW-13	12/28	10:04		40.22	39.75	0.47	
MW-23	12/28	09:44		40.12	40.08	0.04	2". No bailer
MW-21	12/28	09:50		40.21	40.14	0.07	
MW-18	12/28	10:00		41.37	39.94	1.43	
MW-25	12/28	10:09		40.76	40.45	0.31	
MW-20	12/28	09:54		40.50	40.34	0.16	
MW-26	12/28	10:14		42.13	40.33	1.80	
MW-12	12/28	09:19		41.04	40.91	0.13	

* [redacted] purge
** Dry
*** insufficient

			total	water	Product	thick	
MW-9	12/28	08:44		41.66	41.66	0.02	
MW-4	12/28	09:00		37.97	37.83	0.14	
MW-16	12/28	09:12		39.71	39.58	0.13	
MW-1	12/28	08:54		38.12	38.01	0.11	
MW-2	12/28	09:07		41.48	41.31	0.17	

Well MW-12

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL:		SAMPLER(S) Clint Calip
METHOD: HANDBAIL	BAILER (type)	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28/22	10:30	7	40.91	41.04	400	3,385	1 gallon total Removed

Figure 1

Well MW-24

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW24		SAMPLER(S) Clint Calip
METHOD: Hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

total gallons of mixed.

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	10:45	15	38.78	40.21	950	4,728	1.5 total gallons Removed mixed

Figure 1

Well MW-15

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-15		SAMPLER(S) Clint Collip
METHOD: Hand Bail	BAILER (type)	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE oil
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown / Gold

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	11:12	5	39.97	40.08	200	1,692	1,892 water/oil Removed.

Figure 1

Well MW-5

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-5		SAMPLER(S) Clint Calip
METHOD: Hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	2"	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Dark Brown/Gold

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	11:19	7	39.72	40.11	200	3589	1 gallon mix total

Figure 1

Well MW-14

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-14		SAMPLER(S) Clint Culp
METHOD: Hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown / Gold

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	11:30	9	39.57	39.75	200	5,478	1.5 gallons total

Figure 1

Well MW-19

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-19		SAMPLER(S) Clint Calip
METHOD: Hand Bail	BAILER (type) poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown / Gold.

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	11:42	18	39.66	40.68	3785.41	3785.41	2 gallons total

Figure 1

Well MW-23

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-23		SAMPLER(S) Clint Calip
METHOD:	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/2r	12:03	3	40.08	40.12	50.00	450	500 mL total

Figure 1

Well MW-21

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: mw-21		SAMPLER(S) clint colip
METHOD: hand bail	BAILER (type) poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR DARK Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	12:08	85	40.14	40.21	150	1,742	0.5 gallons total

Figure 1

Well MW-20

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO. 3612
WELL: MW-20		SAMPLER(S) Clint Calip
METHOD: Hand Bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	12:16	5	40.34	40.50	125	1,767	0.5 gallon total

Figure 1

2 water 0.5

Well mw-18

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO. 3612	
WELL: mw-18		SAMPLER(S) clint cplip	
METHOD: Hand bail	BAILER (type) poly	PUMP (type)	

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	4"	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	12:24	8	39.94	41.37	3785.41	1892.71	1.5 gallons total

Figure 1

* Between bailer top, used 1.5" bailer

Well MW-13

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO. 3612
WELL: MW-13		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	12:41	18	39.75	40.22	946.353	4731.765	1.5 gallons.

Figure 1

Well MW-25

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO. 3612
WELL: MW-25		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	13:01	5	40.45	40.76	75ml	600 mL	675 mL total

Figure 1

Well MW-26

Cardno
LNAPL BAILING FORM

SITE: ~~MW~~ 3612		PROJ. NO. 3612
WELL: MW-26		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed Gallons ([redacted])	Water Removed Gallons ([redacted])	Remarks/Pump Status
12/28	13:18	22	40.33	42.13	0.5	2	2.5 gallons

Figure 1

Well MW-9

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: mw-9		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	13:42	5	41.66	41.68	10 mL	490 mL	500 mL

Figure 1

Well MW-2

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO. 3612
WELL: MW-2		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	13:53	5	41.31	41.48	100	400	500 mL total

Figure 1

Well MW-4

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-4		SAMPLER(S) Clint Calip
METHOD: Hand Bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	14:01	5	37.83	37.97	100	846	0.25gallon total

Figure 1

Well MW-1

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-1		SAMPLER(S) Clint Calip
METHOD: hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	1410	6	38.01	38.12	400	1492	0.5 gallons total

Figure 1

Well MW16

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW-16		SAMPLER(S) Clint Calip
METHOD: Hand bail	BAILER (type) Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Dark brown

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/28	14:21	8	39.58	39.71	300	1592	0.5 gallon total

Figure 1

APPENDIX B

Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. James Anderson
Cardno, Inc
4572 Telephone Road #916
Ventura, California 93003

Generated 1/16/2023 11:34:31 AM

JOB DESCRIPTION

ExxonMobil Gladiola Station/3612

JOB NUMBER

570-122296-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information

my EOL

Eurofins Calscience

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

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Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory Job ID: 570-122296-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-122296-1	W-MW-6	Water	12/29/22 07:30	12/30/22 09:45
570-122296-2	W-MW-30	Water	12/29/22 08:17	12/30/22 09:45
570-122296-3	W-MW-29	Water	12/29/22 08:52	12/30/22 09:45
570-122296-4	W-MW-28	Water	12/29/22 09:29	12/30/22 09:45
570-122296-5	W-MW-27	Water	12/29/22 10:10	12/30/22 09:45
570-122296-6	W-MW-17	Water	12/29/22 11:47	12/30/22 09:45
570-122296-7	W-MW-32	Water	12/29/22 12:14	12/30/22 09:45
570-122296-8	Trip Blank	Water	12/29/22 00:00	12/30/22 09:45

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-122296-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Job ID: 570-122296-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-122296-1

Comments
No additional comments.

Receipt
The samples were received on 12/30/2022 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

Receipt Exceptions
One or more containers for the following sample was received broken or leaking: W-MW-27 (570-122296-5): 1 VOA vial with HCL received broken for Sample 5 (W-MW-27).

GC/MS VOA
Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-293172 recovered outside control limits for the following analytes: 2-Butanone, Ethyl-t-butyl ether and cis-1,2-Dichloroethene. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-293172.

Method 8260B: The following sample was diluted due to the nature of the sample matrix: W-MW-6 (570-122296-1). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 570-293590 were outside control limits. The associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: W-MW-6 (570-122296-1) and W-MW-17 (570-122296-6).

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

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

Metals
Method 6010B: The method blank for preparation batch 570-293222 and analytical batch 570-293484 contained Barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) or greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010B: The post digestion spike % recovery for Silver associated with batch 570-293725 was outside of control limits. The associated sample is: (570-120915-O-1-A PDS).

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-292810. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Case Narrative

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Job ID: 570-122296-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

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

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

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-6 — Lab Sample ID: 570-122296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	41		1.0	0.45	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	45		1.0	0.37	ug/L	2		8260B	Total/NA
n-Butylbenzene	9.3		1.0	0.48	ug/L	2		8260B	Total/NA
p-Isopropyltoluene	7.2		1.0	0.40	ug/L	2		8260B	Total/NA
sec-Butylbenzene	6.5		1.0	0.39	ug/L	2		8260B	Total/NA
Acenaphthene	2.5		0.20	0.095	ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.15	J	0.20	0.084	ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	0.15	J	0.20	0.12	ug/L	1		8270C SIM	Total/NA
Chrysene	1.4		0.20	0.058	ug/L	1		8270C SIM	Total/NA
Fluorene	2.9		0.20	0.074	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	2.9		0.20	0.072	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.43		0.20	0.076	ug/L	1		8270C SIM	Total/NA
Phenanthrene	4.1		0.20	0.072	ug/L	1		8270C SIM	Total/NA
Pyrene	0.43		0.20	0.065	ug/L	1		8270C SIM	Total/NA
Mercury	0.00203		0.000200	0.000124	mg/L	1		245.1	Total/NA
Arsenic	0.230		0.200	0.0398	mg/L	2		6010B	Total Recoverable
Barium	1.46		0.0200	0.00222	mg/L	2		6010B	Total Recoverable
Chromium	0.0424	J	0.100	0.00592	mg/L	2		6010B	Total Recoverable
Lead	0.0284	J	0.100	0.0105	mg/L	2		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	538		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	579		10.0	8.70	mg/L	1		SM 2540C	Total/NA

Client Sample ID: W-MW-30 — Lab Sample ID: 570-122296-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0564	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	166		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	725		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	182		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-29 — Lab Sample ID: 570-122296-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0431	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	178		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	734		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	164		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-28 — Lab Sample ID: 570-122296-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0496	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00370	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	154		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1250		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	189		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-27 — Lab Sample ID: 570-122296-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0518	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	169		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1140		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	289		4.00	1.19	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-17 — Lab Sample ID: 570-122296-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	78		10	2.8	ug/L	20		8260B	Total/NA
Ethylbenzene	710		10	3.3	ug/L	20		8260B	Total/NA
m,p-Xylene	18	J	20	7.9	ug/L	20		8260B	Total/NA
Xylenes, Total	18	J	20	7.9	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	31		10	4.5	ug/L	20		8260B	Total/NA
Isopropylbenzene	43		10	4.2	ug/L	20		8260B	Total/NA
Naphthalene	82		20	11	ug/L	20		8260B	Total/NA
sec-Butylbenzene	5.3	J	10	3.9	ug/L	20		8260B	Total/NA
Fluorene	1.5	J	1.9	0.71	ug/L	10		8270C SIM	Total/NA
1-Methylnaphthalene	45		1.9	0.70	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene	53		1.9	0.74	ug/L	10		8270C SIM	Total/NA
Naphthalene	86		1.9	0.79	ug/L	10		8270C SIM	Total/NA
Phenanthrene	1.1	J	1.9	0.70	ug/L	10		8270C SIM	Total/NA
Arsenic	0.0262	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	12.0		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	1020		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1080		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	4.43		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-32 — Lab Sample ID: 570-122296-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.79		0.50	0.14	ug/L	1		8260B	Total/NA
Ethylbenzene	0.32	J	0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.22	J	0.50	0.22	ug/L	1		8260B	Total/NA
Acetone	5.9	J	8.0	3.6	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.6		0.50	0.20	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.2		0.50	0.21	ug/L	1		8260B	Total/NA
Fluorene	0.55		0.19	0.071	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	1.3		0.19	0.069	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.91		0.19	0.073	ug/L	1		8270C SIM	Total/NA
Naphthalene	1.5		0.19	0.078	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.12	J	0.19	0.069	ug/L	1		8270C SIM	Total/NA
Arsenic	0.0212	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.237	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00780	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	511		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	641		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	27.9		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: Trip Blank — Lab Sample ID: 570-122296-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-6

Date Collected: 12/29/22 07:30
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.28	ug/L			01/04/23 16:31	2
Toluene	ND		1.0	0.28	ug/L			01/04/23 16:31	2
Ethylbenzene	ND		1.0	0.33	ug/L			01/04/23 16:31	2
o-Xylene	ND		1.0	0.36	ug/L			01/04/23 16:31	2
m,p-Xylene	ND		2.0	0.79	ug/L			01/04/23 16:31	2
Xylenes, Total	ND		2.0	0.79	ug/L			01/04/23 16:31	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.28	ug/L			01/04/23 16:31	2
1,1,1,2-Tetrachloroethane	ND		1.0	0.40	ug/L			01/04/23 16:31	2
1,1,1-Trichloroethane	ND		1.0	0.40	ug/L			01/04/23 16:31	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.27	ug/L			01/04/23 16:31	2
1,1,2-Trichloroethane	ND		1.0	0.36	ug/L			01/04/23 16:31	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.50	ug/L			01/04/23 16:31	2
1,1-Dichloroethane	ND		1.0	0.42	ug/L			01/04/23 16:31	2
1,1-Dichloroethene	ND		1.0	0.42	ug/L			01/04/23 16:31	2
1,1-Dichloropropene	ND		1.0	0.32	ug/L			01/04/23 16:31	2
1,2,3-Trichlorobenzene	ND		1.0	0.52	ug/L			01/04/23 16:31	2
1,2,3-Trichloropropane	ND		1.0	0.62	ug/L			01/04/23 16:31	2
1,2,4-Trichlorobenzene	ND		1.0	0.52	ug/L			01/04/23 16:31	2
1,2,4-Trimethylbenzene	**41**		1.0	0.45	ug/L			01/04/23 16:31	2
1,3,5-Trimethylbenzene	**45**		1.0	0.37	ug/L			01/04/23 16:31	2
c-1,2-Dichloroethene	ND		1.0	0.31	ug/L			01/04/23 16:31	2
1,2-Dibromo-3-Chloropropane	ND		2.0	1.7	ug/L			01/04/23 16:31	2
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			01/04/23 16:31	2
1,2-Dichloroethane	ND		1.0	0.27	ug/L			01/04/23 16:31	2
1,2-Dichloropropane	ND		1.0	0.29	ug/L			01/04/23 16:31	2
t-1,2-Dichloroethene	ND		1.0	0.44	ug/L			01/04/23 16:31	2
c-1,3-Dichloropropene	ND		1.0	0.31	ug/L			01/04/23 16:31	2
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			01/04/23 16:31	2
1,3-Dichloropropane	ND		1.0	0.38	ug/L			01/04/23 16:31	2
t-1,3-Dichloropropene	ND		1.0	0.42	ug/L			01/04/23 16:31	2
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			01/04/23 16:31	2
2,2-Dichloropropane	ND		1.0	0.51	ug/L			01/04/23 16:31	2
2-Chlorotoluene	ND		1.0	0.46	ug/L			01/04/23 16:31	2
4-Chlorotoluene	ND		1.0	0.48	ug/L			01/04/23 16:31	2
4-Methyl-2-pentanone	ND		10	3.3	ug/L			01/04/23 16:31	2
Acetone	ND		16	7.1	ug/L			01/04/23 16:31	2
Bromobenzene	ND		1.0	0.28	ug/L			01/04/23 16:31	2
Bromochloromethane	ND		2.0	0.55	ug/L			01/04/23 16:31	2
Bromoform	ND		1.0	0.57	ug/L			01/04/23 16:31	2
Bromomethane	ND		4.0	3.7	ug/L			01/04/23 16:31	2
Carbon disulfide	ND		2.0	0.65	ug/L			01/04/23 16:31	2
Carbon tetrachloride	ND		1.0	0.54	ug/L			01/04/23 16:31	2
Chlorobenzene	ND		1.0	0.24	ug/L			01/04/23 16:31	2
Dibromochloromethane	ND		1.0	0.42	ug/L			01/04/23 16:31	2
Chloroethane	ND		1.0	0.75	ug/L			01/04/23 16:31	2
Chloroform	ND		1.0	0.34	ug/L			01/04/23 16:31	2
Chloromethane	ND		2.0	1.3	ug/L			01/04/23 16:31	2
Dibromomethane	ND		1.0	0.32	ug/L			01/04/23 16:31	2
Bromodichloromethane	ND		1.0	0.31	ug/L			01/04/23 16:31	2

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-6
Date Collected: 12/29/22 07:30
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	1.0	ug/L			01/04/23 16:31	2
1,2-Dibromoethane	ND		1.0	0.53	ug/L			01/04/23 16:31	2
Hexachloro-1,3-butadiene	ND		2.0	0.53	ug/L			01/04/23 16:31	2
Isopropylbenzene	ND		1.0	0.42	ug/L			01/04/23 16:31	2
2-Butanone	ND		10	5.7	ug/L			01/04/23 16:31	2
Methylene Chloride	ND		2.0	0.81	ug/L			01/04/23 16:31	2
2-Hexanone	ND		12	4.1	ug/L			01/04/23 16:31	2
Naphthalene	ND		2.0	1.1	ug/L			01/04/23 16:31	2
n-Butylbenzene	**9.3**		1.0	0.48	ug/L			01/04/23 16:31	2
N-Propylbenzene	ND		1.0	0.35	ug/L			01/04/23 16:31	2
p-Isopropyltoluene	**7.2**		1.0	0.40	ug/L			01/04/23 16:31	2
sec-Butylbenzene	**6.5**		1.0	0.39	ug/L			01/04/23 16:31	2
Styrene	ND		1.0	0.55	ug/L			01/04/23 16:31	2
tert-Butylbenzene	ND		1.0	0.41	ug/L			01/04/23 16:31	2
Tetrachloroethene	ND		1.0	0.31	ug/L			01/04/23 16:31	2
Trichloroethene	ND		1.0	0.31	ug/L			01/04/23 16:31	2
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/04/23 16:31	2
Vinyl chloride	ND		1.0	0.45	ug/L			01/04/23 16:31	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*		*01/04/23 16:31*	*2*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*01/04/23 16:31*	*2*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*01/04/23 16:31*	*2*
Toluene-d8 (Surr)	*109*		*80 - 120*		*01/04/23 16:31*	*2*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.5**		0.20	0.095	ug/L		12/30/22 13:42	01/06/23 12:50	1
Acenaphthylene	ND		0.20	0.068	ug/L		12/30/22 13:42	01/06/23 12:50	1
Anthracene	ND		0.20	0.058	ug/L		12/30/22 13:42	01/06/23 12:50	1
Benzo[a]anthracene	**0.15**	**J**	0.20	0.084	ug/L		12/30/22 13:42	01/06/23 12:50	1
Benzo[a]pyrene	ND		0.20	0.061	ug/L		12/30/22 13:42	01/06/23 12:50	1
Benzo[b]fluoranthene	**0.15**	**J**	0.20	0.12	ug/L		12/30/22 13:42	01/06/23 12:50	1
Benzo[g,h,i]perylene	ND		0.20	0.099	ug/L		12/30/22 13:42	01/06/23 12:50	1
Benzo[k]fluoranthene	ND		0.20	0.092	ug/L		12/30/22 13:42	01/06/23 12:50	1
Chrysene	**1.4**		0.20	0.058	ug/L		12/30/22 13:42	01/06/23 12:50	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 12:50	1
Fluoranthene	ND		0.20	0.067	ug/L		12/30/22 13:42	01/06/23 12:50	1
Fluorene	**2.9**		0.20	0.074	ug/L		12/30/22 13:42	01/06/23 12:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		12/30/22 13:42	01/06/23 12:50	1
1-Methylnaphthalene	**2.9**		0.20	0.072	ug/L		12/30/22 13:42	01/06/23 12:50	1
2-Methylnaphthalene	**0.43**		0.20	0.076	ug/L		12/30/22 13:42	01/06/23 12:50	1
Naphthalene	ND		0.20	0.081	ug/L		12/30/22 13:42	01/06/23 12:50	1
Phenanthrene	**4.1**		0.20	0.072	ug/L		12/30/22 13:42	01/06/23 12:50	1
Pyrene	**0.43**		0.20	0.065	ug/L		12/30/22 13:42	01/06/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*108*		*33 - 144*	*12/30/22 13:42*	*01/06/23 12:50*	*1*
Nitrobenzene-d5 (Surr)	*92*		*28 - 139*	*12/30/22 13:42*	*01/06/23 12:50*	*1*
p-Terphenyl-d14 (Surr)	*112*		*23 - 160*	*12/30/22 13:42*	*01/06/23 12:50*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-6

Date Collected: 12/29/22 07:30
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-1
Matrix: Water

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00203**		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 18:55	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.230**		0.200	0.0398	mg/L		01/04/23 06:14	01/04/23 17:00	2
Barium	**1.46**		0.0200	0.00222	mg/L		01/04/23 06:14	01/04/23 17:00	2
Cadmium	ND		0.0200	0.00124	mg/L		01/04/23 06:14	01/04/23 17:00	2
Chromium	**0.0424**	**J**	0.100	0.00592	mg/L		01/04/23 06:14	01/04/23 17:00	2
Lead	**0.0284**	**J**	0.100	0.0105	mg/L		01/04/23 06:14	01/04/23 17:00	2
Selenium	ND		0.100	0.0325	mg/L		01/04/23 06:14	01/04/23 17:00	2
Silver	ND		0.0200	0.00518	mg/L		01/04/23 06:14	01/04/23 17:00	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**538**		5.00	2.18	mg/L			01/05/23 19:24	1
Total Dissolved Solids (SM 2540C)	**579**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	ND		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-30

Date Collected: 12/29/22 08:17
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 14:01	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 14:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 14:01	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 14:01	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 14:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 14:01	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 14:01	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 14:01	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 14:01	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 14:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:01	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 14:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:01	1
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 14:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 14:01	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 14:01	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 14:01	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 14:01	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 14:01	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 14:01	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 14:01	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 14:01	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 14:01	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 14:01	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 14:01	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-30
Date Collected: 12/29/22 08:17
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 14:01	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 14:01	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 14:01	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 14:01	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 14:01	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 14:01	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 14:01	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 14:01	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 14:01	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 14:01	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 14:01	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 14:01	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 14:01	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 14:01	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 14:01	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 14:01	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 14:01	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 14:01	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 14:01	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 14:01	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:01	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 14:01	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 14:01	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 14:01	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 14:01	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 14:01	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 14:01	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 14:01	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 14:01	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 14:01	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:01	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 14:01	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 14:01	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 14:01	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*01/03/23 14:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*		*01/03/23 14:01*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*01/03/23 14:01*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/03/23 14:01*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.16	ug/L			01/04/23 14:20	1
o-Xylene	ND		0.50	0.18	ug/L			01/04/23 14:20	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/04/23 14:20	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/04/23 14:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/04/23 14:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 14:20	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-30
Date Collected: 12/29/22 08:17
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 132		01/04/23 14:20	1
4-Bromofluorobenzene (Surr)	94		76 - 120		01/04/23 14:20	1
Dibromofluoromethane (Surr)	104		80 - 120		01/04/23 14:20	1
Toluene-d8 (Surr)	105		80 - 120		01/04/23 14:20	1

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/30/22 13:42	01/06/23 13:12	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/30/22 13:42	01/06/23 13:12	1
Anthracene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 13:12	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		12/30/22 13:42	01/06/23 13:12	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/30/22 13:42	01/06/23 13:12	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/30/22 13:42	01/06/23 13:12	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/30/22 13:42	01/06/23 13:12	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/30/22 13:42	01/06/23 13:12	1
Chrysene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 13:12	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 13:12	1
Fluoranthene	ND		0.20	0.067	ug/L		12/30/22 13:42	01/06/23 13:12	1
Fluorene	ND		0.20	0.075	ug/L		12/30/22 13:42	01/06/23 13:12	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 13:12	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 13:12	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/30/22 13:42	01/06/23 13:12	1
Naphthalene	ND		0.20	0.082	ug/L		12/30/22 13:42	01/06/23 13:12	1
Phenanthrene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 13:12	1
Pyrene	ND		0.20	0.066	ug/L		12/30/22 13:42	01/06/23 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	103		33 - 144	12/30/22 13:42	01/06/23 13:12	1
Nitrobenzene-d5 (Surr)	112		28 - 139	12/30/22 13:42	01/06/23 13:12	1
p-Terphenyl-d14 (Surr)	106		23 - 160	12/30/22 13:42	01/06/23 13:12	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 18:57	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:35	1
Barium	**0.0564**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:35	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:35	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:35	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:35	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:35	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**166**		5.00	2.18	mg/L			01/05/23 19:30	1
Total Dissolved Solids (SM 2540C)	**725**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	**182**		2.00	0.596	mg/L			01/13/23 16:47	1

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-29

Date Collected: 12/29/22 08:52
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 14:25	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 14:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 14:25	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 14:25	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 14:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 14:25	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 14:25	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 14:25	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 14:25	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 14:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:25	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 14:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:25	1
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 14:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 14:25	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 14:25	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 14:25	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 14:25	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 14:25	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 14:25	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 14:25	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 14:25	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 14:25	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 14:25	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 14:25	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 14:25	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 14:25	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 14:25	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 14:25	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 14:25	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 14:25	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 14:25	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 14:25	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 14:25	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 14:25	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 14:25	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 14:25	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 14:25	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 14:25	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 14:25	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 14:25	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 14:25	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 14:25	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 14:25	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 14:25	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:25	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 14:25	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 14:25	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-29
Date Collected: 12/29/22 08:52
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 14:25	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 14:25	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 14:25	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 14:25	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 14:25	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 14:25	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 14:25	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:25	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 14:25	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 14:25	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 14:25	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*01/03/23 14:25*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*01/03/23 14:25*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*01/03/23 14:25*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/03/23 14:25*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.16	ug/L			01/04/23 14:42	1
o-Xylene	ND		0.50	0.18	ug/L			01/04/23 14:42	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/04/23 14:42	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/04/23 14:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/04/23 14:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*		*01/04/23 14:42*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*01/04/23 14:42*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*01/04/23 14:42*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/04/23 14:42*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/30/22 13:42	01/06/23 13:34	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/30/22 13:42	01/06/23 13:34	1
Anthracene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 13:34	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/30/22 13:42	01/06/23 13:34	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/30/22 13:42	01/06/23 13:34	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/30/22 13:42	01/06/23 13:34	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/30/22 13:42	01/06/23 13:34	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/30/22 13:42	01/06/23 13:34	1
Chrysene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 13:34	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 13:34	1
Fluoranthene	ND		0.20	0.068	ug/L		12/30/22 13:42	01/06/23 13:34	1
Fluorene	ND		0.20	0.075	ug/L		12/30/22 13:42	01/06/23 13:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 13:34	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 13:34	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-29

Date Collected: 12/29/22 08:52
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-3
Matrix: Water

Method: SW846 8270C SIM - PAHs (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/30/22 13:42	01/06/23 13:34	1
Naphthalene	ND		0.20	0.083	ug/L		12/30/22 13:42	01/06/23 13:34	1
Phenanthrene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 13:34	1
Pyrene	ND		0.20	0.066	ug/L		12/30/22 13:42	01/06/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*33 - 144*	*12/30/22 13:42*	*01/06/23 13:34*	*1*
Nitrobenzene-d5 (Surr)	*94*		*28 - 139*	*12/30/22 13:42*	*01/06/23 13:34*	*1*
p-Terphenyl-d14 (Surr)	*96*		*23 - 160*	*12/30/22 13:42*	*01/06/23 13:34*	*1*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 18:58	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:38	1
Barium	**0.0431**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:38	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:38	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:38	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:38	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:38	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**178**		5.00	2.18	mg/L			01/05/23 19:36	1
Total Dissolved Solids (SM 2540C)	**734**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	**164**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-28

Date Collected: 12/29/22 09:29
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 14:49	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 14:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 14:49	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 14:49	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 14:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 14:49	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 14:49	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 14:49	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 14:49	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 14:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:49	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 14:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 14:49	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-28

Date Collected: 12/29/22 09:29
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 14:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 14:49	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 14:49	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 14:49	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 14:49	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 14:49	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 14:49	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 14:49	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 14:49	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 14:49	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 14:49	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 14:49	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 14:49	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 14:49	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 14:49	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 14:49	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 14:49	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 14:49	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 14:49	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 14:49	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 14:49	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 14:49	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 14:49	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 14:49	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 14:49	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 14:49	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 14:49	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 14:49	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 14:49	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 14:49	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 14:49	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 14:49	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:49	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 14:49	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 14:49	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 14:49	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 14:49	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 14:49	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 14:49	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 14:49	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 14:49	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 14:49	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 14:49	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 14:49	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 14:49	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 14:49	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*01/03/23 14:49*	*1*

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-28
Date Collected: 12/29/22 09:29
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		76 - 120		01/03/23 14:49	1
Dibromofluoromethane (Surr)	95		80 - 120		01/03/23 14:49	1
Toluene-d8 (Surr)	99		80 - 120		01/03/23 14:49	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.16	ug/L			01/04/23 15:04	1
o-Xylene	ND		0.50	0.18	ug/L			01/04/23 15:04	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/04/23 15:04	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/04/23 15:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/04/23 15:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 132		01/04/23 15:04	1
4-Bromofluorobenzene (Surr)	97		76 - 120		01/04/23 15:04	1
Dibromofluoromethane (Surr)	103		80 - 120		01/04/23 15:04	1
Toluene-d8 (Surr)	103		80 - 120		01/04/23 15:04	1

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		12/30/22 13:42	01/06/23 13:56	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/30/22 13:42	01/06/23 13:56	1
Anthracene	ND		0.19	0.056	ug/L		12/30/22 13:42	01/06/23 13:56	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/30/22 13:42	01/06/23 13:56	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/30/22 13:42	01/06/23 13:56	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/30/22 13:42	01/06/23 13:56	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		12/30/22 13:42	01/06/23 13:56	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/30/22 13:42	01/06/23 13:56	1
Chrysene	ND		0.19	0.056	ug/L		12/30/22 13:42	01/06/23 13:56	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/30/22 13:42	01/06/23 13:56	1
Fluoranthene	ND		0.19	0.064	ug/L		12/30/22 13:42	01/06/23 13:56	1
Fluorene	ND		0.19	0.071	ug/L		12/30/22 13:42	01/06/23 13:56	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/30/22 13:42	01/06/23 13:56	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		12/30/22 13:42	01/06/23 13:56	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/30/22 13:42	01/06/23 13:56	1
Naphthalene	ND		0.19	0.078	ug/L		12/30/22 13:42	01/06/23 13:56	1
Phenanthrene	ND		0.19	0.069	ug/L		12/30/22 13:42	01/06/23 13:56	1
Pyrene	ND		0.19	0.062	ug/L		12/30/22 13:42	01/06/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		33 - 144	12/30/22 13:42	01/06/23 13:56	1
Nitrobenzene-d5 (Surr)	100		28 - 139	12/30/22 13:42	01/06/23 13:56	1
p-Terphenyl-d14 (Surr)	100		23 - 160	12/30/22 13:42	01/06/23 13:56	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:04	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-28

Lab Sample ID: 570-122296-4
Date Collected: 12/29/22 09:29
Matrix: Water
Date Received: 12/30/22 09:45

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:40	1
Barium	**0.0496**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:40	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:40	1
Chromium	**0.00370**	**J**	0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:40	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:40	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:40	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**154**		5.00	2.18	mg/L			01/05/23 19:43	1
Total Dissolved Solids (SM 2540C)	**1250**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	**189**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-27

Lab Sample ID: 570-122296-5
Date Collected: 12/29/22 10:10
Matrix: Water
Date Received: 12/30/22 09:45

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 15:12	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 15:12	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 15:12	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 15:12	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 15:12	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 15:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 15:12	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 15:12	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 15:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 15:12	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 15:12	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 15:12	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 15:12	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 15:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 15:12	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 15:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 15:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 15:12	1
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 15:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 15:12	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 15:12	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 15:12	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 15:12	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 15:12	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 15:12	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 15:12	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 15:12	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 15:12	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-27
Date Collected: 12/29/22 10:10
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 15:12	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 15:12	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 15:12	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 15:12	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 15:12	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 15:12	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 15:12	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 15:12	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 15:12	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 15:12	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 15:12	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 15:12	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 15:12	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 15:12	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 15:12	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 15:12	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 15:12	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 15:12	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 15:12	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 15:12	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 15:12	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 15:12	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 15:12	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 15:12	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 15:12	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 15:12	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 15:12	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 15:12	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 15:12	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 15:12	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 15:12	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 15:12	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 15:12	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 15:12	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 15:12	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 15:12	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*01/03/23 15:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*01/03/23 15:12*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/03/23 15:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/03/23 15:12*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*01/04/23 15:25*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-27
Date Collected: 12/29/22 10:10
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*		*01/04/23 15:25*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/04/23 15:25*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/04/23 15:25*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/30/22 13:42	01/06/23 14:18	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/30/22 13:42	01/06/23 14:18	1
Anthracene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 14:18	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		12/30/22 13:42	01/06/23 14:18	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/30/22 13:42	01/06/23 14:18	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/30/22 13:42	01/06/23 14:18	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/30/22 13:42	01/06/23 14:18	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/30/22 13:42	01/06/23 14:18	1
Chrysene	ND		0.20	0.059	ug/L		12/30/22 13:42	01/06/23 14:18	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 14:18	1
Fluoranthene	ND		0.20	0.067	ug/L		12/30/22 13:42	01/06/23 14:18	1
Fluorene	ND		0.20	0.075	ug/L		12/30/22 13:42	01/06/23 14:18	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/30/22 13:42	01/06/23 14:18	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 14:18	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/30/22 13:42	01/06/23 14:18	1
Naphthalene	ND		0.20	0.082	ug/L		12/30/22 13:42	01/06/23 14:18	1
Phenanthrene	ND		0.20	0.073	ug/L		12/30/22 13:42	01/06/23 14:18	1
Pyrene	ND		0.20	0.066	ug/L		12/30/22 13:42	01/06/23 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*	*12/30/22 13:42*	*01/06/23 14:18*	*1*
Nitrobenzene-d5 (Surr)	*94*		*28 - 139*	*12/30/22 13:42*	*01/06/23 14:18*	*1*
p-Terphenyl-d14 (Surr)	*92*		*23 - 160*	*12/30/22 13:42*	*01/06/23 14:18*	*1*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:06	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:43	1
Barium	**0.0518**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:43	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:43	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:43	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:43	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:43	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**169**		5.00	2.18	mg/L			01/05/23 19:49	1
Total Dissolved Solids (SM 2540C)	**1140**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	**289**		4.00	1.19	mg/L			01/13/23 16:47	1

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-17

Date Collected: 12/29/22 11:47
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**78**		10	2.8	ug/L			01/03/23 15:37	20
Toluene	ND		10	2.8	ug/L			01/03/23 15:37	20
Ethylbenzene	**710**		10	3.3	ug/L			01/03/23 15:37	20
o-Xylene	ND		10	3.6	ug/L			01/03/23 15:37	20
m,p-Xylene	**18**	**J**	20	7.9	ug/L			01/03/23 15:37	20
Xylenes, Total	**18**	**J**	20	7.9	ug/L			01/03/23 15:37	20
Methyl-t-Butyl Ether (MTBE)	ND		10	2.8	ug/L			01/03/23 15:37	20
1,1,1,2-Tetrachloroethane	ND		10	4.0	ug/L			01/03/23 15:37	20
1,1,1-Trichloroethane	ND		10	4.0	ug/L			01/03/23 15:37	20
1,1,2,2-Tetrachloroethane	ND		10	2.7	ug/L			01/03/23 15:37	20
1,1,2-Trichloroethane	ND		10	3.6	ug/L			01/03/23 15:37	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	5.0	ug/L			01/03/23 15:37	20
1,1-Dichloroethane	ND		10	4.2	ug/L			01/03/23 15:37	20
1,1-Dichloroethene	ND		10	4.2	ug/L			01/03/23 15:37	20
1,1-Dichloropropene	ND		10	3.2	ug/L			01/03/23 15:37	20
1,2,3-Trichlorobenzene	ND		10	5.2	ug/L			01/03/23 15:37	20
1,2,3-Trichloropropane	ND		10	6.2	ug/L			01/03/23 15:37	20
1,2,4-Trichlorobenzene	ND		10	5.2	ug/L			01/03/23 15:37	20
1,2,4-Trimethylbenzene	**31**		10	4.5	ug/L			01/03/23 15:37	20
c-1,2-Dichloroethene	ND	*1	10	3.1	ug/L			01/03/23 15:37	20
1,2-Dibromo-3-Chloropropane	ND		20	17	ug/L			01/03/23 15:37	20
1,2-Dichlorobenzene	ND		10	2.8	ug/L			01/03/23 15:37	20
1,2-Dichloroethane	ND		10	2.7	ug/L			01/03/23 15:37	20
1,2-Dichloropropane	ND		10	2.9	ug/L			01/03/23 15:37	20
t-1,2-Dichloroethene	ND		10	4.4	ug/L			01/03/23 15:37	20
c-1,3-Dichloropropene	ND		10	3.1	ug/L			01/03/23 15:37	20
1,3-Dichlorobenzene	ND		10	3.2	ug/L			01/03/23 15:37	20
1,3-Dichloropropane	ND		10	3.8	ug/L			01/03/23 15:37	20
t-1,3-Dichloropropene	ND		10	4.2	ug/L			01/03/23 15:37	20
1,4-Dichlorobenzene	ND		10	2.3	ug/L			01/03/23 15:37	20
2,2-Dichloropropane	ND	*1	10	5.1	ug/L			01/03/23 15:37	20
2-Chlorotoluene	ND		10	4.6	ug/L			01/03/23 15:37	20
4-Chlorotoluene	ND		10	4.8	ug/L			01/03/23 15:37	20
4-Methyl-2-pentanone	ND		100	33	ug/L			01/03/23 15:37	20
Acetone	ND		160	71	ug/L			01/03/23 15:37	20
Bromobenzene	ND		10	2.8	ug/L			01/03/23 15:37	20
Bromochloromethane	ND		20	5.5	ug/L			01/03/23 15:37	20
Bromoform	ND		10	5.7	ug/L			01/03/23 15:37	20
Bromomethane	ND		40	37	ug/L			01/03/23 15:37	20
Carbon disulfide	ND		20	6.5	ug/L			01/03/23 15:37	20
Carbon tetrachloride	ND		10	5.4	ug/L			01/03/23 15:37	20
Chlorobenzene	ND		10	2.4	ug/L			01/03/23 15:37	20
Dibromochloromethane	ND		10	4.2	ug/L			01/03/23 15:37	20
Chloroethane	ND		10	7.5	ug/L			01/03/23 15:37	20
Chloroform	ND		10	3.4	ug/L			01/03/23 15:37	20
Chloromethane	ND		20	13	ug/L			01/03/23 15:37	20
Dibromomethane	ND		10	3.2	ug/L			01/03/23 15:37	20
Bromodichloromethane	ND		10	3.1	ug/L			01/03/23 15:37	20
Dichlorodifluoromethane	ND		20	10	ug/L			01/03/23 15:37	20

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-17
Date Collected: 12/29/22 11:47
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		10	5.3	ug/L			01/03/23 15:37	20
Hexachloro-1,3-butadiene	ND		20	5.3	ug/L			01/03/23 15:37	20
Isopropylbenzene	**43**		10	4.2	ug/L			01/03/23 15:37	20
2-Butanone	ND	*1	100	57	ug/L			01/03/23 15:37	20
Methylene Chloride	ND		20	8.1	ug/L			01/03/23 15:37	20
2-Hexanone	ND		120	41	ug/L			01/03/23 15:37	20
Naphthalene	**82**		20	11	ug/L			01/03/23 15:37	20
n-Butylbenzene	ND		10	4.8	ug/L			01/03/23 15:37	20
N-Propylbenzene	ND		10	3.5	ug/L			01/03/23 15:37	20
p-Isopropyltoluene	ND		10	4.0	ug/L			01/03/23 15:37	20
sec-Butylbenzene	**5.3**	**J**	10	3.9	ug/L			01/03/23 15:37	20
Styrene	ND		10	5.5	ug/L			01/03/23 15:37	20
tert-Butylbenzene	ND		10	4.1	ug/L			01/03/23 15:37	20
Tetrachloroethene	ND		10	3.1	ug/L			01/03/23 15:37	20
Trichloroethene	ND		10	3.1	ug/L			01/03/23 15:37	20
Trichlorofluoromethane	ND		10	5.2	ug/L			01/03/23 15:37	20
Vinyl chloride	ND		10	4.5	ug/L			01/03/23 15:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*01/03/23 15:37*	*20*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*		*01/03/23 15:37*	*20*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*01/03/23 15:37*	*20*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/03/23 15:37*	*20*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		10	3.7	ug/L			01/04/23 16:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*		*01/04/23 16:09*	*20*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*		*01/04/23 16:09*	*20*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*01/04/23 16:09*	*20*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/04/23 16:09*	*20*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.93	ug/L		12/30/22 13:42	01/06/23 14:40	10
Acenaphthylene	ND		1.9	0.66	ug/L		12/30/22 13:42	01/06/23 14:40	10
Anthracene	ND		1.9	0.56	ug/L		12/30/22 13:42	01/06/23 14:40	10
Benzo[a]anthracene	ND		1.9	0.82	ug/L		12/30/22 13:42	01/06/23 14:40	10
Benzo[a]pyrene	ND		1.9	0.60	ug/L		12/30/22 13:42	01/06/23 14:40	10
Benzo[b]fluoranthene	ND		1.9	1.1	ug/L		12/30/22 13:42	01/06/23 14:40	10
Benzo[g,h,i]perylene	ND		1.9	0.96	ug/L		12/30/22 13:42	01/06/23 14:40	10
Benzo[k]fluoranthene	ND		1.9	0.89	ug/L		12/30/22 13:42	01/06/23 14:40	10
Chrysene	ND		1.9	0.56	ug/L		12/30/22 13:42	01/06/23 14:40	10
Dibenz(a,h)anthracene	ND		1.9	1.1	ug/L		12/30/22 13:42	01/06/23 14:40	10
Fluoranthene	ND		1.9	0.65	ug/L		12/30/22 13:42	01/06/23 14:40	10
Fluorene	**1.5**	**J**	1.9	0.71	ug/L		12/30/22 13:42	01/06/23 14:40	10
Indeno[1,2,3-cd]pyrene	ND		1.9	1.0	ug/L		12/30/22 13:42	01/06/23 14:40	10
1-Methylnaphthalene	**45**		1.9	0.70	ug/L		12/30/22 13:42	01/06/23 14:40	10

Client Sample Results

Client: Cardno, Inc
Job ID: 570-122296-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-MW-17
Lab Sample ID: 570-122296-6
Date Collected: 12/29/22 11:47
Matrix: Water
Date Received: 12/30/22 09:45

Method: SW846 8270C SIM - PAHs (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	53		1.9	0.74	ug/L		12/30/22 13:42	01/06/23 14:40	10
Naphthalene	86		1.9	0.79	ug/L		12/30/22 13:42	01/06/23 14:40	10
Phenanthrene	1.1	J	1.9	0.70	ug/L		12/30/22 13:42	01/06/23 14:40	10
Pyrene	ND		1.9	0.63	ug/L		12/30/22 13:42	01/06/23 14:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*120*		*33 - 144*	*12/30/22 13:42*	*01/06/23 14:40*	*10*
Nitrobenzene-d5 (Surr)	*126*		*28 - 139*	*12/30/22 13:42*	*01/06/23 14:40*	*10*
p-Terphenyl-d14 (Surr)	*116*		*23 - 160*	*12/30/22 13:42*	*01/06/23 14:40*	*10*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:08	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0262	J	0.100	0.0199	mg/L		01/04/23 06:14	01/04/23 16:15	1
Barium	12.0		0.0100	0.00111	mg/L		01/04/23 06:14	01/04/23 16:15	1
Cadmium	ND		0.0100	0.000620	mg/L		01/04/23 06:14	01/04/23 16:15	1
Chromium	ND		0.0500	0.00296	mg/L		01/04/23 06:14	01/04/23 16:15	1
Lead	ND		0.0500	0.00527	mg/L		01/04/23 06:14	01/04/23 16:15	1
Selenium	ND		0.0500	0.0162	mg/L		01/04/23 06:14	01/04/23 16:15	1
Silver	ND		0.0100	0.00259	mg/L		01/04/23 06:14	01/04/23 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	1020		5.00	2.18	mg/L			01/05/23 19:57	1
Total Dissolved Solids (SM 2540C)	1080		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	4.43		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-32
Lab Sample ID: 570-122296-7
Date Collected: 12/29/22 12:14
Matrix: Water
Date Received: 12/30/22 09:45

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.79		0.50	0.14	ug/L			01/03/23 16:00	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 16:00	1
Ethylbenzene	0.32	J	0.50	0.16	ug/L			01/03/23 16:00	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 16:00	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 16:00	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 16:00	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 16:00	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 16:00	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 16:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 16:00	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 16:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 16:00	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 16:00	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 16:00	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-32

Date Collected: 12/29/22 12:14
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 16:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 16:00	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 16:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 16:00	1
1,2,4-Trimethylbenzene	**0.22**	**J**	0.50	0.22	ug/L			01/03/23 16:00	1
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 16:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 16:00	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 16:00	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 16:00	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 16:00	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 16:00	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 16:00	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 16:00	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 16:00	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 16:00	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 16:00	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 16:00	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 16:00	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 16:00	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 16:00	1
Acetone	**5.9**	**J**	8.0	3.6	ug/L			01/03/23 16:00	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 16:00	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 16:00	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 16:00	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 16:00	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 16:00	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 16:00	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 16:00	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 16:00	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 16:00	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 16:00	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 16:00	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 16:00	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 16:00	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 16:00	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 16:00	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 16:00	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 16:00	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 16:00	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 16:00	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 16:00	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 16:00	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 16:00	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 16:00	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 16:00	1
sec-Butylbenzene	**1.6**		0.50	0.20	ug/L			01/03/23 16:00	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 16:00	1
tert-Butylbenzene	**1.2**		0.50	0.21	ug/L			01/03/23 16:00	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 16:00	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-32
Date Collected: 12/29/22 12:14
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 16:00	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 16:00	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 132*		*01/03/23 16:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*		*01/03/23 16:00*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/03/23 16:00*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/03/23 16:00*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*01/04/23 15:47*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*		*01/04/23 15:47*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*01/04/23 15:47*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/04/23 15:47*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		12/30/22 13:42	01/06/23 15:02	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/30/22 13:42	01/06/23 15:02	1
Anthracene	ND		0.19	0.056	ug/L		12/30/22 13:42	01/06/23 15:02	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/30/22 13:42	01/06/23 15:02	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/30/22 13:42	01/06/23 15:02	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/30/22 13:42	01/06/23 15:02	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/30/22 13:42	01/06/23 15:02	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/30/22 13:42	01/06/23 15:02	1
Chrysene	ND		0.19	0.056	ug/L		12/30/22 13:42	01/06/23 15:02	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/30/22 13:42	01/06/23 15:02	1
Fluoranthene	ND		0.19	0.064	ug/L		12/30/22 13:42	01/06/23 15:02	1
Fluorene	**0.55**		0.19	0.071	ug/L		12/30/22 13:42	01/06/23 15:02	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/30/22 13:42	01/06/23 15:02	1
1-Methylnaphthalene	**1.3**		0.19	0.069	ug/L		12/30/22 13:42	01/06/23 15:02	1
2-Methylnaphthalene	**0.91**		0.19	0.073	ug/L		12/30/22 13:42	01/06/23 15:02	1
Naphthalene	**1.5**		0.19	0.078	ug/L		12/30/22 13:42	01/06/23 15:02	1
Phenanthrene	**0.12**	**J**	0.19	0.069	ug/L		12/30/22 13:42	01/06/23 15:02	1
Pyrene	ND		0.19	0.063	ug/L		12/30/22 13:42	01/06/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*33 - 144*	*12/30/22 13:42*	*01/06/23 15:02*	*1*
Nitrobenzene-d5 (Surr)	*103*		*28 - 139*	*12/30/22 13:42*	*01/06/23 15:02*	*1*
p-Terphenyl-d14 (Surr)	*100*		*23 - 160*	*12/30/22 13:42*	*01/06/23 15:02*	*1*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:09	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-122296-7
Matrix: Water
Date Collected: 12/29/22 12:14
Date Received: 12/30/22 09:45

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0212**	**J**	0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:45	1
Barium	**0.237**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:45	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:45	1
Chromium	**0.00780**	**J**	0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:45	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:45	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:45	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**511**		5.00	2.18	mg/L			01/05/23 20:03	1
Total Dissolved Solids (SM 2540C)	**641**		10.0	8.70	mg/L			01/03/23 16:46	1
Chloride (SM 4500 Cl- C)	**27.9**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: Trip Blank

Lab Sample ID: 570-122296-8
Matrix: Water
Date Collected: 12/29/22 00:00
Date Received: 12/30/22 09:45

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 09:37	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 09:37	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 09:37	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 09:37	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 09:37	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 09:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 09:37	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 09:37	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 09:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 09:37	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 09:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 09:37	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 09:37	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 09:37	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 09:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 09:37	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 09:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 09:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 09:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 09:37	1
c-1,2-Dichloroethene	ND	*1	0.50	0.16	ug/L			01/03/23 09:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 09:37	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 09:37	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 09:37	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 09:37	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 09:37	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 09:37	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 09:37	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 09:37	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: Trip Blank

Date Collected: 12/29/22 00:00
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 09:37	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 09:37	1
2,2-Dichloropropane	ND	*1	0.50	0.26	ug/L			01/03/23 09:37	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 09:37	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 09:37	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 09:37	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 09:37	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 09:37	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 09:37	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 09:37	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 09:37	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 09:37	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 09:37	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 09:37	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 09:37	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 09:37	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 09:37	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 09:37	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 09:37	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 09:37	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 09:37	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 09:37	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 09:37	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 09:37	1
2-Butanone	ND	*1	5.0	2.9	ug/L			01/03/23 09:37	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 09:37	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 09:37	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 09:37	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 09:37	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 09:37	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 09:37	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 09:37	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 09:37	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 09:37	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 09:37	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 09:37	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 09:37	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*01/03/23 09:37*	*1*
4-Bromofluorobenzene (Surr)	*90*		*76 - 120*		*01/03/23 09:37*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/03/23 09:37*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/03/23 09:37*	*1*

Surrogate Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-132)	(76-120)	(80-120)	(80-120)
570-122296-1	W-MW-6	96	97	96	109
570-122296-2	W-MW-30	100	100	92	99
570-122296-2 - RA	W-MW-30	99	94	104	105
570-122296-3	W-MW-29	99	97	92	98
570-122296-3 - RA	W-MW-29	97	93	99	103
570-122296-4	W-MW-28	103	95	95	99
570-122296-4 - RA	W-MW-28	99	97	103	103
570-122296-5	W-MW-27	103	94	95	100
570-122296-5 - RA	W-MW-27	101	100	103	103
570-122296-6	W-MW-17	103	98	97	99
570-122296-6 - RA	W-MW-17	97	102	99	104
570-122296-7	W-MW-32	107	100	103	102
570-122296-7 - RA	W-MW-32	103	104	104	99
570-122296-8	Trip Blank	103	90	95	99
570-122498-A-1 MS	Matrix Spike	107	104	101	103
570-122498-A-1 MSD	Matrix Spike Duplicate	106	100	99	103
LCS 570-293172/4	Lab Control Sample	91	98	90	100
LCS 570-293590/4	Lab Control Sample	97	100	99	101
LCSD 570-293172/5	Lab Control Sample Dup	91	96	90	100
LCSD 570-293590/5	Lab Control Sample Dup	105	98	97	102
MB 570-293172/8	Method Blank	99	90	93	99
MB 570-293590/7	Method Blank	99	101	107	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-122296-1	W-MW-6	108	92	112
570-122296-2	W-MW-30	103	112	106
570-122296-3	W-MW-29	89	94	96
570-122296-4	W-MW-28	94	100	100
570-122296-5	W-MW-27	88	94	92
570-122296-6	W-MW-17	120	126	116
570-122296-7	W-MW-32	93	103	100
LCS 570-292810/2-A	Lab Control Sample	83	89	92
LCSD 570-292810/3-A	Lab Control Sample Dup	85	86	93
MB 570-292810/1-A	Method Blank	83	84	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: MB 570-293172/8
Matrix: Water
Analysis Batch: 293172

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 09:13	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 09:13	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 09:13	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 09:13	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 09:13	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 09:13	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 09:13	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 09:13	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 09:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 09:13	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 09:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 09:13	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 09:13	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 09:13	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 09:13	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 09:13	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 09:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 09:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 09:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 09:13	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 09:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 09:13	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 09:13	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 09:13	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 09:13	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 09:13	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 09:13	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 09:13	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 09:13	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 09:13	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 09:13	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 09:13	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 09:13	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 09:13	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 09:13	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 09:13	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 09:13	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 09:13	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 09:13	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 09:13	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 09:13	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 09:13	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 09:13	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 09:13	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 09:13	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 09:13	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 09:13	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 09:13	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: MB 570-293172/8
Matrix: Water
Analysis Batch: 293172

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 09:13	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 09:13	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 09:13	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 09:13	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 09:13	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 09:13	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 09:13	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 09:13	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 09:13	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 09:13	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 09:13	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 09:13	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 09:13	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 09:13	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 09:13	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 09:13	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 09:13	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 09:13	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*01/03/23 09:13*	*1*
4-Bromofluorobenzene (Surr)	*90*		*76 - 120*		*01/03/23 09:13*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*01/03/23 09:13*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/03/23 09:13*	*1*

Lab Sample ID: LCS 570-293172/4
Matrix: Water
Analysis Batch: 293172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	11.09		ug/L		111	80 - 120
Toluene	10.0	11.35		ug/L		113	80 - 120
Ethylbenzene	10.0	11.03		ug/L		110	80 - 126
o-Xylene	10.0	11.26		ug/L		113	80 - 124
m,p-Xylene	10.0	10.89		ug/L		109	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	10.86		ug/L		109	69 - 128
1,1-Dichloroethene	10.0	10.09		ug/L		101	80 - 126
1,2-Dichlorobenzene	10.0	10.57		ug/L		106	80 - 120
1,2-Dichloroethane	10.0	10.43		ug/L		104	76 - 130
Carbon tetrachloride	10.0	10.22		ug/L		102	61 - 139
Chlorobenzene	10.0	10.58		ug/L		106	80 - 120
1,2-Dibromoethane	10.0	9.909		ug/L		99	80 - 125
Hexachloro-1,3-butadiene	10.0	9.988		ug/L		100	80 - 123
Trichloroethene	10.0	10.37		ug/L		104	77 - 124
Vinyl chloride	10.0	12.49		ug/L		125	50 - 160

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: LCS 570-293172/4
Matrix: Water
Analysis Batch: 293172

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 132*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-293172/5
Matrix: Water
Analysis Batch: 293172

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
Benzene			10.0	10.63		ug/L		106	80 - 120	4	20
Toluene			10.0	10.84		ug/L		108	80 - 120	5	20
Ethylbenzene			10.0	10.43		ug/L		104	80 - 126	6	20
o-Xylene			10.0	10.66		ug/L		107	80 - 124	5	20
m,p-Xylene			10.0	10.26		ug/L		103	80 - 123	6	20
Methyl-t-Butyl Ether (MTBE)			10.0	10.85		ug/L		109	69 - 128	0	20
1,1-Dichloroethene			10.0	9.520		ug/L		95	80 - 126	6	21
1,2-Dichlorobenzene			10.0	10.32		ug/L		103	80 - 120	2	20
1,2-Dichloroethane			10.0	10.38		ug/L		104	76 - 130	1	20
Carbon tetrachloride			10.0	9.394		ug/L		94	61 - 139	8	20
Chlorobenzene			10.0	10.11		ug/L		101	80 - 120	5	20
1,2-Dibromoethane			10.0	9.757		ug/L		98	80 - 125	2	20
Hexachloro-1,3-butadiene			10.0	9.315		ug/L		93	80 - 123	7	20
Trichloroethene			10.0	9.940		ug/L		99	77 - 124	4	20
Vinyl chloride			10.0	12.01		ug/L		120	50 - 160	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 132*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-293590/7
Matrix: Water
Analysis Batch: 293590

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/04/23 12:55	1
Toluene	ND		0.50	0.14	ug/L			01/04/23 12:55	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/04/23 12:55	1
o-Xylene	ND		0.50	0.18	ug/L			01/04/23 12:55	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/04/23 12:55	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/04/23 12:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/04/23 12:55	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/04/23 12:55	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/04/23 12:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/04/23 12:55	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/04/23 12:55	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: MB 570-293590/7
Matrix: Water
Analysis Batch: 293590

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/04/23 12:55	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/04/23 12:55	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/04/23 12:55	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/04/23 12:55	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/04/23 12:55	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/04/23 12:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/04/23 12:55	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/04/23 12:55	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/04/23 12:55	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/04/23 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/04/23 12:55	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/04/23 12:55	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/04/23 12:55	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/04/23 12:55	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/04/23 12:55	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/04/23 12:55	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/04/23 12:55	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/04/23 12:55	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/04/23 12:55	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/04/23 12:55	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/04/23 12:55	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/04/23 12:55	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/04/23 12:55	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/04/23 12:55	1
Acetone	ND		8.0	3.6	ug/L			01/04/23 12:55	1
Bromobenzene	ND		0.50	0.14	ug/L			01/04/23 12:55	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/04/23 12:55	1
Bromoform	ND		0.50	0.28	ug/L			01/04/23 12:55	1
Bromomethane	ND		2.0	1.9	ug/L			01/04/23 12:55	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/04/23 12:55	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/04/23 12:55	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/04/23 12:55	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/04/23 12:55	1
Chloroethane	ND		0.50	0.38	ug/L			01/04/23 12:55	1
Chloroform	ND		0.50	0.17	ug/L			01/04/23 12:55	1
Chloromethane	ND		1.0	0.65	ug/L			01/04/23 12:55	1
Dibromomethane	ND		0.50	0.16	ug/L			01/04/23 12:55	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/04/23 12:55	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/04/23 12:55	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/04/23 12:55	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/04/23 12:55	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/04/23 12:55	1
2-Butanone	ND		5.0	2.9	ug/L			01/04/23 12:55	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/04/23 12:55	1
2-Hexanone	ND		6.0	2.0	ug/L			01/04/23 12:55	1
Naphthalene	ND		1.0	0.55	ug/L			01/04/23 12:55	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/04/23 12:55	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/04/23 12:55	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/04/23 12:55	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: MB 570-293590/7
Matrix: Water
Analysis Batch: 293590

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/04/23 12:55	1
Styrene	ND		0.50	0.27	ug/L			01/04/23 12:55	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/04/23 12:55	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/04/23 12:55	1
Trichloroethene	ND		0.50	0.15	ug/L			01/04/23 12:55	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/04/23 12:55	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/04/23 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*01/04/23 12:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*01/04/23 12:55*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*01/04/23 12:55*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/04/23 12:55*	*1*

Lab Sample ID: LCS 570-293590/4
Matrix: Water
Analysis Batch: 293590

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	10.09		ug/L		101	80 - 120
Toluene	10.0	10.20		ug/L		102	80 - 120
Ethylbenzene	10.0	10.57		ug/L		106	80 - 126
o-Xylene	10.0	10.78		ug/L		108	80 - 124
m,p-Xylene	10.0	10.60		ug/L		106	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.611		ug/L		96	69 - 128
1,1-Dichloroethene	10.0	9.593		ug/L		96	80 - 126
1,2-Dichlorobenzene	10.0	10.40		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	9.486		ug/L		95	76 - 130
Carbon tetrachloride	10.0	10.08		ug/L		101	61 - 139
Chlorobenzene	10.0	10.18		ug/L		102	80 - 120
1,2-Dibromoethane	10.0	9.972		ug/L		100	80 - 125
Hexachloro-1,3-butadiene	10.0	10.00		ug/L		100	80 - 123
Trichloroethene	10.0	10.55		ug/L		105	77 - 124
Vinyl chloride	10.0	12.18		ug/L		122	50 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-293590/5
Matrix: Water
Analysis Batch: 293590

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
Benzene	10.0	9.458		ug/L		95	80 - 120	7	20
Toluene	10.0	9.526		ug/L		95	80 - 120	7	20

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: LCSD 570-293590/5
Matrix: Water
Analysis Batch: 293590

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
Ethylbenzene			10.0	9.473		ug/L		95	80 - 126	11	20
o-Xylene			10.0	9.579		ug/L		96	80 - 124	12	20
m,p-Xylene			10.0	9.354		ug/L		94	80 - 123	12	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.607		ug/L		96	69 - 128	0	20
1,1-Dichloroethene			10.0	8.316		ug/L		83	80 - 126	14	21
1,2-Dichlorobenzene			10.0	9.858		ug/L		99	80 - 120	5	20
1,2-Dichloroethane			10.0	9.598		ug/L		96	76 - 130	1	20
Carbon tetrachloride			10.0	8.965		ug/L		90	61 - 139	12	20
Chlorobenzene			10.0	9.522		ug/L		95	80 - 120	7	20
1,2-Dibromoethane			10.0	9.448		ug/L		94	80 - 125	5	20
Hexachloro-1,3-butadiene			10.0	9.182		ug/L		92	80 - 123	9	20
Trichloroethene			10.0	9.571		ug/L		96	77 - 124	10	20
Vinyl chloride			10.0	10.46		ug/L		105	50 - 160	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 132*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 570-122498-A-1 MS
Matrix: Water
Analysis Batch: 293590

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
Benzene	ND		10.0	10.48		ug/L		105	75 - 125
Toluene	ND		10.0	10.89		ug/L		109	75 - 127
Ethylbenzene	ND		10.0	10.85		ug/L		109	73 - 135
o-Xylene	ND		10.0	10.82		ug/L		108	69 - 138
m,p-Xylene	ND		10.0	10.62		ug/L		106	73 - 138
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.840		ug/L		98	59 - 131
1,1-Dichloroethene	ND		10.0	9.926		ug/L		99	57 - 148
1,2-Dichlorobenzene	ND		10.0	10.40		ug/L		104	74 - 126
1,2-Dichloroethane	ND		10.0	10.21		ug/L		102	65 - 140
Carbon tetrachloride	ND		10.0	10.49		ug/L		105	50 - 159
Chlorobenzene	ND		10.0	10.30		ug/L		103	75 - 128
1,2-Dibromoethane	ND		10.0	10.26		ug/L		103	74 - 128
Hexachloro-1,3-butadiene	ND		10.0	10.42		ug/L		104	69 - 137
Trichloroethene	ND		10.0	10.75		ug/L		107	34 - 159
Vinyl chloride	ND		10.0	12.25		ug/L		123	51 - 168

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 132*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: 570-122498-A-1 MSD
Matrix: Water
Analysis Batch: 293590

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
Benzene	ND		10.0	10.04		ug/L		100	75 - 125	4	20
Toluene	ND		10.0	10.53		ug/L		105	75 - 127	3	20
Ethylbenzene	ND		10.0	9.875		ug/L		99	73 - 135	9	20
o-Xylene	ND		10.0	10.14		ug/L		101	69 - 138	6	20
m,p-Xylene	ND		10.0	10.11		ug/L		101	73 - 138	5	21
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.775		ug/L		98	59 - 131	1	20
1,1-Dichloroethene	ND		10.0	9.513		ug/L		95	57 - 148	4	20
1,2-Dichlorobenzene	ND		10.0	9.977		ug/L		100	74 - 126	4	20
1,2-Dichloroethane	ND		10.0	9.812		ug/L		98	65 - 140	4	20
Carbon tetrachloride	ND		10.0	10.20		ug/L		102	50 - 159	3	20
Chlorobenzene	ND		10.0	9.751		ug/L		98	75 - 128	5	20
1,2-Dibromoethane	ND		10.0	9.384		ug/L		94	74 - 128	9	20
Hexachloro-1,3-butadiene	ND		10.0	9.743		ug/L		97	69 - 137	7	24
Trichloroethene	ND		10.0	10.34		ug/L		103	34 - 159	4	23
Vinyl chloride	ND		10.0	11.80		ug/L		118	51 - 168	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 132*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-292810/1-A
Matrix: Water
Analysis Batch: 293833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/30/22 06:03	01/05/23 16:42	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/30/22 06:03	01/05/23 16:42	1
Anthracene	ND		0.20	0.059	ug/L		12/30/22 06:03	01/05/23 16:42	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/30/22 06:03	01/05/23 16:42	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/30/22 06:03	01/05/23 16:42	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/30/22 06:03	01/05/23 16:42	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/30/22 06:03	01/05/23 16:42	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/30/22 06:03	01/05/23 16:42	1
Chrysene	ND		0.20	0.059	ug/L		12/30/22 06:03	01/05/23 16:42	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/30/22 06:03	01/05/23 16:42	1
Fluoranthene	ND		0.20	0.068	ug/L		12/30/22 06:03	01/05/23 16:42	1
Fluorene	ND		0.20	0.075	ug/L		12/30/22 06:03	01/05/23 16:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/30/22 06:03	01/05/23 16:42	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/30/22 06:03	01/05/23 16:42	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/30/22 06:03	01/05/23 16:42	1
Naphthalene	ND		0.20	0.083	ug/L		12/30/22 06:03	01/05/23 16:42	1
Phenanthrene	ND		0.20	0.073	ug/L		12/30/22 06:03	01/05/23 16:42	1
Pyrene	ND		0.20	0.066	ug/L		12/30/22 06:03	01/05/23 16:42	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: MB 570-292810/1-A
Matrix: Water
Analysis Batch: 293833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292810

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		33 - 144	12/30/22 06:03	01/05/23 16:42	1
Nitrobenzene-d5 (Surr)	84		28 - 139	12/30/22 06:03	01/05/23 16:42	1
p-Terphenyl-d14 (Surr)	96		23 - 160	12/30/22 06:03	01/05/23 16:42	1

Lab Sample ID: LCS 570-292810/2-A
Matrix: Water
Analysis Batch: 293833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.813		ug/L		91	55 - 121
Acenaphthylene	2.00	1.973		ug/L		99	33 - 145
Anthracene	2.00	1.851		ug/L		93	27 - 133
Benzo[a]anthracene	2.00	2.040		ug/L		102	33 - 143
Benzo[a]pyrene	2.00	1.938		ug/L		97	17 - 163
Benzo[b]fluoranthene	2.00	2.390		ug/L		120	24 - 159
Benzo[g,h,i]perylene	2.00	1.936		ug/L		97	25 - 157
Benzo[k]fluoranthene	2.00	1.798		ug/L		90	24 - 159
Chrysene	2.00	1.703		ug/L		85	17 - 168
Dibenz(a,h)anthracene	2.00	2.043		ug/L		102	25 - 175
Fluoranthene	2.00	1.800		ug/L		90	26 - 137
Fluorene	2.00	1.663		ug/L		83	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	2.045		ug/L		102	25 - 175
1-Methylnaphthalene	2.00	1.560		ug/L		78	20 - 140
2-Methylnaphthalene	2.00	1.515		ug/L		76	21 - 140
Naphthalene	2.00	1.496		ug/L		75	21 - 133
Phenanthrene	2.00	1.587		ug/L		79	54 - 120
Pyrene	2.00	1.640		ug/L		82	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		33 - 144
Nitrobenzene-d5 (Surr)	89		28 - 139
p-Terphenyl-d14 (Surr)	92		23 - 160

Lab Sample ID: LCSD 570-292810/3-A
Matrix: Water
Analysis Batch: 293833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292810

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.678		ug/L		84	55 - 121	8	25
Acenaphthylene	2.00	2.029		ug/L		101	33 - 145	3	25
Anthracene	2.00	1.965		ug/L		98	27 - 133	6	25
Benzo[a]anthracene	2.00	2.153		ug/L		108	33 - 143	5	25
Benzo[a]pyrene	2.00	2.055		ug/L		103	17 - 163	6	25
Benzo[b]fluoranthene	2.00	2.439		ug/L		122	24 - 159	2	25
Benzo[g,h,i]perylene	2.00	1.964		ug/L		98	25 - 157	1	25
Benzo[k]fluoranthene	2.00	1.954		ug/L		98	24 - 159	8	25
Chrysene	2.00	1.823		ug/L		91	17 - 168	7	25
Dibenz(a,h)anthracene	2.00	2.082		ug/L		104	25 - 175	2	25

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-292810/3-A
Matrix: Water
Analysis Batch: 293833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292810

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene			2.00	1.891		ug/L		95	26 - 137	5	25
Fluorene			2.00	1.751		ug/L		88	59 - 121	5	25
Indeno[1,2,3-cd]pyrene			2.00	2.099		ug/L		105	25 - 175	3	25
1-Methylnaphthalene			2.00	1.564		ug/L		78	20 - 140	0	25
2-Methylnaphthalene			2.00	1.516		ug/L		76	21 - 140	0	25
Naphthalene			2.00	1.466		ug/L		73	21 - 133	2	25
Phenanthrene			2.00	1.694		ug/L		85	54 - 120	7	25
Pyrene			2.00	1.697		ug/L		85	45 - 129	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*85*		*33 - 144*
Nitrobenzene-d5 (Surr)	*86*		*28 - 139*
p-Terphenyl-d14 (Surr)	*93*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-293865/1-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 293865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 18:35	1

Lab Sample ID: LCS 570-293865/2-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 293865

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00800	0.008704		mg/L		109	85 - 115		

Lab Sample ID: LCSD 570-293865/3-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 293865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.008026		mg/L		100	85 - 115	8	10

Lab Sample ID: 570-122390-AA-2-H MS
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 293865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00800	0.008601		mg/L		108	85 - 115		

Lab Sample ID: 570-122390-AA-2-I MSD
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 293865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.008540		mg/L		107	85 - 115	1	10

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-122210-F-1-B MS
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 293222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.4904		mg/L		98	80 - 140
Barium	0.0503	B	0.500	0.5103		mg/L		92	87 - 123
Cadmium	ND		0.500	0.4474		mg/L		89	82 - 124
Chromium	0.00640	J	0.500	0.4730		mg/L		93	86 - 122
Lead	ND		0.500	0.4502		mg/L		90	84 - 120
Selenium	ND		0.500	0.4581		mg/L		92	79 - 127
Silver	ND		0.250	0.2391		mg/L		96	86 - 128

Lab Sample ID: 570-122210-F-1-C MSD
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 293222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.4896		mg/L		98	80 - 140	0	11
Barium	0.0503	B	0.500	0.5119		mg/L		92	87 - 123	0	6
Cadmium	ND		0.500	0.4466		mg/L		89	82 - 124	0	7
Chromium	0.00640	J	0.500	0.4763		mg/L		94	86 - 122	1	8
Lead	ND		0.500	0.4485		mg/L		90	84 - 120	0	7
Selenium	ND		0.500	0.4651		mg/L		93	79 - 127	2	9
Silver	ND		0.250	0.2390		mg/L		96	86 - 128	0	7

Lab Sample ID: MB 570-293222/1-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:07	1
Barium	0.002300	J	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:07	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:07	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:07	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:07	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:07	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:07	1

Lab Sample ID: LCS 570-293222/2-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4609		mg/L		92	80 - 120
Barium	0.500	0.4686		mg/L		94	80 - 120
Cadmium	0.500	0.4624		mg/L		92	80 - 120
Chromium	0.500	0.4663		mg/L		93	80 - 120
Lead	0.500	0.4666		mg/L		93	80 - 120
Selenium	0.500	0.4537		mg/L		91	80 - 120
Silver	0.250	0.2325		mg/L		93	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: LCSD 570-293222/3-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.4550		mg/L		91	80 - 120	1	20
Barium			0.500	0.4609		mg/L		92	80 - 120	2	20
Cadmium			0.500	0.4548		mg/L		91	80 - 120	2	20
Chromium			0.500	0.4602		mg/L		92	80 - 120	1	20
Lead			0.500	0.4632		mg/L		93	80 - 120	1	20
Selenium			0.500	0.4442		mg/L		89	80 - 120	2	20
Silver			0.250	0.2299		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 570-293519/1-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/04/23 06:14	01/04/23 17:10	1
Barium	ND		0.0100	0.00111	mg/L		01/04/23 06:14	01/04/23 17:10	1
Cadmium	ND		0.0100	0.000620	mg/L		01/04/23 06:14	01/04/23 17:10	1
Chromium	ND		0.0500	0.00296	mg/L		01/04/23 06:14	01/04/23 17:10	1
Lead	ND		0.0500	0.00527	mg/L		01/04/23 06:14	01/04/23 17:10	1
Selenium	ND		0.0500	0.0162	mg/L		01/04/23 06:14	01/04/23 17:10	1
Silver	ND		0.0100	0.00259	mg/L		01/04/23 06:14	01/04/23 17:10	1

Lab Sample ID: LCS 570-293519/2-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.500	0.4877		mg/L		98	80 - 120		
Barium			0.500	0.4909		mg/L		98	80 - 120		
Cadmium			0.500	0.4880		mg/L		98	80 - 120		
Chromium			0.500	0.4964		mg/L		99	80 - 120		
Lead			0.500	0.4905		mg/L		98	80 - 120		
Selenium			0.500	0.4687		mg/L		94	80 - 120		
Silver			0.250	0.2535		mg/L		101	80 - 120		

Lab Sample ID: LCSD 570-293519/3-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.4943		mg/L		99	80 - 120	1	20
Barium			0.500	0.4952		mg/L		99	80 - 120	1	20
Cadmium			0.500	0.4924		mg/L		98	80 - 120	1	20
Chromium			0.500	0.5017		mg/L		100	80 - 120	1	20
Lead			0.500	0.4958		mg/L		99	80 - 120	1	20
Selenium			0.500	0.4755		mg/L		95	80 - 120	1	20
Silver			0.250	0.2556		mg/L		102	80 - 120	1	20

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: 570-120915-O-1-B MS
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.5159		mg/L		103	80 - 140
Barium	0.0584		0.500	0.5585		mg/L		100	87 - 123
Cadmium	ND		0.500	0.4813		mg/L		96	82 - 124
Chromium	0.00310	J	0.500	0.5068		mg/L		101	86 - 122
Lead	ND		0.500	0.4945		mg/L		99	84 - 120
Selenium	ND		0.500	0.4924		mg/L		98	79 - 127
Silver	ND		0.250	0.2701		mg/L		108	86 - 128

Lab Sample ID: 570-120915-O-1-C MSD
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5138		mg/L		103	80 - 140	0	11
Barium	0.0584		0.500	0.5582		mg/L		100	87 - 123	0	6
Cadmium	ND		0.500	0.4798		mg/L		96	82 - 124	0	7
Chromium	0.00310	J	0.500	0.5085		mg/L		101	86 - 122	0	8
Lead	ND		0.500	0.4878		mg/L		98	84 - 120	1	7
Selenium	ND		0.500	0.4826		mg/L		97	79 - 127	2	9
Silver	ND		0.250	0.2698		mg/L		108	86 - 128	0	7

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-293962/36
Matrix: Water
Analysis Batch: 293962

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	2.18	mg/L			01/05/23 17:37	1

Lab Sample ID: MB 570-293962/5
Matrix: Water
Analysis Batch: 293962

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	2.18	mg/L			01/05/23 12:32	1

Lab Sample ID: LCS 570-293962/34
Matrix: Water
Analysis Batch: 293962

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total (As CaCO3)	106	95.96		mg/L		91	80 - 120

Lab Sample ID: LCSD 570-293962/35
Matrix: Water
Analysis Batch: 293962

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	106	89.48		mg/L		84	80 - 120	7	20

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Method: SM 2320B - Alkalinity

Lab Sample ID: 570-122043-K-1 DU
Matrix: Water
Analysis Batch: 293962

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	34.7		34.67		mg/L		0	25

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

Lab Sample ID: MB 570-293416/1
Matrix: Water
Analysis Batch: 293416

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	8.70	mg/L			01/03/23 16:46	1

Lab Sample ID: LCS 570-293416/2
Matrix: Water
Analysis Batch: 293416

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	1000	984.0		mg/L		98	84 - 108

Lab Sample ID: LCSD 570-293416/3
Matrix: Water
Analysis Batch: 293416

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	998.0		mg/L		100	84 - 108	1	10

Lab Sample ID: 570-122296-1 DU
Matrix: Water
Analysis Batch: 293416

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	579		572.0		mg/L		1	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-295805/1
Matrix: Water
Analysis Batch: 295805

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.596	mg/L			01/13/23 16:47	1

Lab Sample ID: LCS 570-295805/2
Matrix: Water
Analysis Batch: 295805

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	100.3		mg/L		100	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

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

Lab Sample ID: LCSD 570-295805/3
Matrix: Water
Analysis Batch: 295805

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			100	99.77		mg/L		100	80 - 120	1	10

Lab Sample ID: 570-122369-D-1 MS
Matrix: Water
Analysis Batch: 295805

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	31.6		100	132.6		mg/L		101	75 - 125		

Lab Sample ID: 570-122369-D-1 MSD
Matrix: Water
Analysis Batch: 295805

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.6		100	141.8		mg/L		110	75 - 125	7	15

Lab Sample ID: 570-122369-D-1 DU
Matrix: Water
Analysis Batch: 295805

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	31.6			31.31		mg/L				1	15

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

GC/MS VOA

Analysis Batch: 293172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-2	W-MW-30	Total/NA	Water	8260B	
570-122296-3	W-MW-29	Total/NA	Water	8260B	
570-122296-4	W-MW-28	Total/NA	Water	8260B	
570-122296-5	W-MW-27	Total/NA	Water	8260B	
570-122296-6	W-MW-17	Total/NA	Water	8260B	
570-122296-7	W-MW-32	Total/NA	Water	8260B	
570-122296-8	Trip Blank	Total/NA	Water	8260B	
MB 570-293172/8	Method Blank	Total/NA	Water	8260B	
LCS 570-293172/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-293172/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 293590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	8260B	
570-122296-2 - RA	W-MW-30	Total/NA	Water	8260B	
570-122296-3 - RA	W-MW-29	Total/NA	Water	8260B	
570-122296-4 - RA	W-MW-28	Total/NA	Water	8260B	
570-122296-5 - RA	W-MW-27	Total/NA	Water	8260B	
570-122296-6 - RA	W-MW-17	Total/NA	Water	8260B	
570-122296-7 - RA	W-MW-32	Total/NA	Water	8260B	
MB 570-293590/7	Method Blank	Total/NA	Water	8260B	
LCS 570-293590/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-293590/5	Lab Control Sample Dup	Total/NA	Water	8260B	
570-122498-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
570-122498-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 292810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	3510C	
570-122296-2	W-MW-30	Total/NA	Water	3510C	
570-122296-3	W-MW-29	Total/NA	Water	3510C	
570-122296-4	W-MW-28	Total/NA	Water	3510C	
570-122296-5	W-MW-27	Total/NA	Water	3510C	
570-122296-6	W-MW-17	Total/NA	Water	3510C	
570-122296-7	W-MW-32	Total/NA	Water	3510C	
MB 570-292810/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-292810/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-292810/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 293833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-292810/1-A	Method Blank	Total/NA	Water	8270C SIM	292810
LCS 570-292810/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	292810
LCSD 570-292810/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	292810

Analysis Batch: 294107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	8270C SIM	292810
570-122296-2	W-MW-30	Total/NA	Water	8270C SIM	292810

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

GC/MS Semi VOA (Continued)

Analysis Batch: 294107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-3	W-MW-29	Total/NA	Water	8270C SIM	292810
570-122296-4	W-MW-28	Total/NA	Water	8270C SIM	292810
570-122296-5	W-MW-27	Total/NA	Water	8270C SIM	292810
570-122296-6	W-MW-17	Total/NA	Water	8270C SIM	292810
570-122296-7	W-MW-32	Total/NA	Water	8270C SIM	292810

Metals

Prep Batch: 293222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-2	W-MW-30	Total Recoverable	Water	3005A	
570-122296-3	W-MW-29	Total Recoverable	Water	3005A	
570-122296-4	W-MW-28	Total Recoverable	Water	3005A	
570-122296-5	W-MW-27	Total Recoverable	Water	3005A	
570-122296-7	W-MW-32	Total Recoverable	Water	3005A	
MB 570-293222/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-293222/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-293222/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-122210-F-1-B MS	Matrix Spike	Total/NA	Water	3005A	
570-122210-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 293484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-2	W-MW-30	Total Recoverable	Water	6010B	293222
570-122296-3	W-MW-29	Total Recoverable	Water	6010B	293222
570-122296-4	W-MW-28	Total Recoverable	Water	6010B	293222
570-122296-5	W-MW-27	Total Recoverable	Water	6010B	293222
570-122296-7	W-MW-32	Total Recoverable	Water	6010B	293222
MB 570-293222/1-A	Method Blank	Total Recoverable	Water	6010B	293222
LCS 570-293222/2-A	Lab Control Sample	Total Recoverable	Water	6010B	293222
LCSD 570-293222/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	293222
570-122210-F-1-B MS	Matrix Spike	Total/NA	Water	6010B	293222
570-122210-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	293222

Prep Batch: 293519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total Recoverable	Water	3005A	
570-122296-6	W-MW-17	Total Recoverable	Water	3005A	
MB 570-293519/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-293519/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-293519/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-120915-O-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-120915-O-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 293725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total Recoverable	Water	6010B	293519
570-122296-6	W-MW-17	Total Recoverable	Water	6010B	293519
MB 570-293519/1-A	Method Blank	Total Recoverable	Water	6010B	293519
LCS 570-293519/2-A	Lab Control Sample	Total Recoverable	Water	6010B	293519
LCSD 570-293519/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	293519

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Metals (Continued)

Analysis Batch: 293725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-120915-O-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	293519
570-120915-O-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	293519

Prep Batch: 293865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	245.1	
570-122296-2	W-MW-30	Total/NA	Water	245.1	
570-122296-3	W-MW-29	Total/NA	Water	245.1	
570-122296-4	W-MW-28	Total/NA	Water	245.1	
570-122296-5	W-MW-27	Total/NA	Water	245.1	
570-122296-6	W-MW-17	Total/NA	Water	245.1	
570-122296-7	W-MW-32	Total/NA	Water	245.1	
MB 570-293865/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-293865/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-293865/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-122390-AA-2-H MS	Matrix Spike	Total/NA	Water	245.1	
570-122390-AA-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 293994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	245.1	293865
570-122296-2	W-MW-30	Total/NA	Water	245.1	293865
570-122296-3	W-MW-29	Total/NA	Water	245.1	293865
570-122296-4	W-MW-28	Total/NA	Water	245.1	293865
570-122296-5	W-MW-27	Total/NA	Water	245.1	293865
570-122296-6	W-MW-17	Total/NA	Water	245.1	293865
570-122296-7	W-MW-32	Total/NA	Water	245.1	293865
MB 570-293865/1-A	Method Blank	Total/NA	Water	245.1	293865
LCS 570-293865/2-A	Lab Control Sample	Total/NA	Water	245.1	293865
LCSD 570-293865/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	293865
570-122390-AA-2-H MS	Matrix Spike	Total/NA	Water	245.1	293865
570-122390-AA-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	293865

General Chemistry

Analysis Batch: 293416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	SM 2540C	
570-122296-2	W-MW-30	Total/NA	Water	SM 2540C	
570-122296-3	W-MW-29	Total/NA	Water	SM 2540C	
570-122296-4	W-MW-28	Total/NA	Water	SM 2540C	
570-122296-5	W-MW-27	Total/NA	Water	SM 2540C	
570-122296-6	W-MW-17	Total/NA	Water	SM 2540C	
570-122296-7	W-MW-32	Total/NA	Water	SM 2540C	
MB 570-293416/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-293416/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-293416/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-122296-1 DU	W-MW-6	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

General Chemistry

Analysis Batch: 293962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	SM 2320B	
570-122296-2	W-MW-30	Total/NA	Water	SM 2320B	
570-122296-3	W-MW-29	Total/NA	Water	SM 2320B	
570-122296-4	W-MW-28	Total/NA	Water	SM 2320B	
570-122296-5	W-MW-27	Total/NA	Water	SM 2320B	
570-122296-6	W-MW-17	Total/NA	Water	SM 2320B	
570-122296-7	W-MW-32	Total/NA	Water	SM 2320B	
MB 570-293962/36	Method Blank	Total/NA	Water	SM 2320B	
MB 570-293962/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-293962/34	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-293962/35	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-122043-K-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 295805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122296-1	W-MW-6	Total/NA	Water	SM 4500 Cl- C	
570-122296-2	W-MW-30	Total/NA	Water	SM 4500 Cl- C	
570-122296-3	W-MW-29	Total/NA	Water	SM 4500 Cl- C	
570-122296-4	W-MW-28	Total/NA	Water	SM 4500 Cl- C	
570-122296-5	W-MW-27	Total/NA	Water	SM 4500 Cl- C	
570-122296-6	W-MW-17	Total/NA	Water	SM 4500 Cl- C	
570-122296-7	W-MW-32	Total/NA	Water	SM 4500 Cl- C	
MB 570-295805/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-295805/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-295805/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-122369-D-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-122369-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-122369-D-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-6

Date Collected: 12/29/22 07:30
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	20 mL	20 mL	293590	01/04/23 16:31	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1018 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 12:50	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 18:55	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293519	01/04/23 06:14	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		2			293725	01/04/23 17:00	A1W	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:24	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW-30

Date Collected: 12/29/22 08:17
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293172	01/03/23 14:01	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	293590	01/04/23 14:20	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1004.7 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 13:12	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 18:57	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 19:35	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:30	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-29

Date Collected: 12/29/22 08:52
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293172	01/03/23 14:25	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	293590	01/04/23 14:42	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1001 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 13:34	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 18:58	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 19:38	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:36	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW-28

Date Collected: 12/29/22 09:29
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293172	01/03/23 14:49	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	293590	01/04/23 15:04	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1057.9 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 13:56	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:04	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 19:40	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:43	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-27

Date Collected: 12/29/22 10:10
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293172	01/03/23 15:12	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	293590	01/04/23 15:25	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1003.6 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 14:18	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:06	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 19:43	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:49	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	25 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW-17

Date Collected: 12/29/22 11:47
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	20 mL	20 mL	293172	01/03/23 15:37	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	20	20 mL	20 mL	293590	01/04/23 16:09	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1048.9 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		10	1 mL	1 mL	294107	01/06/23 14:40	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:08	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293519	01/04/23 06:14	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293725	01/04/23 16:15	A1W	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 19:57	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Client Sample ID: W-MW-32

Date Collected: 12/29/22 12:14
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-7

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	20 mL	20 mL	293172	01/03/23 16:00	UJHB	EET CAL 4
	Instrument ID: GCMSRR									
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	293590	01/04/23 15:47	OH1	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1053.7 mL	2 mL	292810	12/30/22 13:42	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294107	01/06/23 15:02	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:09	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 19:45	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 20:03	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293416	01/03/23 16:46	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: Trip Blank

Date Collected: 12/29/22 00:00
Date Received: 12/30/22 09:45

Lab Sample ID: 570-122296-8

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	20 mL	20 mL	293172	01/03/23 09:37	UJHB	EET CAL 4
	Instrument ID: GCMSRR									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-122296-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 Cl- C		Water	Chloride

Method Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122296-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8270C SIM	PAHs (GC/MS SIM)	SW846	EET CAL 4
245.1	Mercury (CVAA)	EPA	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
SM 2320B	Alkalinity	SM	EET CAL 4
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CAL 4
SM 4500 Cl- C	Chloride, Total	SM	EET CAL 4
245.1	Preparation, Mercury	EPA	EET CAL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Loc: 570
122296

eurofins | Calscience
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 3612

CHAIN OF CUSTODY REC

DATE: 12/29/22
PAGE: 1 OF 1 2

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 | FAX: 949-457-8956 | James.Anderson@cardno com

GLOBAL ID # / COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Jose Vasquez

EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

570-122296 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As Ba Cd, Cr Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W MW-6	MW-6	12/29/22	07:30	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
2	N MW 30	MW-30	12/29/22	0817	W	8	X	X	X	X	X	3 vials with HCL, ~~1-1L Amber Glass~~, 250mL Plastic with HNO3, 2-250mL Plastic, 2 500 mL AMBER
3	N-MW 29	MW 29	12/29/22	0952	W	8	X	X	X	X	X	3 vials with HCL, ~~1-1L Amber Glass~~, 250mL Plastic with HNO3, 2-250mL Plastic, 2 500mL Ambers
4	W MW 28	MW 28	12/29/22	0929	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
5	W MW-27	MW 27	12/29/22	10:10	W	8	X	X	X	X	X	3 vials with HCL, ~~1-1L Amber Glass, 250mL~~ Plastic with HNO3 2-250mL Plastic, 2 500mL Ambers
6	W-MW 17	MW-17	12/29/22	1147	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
7	N MW 32	MW 32	12/29/22	1224	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
8	TRIP BLANK	GCTB	12/29/22	—	W	2	X					3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
9					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
10					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
11					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
12					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,

Relinquished by: (Signature)	Received by: (Signature)	Date & Time: 12/30/22 9 45 EC
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

4214 0 5012

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-122296-1

Login Number: 122296
List Number: 1
Creator: Yu, Tiffany

List Source: Eurofins Calscience

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. James Anderson
Cardno, Inc
4572 Telephone Road #916
Ventura, California 93003

Generated 1/16/2023 11:36:21 AM

JOB DESCRIPTION

ExxonMobil Gladiola Station/3612

JOB NUMBER

570-122369-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

Generated
1/16/2023 11:36:21 AM

Authorized for release by
Lori Thompson, Project Manager I
Lori.Thompson@et.eurofinsus.com
Designee for
Cecile de Guia, Project Manager I
Cecile.deGuia@et.eurofinsus.com
(714)895-5494

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory Job ID: 570-122369-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Job ID: 570-122369-1
Project/Site: ExxonMobil Gladiola Station/3612

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-122369-1	W-MW-22	Water	12/30/22 07:55	12/31/22 10:10
570-122369-2	W-MW-11	Water	12/30/22 08:28	12/31/22 10:10
570-122369-3	W-MW-31	Water	12/30/22 08:57	12/31/22 10:10
570-122369-4	W-MW-3	Water	12/30/22 10:30	12/31/22 10:10
570-122369-5	TRIP BLANK	Water	12/30/22 00:00	12/31/22 10:10

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-122369-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Job ID: 570-122369-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-122369-1

Comments
No additional comments.

Receipt
The samples were received on 12/31/2022 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-293426. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

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

Metals
Method 6010B: The method blank for preparation batch 570-293222 and analytical batch 570-293484 contained Barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) or greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010B: The post digestion spike % recovery for Silver and Potassium associated with batch 570-293725 was outside of control limits. The associated sample is: (570-120915-O-1-A PDS).

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-293910 and 570-293910. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

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

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-22 Lab Sample ID: 570-122369-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0226	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	269		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	687		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	31.6		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-11 Lab Sample ID: 570-122369-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0372	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	393		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	952		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	155		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-31 Lab Sample ID: 570-122369-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.22	J	0.50	0.14	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.4		0.50	0.20	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.43	J	0.50	0.21	ug/L	1		8260B	Total/NA
Barium	1.12	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	480		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	677		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	44.9		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-3 Lab Sample ID: 570-122369-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	450		5.0	1.4	ug/L	10		8260B	Total/NA
Ethylbenzene	430		5.0	1.6	ug/L	10		8260B	Total/NA
Isopropylbenzene	39		5.0	2.1	ug/L	10		8260B	Total/NA
Naphthalene	52		10	5.5	ug/L	10		8260B	Total/NA
n-Butylbenzene	4.9	J	5.0	2.4	ug/L	10		8260B	Total/NA
N-Propylbenzene	37		5.0	1.8	ug/L	10		8260B	Total/NA
sec-Butylbenzene	6.9		5.0	2.0	ug/L	10		8260B	Total/NA
Fluorene	1.7		0.20	0.075	ug/L	1		8270C SIM	Total/NA
Phenanthrene	2.1		0.20	0.073	ug/L	1		8270C SIM	Total/NA
Pyrene	0.12	J	0.20	0.066	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene - DL	26		2.0	0.73	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene - DL	33		2.0	0.77	ug/L	10		8270C SIM	Total/NA
Naphthalene - DL	37		2.0	0.83	ug/L	10		8270C SIM	Total/NA
Arsenic	0.0444	J	0.200	0.0398	mg/L	2		6010B	Total Recoverable
Barium	9.51		0.0200	0.00222	mg/L	2		6010B	Total Recoverable
Chromium	0.0356	J	0.100	0.00592	mg/L	2		6010B	Total Recoverable
Lead	0.0206	J	0.100	0.0105	mg/L	2		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	1460		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1420		20.0	17.4	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 570-122369-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-22

Date Collected: 12/30/22 07:55
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 20:28	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 20:28	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 20:28	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 20:28	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 20:28	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 20:28	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 20:28	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 20:28	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 20:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 20:28	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 20:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 20:28	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 20:28	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 20:28	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 20:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:28	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 20:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:28	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 20:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 20:28	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 20:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 20:28	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 20:28	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 20:28	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 20:28	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 20:28	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 20:28	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 20:28	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 20:28	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 20:28	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 20:28	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 20:28	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 20:28	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 20:28	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 20:28	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 20:28	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 20:28	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 20:28	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 20:28	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 20:28	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 20:28	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 20:28	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 20:28	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 20:28	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 20:28	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 20:28	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 20:28	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 20:28	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 20:28	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-22
Date Collected: 12/30/22 07:55
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 20:28	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 20:28	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 20:28	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:28	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 20:28	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 20:28	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 20:28	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 20:28	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 20:28	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 20:28	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 20:28	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 20:28	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 20:28	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:28	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 20:28	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 20:28	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 20:28	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*01/03/23 20:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*01/03/23 20:28*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*01/03/23 20:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/03/23 20:28*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		01/05/23 12:12	01/09/23 18:57	1
Acenaphthylene	ND		0.19	0.065	ug/L		01/05/23 12:12	01/09/23 18:57	1
Anthracene	ND		0.19	0.056	ug/L		01/05/23 12:12	01/09/23 18:57	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		01/05/23 12:12	01/09/23 18:57	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		01/05/23 12:12	01/09/23 18:57	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		01/05/23 12:12	01/09/23 18:57	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		01/05/23 12:12	01/09/23 18:57	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		01/05/23 12:12	01/09/23 18:57	1
Chrysene	ND		0.19	0.056	ug/L		01/05/23 12:12	01/09/23 18:57	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		01/05/23 12:12	01/09/23 18:57	1
Fluoranthene	ND		0.19	0.064	ug/L		01/05/23 12:12	01/09/23 18:57	1
Fluorene	ND		0.19	0.071	ug/L		01/05/23 12:12	01/09/23 18:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		01/05/23 12:12	01/09/23 18:57	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		01/05/23 12:12	01/09/23 18:57	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		01/05/23 12:12	01/09/23 18:57	1
Naphthalene	ND		0.19	0.078	ug/L		01/05/23 12:12	01/09/23 18:57	1
Phenanthrene	ND		0.19	0.069	ug/L		01/05/23 12:12	01/09/23 18:57	1
Pyrene	ND		0.19	0.063	ug/L		01/05/23 12:12	01/09/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*33 - 144*	*01/05/23 12:12*	*01/09/23 18:57*	*1*
Nitrobenzene-d5 (Surr)	*81*		*28 - 139*	*01/05/23 12:12*	*01/09/23 18:57*	*1*
p-Terphenyl-d14 (Surr)	*93*		*23 - 160*	*01/05/23 12:12*	*01/09/23 18:57*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-22

Date Collected: 12/30/22 07:55
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-1
Matrix: Water

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:11	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 20:04	1
Barium	**0.0226**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 20:04	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 20:04	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 20:04	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 20:04	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 20:04	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**269**		5.00	2.18	mg/L			01/05/23 18:25	1
Total Dissolved Solids (SM 2540C)	**687**		10.0	8.70	mg/L			01/04/23 15:33	1
Chloride (SM 4500 Cl- C)	**31.6**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-11

Date Collected: 12/30/22 08:28
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 20:53	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 20:53	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 20:53	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 20:53	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 20:53	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 20:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 20:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 20:53	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 20:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 20:53	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 20:53	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 20:53	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 20:53	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 20:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:53	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 20:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 20:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 20:53	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 20:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 20:53	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 20:53	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 20:53	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 20:53	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 20:53	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-11
Date Collected: 12/30/22 08:28
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 20:53	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 20:53	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 20:53	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 20:53	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 20:53	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 20:53	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 20:53	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 20:53	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 20:53	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 20:53	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 20:53	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 20:53	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 20:53	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 20:53	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 20:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 20:53	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 20:53	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 20:53	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 20:53	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 20:53	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 20:53	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 20:53	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 20:53	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 20:53	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 20:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 20:53	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:53	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 20:53	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 20:53	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 20:53	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 20:53	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 20:53	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 20:53	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 20:53	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 20:53	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 20:53	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:53	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 20:53	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 20:53	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 20:53	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*01/03/23 20:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 120*		*01/03/23 20:53*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*01/03/23 20:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/03/23 20:53*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-11

Date Collected: 12/30/22 08:28
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-2

Matrix: Water

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		01/05/23 12:12	01/09/23 19:19	1
Acenaphthylene	ND		0.20	0.069	ug/L		01/05/23 12:12	01/09/23 19:19	1
Anthracene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 19:19	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		01/05/23 12:12	01/09/23 19:19	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		01/05/23 12:12	01/09/23 19:19	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 19:19	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		01/05/23 12:12	01/09/23 19:19	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		01/05/23 12:12	01/09/23 19:19	1
Chrysene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 19:19	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 19:19	1
Fluoranthene	ND		0.20	0.068	ug/L		01/05/23 12:12	01/09/23 19:19	1
Fluorene	ND		0.20	0.075	ug/L		01/05/23 12:12	01/09/23 19:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 19:19	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 19:19	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		01/05/23 12:12	01/09/23 19:19	1
Naphthalene	ND		0.20	0.083	ug/L		01/05/23 12:12	01/09/23 19:19	1
Phenanthrene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 19:19	1
Pyrene	ND		0.20	0.066	ug/L		01/05/23 12:12	01/09/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*33 - 144*	*01/05/23 12:12*	*01/09/23 19:19*	*1*
Nitrobenzene-d5 (Surr)	*86*		*28 - 139*	*01/05/23 12:12*	*01/09/23 19:19*	*1*
p-Terphenyl-d14 (Surr)	*94*		*23 - 160*	*01/05/23 12:12*	*01/09/23 19:19*	*1*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:13	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 20:07	1
Barium	**0.0372**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 20:07	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 20:07	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 20:07	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 20:07	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 20:07	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 20:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**393**		5.00	2.18	mg/L			01/05/23 18:32	1
Total Dissolved Solids (SM 2540C)	**952**		10.0	8.70	mg/L			01/04/23 15:33	1
Chloride (SM 4500 Cl- C)	**155**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-31

Date Collected: 12/30/22 08:57
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.22**	**J**	0.50	0.14	ug/L			01/03/23 21:18	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 21:18	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 21:18	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 21:18	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 21:18	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 21:18	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 21:18	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 21:18	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 21:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 21:18	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 21:18	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 21:18	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 21:18	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 21:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 21:18	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 21:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 21:18	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 21:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 21:18	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 21:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 21:18	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 21:18	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 21:18	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 21:18	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 21:18	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 21:18	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 21:18	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 21:18	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 21:18	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 21:18	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 21:18	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 21:18	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 21:18	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 21:18	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 21:18	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 21:18	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 21:18	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 21:18	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 21:18	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 21:18	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 21:18	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 21:18	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 21:18	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 21:18	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 21:18	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 21:18	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 21:18	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 21:18	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-31
Date Collected: 12/30/22 08:57
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 21:18	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 21:18	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 21:18	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 21:18	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 21:18	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 21:18	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 21:18	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 21:18	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 21:18	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 21:18	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 21:18	1
sec-Butylbenzene	**1.4**		0.50	0.20	ug/L			01/03/23 21:18	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 21:18	1
tert-Butylbenzene	**0.43**	**J**	0.50	0.21	ug/L			01/03/23 21:18	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 21:18	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 21:18	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 21:18	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*01/03/23 21:18*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*01/03/23 21:18*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*01/03/23 21:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/03/23 21:18*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		01/05/23 12:12	01/09/23 19:42	1
Acenaphthylene	ND		0.20	0.069	ug/L		01/05/23 12:12	01/09/23 19:42	1
Anthracene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 19:42	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		01/05/23 12:12	01/09/23 19:42	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		01/05/23 12:12	01/09/23 19:42	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 19:42	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		01/05/23 12:12	01/09/23 19:42	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		01/05/23 12:12	01/09/23 19:42	1
Chrysene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 19:42	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 19:42	1
Fluoranthene	ND		0.20	0.067	ug/L		01/05/23 12:12	01/09/23 19:42	1
Fluorene	ND		0.20	0.074	ug/L		01/05/23 12:12	01/09/23 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 19:42	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 19:42	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		01/05/23 12:12	01/09/23 19:42	1
Naphthalene	ND		0.20	0.082	ug/L		01/05/23 12:12	01/09/23 19:42	1
Phenanthrene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 19:42	1
Pyrene	ND		0.20	0.066	ug/L		01/05/23 12:12	01/09/23 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*33 - 144*	*01/05/23 12:12*	*01/09/23 19:42*	*1*
Nitrobenzene-d5 (Surr)	*91*		*28 - 139*	*01/05/23 12:12*	*01/09/23 19:42*	*1*
p-Terphenyl-d14 (Surr)	*109*		*23 - 160*	*01/05/23 12:12*	*01/09/23 19:42*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-31

Date Collected: 12/30/22 08:57
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-3
Matrix: Water

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:15	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 20:02	1
Barium	**1.12**	**B**	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 20:02	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 20:02	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 20:02	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 20:02	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 20:02	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 20:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**480**		5.00	2.18	mg/L			01/05/23 18:38	1
Total Dissolved Solids (SM 2540C)	**677**		10.0	8.70	mg/L			01/04/23 15:33	1
Chloride (SM 4500 Cl- C)	**44.9**		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: W-MW-3

Date Collected: 12/30/22 10:30
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**450**		5.0	1.4	ug/L			01/03/23 21:43	10
Toluene	ND		5.0	1.4	ug/L			01/03/23 21:43	10
Ethylbenzene	**430**		5.0	1.6	ug/L			01/03/23 21:43	10
o-Xylene	ND		5.0	1.8	ug/L			01/03/23 21:43	10
m,p-Xylene	ND		10	3.9	ug/L			01/03/23 21:43	10
Xylenes, Total	ND		10	3.9	ug/L			01/03/23 21:43	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.4	ug/L			01/03/23 21:43	10
1,1,1,2-Tetrachloroethane	ND		5.0	2.0	ug/L			01/03/23 21:43	10
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			01/03/23 21:43	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.4	ug/L			01/03/23 21:43	10
1,1,2-Trichloroethane	ND		5.0	1.8	ug/L			01/03/23 21:43	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			01/03/23 21:43	10
1,1-Dichloroethane	ND		5.0	2.1	ug/L			01/03/23 21:43	10
1,1-Dichloroethene	ND		5.0	2.1	ug/L			01/03/23 21:43	10
1,1-Dichloropropene	ND		5.0	1.6	ug/L			01/03/23 21:43	10
1,2,3-Trichlorobenzene	ND		5.0	2.6	ug/L			01/03/23 21:43	10
1,2,3-Trichloropropane	ND		5.0	3.1	ug/L			01/03/23 21:43	10
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/L			01/03/23 21:43	10
1,2,4-Trimethylbenzene	ND		5.0	2.2	ug/L			01/03/23 21:43	10
1,3,5-Trimethylbenzene	ND		5.0	1.9	ug/L			01/03/23 21:43	10
c-1,2-Dichloroethene	ND		5.0	1.6	ug/L			01/03/23 21:43	10
1,2-Dibromo-3-Chloropropane	ND		10	8.4	ug/L			01/03/23 21:43	10
1,2-Dichlorobenzene	ND		5.0	1.4	ug/L			01/03/23 21:43	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			01/03/23 21:43	10
1,2-Dichloropropane	ND		5.0	1.4	ug/L			01/03/23 21:43	10
t-1,2-Dichloroethene	ND		5.0	2.2	ug/L			01/03/23 21:43	10

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-3
Date Collected: 12/30/22 10:30
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		5.0	1.5	ug/L			01/03/23 21:43	10
1,3-Dichlorobenzene	ND		5.0	1.6	ug/L			01/03/23 21:43	10
1,3-Dichloropropane	ND		5.0	1.9	ug/L			01/03/23 21:43	10
t-1,3-Dichloropropene	ND		5.0	2.1	ug/L			01/03/23 21:43	10
1,4-Dichlorobenzene	ND		5.0	1.1	ug/L			01/03/23 21:43	10
2,2-Dichloropropane	ND		5.0	2.6	ug/L			01/03/23 21:43	10
2-Chlorotoluene	ND		5.0	2.3	ug/L			01/03/23 21:43	10
4-Chlorotoluene	ND		5.0	2.4	ug/L			01/03/23 21:43	10
4-Methyl-2-pentanone	ND		50	16	ug/L			01/03/23 21:43	10
Acetone	ND		80	36	ug/L			01/03/23 21:43	10
Bromobenzene	ND		5.0	1.4	ug/L			01/03/23 21:43	10
Bromochloromethane	ND		10	2.7	ug/L			01/03/23 21:43	10
Bromoform	ND		5.0	2.8	ug/L			01/03/23 21:43	10
Bromomethane	ND		20	19	ug/L			01/03/23 21:43	10
Carbon disulfide	ND		10	3.2	ug/L			01/03/23 21:43	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			01/03/23 21:43	10
Chlorobenzene	ND		5.0	1.2	ug/L			01/03/23 21:43	10
Dibromochloromethane	ND		5.0	2.1	ug/L			01/03/23 21:43	10
Chloroethane	ND		5.0	3.8	ug/L			01/03/23 21:43	10
Chloroform	ND		5.0	1.7	ug/L			01/03/23 21:43	10
Chloromethane	ND		10	6.5	ug/L			01/03/23 21:43	10
Dibromomethane	ND		5.0	1.6	ug/L			01/03/23 21:43	10
Bromodichloromethane	ND		5.0	1.5	ug/L			01/03/23 21:43	10
Dichlorodifluoromethane	ND		10	5.1	ug/L			01/03/23 21:43	10
1,2-Dibromoethane	ND		5.0	2.7	ug/L			01/03/23 21:43	10
Hexachloro-1,3-butadiene	ND		10	2.6	ug/L			01/03/23 21:43	10
Isopropylbenzene	**39**		5.0	2.1	ug/L			01/03/23 21:43	10
2-Butanone	ND		50	29	ug/L			01/03/23 21:43	10
Methylene Chloride	ND		10	4.0	ug/L			01/03/23 21:43	10
2-Hexanone	ND		60	20	ug/L			01/03/23 21:43	10
Naphthalene	**52**		10	5.5	ug/L			01/03/23 21:43	10
n-Butylbenzene	**4.9**	**J**	5.0	2.4	ug/L			01/03/23 21:43	10
N-Propylbenzene	**37**		5.0	1.8	ug/L			01/03/23 21:43	10
p-Isopropyltoluene	ND		5.0	2.0	ug/L			01/03/23 21:43	10
sec-Butylbenzene	**6.9**		5.0	2.0	ug/L			01/03/23 21:43	10
Styrene	ND		5.0	2.7	ug/L			01/03/23 21:43	10
tert-Butylbenzene	ND		5.0	2.1	ug/L			01/03/23 21:43	10
Tetrachloroethene	ND		5.0	1.6	ug/L			01/03/23 21:43	10
Trichloroethene	ND		5.0	1.5	ug/L			01/03/23 21:43	10
Trichlorofluoromethane	ND		5.0	2.6	ug/L			01/03/23 21:43	10
Vinyl chloride	ND		5.0	2.3	ug/L			01/03/23 21:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*01/03/23 21:43*	*10*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*01/03/23 21:43*	*10*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*01/03/23 21:43*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/03/23 21:43*	*10*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-3
Date Collected: 12/30/22 10:30
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-4
Matrix: Water

Method: SW846 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.098	ug/L		01/05/23 12:12	01/09/23 20:04	1
Acenaphthylene	ND		0.20	0.069	ug/L		01/05/23 12:12	01/09/23 20:04	1
Anthracene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 20:04	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		01/05/23 12:12	01/09/23 20:04	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		01/05/23 12:12	01/09/23 20:04	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 20:04	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		01/05/23 12:12	01/09/23 20:04	1
Benzo[k]fluoranthene	ND		0.20	0.094	ug/L		01/05/23 12:12	01/09/23 20:04	1
Chrysene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 20:04	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 20:04	1
Fluoranthene	ND		0.20	0.068	ug/L		01/05/23 12:12	01/09/23 20:04	1
Fluorene	**1.7**		0.20	0.075	ug/L		01/05/23 12:12	01/09/23 20:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 20:04	1
Phenanthrene	**2.1**		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 20:04	1
Pyrene	**0.12**	**J**	0.20	0.066	ug/L		01/05/23 12:12	01/09/23 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*33 - 144*	*01/05/23 12:12*	*01/09/23 20:04*	*1*
Nitrobenzene-d5 (Surr)	*76*		*28 - 139*	*01/05/23 12:12*	*01/09/23 20:04*	*1*
p-Terphenyl-d14 (Surr)	*86*		*23 - 160*	*01/05/23 12:12*	*01/09/23 20:04*	*1*

Method: SW846 8270C SIM - PAHs (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**26**		2.0	0.73	ug/L		01/05/23 12:12	01/10/23 13:04	10
2-Methylnaphthalene	**33**		2.0	0.77	ug/L		01/05/23 12:12	01/10/23 13:04	10
Naphthalene	**37**		2.0	0.83	ug/L		01/05/23 12:12	01/10/23 13:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*33 - 144*	*01/05/23 12:12*	*01/10/23 13:04*	*10*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*01/05/23 12:12*	*01/10/23 13:04*	*10*
p-Terphenyl-d14 (Surr)	*88*		*23 - 160*	*01/05/23 12:12*	*01/10/23 13:04*	*10*

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 19:17	1

Method: SW846 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0444**	**J**	0.200	0.0398	mg/L		01/04/23 06:14	01/04/23 17:02	2
Barium	**9.51**		0.0200	0.00222	mg/L		01/04/23 06:14	01/04/23 17:02	2
Cadmium	ND		0.0200	0.00124	mg/L		01/04/23 06:14	01/04/23 17:02	2
Chromium	**0.0356**	**J**	0.100	0.00592	mg/L		01/04/23 06:14	01/04/23 17:02	2
Lead	**0.0206**	**J**	0.100	0.0105	mg/L		01/04/23 06:14	01/04/23 17:02	2
Selenium	ND		0.100	0.0325	mg/L		01/04/23 06:14	01/04/23 17:02	2
Silver	ND		0.0200	0.00518	mg/L		01/04/23 06:14	01/04/23 17:02	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**1460**		5.00	2.18	mg/L			01/05/23 18:47	1
Total Dissolved Solids (SM 2540C)	**1420**		20.0	17.4	mg/L			01/04/23 15:33	1

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-3

Lab Sample ID: 570-122369-4
Matrix: Water
Date Collected: 12/30/22 10:30
Date Received: 12/31/22 10:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- C)	ND		2.00	0.596	mg/L			01/13/23 16:47	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-122369-5
Matrix: Water
Date Collected: 12/30/22 00:00
Date Received: 12/31/22 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 20:04	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 20:04	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 20:04	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 20:04	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 20:04	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 20:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 20:04	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 20:04	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 20:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 20:04	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 20:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 20:04	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 20:04	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 20:04	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 20:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:04	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 20:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 20:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 20:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 20:04	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 20:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 20:04	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 20:04	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 20:04	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 20:04	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 20:04	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 20:04	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 20:04	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 20:04	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 20:04	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 20:04	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 20:04	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 20:04	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 20:04	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 20:04	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 20:04	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 20:04	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 20:04	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 20:04	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 20:04	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 20:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 20:04	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: TRIP BLANK

Date Collected: 12/30/22 00:00
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 20:04	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 20:04	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 20:04	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 20:04	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 20:04	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 20:04	1
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 20:04	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 20:04	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 20:04	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 20:04	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:04	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 20:04	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 20:04	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 20:04	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 20:04	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 20:04	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 20:04	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 20:04	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 20:04	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 20:04	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 20:04	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 20:04	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 20:04	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 20:04	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*01/03/23 20:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*01/03/23 20:04*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*01/03/23 20:04*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/03/23 20:04*	*1*

Surrogate Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-132)	(76-120)	(80-120)	(80-120)
570-122369-1	W-MW-22	104	96	103	101
570-122369-2	W-MW-11	104	99	101	99
570-122369-3	W-MW-31	101	96	101	100
570-122369-4	W-MW-3	104	96	102	101
570-122369-5	TRIP BLANK	100	96	101	100
LCS 570-293426/3	Lab Control Sample	103	99	102	101
LCSD 570-293426/4	Lab Control Sample Dup	103	100	101	101
MB 570-293426/6	Method Blank	105	97	102	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-122369-1	W-MW-22	81	81	93
570-122369-2	W-MW-11	84	86	94
570-122369-3	W-MW-31	89	91	109
570-122369-4	W-MW-3	78	76	86
570-122369-4 - DL	W-MW-3	78	71	88
LCS 570-293910/2-A	Lab Control Sample	84	78	89
LCSD 570-293910/3-A	Lab Control Sample Dup	88	87	91
MB 570-293910/1-A	Method Blank	89	86	99

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Lab Sample ID: MB 570-293426/6
Matrix: Water
Analysis Batch: 293426

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			01/03/23 19:14	1
Toluene	ND		0.50	0.14	ug/L			01/03/23 19:14	1
Ethylbenzene	ND		0.50	0.16	ug/L			01/03/23 19:14	1
o-Xylene	ND		0.50	0.18	ug/L			01/03/23 19:14	1
m,p-Xylene	ND		1.0	0.39	ug/L			01/03/23 19:14	1
Xylenes, Total	ND		1.0	0.39	ug/L			01/03/23 19:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			01/03/23 19:14	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			01/03/23 19:14	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			01/03/23 19:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			01/03/23 19:14	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/23 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/23 19:14	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			01/03/23 19:14	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			01/03/23 19:14	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			01/03/23 19:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 19:14	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			01/03/23 19:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			01/03/23 19:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			01/03/23 19:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			01/03/23 19:14	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			01/03/23 19:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			01/03/23 19:14	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			01/03/23 19:14	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			01/03/23 19:14	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			01/03/23 19:14	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			01/03/23 19:14	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			01/03/23 19:14	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			01/03/23 19:14	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			01/03/23 19:14	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			01/03/23 19:14	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			01/03/23 19:14	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			01/03/23 19:14	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			01/03/23 19:14	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			01/03/23 19:14	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			01/03/23 19:14	1
Acetone	ND		8.0	3.6	ug/L			01/03/23 19:14	1
Bromobenzene	ND		0.50	0.14	ug/L			01/03/23 19:14	1
Bromochloromethane	ND		1.0	0.27	ug/L			01/03/23 19:14	1
Bromoform	ND		0.50	0.28	ug/L			01/03/23 19:14	1
Bromomethane	ND		2.0	1.9	ug/L			01/03/23 19:14	1
Carbon disulfide	ND		1.0	0.32	ug/L			01/03/23 19:14	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/23 19:14	1
Chlorobenzene	ND		0.50	0.12	ug/L			01/03/23 19:14	1
Dibromochloromethane	ND		0.50	0.21	ug/L			01/03/23 19:14	1
Chloroethane	ND		0.50	0.38	ug/L			01/03/23 19:14	1
Chloroform	ND		0.50	0.17	ug/L			01/03/23 19:14	1
Chloromethane	ND		1.0	0.65	ug/L			01/03/23 19:14	1
Dibromomethane	ND		0.50	0.16	ug/L			01/03/23 19:14	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Lab Sample ID: MB 570-293426/6
Matrix: Water
Analysis Batch: 293426

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.50	0.15	ug/L			01/03/23 19:14	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			01/03/23 19:14	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			01/03/23 19:14	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			01/03/23 19:14	1
Isopropylbenzene	ND		0.50	0.21	ug/L			01/03/23 19:14	1
2-Butanone	ND		5.0	2.9	ug/L			01/03/23 19:14	1
Methylene Chloride	ND		1.0	0.40	ug/L			01/03/23 19:14	1
2-Hexanone	ND		6.0	2.0	ug/L			01/03/23 19:14	1
Naphthalene	ND		1.0	0.55	ug/L			01/03/23 19:14	1
n-Butylbenzene	ND		0.50	0.24	ug/L			01/03/23 19:14	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/23 19:14	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			01/03/23 19:14	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			01/03/23 19:14	1
Styrene	ND		0.50	0.27	ug/L			01/03/23 19:14	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			01/03/23 19:14	1
Tetrachloroethene	ND		0.50	0.16	ug/L			01/03/23 19:14	1
Trichloroethene	ND		0.50	0.15	ug/L			01/03/23 19:14	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			01/03/23 19:14	1
Vinyl chloride	ND		0.50	0.23	ug/L			01/03/23 19:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 132*		*01/03/23 19:14*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*01/03/23 19:14*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*01/03/23 19:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/03/23 19:14*	*1*

Lab Sample ID: LCS 570-293426/3
Matrix: Water
Analysis Batch: 293426

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.026		ug/L		90	80 - 120
Toluene	10.0	9.281		ug/L		93	80 - 120
Ethylbenzene	10.0	9.044		ug/L		90	80 - 126
o-Xylene	10.0	9.229		ug/L		92	80 - 124
m,p-Xylene	10.0	9.131		ug/L		91	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.625		ug/L		96	69 - 128
1,1-Dichloroethene	10.0	8.516		ug/L		85	80 - 126
1,2-Dichlorobenzene	10.0	9.359		ug/L		94	80 - 120
1,2-Dichloroethane	10.0	9.670		ug/L		97	76 - 130
Carbon tetrachloride	10.0	8.380		ug/L		84	61 - 139
Chlorobenzene	10.0	9.198		ug/L		92	80 - 120
1,2-Dibromoethane	10.0	9.250		ug/L		92	80 - 125
Hexachloro-1,3-butadiene	10.0	8.941		ug/L		89	80 - 123
Trichloroethene	10.0	9.012		ug/L		90	77 - 124
Vinyl chloride	10.0	11.02		ug/L		110	50 - 160

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Lab Sample ID: LCS 570-293426/3
Matrix: Water
Analysis Batch: 293426

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*
4-Bromofluorobenzene (Surr)	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-293426/4
Matrix: Water
Analysis Batch: 293426

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
Benzene			10.0	9.269		ug/L		93	80 - 120	3	20
Toluene			10.0	9.560		ug/L		96	80 - 120	3	20
Ethylbenzene			10.0	9.413		ug/L		94	80 - 126	4	20
o-Xylene			10.0	9.642		ug/L		96	80 - 124	4	20
m,p-Xylene			10.0	9.500		ug/L		95	80 - 123	4	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.830		ug/L		98	69 - 128	2	20
1,1-Dichloroethene			10.0	8.729		ug/L		87	80 - 126	2	21
1,2-Dichlorobenzene			10.0	9.523		ug/L		95	80 - 120	2	20
1,2-Dichloroethane			10.0	9.752		ug/L		98	76 - 130	1	20
Carbon tetrachloride			10.0	8.756		ug/L		88	61 - 139	4	20
Chlorobenzene			10.0	9.422		ug/L		94	80 - 120	2	20
1,2-Dibromoethane			10.0	9.665		ug/L		97	80 - 125	4	20
Hexachloro-1,3-butadiene			10.0	9.376		ug/L		94	80 - 123	5	20
Trichloroethene			10.0	9.430		ug/L		94	77 - 124	5	20
Vinyl chloride			10.0	11.95		ug/L		120	50 - 160	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-293910/1-A
Matrix: Water
Analysis Batch: 294587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 293910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		01/05/23 12:12	01/09/23 17:51	1
Acenaphthylene	ND		0.20	0.069	ug/L		01/05/23 12:12	01/09/23 17:51	1
Anthracene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 17:51	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		01/05/23 12:12	01/09/23 17:51	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		01/05/23 12:12	01/09/23 17:51	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 17:51	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		01/05/23 12:12	01/09/23 17:51	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		01/05/23 12:12	01/09/23 17:51	1
Chrysene	ND		0.20	0.059	ug/L		01/05/23 12:12	01/09/23 17:51	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: MB 570-293910/1-A
Matrix: Water
Analysis Batch: 294587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 293910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		01/05/23 12:12	01/09/23 17:51	1
Fluoranthene	ND		0.20	0.068	ug/L		01/05/23 12:12	01/09/23 17:51	1
Fluorene	ND		0.20	0.075	ug/L		01/05/23 12:12	01/09/23 17:51	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		01/05/23 12:12	01/09/23 17:51	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 17:51	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		01/05/23 12:12	01/09/23 17:51	1
Naphthalene	ND		0.20	0.083	ug/L		01/05/23 12:12	01/09/23 17:51	1
Phenanthrene	ND		0.20	0.073	ug/L		01/05/23 12:12	01/09/23 17:51	1
Pyrene	ND		0.20	0.066	ug/L		01/05/23 12:12	01/09/23 17:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*33 - 144*	*01/05/23 12:12*	*01/09/23 17:51*	*1*
Nitrobenzene-d5 (Surr)	*86*		*28 - 139*	*01/05/23 12:12*	*01/09/23 17:51*	*1*
p-Terphenyl-d14 (Surr)	*99*		*23 - 160*	*01/05/23 12:12*	*01/09/23 17:51*	*1*

Lab Sample ID: LCS 570-293910/2-A
Matrix: Water
Analysis Batch: 294587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 293910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.627		ug/L		81	55 - 121
Acenaphthylene	2.00	1.932		ug/L		97	33 - 145
Anthracene	2.00	1.828		ug/L		91	27 - 133
Benzo[a]anthracene	2.00	1.679		ug/L		84	33 - 143
Benzo[a]pyrene	2.00	1.435		ug/L		72	17 - 163
Benzo[b]fluoranthene	2.00	1.573		ug/L		79	24 - 159
Benzo[g,h,i]perylene	2.00	1.844		ug/L		92	25 - 157
Benzo[k]fluoranthene	2.00	1.770		ug/L		89	24 - 159
Chrysene	2.00	1.938		ug/L		97	17 - 168
Dibenz(a,h)anthracene	2.00	1.485		ug/L		74	25 - 175
Fluoranthene	2.00	1.729		ug/L		86	26 - 137
Fluorene	2.00	1.636		ug/L		82	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.529		ug/L		76	25 - 175
1-Methylnaphthalene	2.00	1.571		ug/L		79	20 - 140
2-Methylnaphthalene	2.00	1.529		ug/L		76	21 - 140
Naphthalene	2.00	1.568		ug/L		78	21 - 133
Phenanthrene	2.00	1.722		ug/L		86	54 - 120
Pyrene	2.00	1.763		ug/L		88	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*84*		*33 - 144*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*
p-Terphenyl-d14 (Surr)	*89*		*23 - 160*

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-293910/3-A
Matrix: Water
Analysis Batch: 294587

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 293910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	1.907		ug/L		95	55 - 121	16	25
Acenaphthylene			2.00	2.147		ug/L		107	33 - 145	11	25
Anthracene			2.00	2.032		ug/L		102	27 - 133	11	25
Benzo[a]anthracene			2.00	1.786		ug/L		89	33 - 143	6	25
Benzo[a]pyrene			2.00	1.503		ug/L		75	17 - 163	5	25
Benzo[b]fluoranthene			2.00	1.675		ug/L		84	24 - 159	6	25
Benzo[g,h,i]perylene			2.00	1.871		ug/L		94	25 - 157	1	25
Benzo[k]fluoranthene			2.00	1.815		ug/L		91	24 - 159	2	25
Chrysene			2.00	2.066		ug/L		103	17 - 168	6	25
Dibenz(a,h)anthracene			2.00	1.468		ug/L		73	25 - 175	1	25
Fluoranthene			2.00	1.951		ug/L		98	26 - 137	12	25
Fluorene			2.00	1.866		ug/L		93	59 - 121	13	25
Indeno[1,2,3-cd]pyrene			2.00	1.530		ug/L		77	25 - 175	0	25
1-Methylnaphthalene			2.00	1.805		ug/L		90	20 - 140	14	25
2-Methylnaphthalene			2.00	1.752		ug/L		88	21 - 140	14	25
Naphthalene			2.00	1.801		ug/L		90	21 - 133	14	25
Phenanthrene			2.00	1.904		ug/L		95	54 - 120	10	25
Pyrene			2.00	1.859		ug/L		93	45 - 129	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*
Nitrobenzene-d5 (Surr)	*87*		*28 - 139*
p-Terphenyl-d14 (Surr)	*91*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-293865/1-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 293865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		01/05/23 10:41	01/05/23 18:35	1

Lab Sample ID: LCS 570-293865/2-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 293865

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00800	0.008704		mg/L		109	85 - 115		

Lab Sample ID: LCSD 570-293865/3-A
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 293865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.008026		mg/L		100	85 - 115	8	10

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 570-122390-AA-2-H MS
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 293865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00800	0.008601		mg/L		108	85 - 115

Lab Sample ID: 570-122390-AA-2-I MSD
Matrix: Water
Analysis Batch: 293994

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 293865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.008540		mg/L		107	85 - 115	1	10

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-122210-F-1-B MS
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 293222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.4904		mg/L		98	80 - 140
Barium	0.0503	B	0.500	0.5103		mg/L		92	87 - 123
Cadmium	ND		0.500	0.4474		mg/L		89	82 - 124
Chromium	0.00640	J	0.500	0.4730		mg/L		93	86 - 122
Lead	ND		0.500	0.4502		mg/L		90	84 - 120
Selenium	ND		0.500	0.4581		mg/L		92	79 - 127
Silver	ND		0.250	0.2391		mg/L		96	86 - 128

Lab Sample ID: 570-122210-F-1-C MSD
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 293222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.4896		mg/L		98	80 - 140	0	11
Barium	0.0503	B	0.500	0.5119		mg/L		92	87 - 123	0	6
Cadmium	ND		0.500	0.4466		mg/L		89	82 - 124	0	7
Chromium	0.00640	J	0.500	0.4763		mg/L		94	86 - 122	1	8
Lead	ND		0.500	0.4485		mg/L		90	84 - 120	0	7
Selenium	ND		0.500	0.4651		mg/L		93	79 - 127	2	9
Silver	ND		0.250	0.2390		mg/L		96	86 - 128	0	7

Lab Sample ID: MB 570-293222/1-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/03/23 08:45	01/03/23 19:07	1
Barium	0.002300	J	0.0100	0.00111	mg/L		01/03/23 08:45	01/03/23 19:07	1
Cadmium	ND		0.0100	0.000620	mg/L		01/03/23 08:45	01/03/23 19:07	1
Chromium	ND		0.0500	0.00296	mg/L		01/03/23 08:45	01/03/23 19:07	1
Lead	ND		0.0500	0.00527	mg/L		01/03/23 08:45	01/03/23 19:07	1
Selenium	ND		0.0500	0.0162	mg/L		01/03/23 08:45	01/03/23 19:07	1
Silver	ND		0.0100	0.00259	mg/L		01/03/23 08:45	01/03/23 19:07	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Lab Sample ID: LCS 570-293222/2-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4609		mg/L		92	80 - 120
Barium	0.500	0.4686		mg/L		94	80 - 120
Cadmium	0.500	0.4624		mg/L		92	80 - 120
Chromium	0.500	0.4663		mg/L		93	80 - 120
Lead	0.500	0.4666		mg/L		93	80 - 120
Selenium	0.500	0.4537		mg/L		91	80 - 120
Silver	0.250	0.2325		mg/L		93	80 - 120

Lab Sample ID: LCSD 570-293222/3-A
Matrix: Water
Analysis Batch: 293484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 293222

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.4550		mg/L		91	80 - 120	1	20
Barium	0.500	0.4609		mg/L		92	80 - 120	2	20
Cadmium	0.500	0.4548		mg/L		91	80 - 120	2	20
Chromium	0.500	0.4602		mg/L		92	80 - 120	1	20
Lead	0.500	0.4632		mg/L		93	80 - 120	1	20
Selenium	0.500	0.4442		mg/L		89	80 - 120	2	20
Silver	0.250	0.2299		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 570-293519/1-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		01/04/23 06:14	01/04/23 17:10	1
Barium	ND		0.0100	0.00111	mg/L		01/04/23 06:14	01/04/23 17:10	1
Cadmium	ND		0.0100	0.000620	mg/L		01/04/23 06:14	01/04/23 17:10	1
Chromium	ND		0.0500	0.00296	mg/L		01/04/23 06:14	01/04/23 17:10	1
Lead	ND		0.0500	0.00527	mg/L		01/04/23 06:14	01/04/23 17:10	1
Selenium	ND		0.0500	0.0162	mg/L		01/04/23 06:14	01/04/23 17:10	1
Silver	ND		0.0100	0.00259	mg/L		01/04/23 06:14	01/04/23 17:10	1

Lab Sample ID: LCS 570-293519/2-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4877		mg/L		98	80 - 120
Barium	0.500	0.4909		mg/L		98	80 - 120
Cadmium	0.500	0.4880		mg/L		98	80 - 120
Chromium	0.500	0.4964		mg/L		99	80 - 120
Lead	0.500	0.4905		mg/L		98	80 - 120
Selenium	0.500	0.4687		mg/L		94	80 - 120
Silver	0.250	0.2535		mg/L		101	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

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

Lab Sample ID: LCSD 570-293519/3-A
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.4943		mg/L		99	80 - 120	1	20
Barium			0.500	0.4952		mg/L		99	80 - 120	1	20
Cadmium			0.500	0.4924		mg/L		98	80 - 120	1	20
Chromium			0.500	0.5017		mg/L		100	80 - 120	1	20
Lead			0.500	0.4958		mg/L		99	80 - 120	1	20
Selenium			0.500	0.4755		mg/L		95	80 - 120	1	20
Silver			0.250	0.2556		mg/L		102	80 - 120	1	20

Lab Sample ID: 570-120915-O-1-B MS
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.5159		mg/L		103	80 - 140
Barium	0.0584		0.500	0.5585		mg/L		100	87 - 123
Cadmium	ND		0.500	0.4813		mg/L		96	82 - 124
Chromium	0.00310	J	0.500	0.5068		mg/L		101	86 - 122
Lead	ND		0.500	0.4945		mg/L		99	84 - 120
Selenium	ND		0.500	0.4924		mg/L		98	79 - 127
Silver	ND		0.250	0.2701		mg/L		108	86 - 128

Lab Sample ID: 570-120915-O-1-C MSD
Matrix: Water
Analysis Batch: 293725

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 293519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5138		mg/L		103	80 - 140	0	11
Barium	0.0584		0.500	0.5582		mg/L		100	87 - 123	0	6
Cadmium	ND		0.500	0.4798		mg/L		96	82 - 124	0	7
Chromium	0.00310	J	0.500	0.5085		mg/L		101	86 - 122	0	8
Lead	ND		0.500	0.4878		mg/L		98	84 - 120	1	7
Selenium	ND		0.500	0.4826		mg/L		97	79 - 127	2	9
Silver	ND		0.250	0.2698		mg/L		108	86 - 128	0	7

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-293962/36
Matrix: Water
Analysis Batch: 293962

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	2.18	mg/L			01/05/23 17:37	1

Lab Sample ID: MB 570-293962/5
Matrix: Water
Analysis Batch: 293962

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	2.18	mg/L			01/05/23 12:32	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 570-293962/34
Matrix: Water
Analysis Batch: 293962

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity, Total (As CaCO3)			106	95.96		mg/L		91	80 - 120		

Lab Sample ID: LCSD 570-293962/35
Matrix: Water
Analysis Batch: 293962

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			106	89.48		mg/L		84	80 - 120	7	20

Lab Sample ID: 570-122043-K-1 DU
Matrix: Water
Analysis Batch: 293962

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total (As CaCO3)	34.7			34.67		mg/L				0	25

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

Lab Sample ID: MB 570-293692/3
Matrix: Water
Analysis Batch: 293692

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	8.70	mg/L			01/04/23 15:33	1

Lab Sample ID: LCS 570-293692/4
Matrix: Water
Analysis Batch: 293692

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			1000	960.0		mg/L		96	84 - 108		

Lab Sample ID: LCSD 570-293692/5
Matrix: Water
Analysis Batch: 293692

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			1000	1008		mg/L		101	84 - 108	5	10

Lab Sample ID: 570-122369-1 DU
Matrix: Water
Analysis Batch: 293692

Client Sample ID: W-MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	687			687.0		mg/L				0	10

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-295805/1
Matrix: Water
Analysis Batch: 295805

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.596	mg/L			01/13/23 16:47	1

Lab Sample ID: LCS 570-295805/2
Matrix: Water
Analysis Batch: 295805

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	100.3		mg/L		100	80 - 120		

Lab Sample ID: LCSD 570-295805/3
Matrix: Water
Analysis Batch: 295805

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			100	99.77		mg/L		100	80 - 120	1	10

Lab Sample ID: 570-122369-1 MS
Matrix: Water
Analysis Batch: 295805

Client Sample ID: W-MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	31.6		100	132.6		mg/L		101	75 - 125		

Lab Sample ID: 570-122369-1 MSD
Matrix: Water
Analysis Batch: 295805

Client Sample ID: W-MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.6		100	141.8		mg/L		110	75 - 125	7	15

Lab Sample ID: 570-122369-1 DU
Matrix: Water
Analysis Batch: 295805

Client Sample ID: W-MW-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	31.6			31.31		mg/L				1	15

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

GC/MS VOA

Analysis Batch: 293426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	8260B	
570-122369-2	W-MW-11	Total/NA	Water	8260B	
570-122369-3	W-MW-31	Total/NA	Water	8260B	
570-122369-4	W-MW-3	Total/NA	Water	8260B	
570-122369-5	TRIP BLANK	Total/NA	Water	8260B	
MB 570-293426/6	Method Blank	Total/NA	Water	8260B	
LCS 570-293426/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-293426/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 293910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	3510C	
570-122369-2	W-MW-11	Total/NA	Water	3510C	
570-122369-3	W-MW-31	Total/NA	Water	3510C	
570-122369-4 - DL	W-MW-3	Total/NA	Water	3510C	
570-122369-4	W-MW-3	Total/NA	Water	3510C	
MB 570-293910/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-293910/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-293910/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 294587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	8270C SIM	293910
570-122369-2	W-MW-11	Total/NA	Water	8270C SIM	293910
570-122369-3	W-MW-31	Total/NA	Water	8270C SIM	293910
570-122369-4	W-MW-3	Total/NA	Water	8270C SIM	293910
MB 570-293910/1-A	Method Blank	Total/NA	Water	8270C SIM	293910
LCS 570-293910/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	293910
LCSD 570-293910/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	293910

Analysis Batch: 294739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-4 - DL	W-MW-3	Total/NA	Water	8270C SIM	293910

Metals

Prep Batch: 293222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total Recoverable	Water	3005A	
570-122369-2	W-MW-11	Total Recoverable	Water	3005A	
570-122369-3	W-MW-31	Total Recoverable	Water	3005A	
MB 570-293222/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-293222/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-293222/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-122210-F-1-B MS	Matrix Spike	Total/NA	Water	3005A	
570-122210-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 293484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total Recoverable	Water	6010B	293222

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Metals (Continued)

Analysis Batch: 293484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-2	W-MW-11	Total Recoverable	Water	6010B	293222
570-122369-3	W-MW-31	Total Recoverable	Water	6010B	293222
MB 570-293222/1-A	Method Blank	Total Recoverable	Water	6010B	293222
LCS 570-293222/2-A	Lab Control Sample	Total Recoverable	Water	6010B	293222
LCSD 570-293222/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	293222
570-122210-F-1-B MS	Matrix Spike	Total/NA	Water	6010B	293222
570-122210-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	293222

Prep Batch: 293519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-4	W-MW-3	Total Recoverable	Water	3005A	
MB 570-293519/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-293519/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-293519/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-120915-O-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-120915-O-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 293725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-4	W-MW-3	Total Recoverable	Water	6010B	293519
MB 570-293519/1-A	Method Blank	Total Recoverable	Water	6010B	293519
LCS 570-293519/2-A	Lab Control Sample	Total Recoverable	Water	6010B	293519
LCSD 570-293519/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	293519
570-120915-O-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	293519
570-120915-O-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	293519

Prep Batch: 293865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	245.1	
570-122369-2	W-MW-11	Total/NA	Water	245.1	
570-122369-3	W-MW-31	Total/NA	Water	245.1	
570-122369-4	W-MW-3	Total/NA	Water	245.1	
MB 570-293865/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-293865/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-293865/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-122390-AA-2-H MS	Matrix Spike	Total/NA	Water	245.1	
570-122390-AA-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 293994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	245.1	293865
570-122369-2	W-MW-11	Total/NA	Water	245.1	293865
570-122369-3	W-MW-31	Total/NA	Water	245.1	293865
570-122369-4	W-MW-3	Total/NA	Water	245.1	293865
MB 570-293865/1-A	Method Blank	Total/NA	Water	245.1	293865
LCS 570-293865/2-A	Lab Control Sample	Total/NA	Water	245.1	293865
LCSD 570-293865/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	293865
570-122390-AA-2-H MS	Matrix Spike	Total/NA	Water	245.1	293865
570-122390-AA-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	293865

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

General Chemistry

Analysis Batch: 293692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	SM 2540C	
570-122369-2	W-MW-11	Total/NA	Water	SM 2540C	
570-122369-3	W-MW-31	Total/NA	Water	SM 2540C	
570-122369-4	W-MW-3	Total/NA	Water	SM 2540C	
MB 570-293692/3	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-293692/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-293692/5	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-122369-1 DU	W-MW-22	Total/NA	Water	SM 2540C	

Analysis Batch: 293962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	SM 2320B	
570-122369-2	W-MW-11	Total/NA	Water	SM 2320B	
570-122369-3	W-MW-31	Total/NA	Water	SM 2320B	
570-122369-4	W-MW-3	Total/NA	Water	SM 2320B	
MB 570-293962/36	Method Blank	Total/NA	Water	SM 2320B	
MB 570-293962/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-293962/34	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-293962/35	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-122043-K-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 295805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-122369-1	W-MW-22	Total/NA	Water	SM 4500 Cl- C	
570-122369-2	W-MW-11	Total/NA	Water	SM 4500 Cl- C	
570-122369-3	W-MW-31	Total/NA	Water	SM 4500 Cl- C	
570-122369-4	W-MW-3	Total/NA	Water	SM 4500 Cl- C	
MB 570-295805/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-295805/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-295805/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-122369-1 MS	W-MW-22	Total/NA	Water	SM 4500 Cl- C	
570-122369-1 MSD	W-MW-22	Total/NA	Water	SM 4500 Cl- C	
570-122369-1 DU	W-MW-22	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-22

Date Collected: 12/30/22 07:55
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293426	01/03/23 20:28	N1A	EET CAL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1055.4 mL	2 mL	293910	01/05/23 12:12	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294587	01/09/23 18:57	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:11	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 20:04	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 18:25	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293692	01/04/23 15:33	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW-11

Date Collected: 12/30/22 08:28
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293426	01/03/23 20:53	N1A	EET CAL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1001.5 mL	2 mL	293910	01/05/23 12:12	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294587	01/09/23 19:19	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:13	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 20:07	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 18:32	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293692	01/04/23 15:33	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: W-MW-31

Date Collected: 12/30/22 08:57
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293426	01/03/23 21:18	N1A	EET CAL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1005.8 mL	2 mL	293910	01/05/23 12:12	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294587	01/09/23 19:42	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:15	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293222	01/03/23 08:45	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			293484	01/03/23 20:02	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 18:38	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	293692	01/04/23 15:33	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW-3

Date Collected: 12/30/22 10:30
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	20 mL	20 mL	293426	01/03/23 21:43	N1A	EET CAL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			995.1 mL	2 mL	293910	01/05/23 12:12	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	294587	01/09/23 20:04	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C	DL		995.1 mL	2 mL	293910	01/05/23 12:12	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM	DL	10	1 mL	1 mL	294739	01/10/23 13:04	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	293865	01/05/23 10:41	JP8N	EET CAL 4
Total/NA	Analysis	245.1		1			293994	01/05/23 19:17	C0YH	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	293519	01/04/23 06:14	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		2			293725	01/04/23 17:02	A1W	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	293962	01/05/23 18:47	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	293692	01/04/23 15:33	ZL7L	EET CAL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	295805	01/13/23 16:47	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Client Sample ID: TRIP BLANK

Date Collected: 12/30/22 00:00
Date Received: 12/31/22 10:10

Lab Sample ID: 570-122369-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	293426	01/03/23 20:04	N1A	EET CAL 4
	Instrument ID: GCMSUU									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-122369-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	Acetone
8260B		Water	Isopropylbenzene
8260B		Water	p-Isopropyltoluene
8270C SIM	3510C	Water	1-Methylnaphthalene
8270C SIM	3510C	Water	Pyrene

Oregon	NELAP	4175	02-02-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 Cl- C		Water	Chloride

Method Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-122369-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8270C SIM	PAHs (GC/MS SIM)	SW846	EET CAL 4
245.1	Mercury (CVAA)	EPA	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
SM 2320B	Alkalinity	SM	EET CAL 4
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CAL 4
SM 4500 Cl- C	Chloride, Total	SM	EET CAL 4
245.1	Preparation, Mercury	EPA	EET CAL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

eurofins | Calscience

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station / 3612

CHAIN OF CUSTODY RECORD

DATE: 12/30/22
PAGE: 1 OF 1
Loc. 570
122369

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

GLOBAL ID #/ COELT LOG CODE:
EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson
SAMPLER(S): Jose Uanuez

LAB USE ONLY
COOLER RECEIPT Temp = ____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As Ba Cd Cr Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW 22	MW-22	12/30/22	07:55	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
2	W-MW-11	MW-11	12/30/22	08 28	W	8	X	X	X	X	X	3 vials with HCL, 250mL Plastic with HNO3, 2-250mL Plastic, 2-500mL AMBER Glass
3	W-MW-31	MW 31	12/30/22	08:27	W	8	X	X	X	X	X	3 vials with HCL, 250mL Plastic with HNO3, 2-250mL Plastic, 2 500mL AMBER Glass
4	W MW 3	MW 3	12/30/22	10 30	W	8	X	X	X	X	X	3 vials with HCL, 250mL Plastic with HNO3 2-250mL Plastic, 2 500mL AMBER Glass
5	TRIP BLANK	QCTB	12/30/22	—	W	2	X					
6					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
7					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
8					W	7						3 vials with HCL, 1-1L Amber Glass 250mL Plastic with HNO3 2-250mL Plastic,
9					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
10					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
11					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
12					W	7						3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,

570-122369 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature) Fedex NO	Date & Time: 12/31/22 1010 NO
Relinquished by: (Signature) Fedex	Received by: (Signature)	Date, & Time: 12/31/22 1010
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC Gladiola Station-NM Site COC-16 samples.xls

2 9/2) 2011

XO DTHA

SNA 92780 CA-US

TRK# 3928 6574 7727 0201

PRIORITY OVERNIGHT

SATURDAY 12:00P

FedEx Express

J224222101801UV

(949) 260-1022

REF:

INV:

PO:

DEPT:

TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
2841 DOW AVE
STE 100
TUSTIN CA 92780

ORIGIN ID:HOBA (951) 817-4747
CARDNO LAKE FOREST
SUITE 805
1735 E WILSHIRE AVE STE 805
SANTA ANA, CA 92705
UNITED STATES US

SHIP DATE: 30DEC22
ACTWGT: 52.60 LB
CAD: 6994246/SSFE2341
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-455-HRDW REV 02/23

570-122369 Waybill

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-122369-1

Login Number: 122369
List Number: 1
Creator: Ortiz-Luis, Michael

List Source: Eurofins Calscience

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

APPENDIX C

Recycling Documentation

ALAMO 1

BILL OF LADING

AR22-00658

GENERATOR

GENERATING NAME AND ADDRESS:
ExxonMobil Pipeline Company LLC c/o Cardno
4572 Telephone Road, #916
Ventura, CA 93003
PHONE NO 805-644-4157

GENERATING LOCATION/ADDRESS:
ExxonMobil Pipeline Company-Gladiola Station
Copeland Rd., 3 miles N of the Intersection of Copeland Rd & Hwy 39
Tatum, NM 88267
PHONE NO: 805-644-4157

GENERATOR'S US EPA ID NO: NA

STATE GENERATOR'S ID: NA

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE
LNAPL/Purge Water for Recycle (Non-DOT, Non-RCRA Regulated)	NA	1	G	2	D

TYPE: D - DRUM, C - CARTON, B - BAG, T - TRUCK, P - POUNDS, Y - YARDS, O - OTHER

GENERATOR AUTHORIZED AGENT NAME: on Behalf of Exxon Mobil LLC

SIGNATURE:

SHIPMENT DATE: 12-30-22

TRANSPORTER

TRUCK NO: 35035

PHONE NO: 210-404-1220

TRANSPORTER NAME: Alamo 1

DRIVER NAME (PRINT): Richard Schrba

ADDRESS: 2900 Nacogdoches Road
San Antonio, TX 78217

VEHICLE LICENSE NO./STATE:

VEHICLE CERTIFICATION:

US EPA ID NO: TXR000085052

STATE TRANSPORTER'S ID: 97487

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

I HEREBY CERTIFY THAT THE ABOVE-NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

DRIVER SIGNATURE:

SHIPMENT DATE: 12-30-22

DRIVER SIGNATURE:

SHIPMENT DATE: 1-5-23

DESTINATION

SITE NAME: Alamo Petroleum Exchange

PHONE NO: 210-404-1220

ADDRESS: 17730 State Hwy 16 S San Antonio, TX 78264

US EPA ID NO: TXD987991866

STATE FACILITIES ID: 41654

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

NAME OF AUTHORIZED AGENT: Sarah Mims

SIGNATURE:

RECEIPT DATE: 01/06/2023

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409237
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Second Half of the 2022 Groundwater Monitoring and Status Report for Former Gladiola Station has been received by the OCD. Please submit all future reports in a timely manner. This report is dated February 24, 2023 and was due to be received in the first quarter of 2024 at the latest. Report not received by the OCD until 12/06/2024.	12/11/2024