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October 2, 2024
File: 203722919.2H23

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

Reference: Second Half 2023 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 2023 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

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c. Mr. Chris Bear, ExxonMobil Environmental and Property Solutions Company

Stantec

Second Half 2023 Groundwater Monitoring and Status Report

Former Gladiola Station

Lea County, New Mexico

OCD No. AP038

October 2, 2024

Prepared for:

ExxonMobil Environmental and Property Solutions Company

Prepared by:

Stantec Consulting Services Inc.

File: 203722919.2H23

SECOND HALF 2023 GROUNDWATER MONITORING AND STATUS REPORT
Former Gladiola Station

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James Anderson
Senior Program Manager

James Anderson
(signature)

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1.0 INTRODUCTION

At the request of ExxonMobil Environmental and Property Solutions, on behalf of ExxonMobil Pipeline Company LLC (ExxonMobil), Stantec Consulting Services Inc. (Stantec) prepared this semi-annual groundwater monitoring and status report for the site.

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.

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	0.005
Toluene	1
Ethylbenzene	0.7
Total Xylenes	0.62
Benzo(a)pyrene	0.0007
Total Naphthalene[1]	0.03
Arsenic	0.01
Barium	2
Cadmium	0.005
Chromium	0.015
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.



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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).

May 2009. In May 2009, NAPL was observed in off-site well MW-15 at a thickness of 0.16 foot. On October 13, 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-22 (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).

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June 2023. Stantec oversaw the installation of wells MW-33 through MW-38. Details of the work will be submitted under separate cover.

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. Laboratory analytical reports are included in Appendix B.

6.1 MONITORING WELL GAUGING AND PURGING

On September 6th and 8th, 2023, selected monitoring wells were gauged as part of a sampling event for new installed wells MW33 through MW38. On December 5th through 7th, 2023, the site's monitoring wells were gauged as part of the second half 2023 monitoring event.

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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 September 6th, 2023, groundwater samples were collected from wells MW33 through MW38, which had been installed in June 2023. Limited gauging of selected wells was performed to confirm gradient and flow direction.

On December 5th through 7th, 2023, groundwater samples were collected from all wells without NAPL. Additionally, grab groundwater samples were collected from beneath the NAPL after bailing from wells MW2, MW4, MW12, MW18 and MW19 in order to determine if there are dissolved-phase COCs at concentrations above NMWQCC standards in these source area wells. Well MW-7 was dry and there was insufficient water to collect a sample from well MW-10.

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 collected from wells with NAPL were analyzed for chloride, major ions and total dissolved solids, while samples from wells without NAPL were analyzed for all of the site’s COCs (VOCs, PAHs, RCRA8 metals, and chloride, with selected wells additionally analyzed for major ions as part of a background analysis which will be presented in a subsequent site investigation report). Analytical methods are detailed in the laboratory analytical reports in Appendix B.

6.3 NAPL BAILING

On September 7th and 8th, 2023 and December 5th through 7th, 2023, NAPL was bailed from the gauged wells with NAPL, as detailed in Table 8.

6.4 WASTE MANAGEMENT

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

7.0 RESULTS AND CONCLUSIONS

Groundwater monitoring and sampling data are summarized in Tables 1 through 7. NAPL thicknesses and groundwater depths are illustrated on Graphs 1 through 38. Groundwater elevations and NAPL thicknesses are illustrated on Plates 3 and 4. BTEX and total naphthalene concentrations are illustrated on Plate 5. TDS, chloride, and select metals concentrations are illustrated on Plate 6.

7.1 NON-AQUEOUS PHASE LIQUID

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 0.01 foot (MW-2, MW-9 and MW-23) to 2.41 feet (MW-24).

NAPL thicknesses in wells MW-18 and MW-19 decreased one order of magnitude from the first half 2022 to second half 2023 event. NAPL thicknesses in the remaining wells indicate a stable to decreasing trend.

7.2 GROUNDWATER LEVELS AND FLOW DIRECTION

Measured groundwater levels in the wells during December 2023 ranged from 36.92 feet below TOC (well MW-3) to 42.30 feet below TOC (MW-32). The groundwater flow direction was generally towards the northeast, consistent with historical results.

7.3 GROUNDWATER CONCENTRATIONS

Groundwater analytical results were compared to NMWQCC standards for the December 2023 event. Concentrations reported in the sampled wells did not exceed NMWQCC standards with the following exceptions:

- **MW-2:** Arsenic and TDS (sampled from groundwater underlying NAPL)
- **MW-3:** Benzene, total naphthalene, arsenic, barium, chromium and TDS (stable trend).
- **MW-4:** Arsenic and TDS (sampled from groundwater underlying NAPL)
- **MW-6**: Arsenic (stable trend)

- **MW-12**: Arsenic (sampled from groundwater underlying NAPL)
- **MW-17:** Benzene, total naphthalene, barium and TDS (stable trend)
- **MW-18**: TDS (sampled from groundwater underlying NAPL)
- **MW-27:** Chloride and TDS (stable trend)
- **MW-28:** Arsenic (stable trend)
- **MW-29:** Arsenic, chloride and TDS (increasing trend)
- **MW-32:** Arsenic (stable trend)
- **MW-33:** Arsenic and TDS (new well, no trend)
- **MW-34:** Arsenic (new well, no trend)
- **MW-35:** Arsenic and chromium (new well, no trend)
- **MW-36:** Chloride (new well, no trend)
- **MW-37**: TDS (new well, no trend)

With the exception of well MW-29, dissolved-phase concentrations in the wells were consistent with historical results.

The lateral extent of NAPL and dissolved-phase petroleum hydrocarbons are delineated with the exception of southeast of well MW-3 and MW-6, due to the appearance of LNAPL in MW-6 during the first half 2023 monitoring event. LNAPL and petroleum hydrocarbons were not detected in newly-installed wells MW-33 through MW-36, delineating petroleum hydrocarbons north of the site, or in newly-installed wells MW-37 and MW-38, delineating petroleum hydrocarbons south of the site.

8.0 RECOMMENDATIONS

Stantec recommends the following:

- Continue periodic groundwater monitoring.
- Complete delineation of the lateral extent of dissolved-phase hydrocarbons and LNAPL.
- Conduct a background study to evaluate if metals, chloride and/or TDS in groundwater are COCs or consistent with naturally occurring conditions.
- Continue evaluating potential source(s) of the LNAPL and remedial strategies.
- Continue submitting semi-annual groundwater monitoring reports.

9.0 ACTIVITIES PLANNED FOR FIRST HALF OF 2024

The following activities are planned to be performed at the site during the first half of 2024.

- Submit this second half 2023 groundwater monitoring and status report.
- Install an additional monitoring well (MW-39) to delineate the lateral extent of dissolved-phase hydrocarbons and LNAPL to the southeast of MW-3 and MW-6.
- Conduct the first half 2024 groundwater event.



10.0 REFERENCES

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

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

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

Cardno. April 3, 2016. *First and Second Quarter 2016 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico.*

Cardno. January 31, 2017a. *Third and Fourth Quarter 2016 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico.*

Cardno. September 6, 2017b. *First and Second Quarter 2017 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico.*

Cardno. November 8, 2018. *Report for the Installation of Six Off-Site Groundwater Monitoring Wells, Gladiola Station, Lea County, New Mexico.*

ExxonMobil Pipeline Company (ExxonMobil). November 18, 2002. *Leak, Maintenance, and Exposed Pipe Report for Gladiola Station, Lea County, New Mexico.*

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.*

New Mexico Oil Conservation Division (NMOCD). December 7, 2020. Electronic correspondence from Bradford Billings of NMOCD to Marla Madden of ExxonMobil and James Anderson of Cardno. “Subject: RE Notification of 2H20 Groundwater Monitoring Event for ExxonMobil Gladiola Station OCD No. AP038.”

FIGURES

Plate 1	Site Location Map
Plate 2	Generalized Site Plan
Plate 3	Groundwater Elevation Map 09/06 & 08/23
Plate 4	Groundwater Elevation Map 12/05-07/23
Plate 5	Groundwater Analytical Results – Petroleum Hydrocarbons September and December 2023
Plate 6	Groundwater Analytical Results – Metals and Additional Parameters September and December 2023

GRAPHS

Graphs	NAPL Thickness and Groundwater Depth vs. Time for MW-1 through MW-38

TABLES

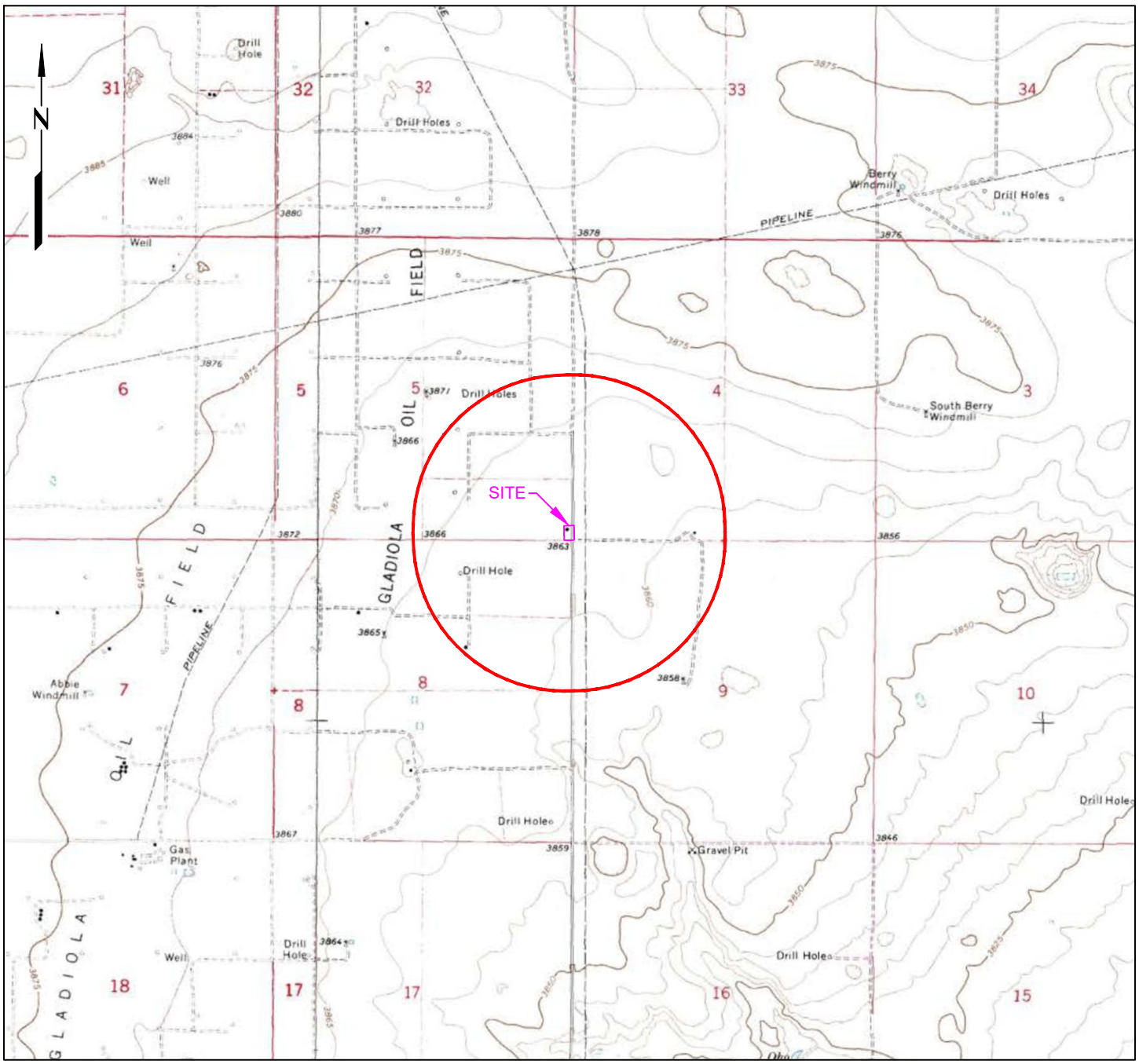
Table 1	Water Level Measurements and Groundwater Analyses
Table 2	Groundwater Analytical Results for PAHs
Table 3	Groundwater Analytical Results for Metals and Additional Parameters
Table 4	Cumulative Water Level Measurements and Groundwater Analyses
Table 5	Cumulative Groundwater Analytical Results for PAHs
Table 6	Cumulative Groundwater Analytical Results for Metals and Additional Parameters
Table 7	Cumulative Constituents Detected in Groundwater by Full Scan 8260B
Table 8	NAPL Recovery Results

APPENDICES

Appendix A	Field Data Sheets
Appendix B	Laboratory Analytical Reports
Appendix C	Recycling Documentation

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



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EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

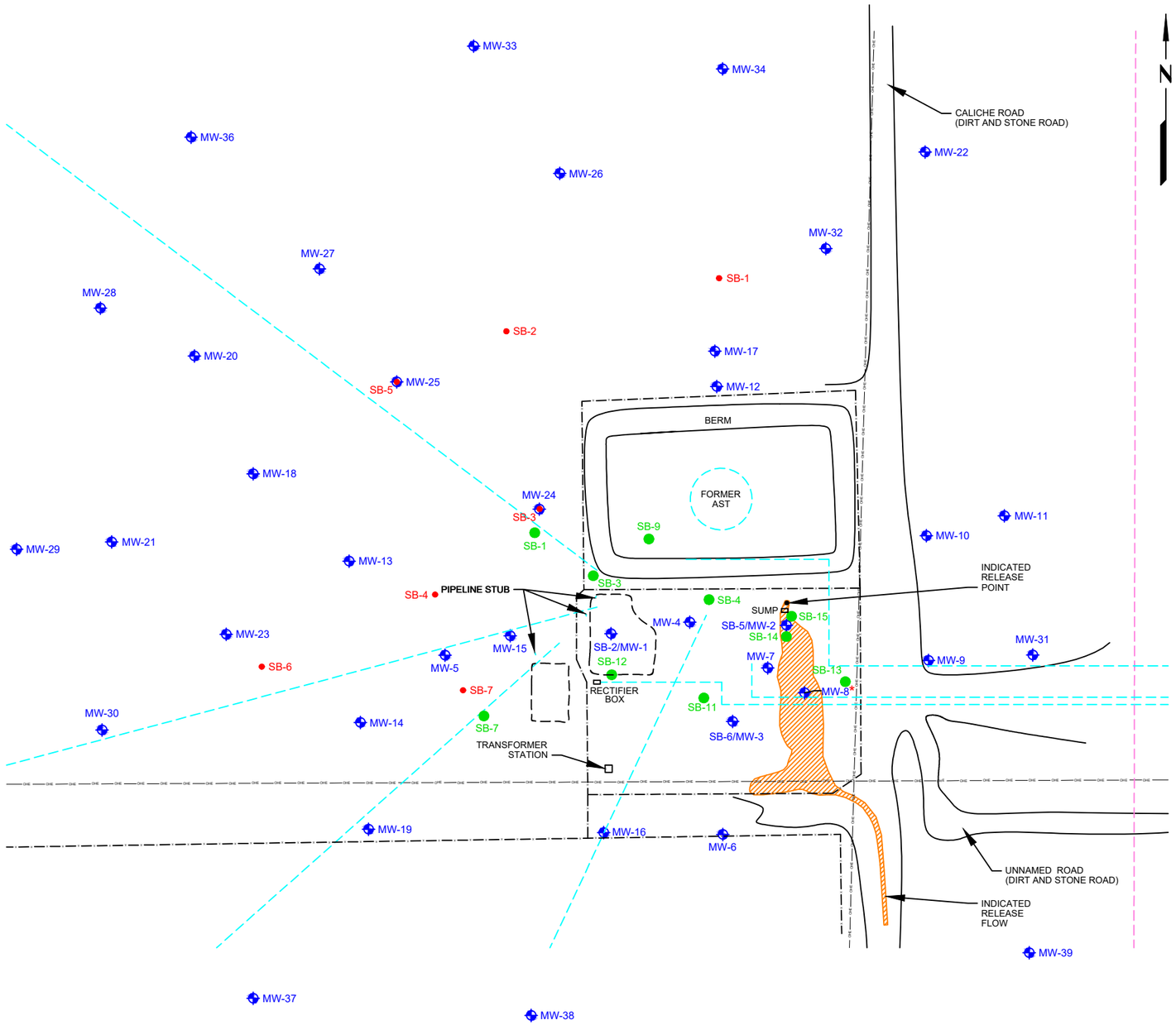
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SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO. 203722919

PLATE 1



EXPLANATION

- MW-39 — Groundwater monitoring well
- SB-15 — Soil boring (Kleinfelder)
- SB-7 — Soil boring (Groundwater & Environmental Services, Inc.)
- * — 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
Conestoga-Rovers & Associates
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
Google Earth Pro, AECOM and Kleinfelder, Inc.

APPROXIMATE SCALE

0 60 120
FEET

FN 2037229190007

GENERALIZED SITE PLAN

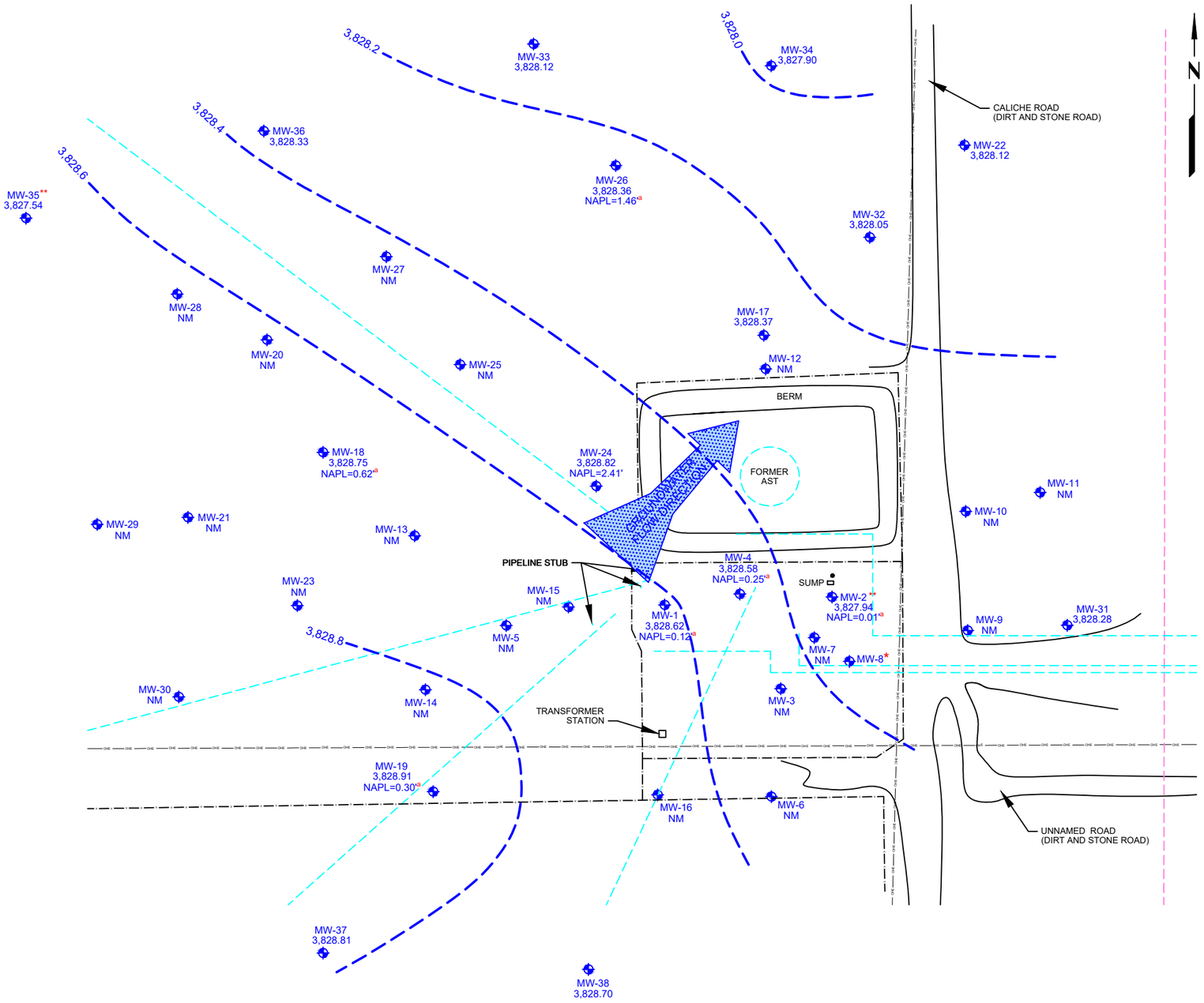
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
2

DATE: 10/02/24



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Well 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
NM	Not measured
NAPL=2.41'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

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APPROXIMATE SCALE

0 FEET

FN 2037229190007

GROUNDWATER ELEVATION MAP 09/06/23 & 09/08/23

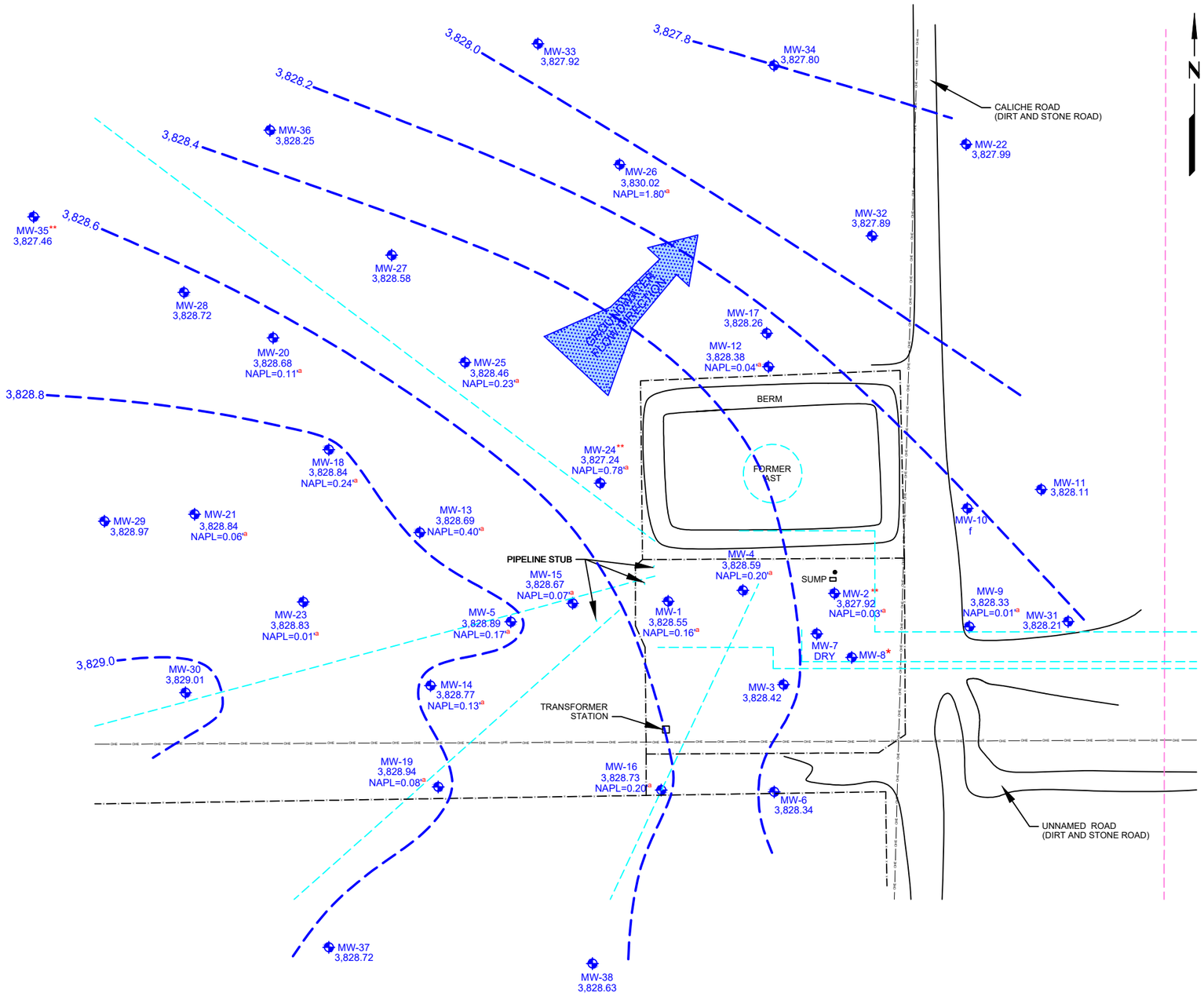
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
203722919

PLATE
3

DATE: 10/02/24



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Well 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

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APPROXIMATE SCALE

0 FEET

FN 2037229190007

GROUNDWATER ELEVATION MAP 12/05-07/23

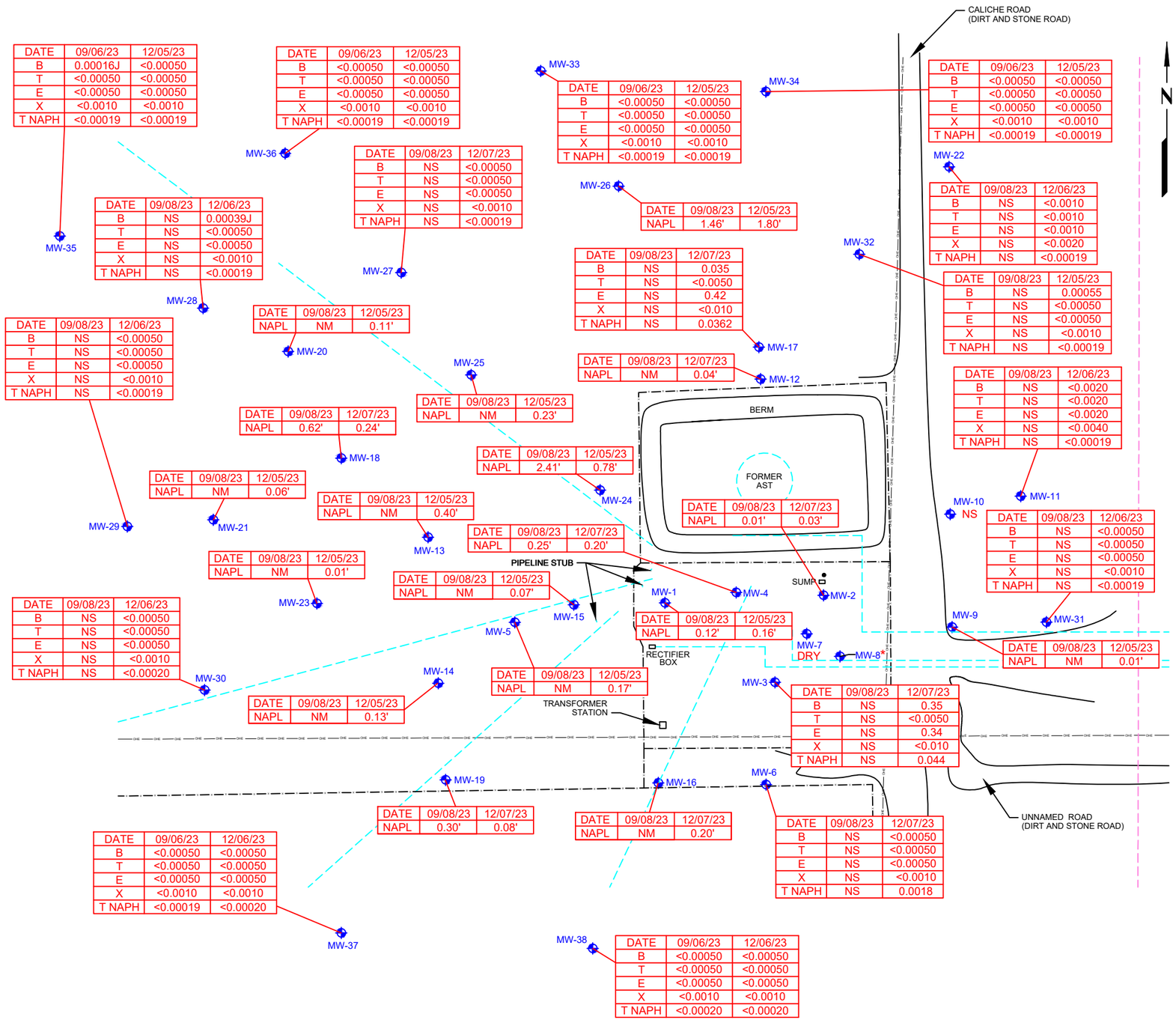
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO. 203722919

PLATE 4

DATE: 10/02/24



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
J	Estimated value between method detection limit and practical quantitation limit
<	Less than the stated laboratory reporting limit
NAPL=1.73'	Non-aqueous phase liquid thickness in feet
NM	Not measured
NS	Not sampled
0.044	Exceeds NMED WQCC HHS (0.005 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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APPROXIMATE SCALE

0 FEET

FN 2037229190007

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS SEPTEMBER AND DECEMBER 2023

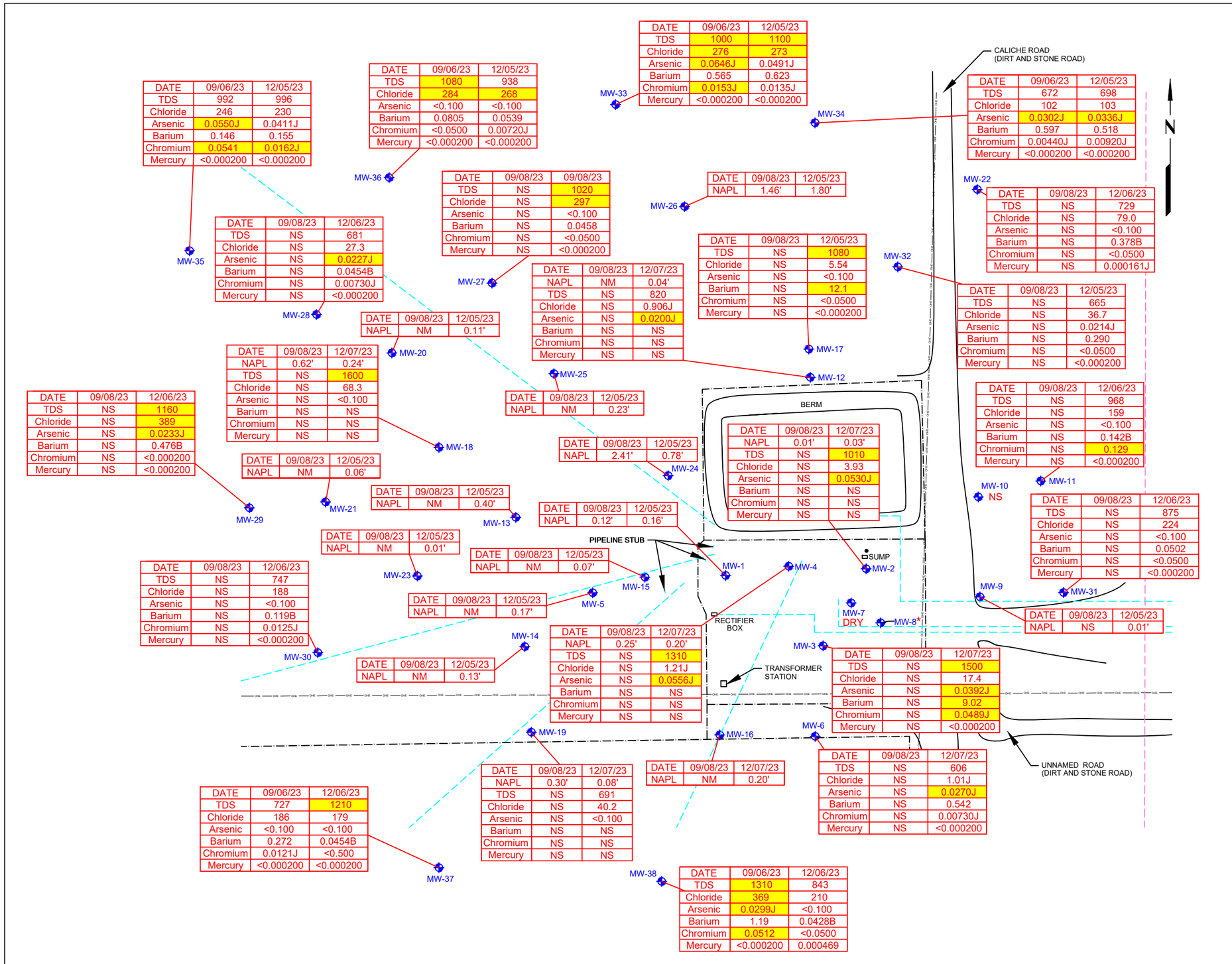
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO. 203722919

PLATE 5

DATE: 10/02/24



EXPLANATION

MW-38	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.73'	Non-aqueous phase liquid thickness in feet
NM	Not measured
NS	Not sampled
1500	Exceeds NMED WQCC HHS or DWS (1000 mg/l for TDS) (250 mg/l for chloride) (0.01 mg/l for arsenic) (2 mg/l for barium) (0.015 mg/l for chromium) (0.002 mg/l for mercury)
TDS	Total dissolved solids
Chloride	Chloride
Arsenic	Arsenic
Barium	Barium
Chromium	Chromium
Mercury	Mercury

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
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APPROXIMATE SCALE

0 FEET

FN 2037229190007

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS SEPTEMBER AND DECEMBER 2023

GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO. 203722919

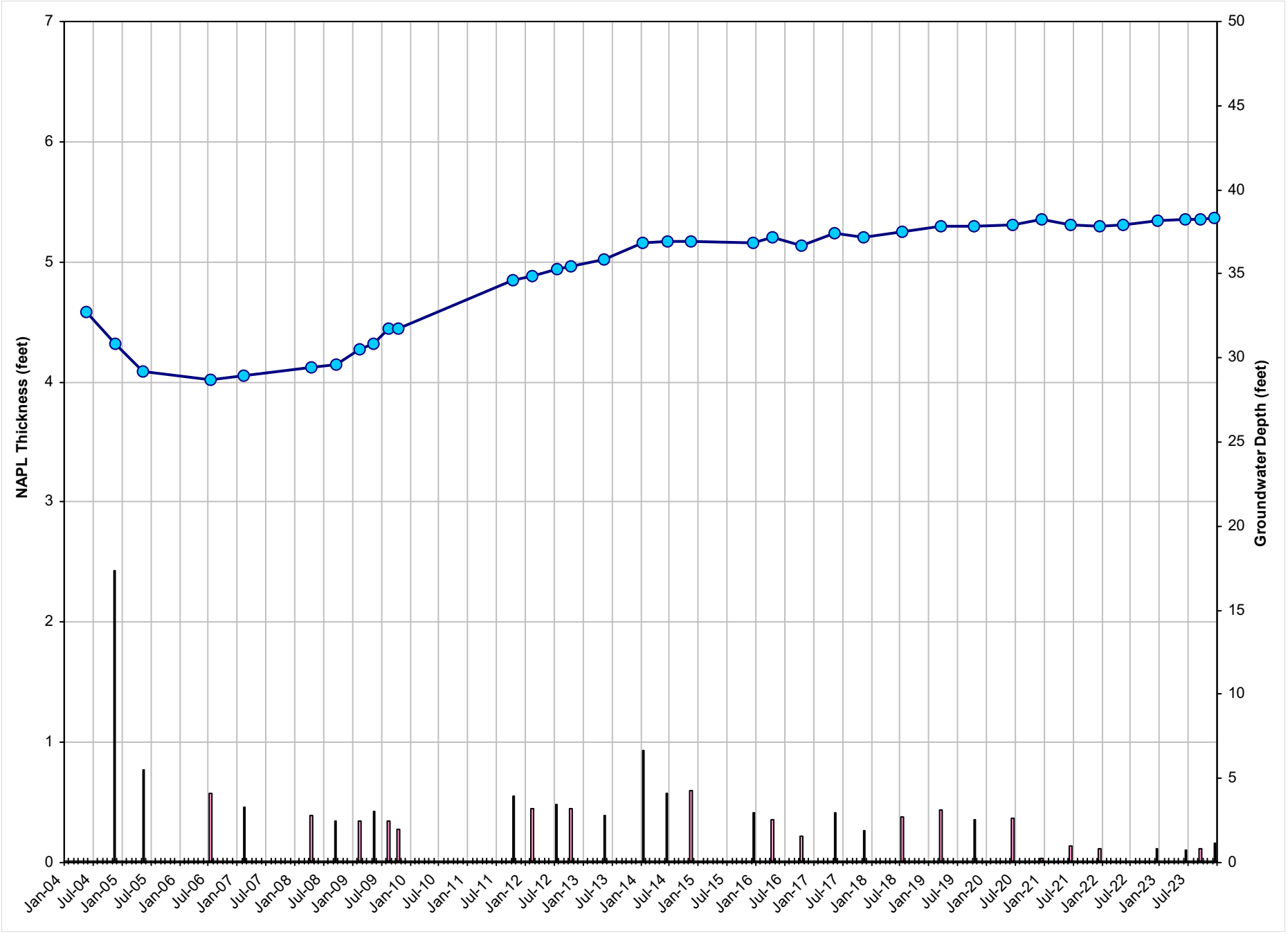
PLATE 6

DATE: 10/02/24

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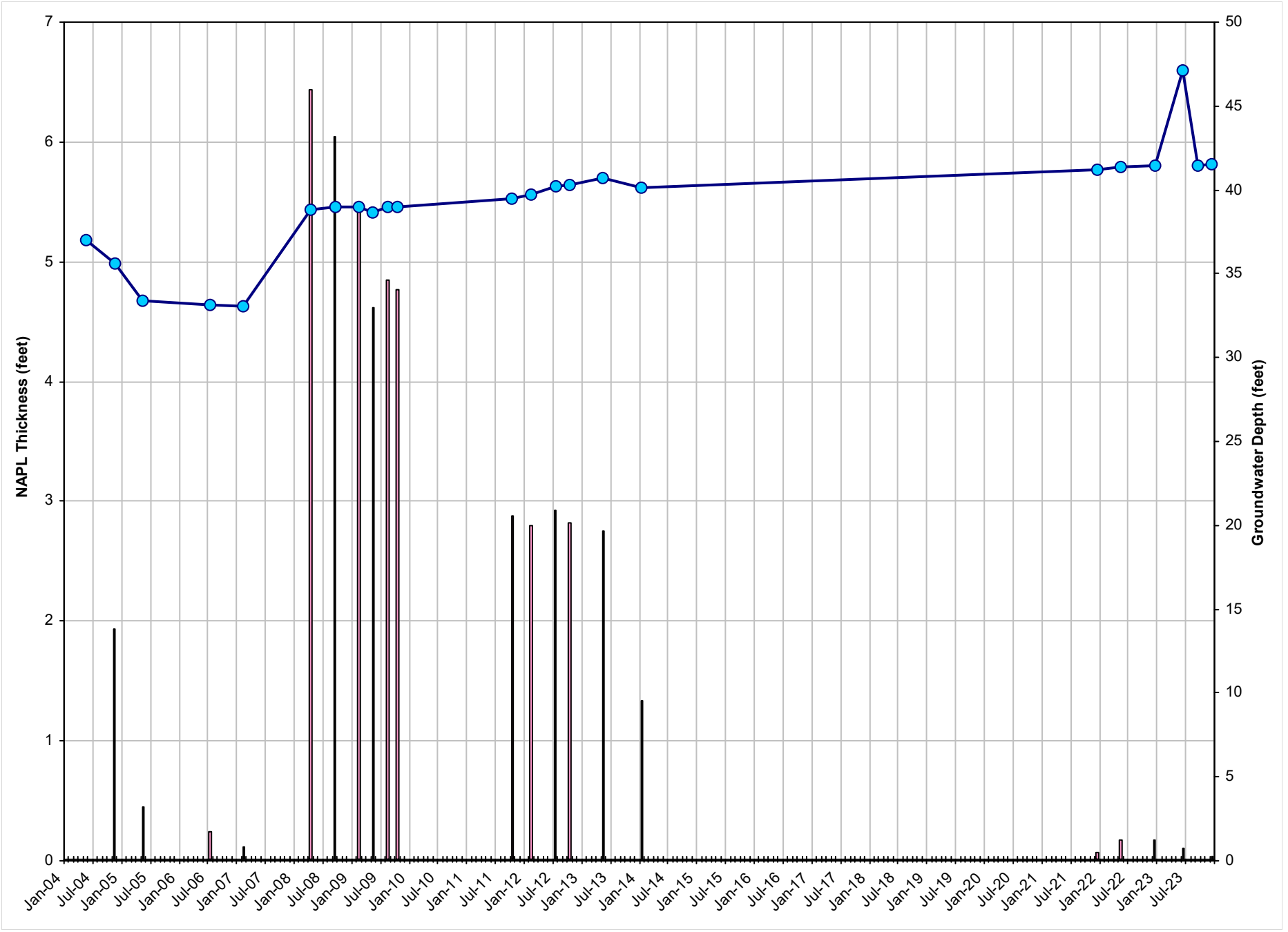
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



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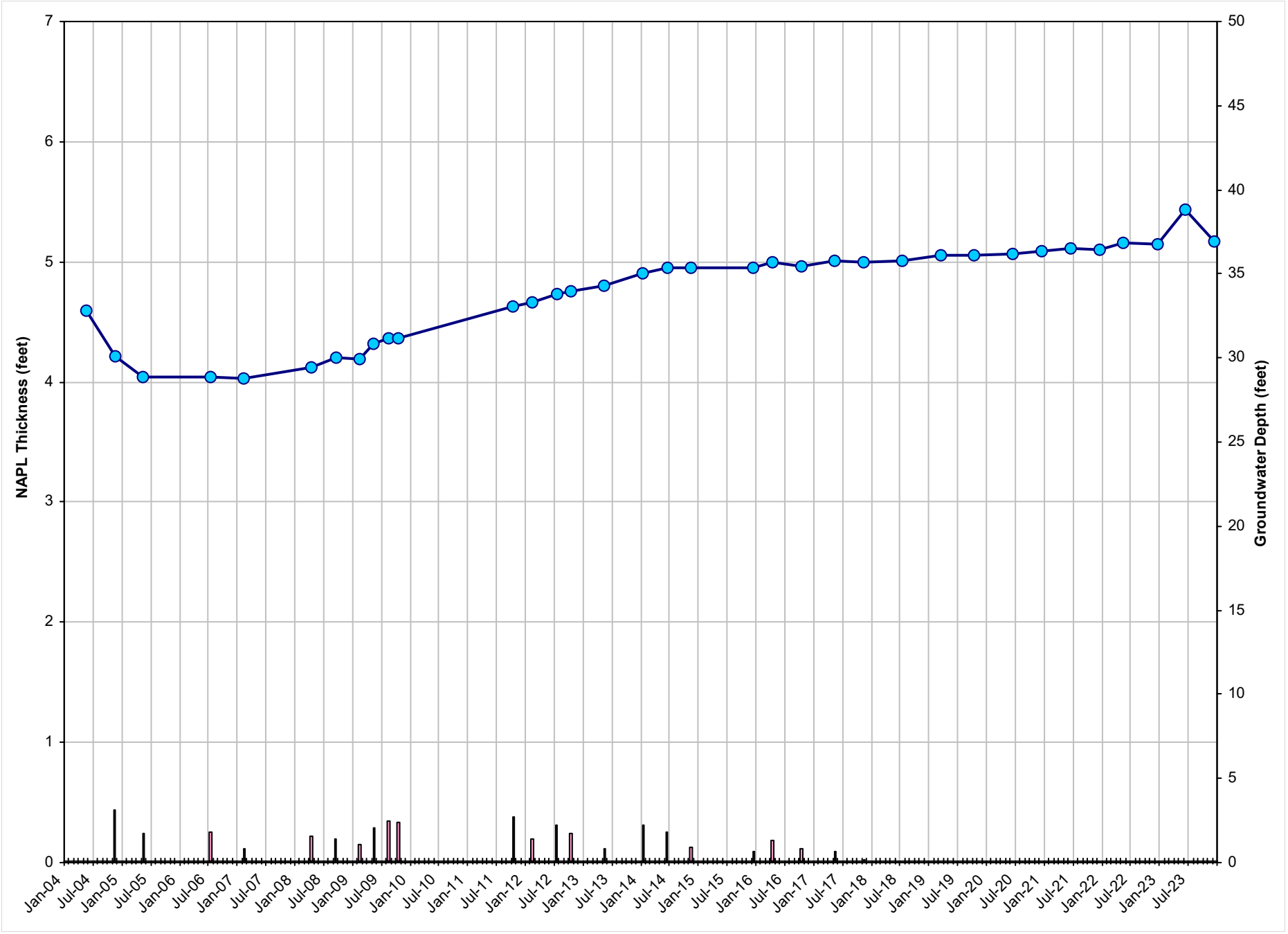
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GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



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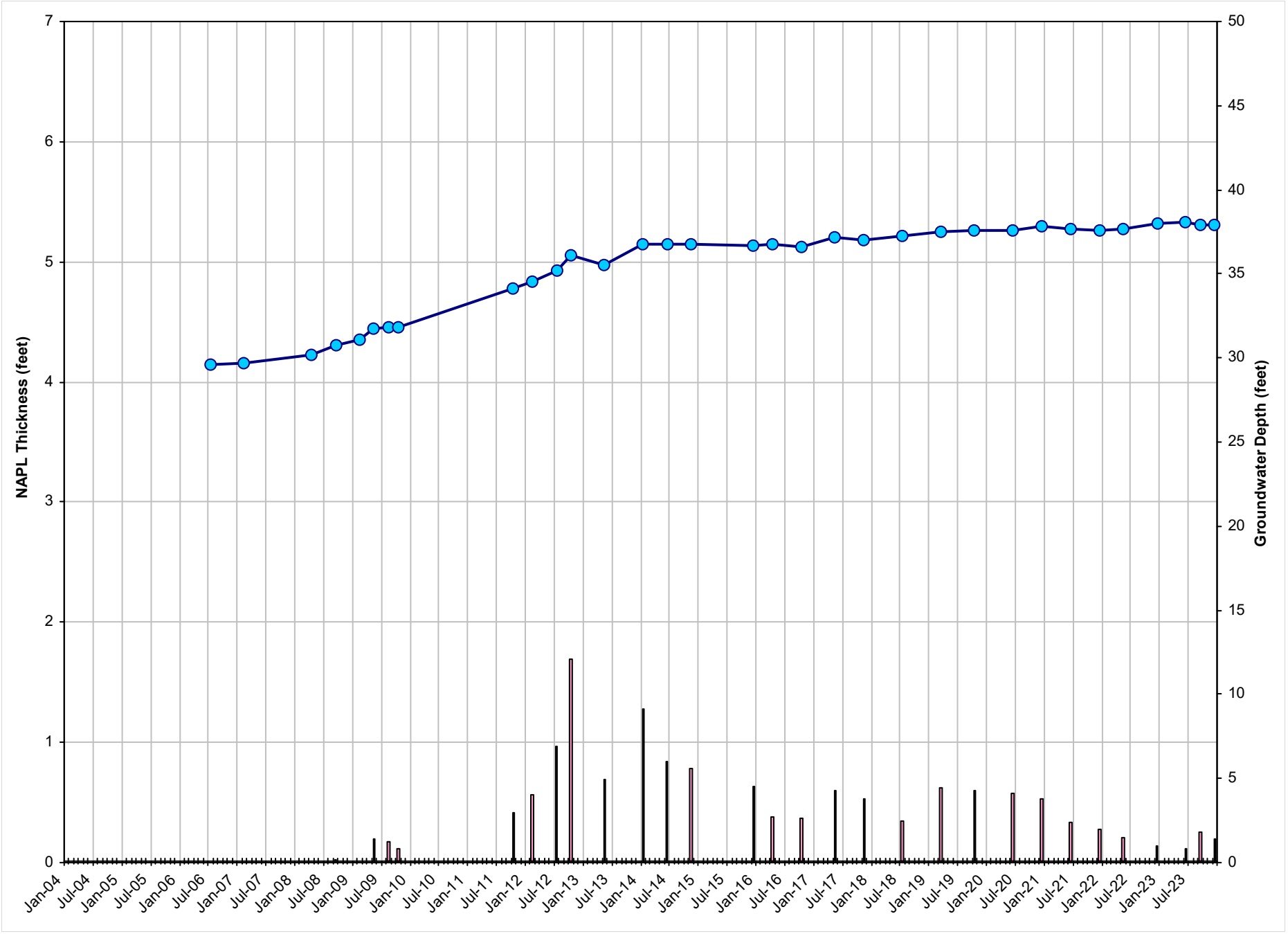
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



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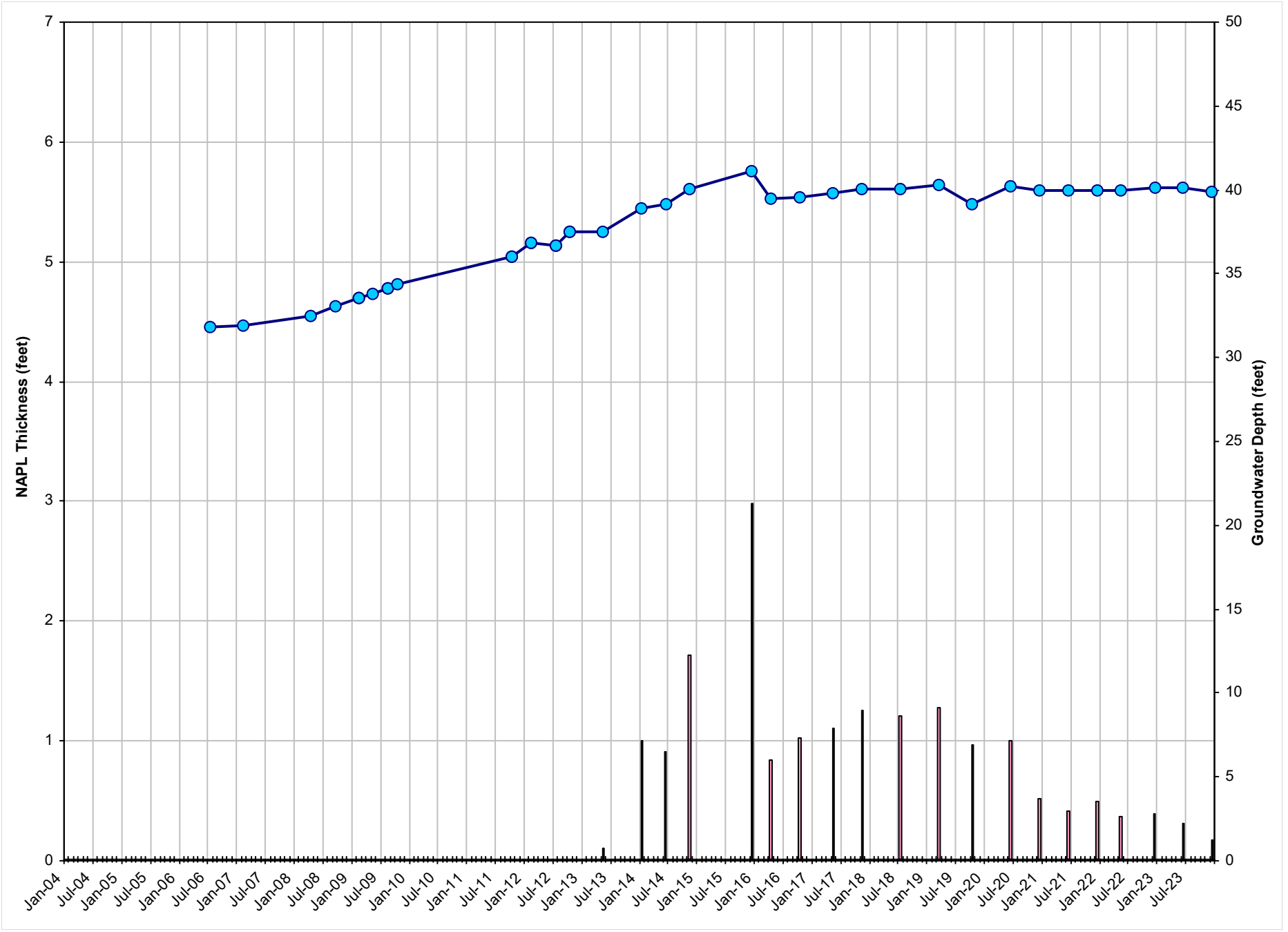
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



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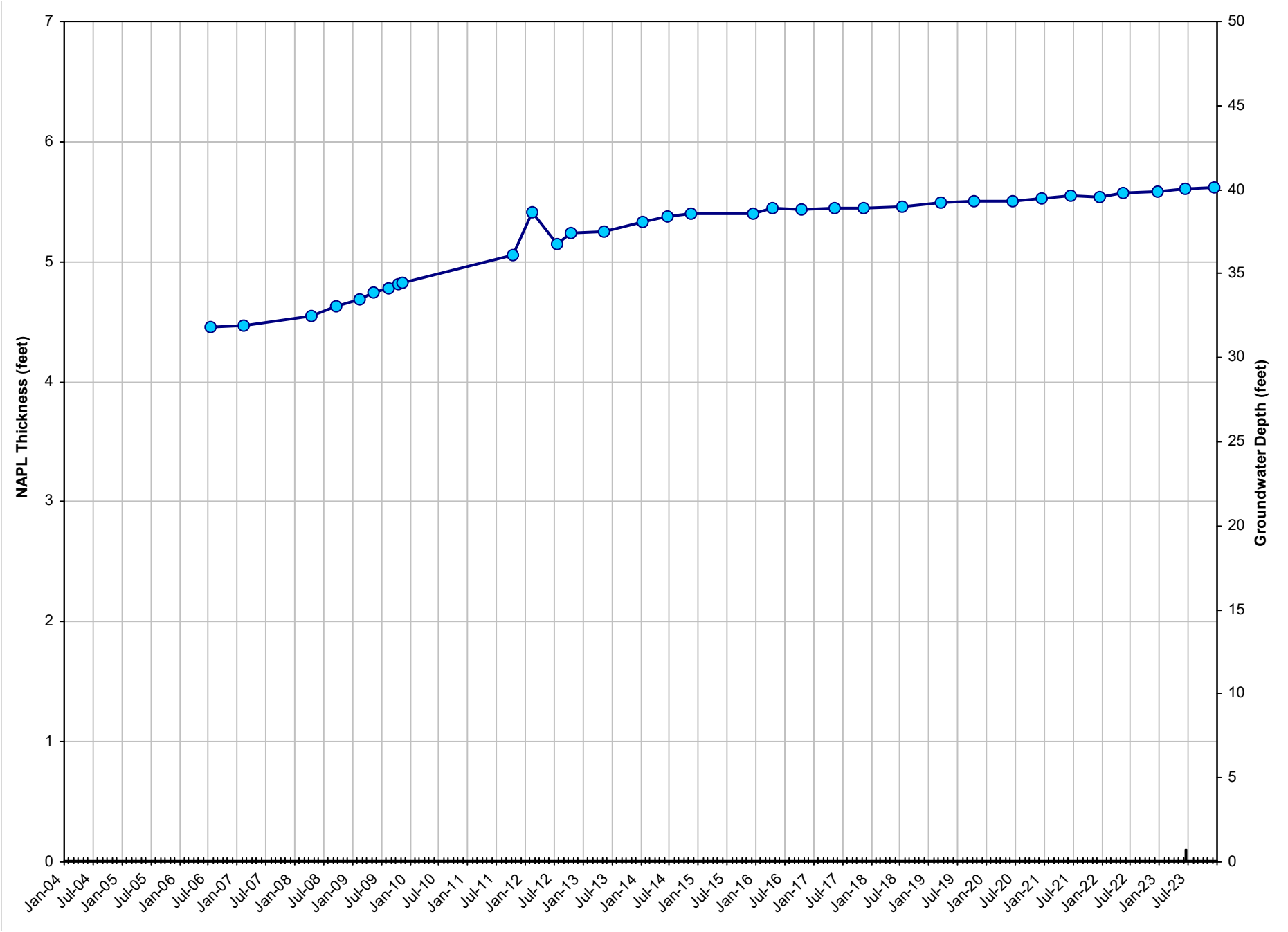
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



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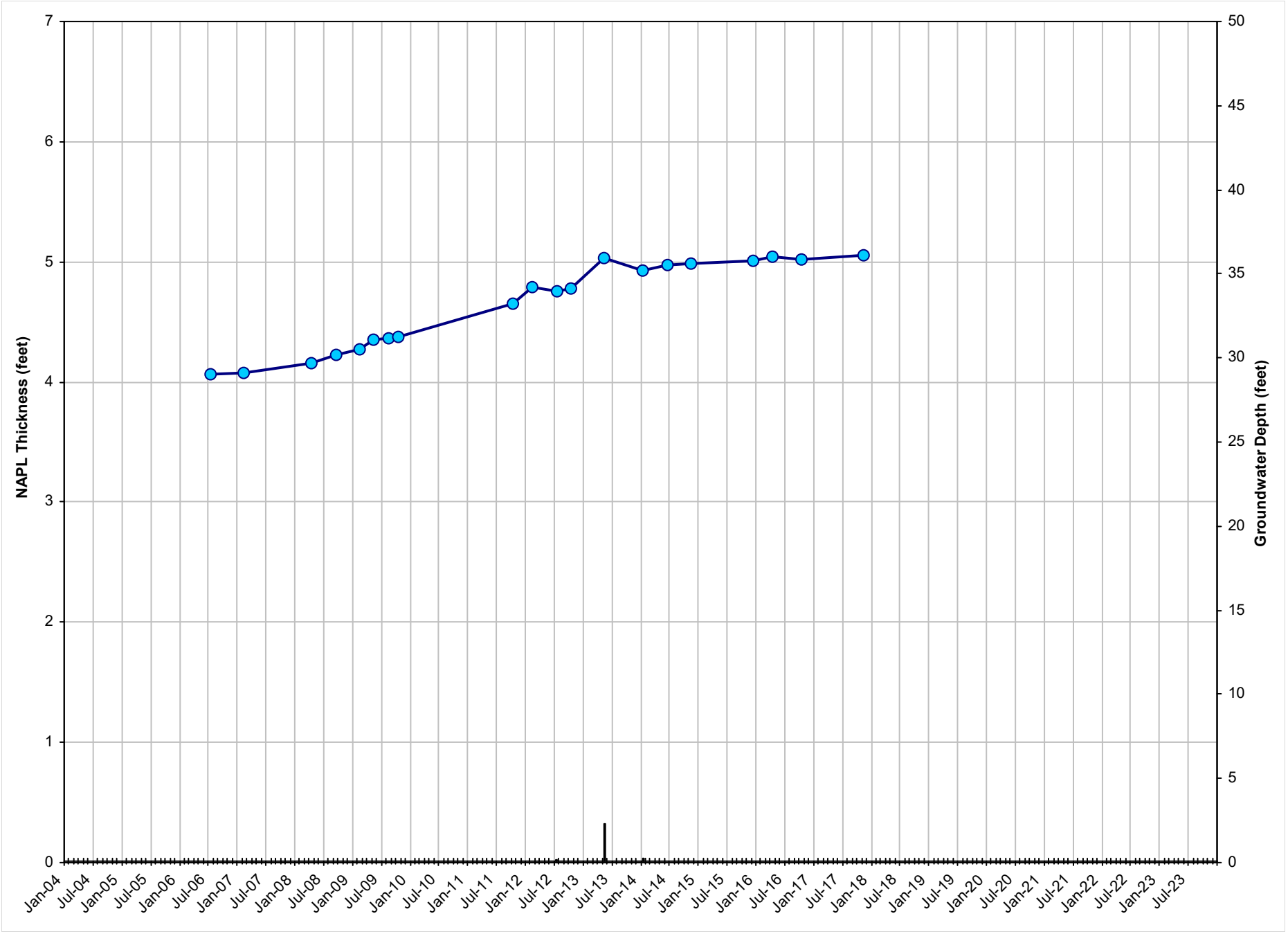
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



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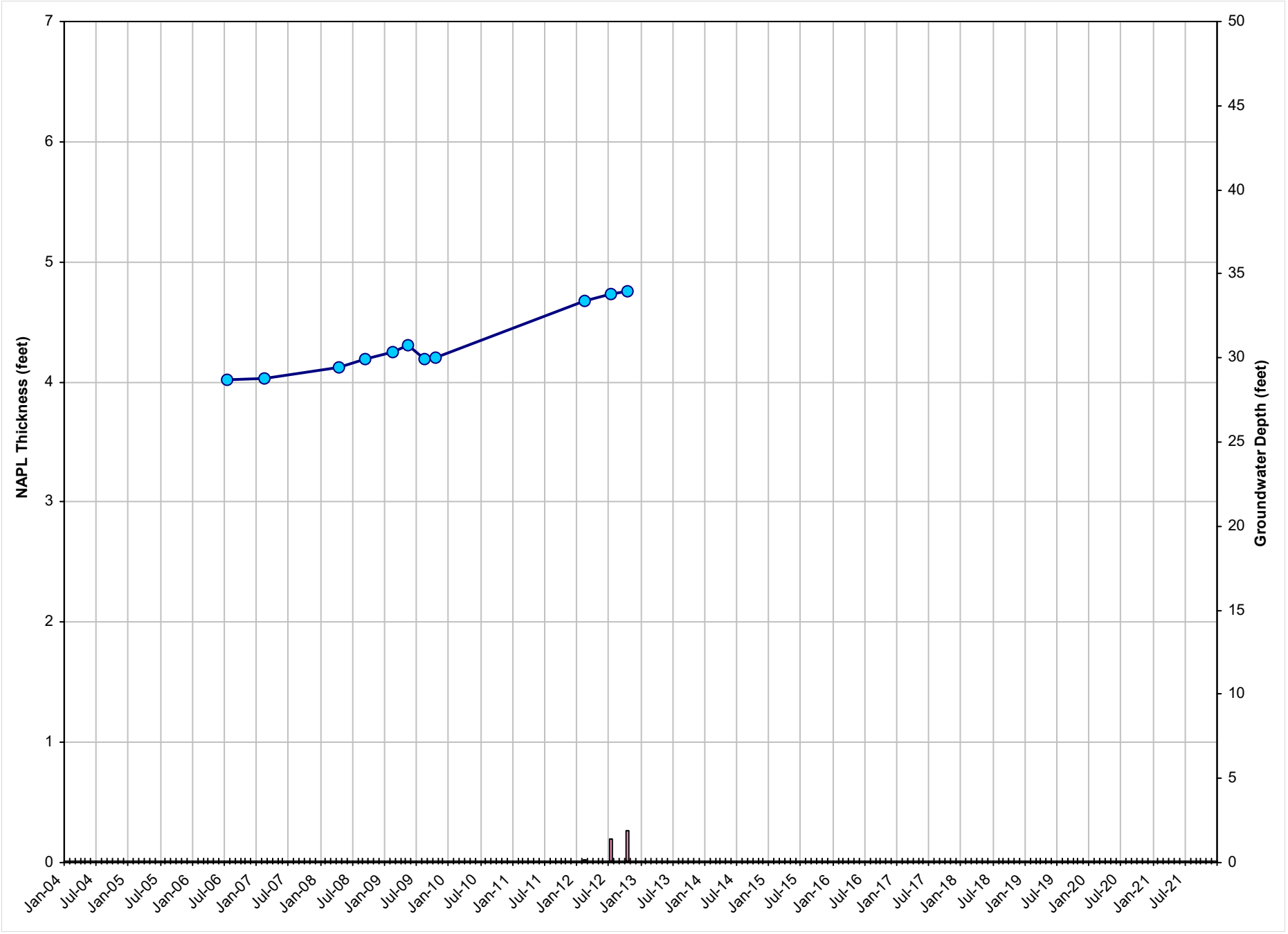
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



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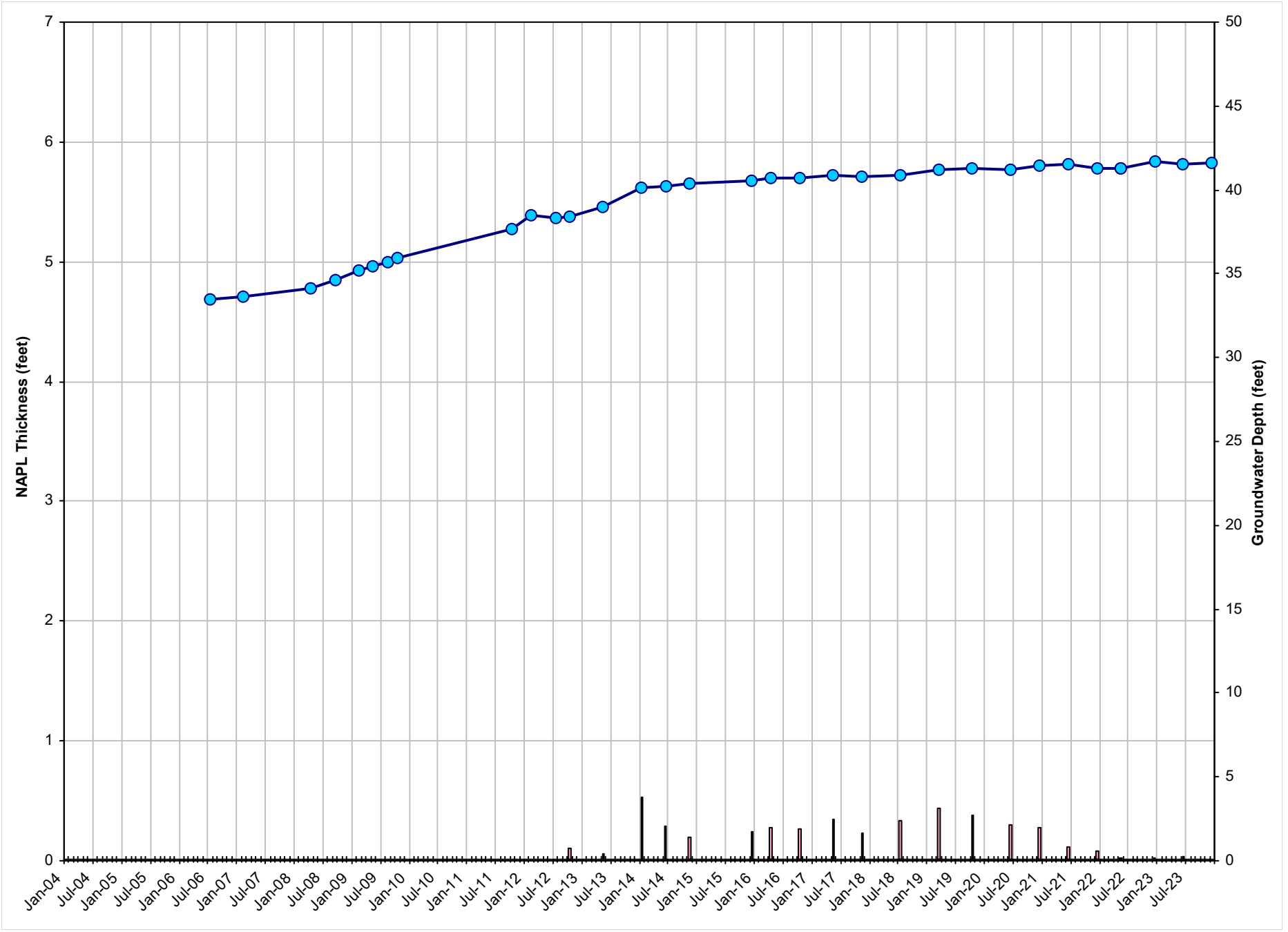
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



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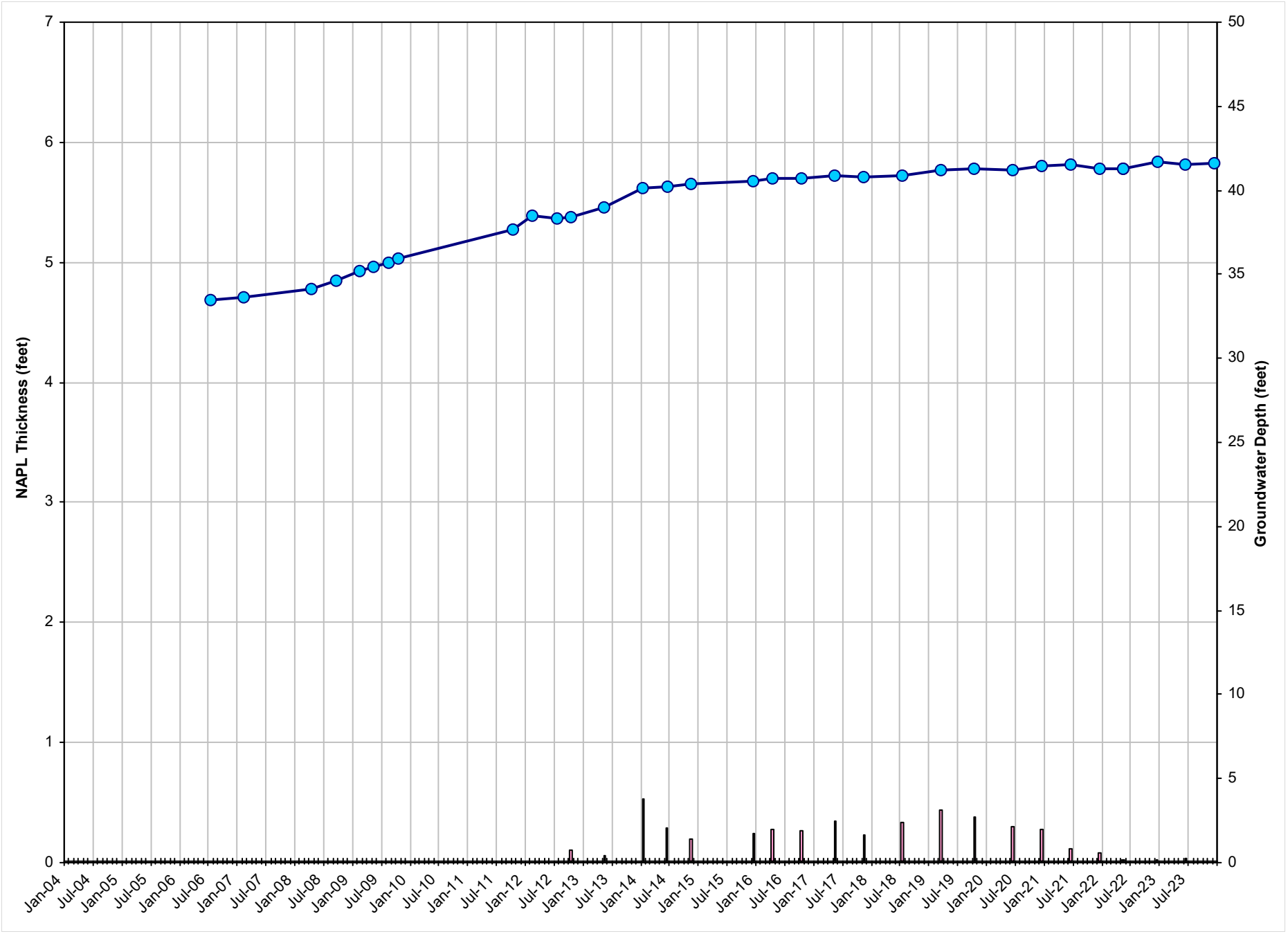
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GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



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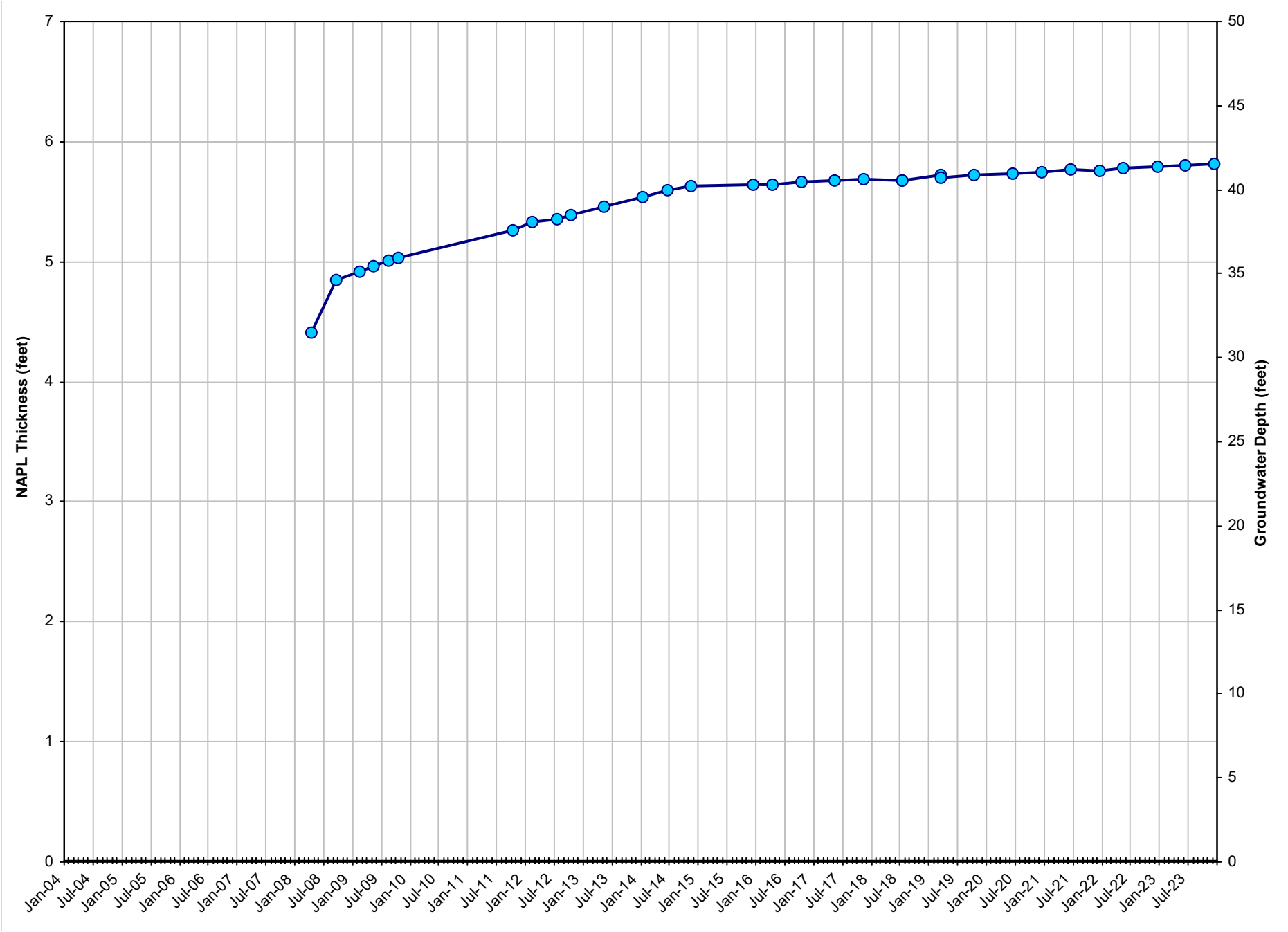
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



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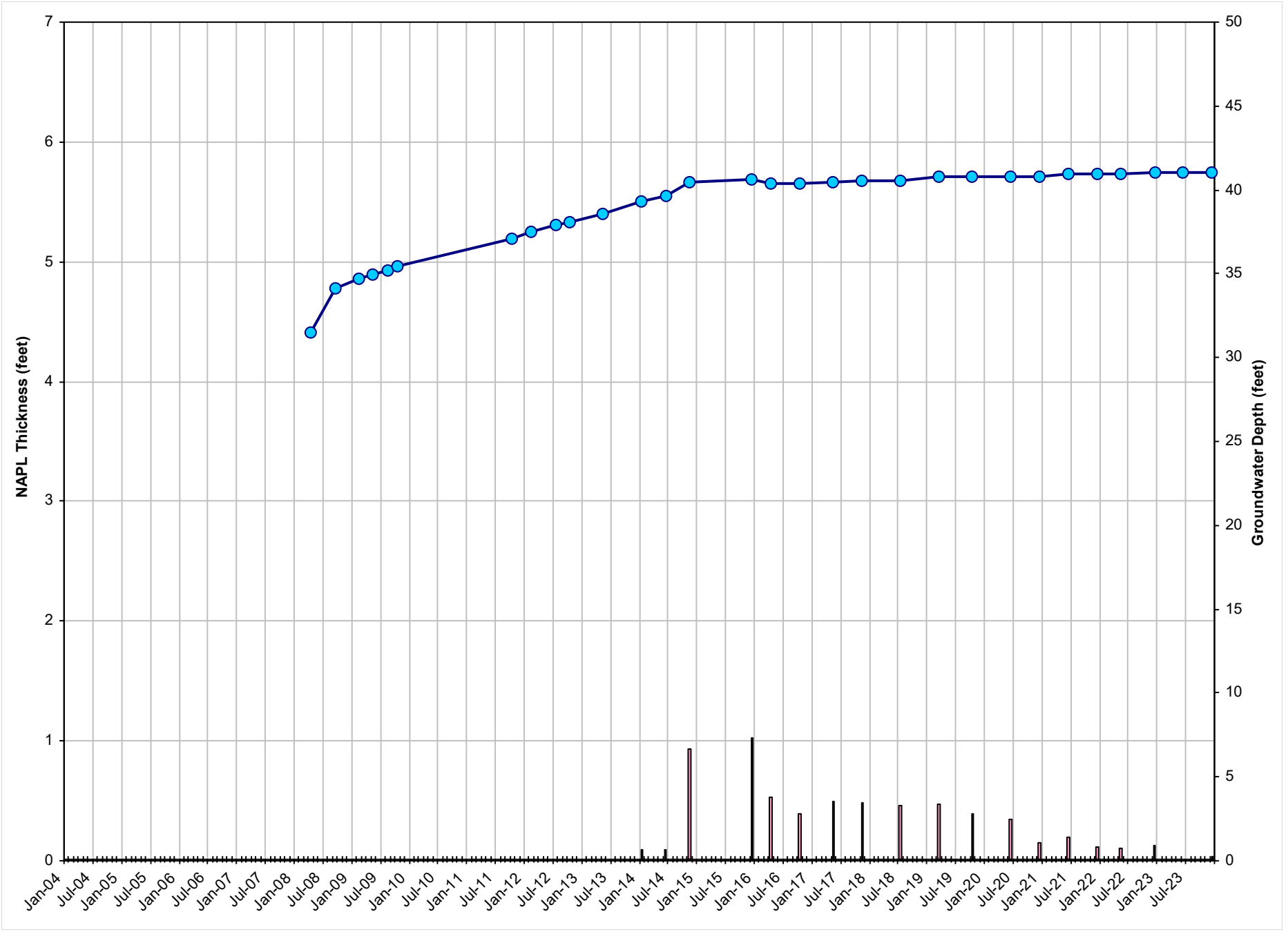
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GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



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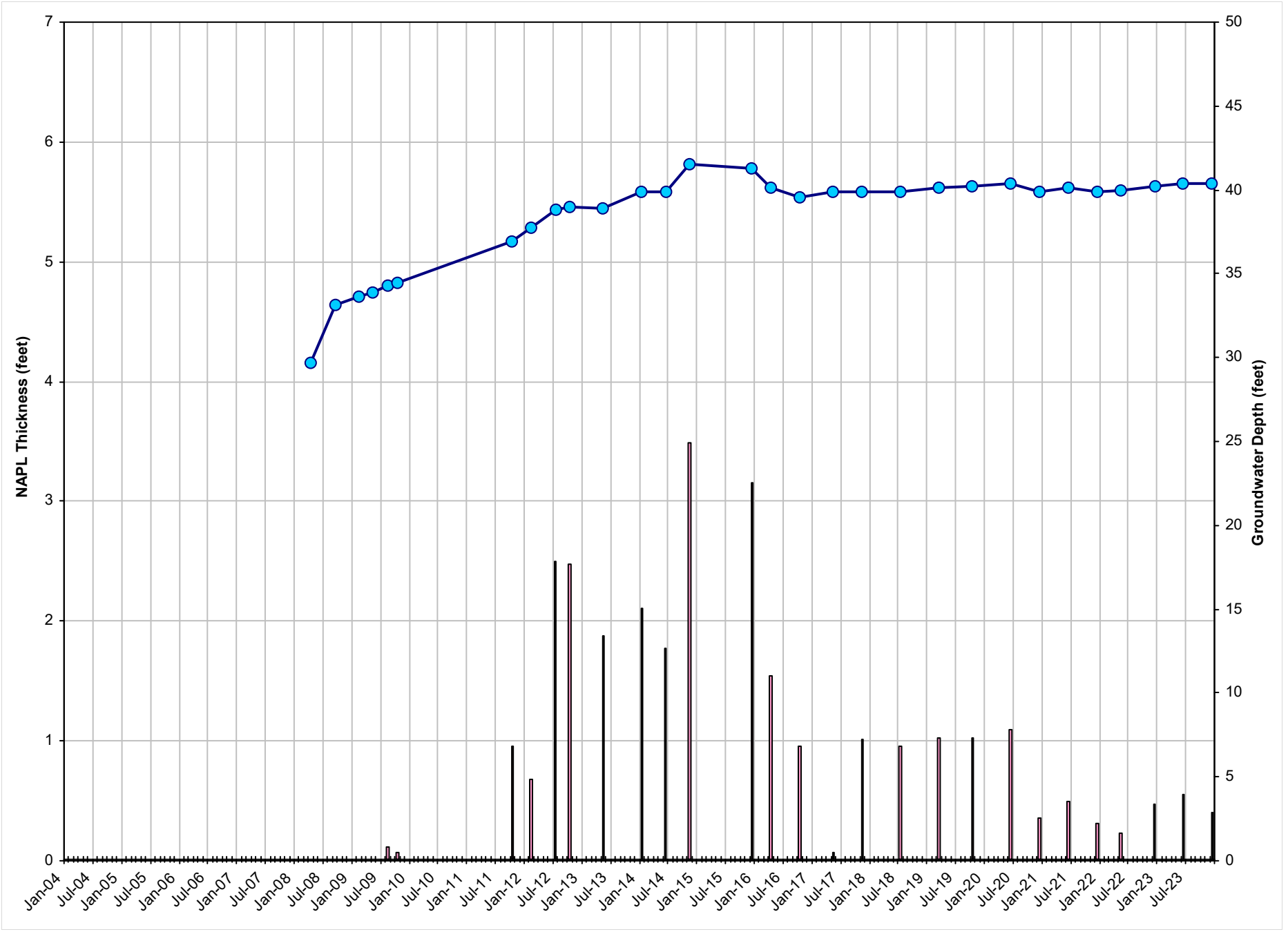
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



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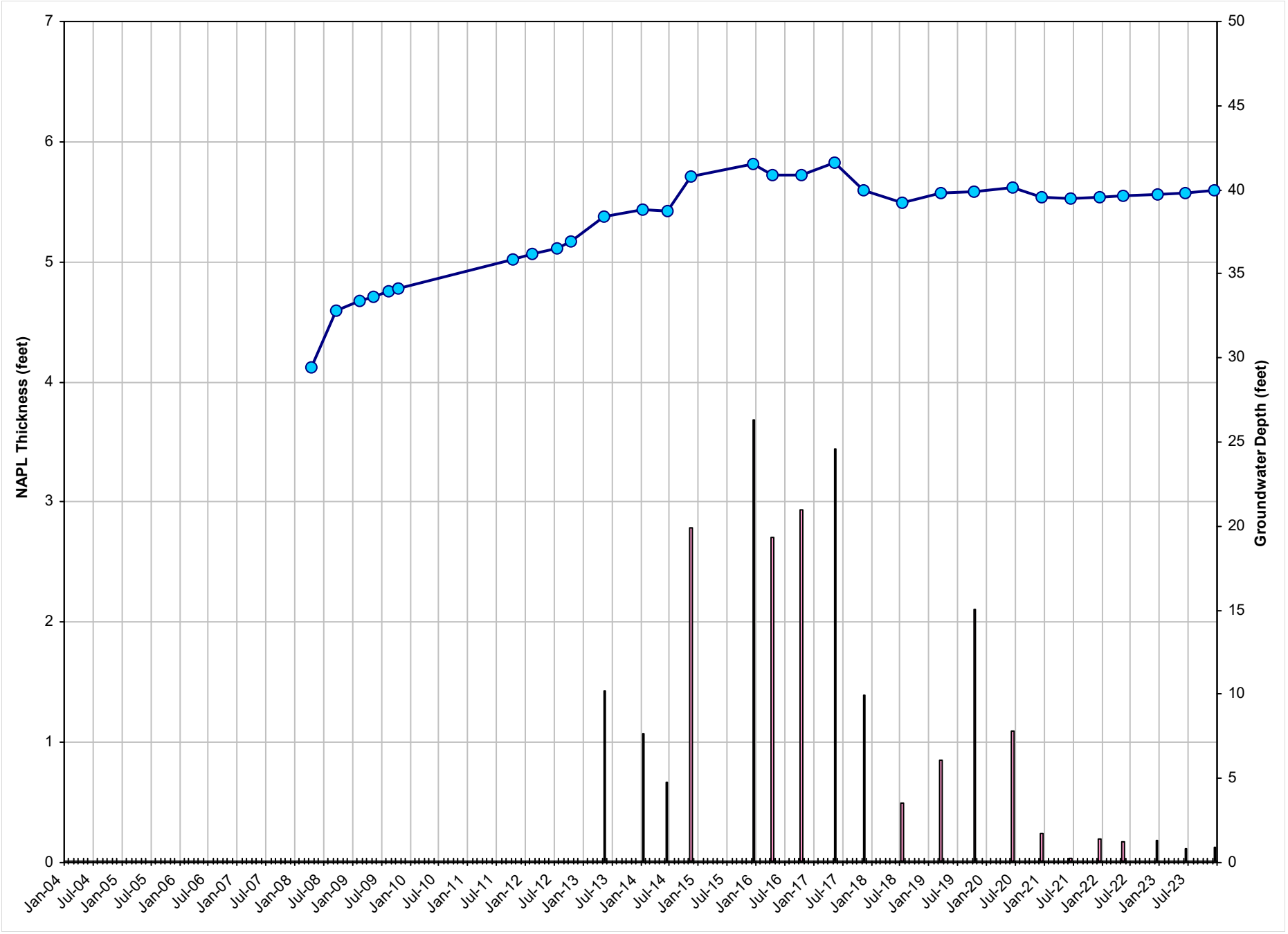
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



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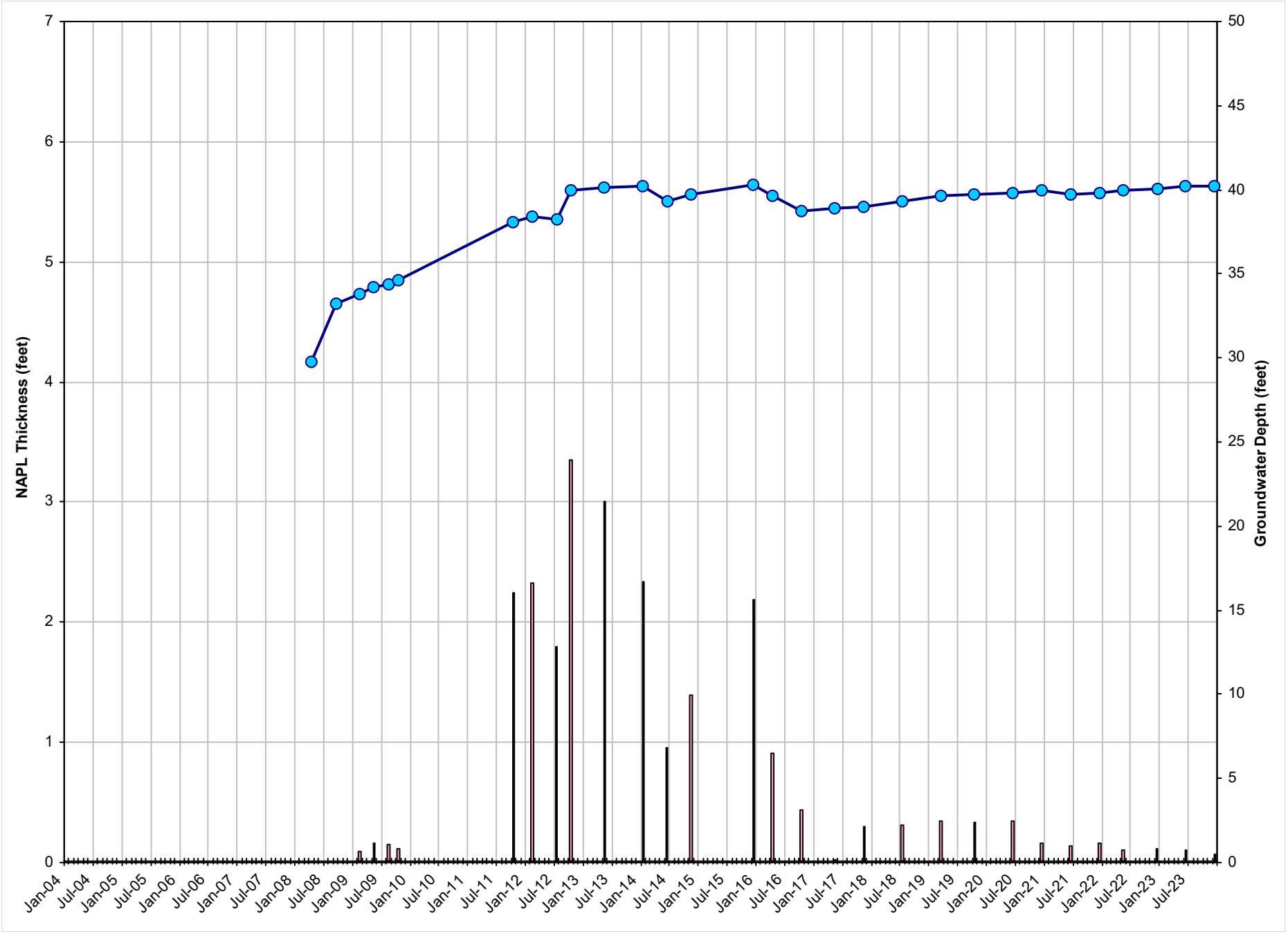
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



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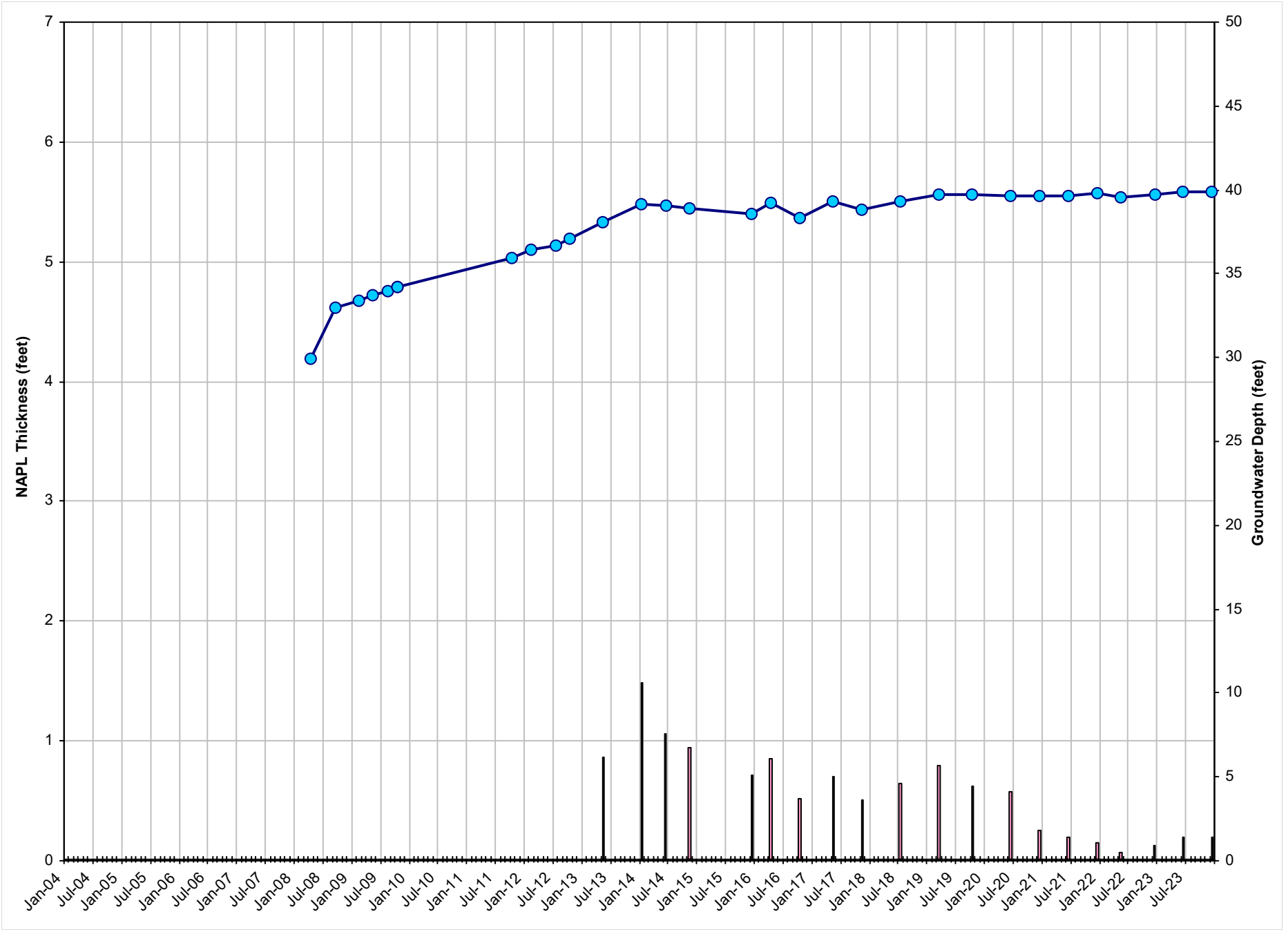
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



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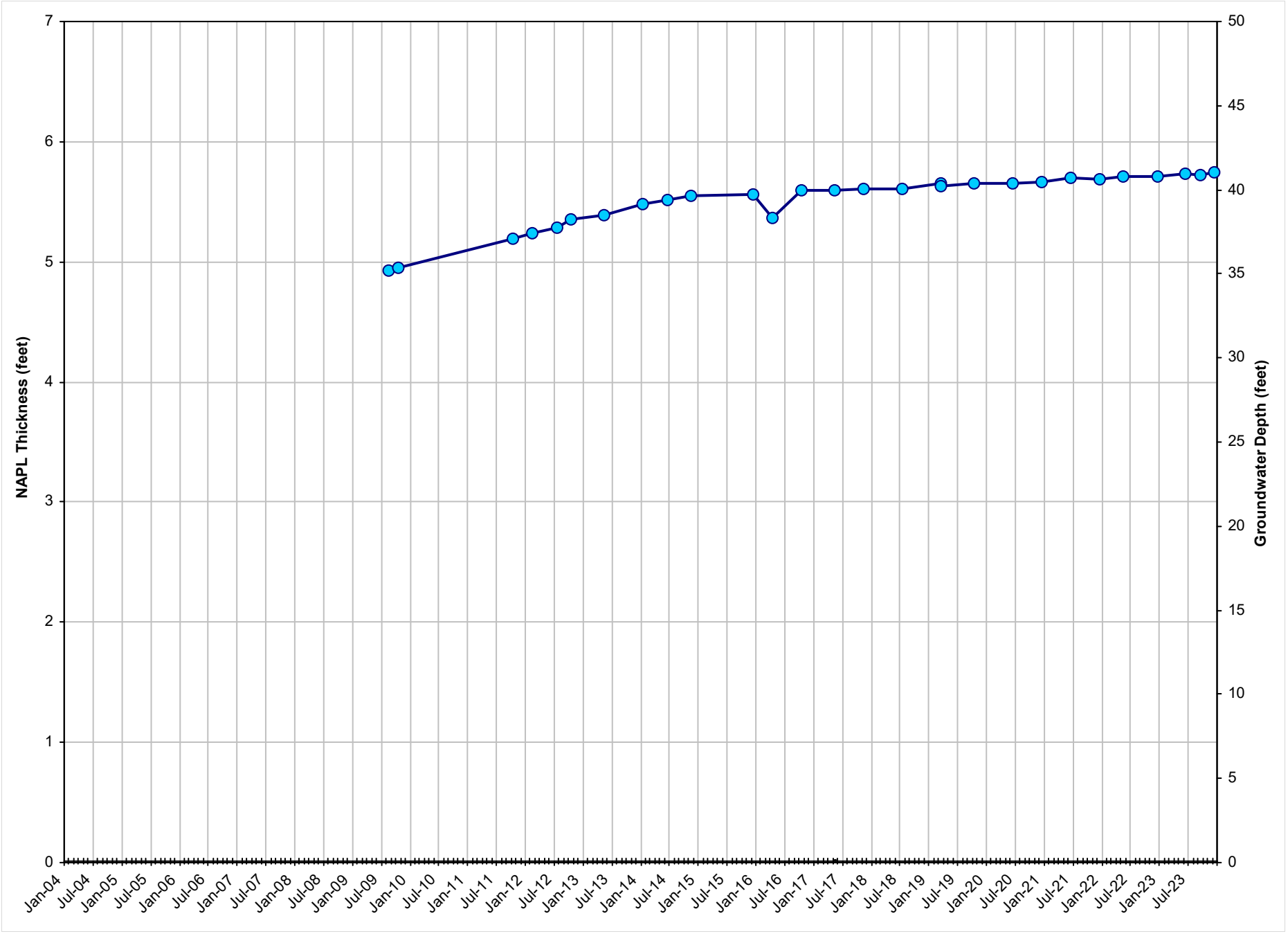
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



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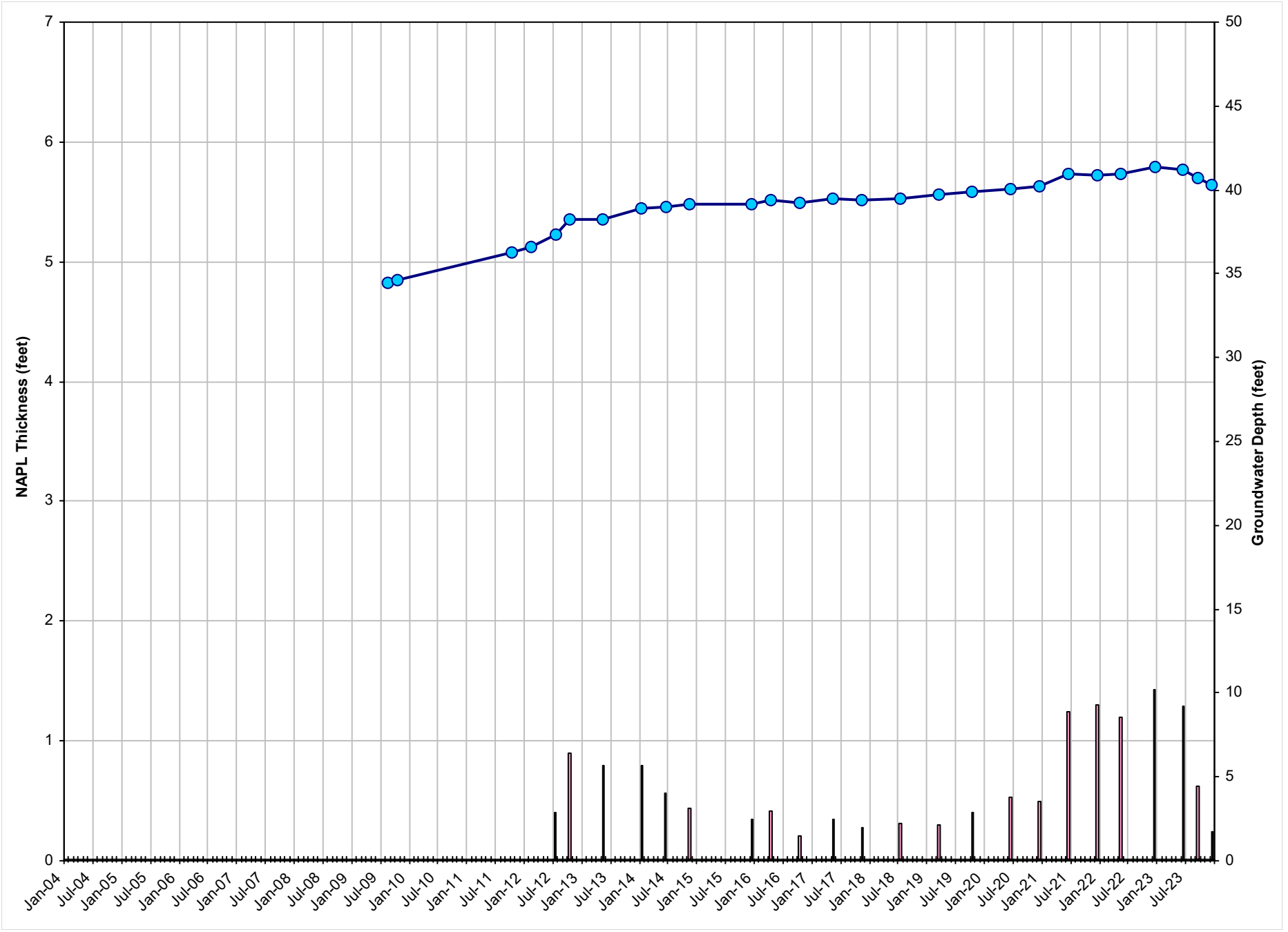
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



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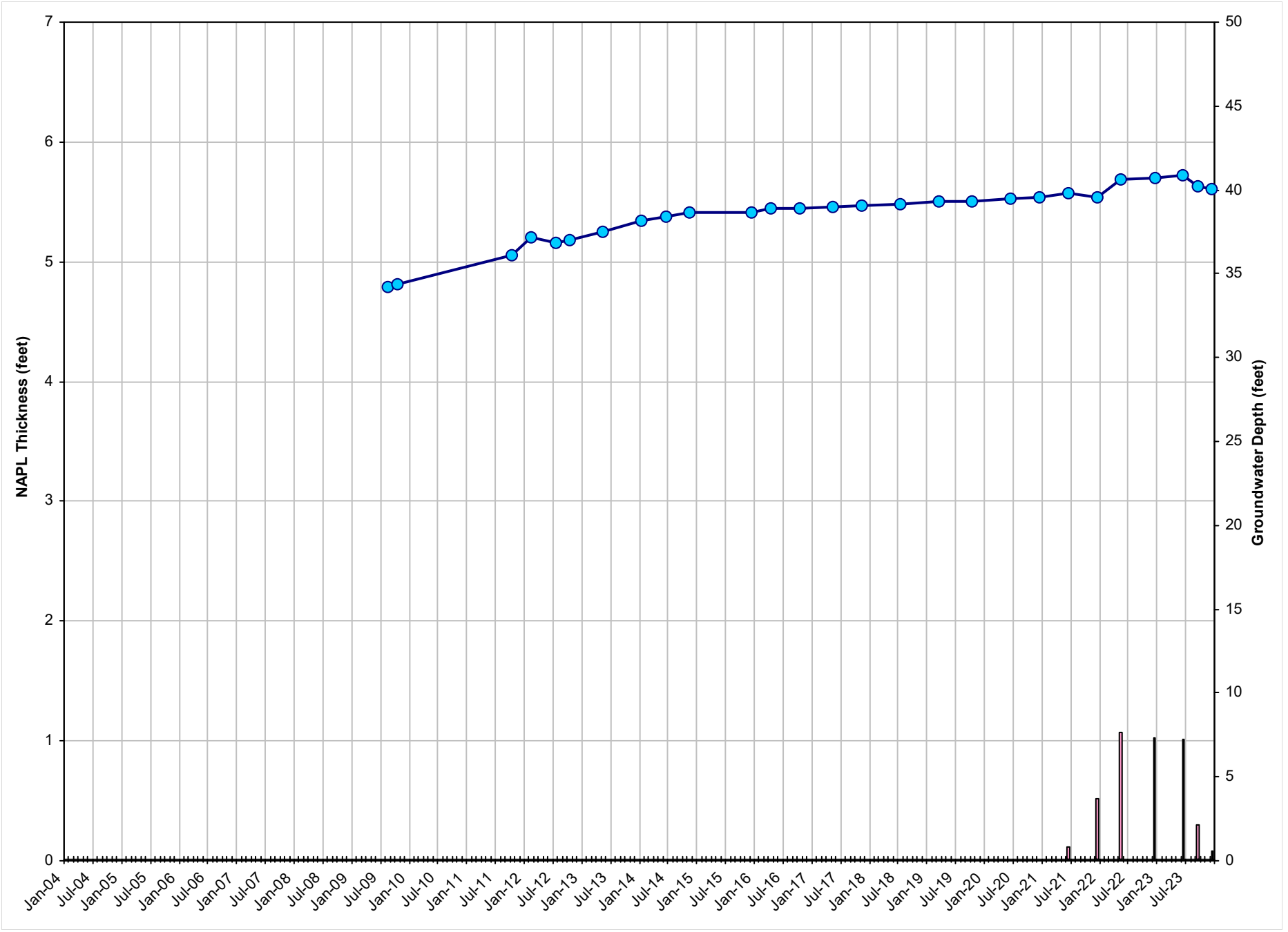
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



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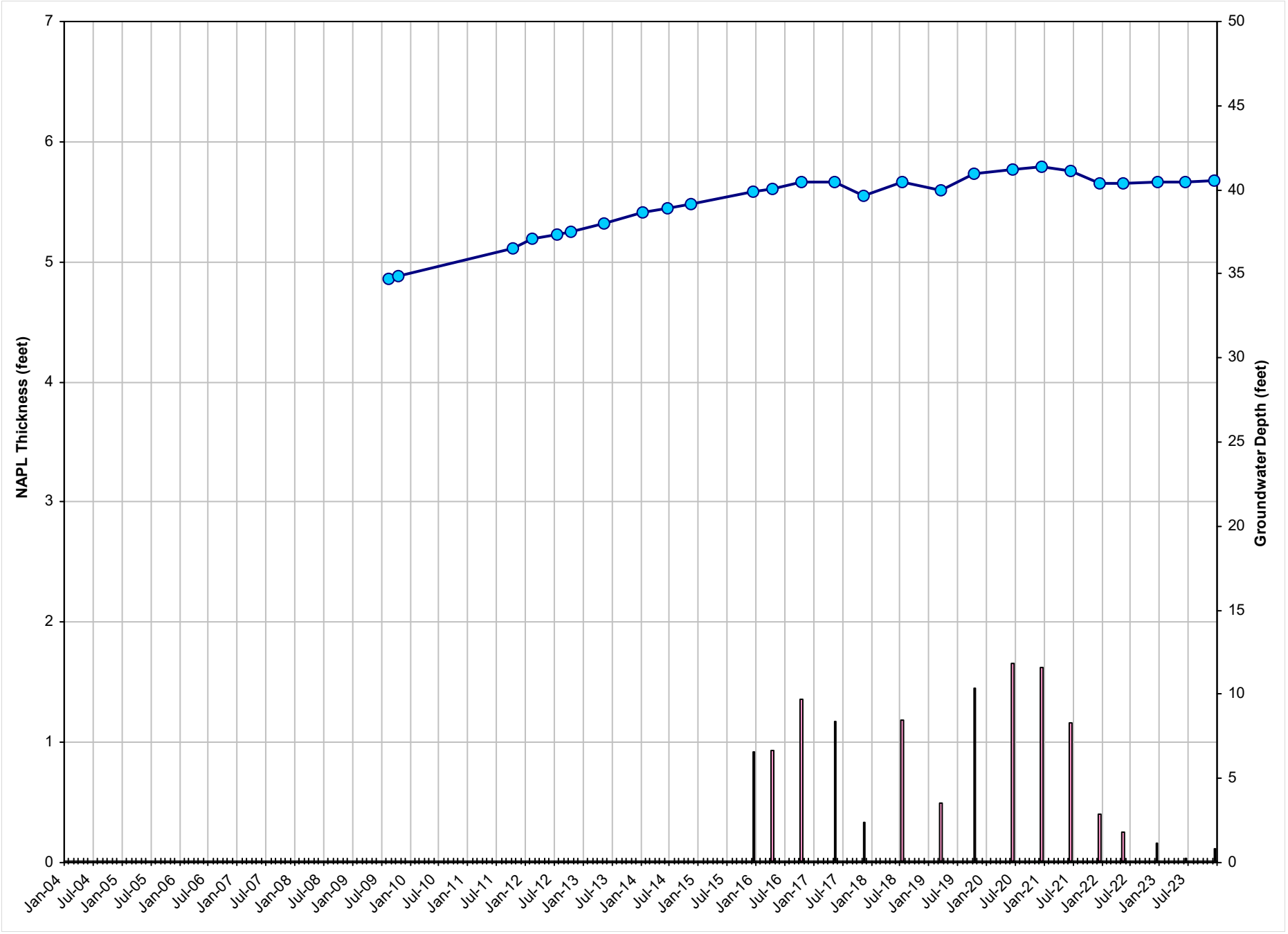
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



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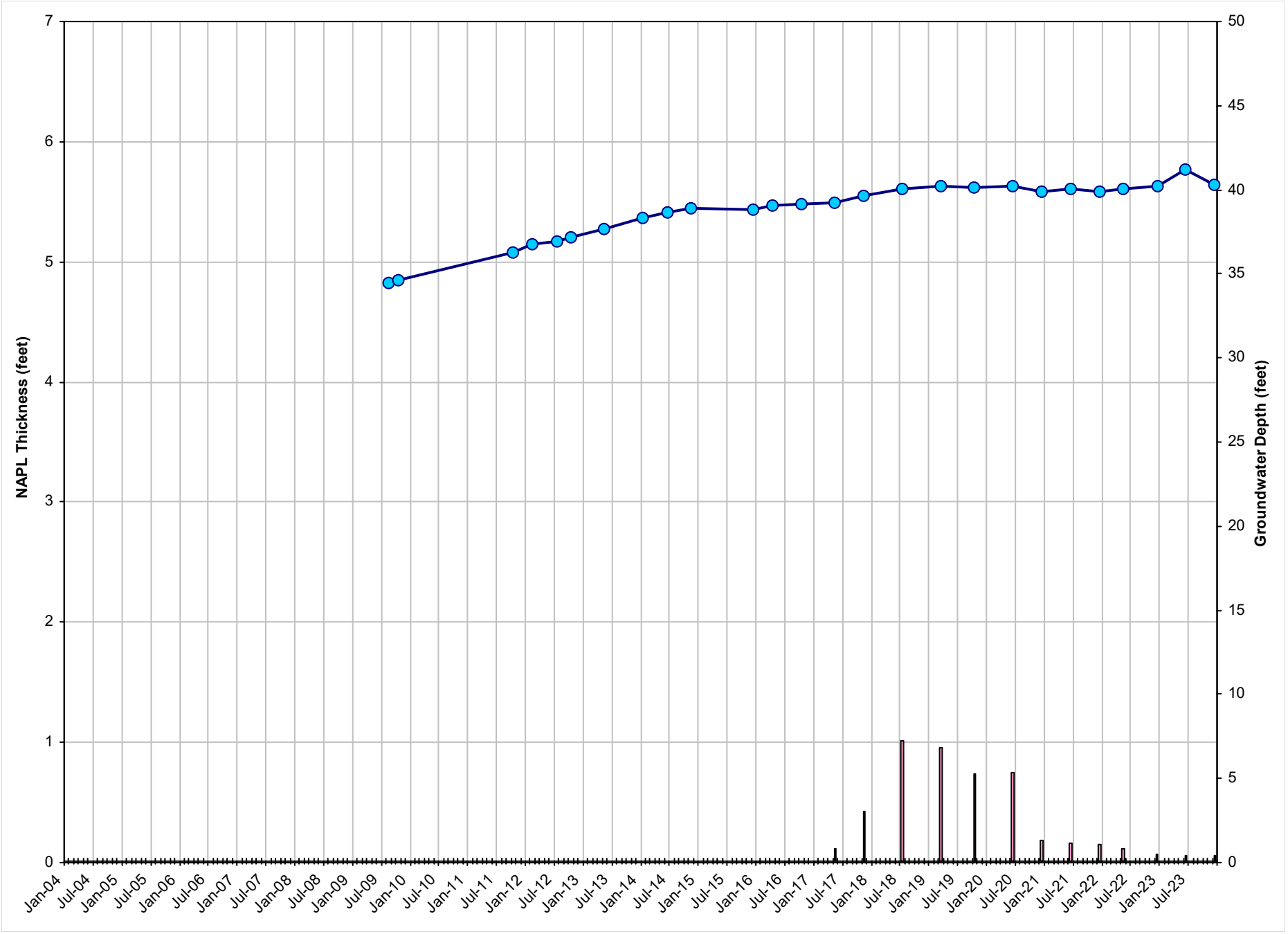
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



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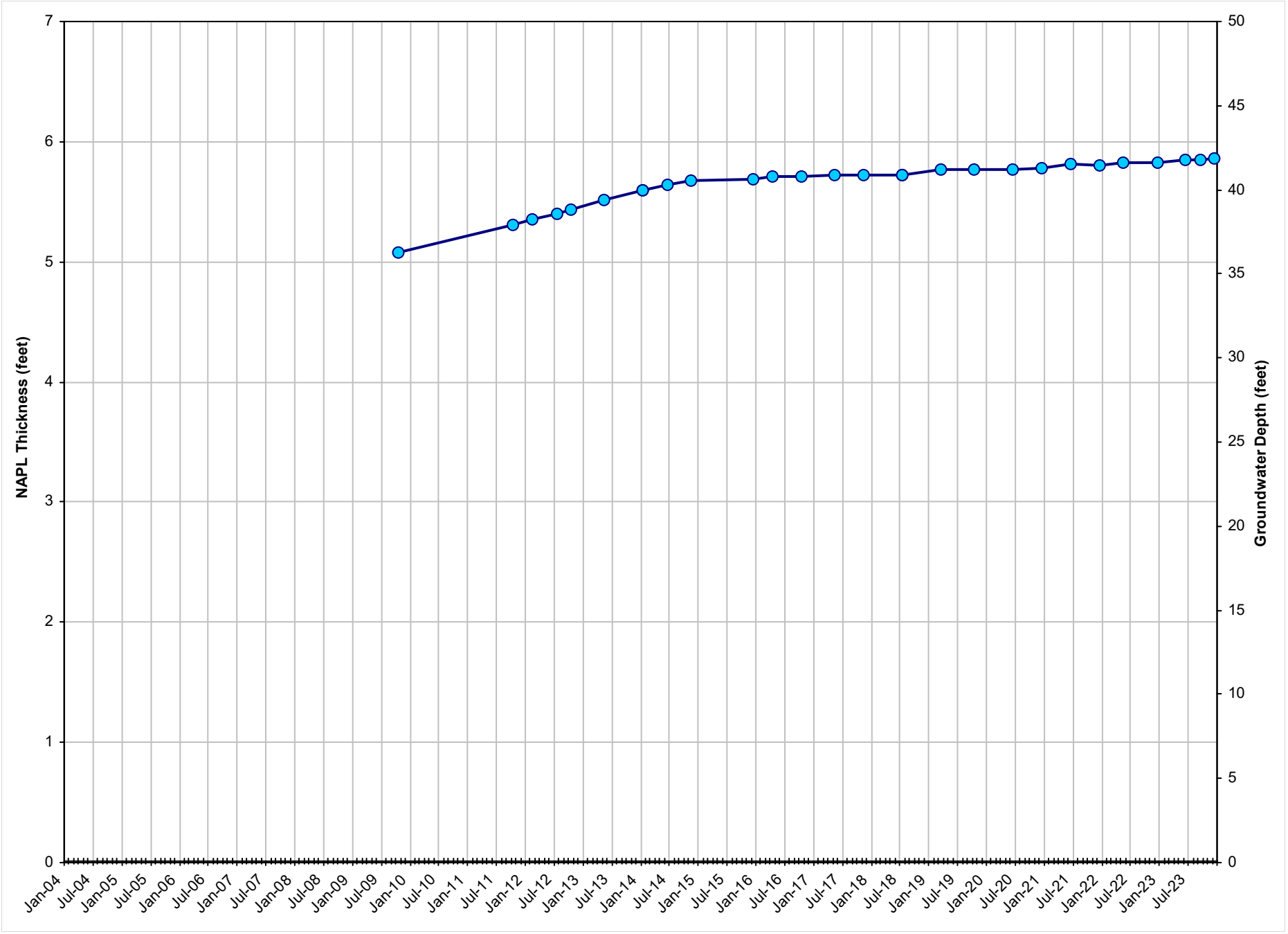
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



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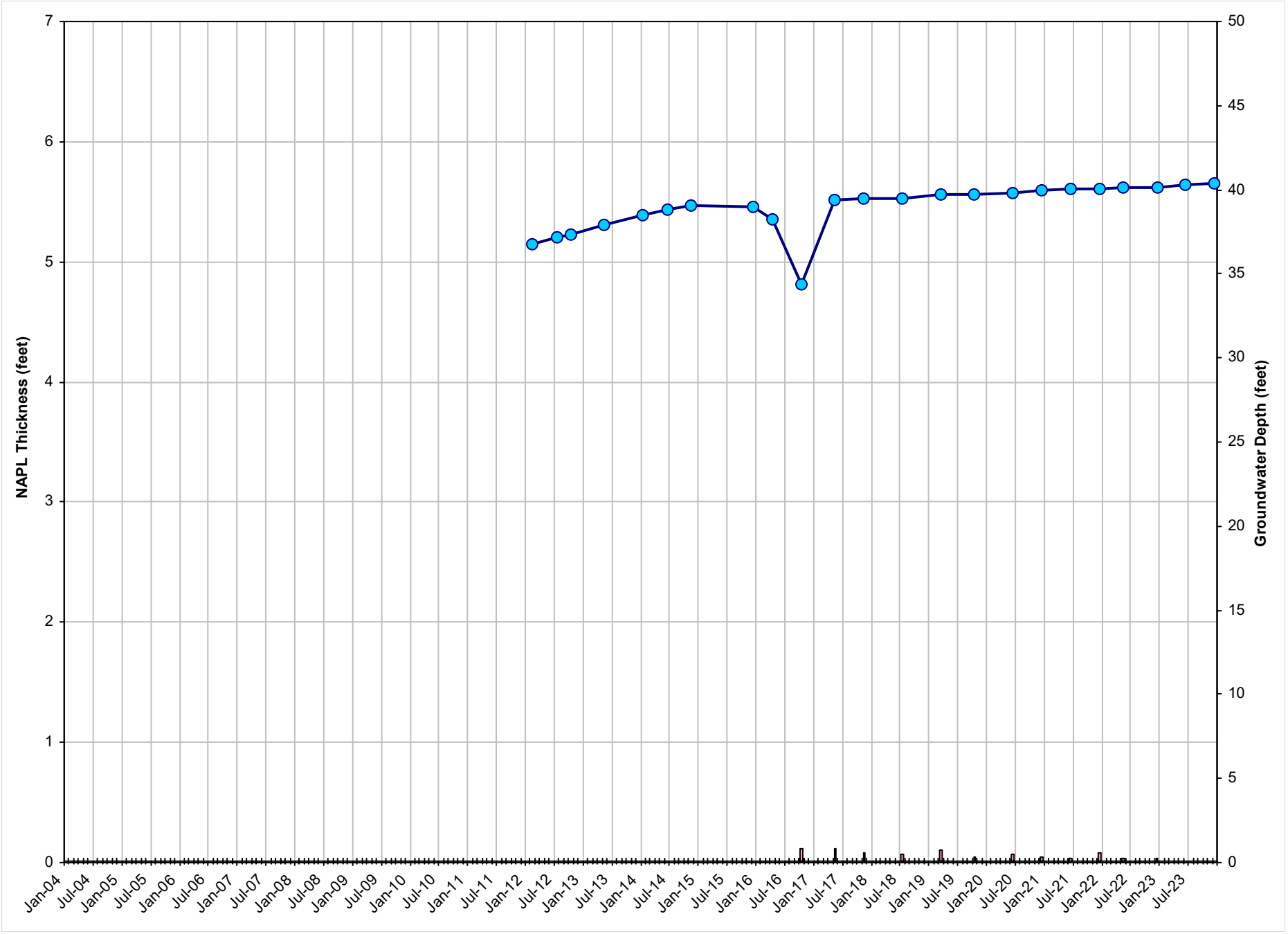
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



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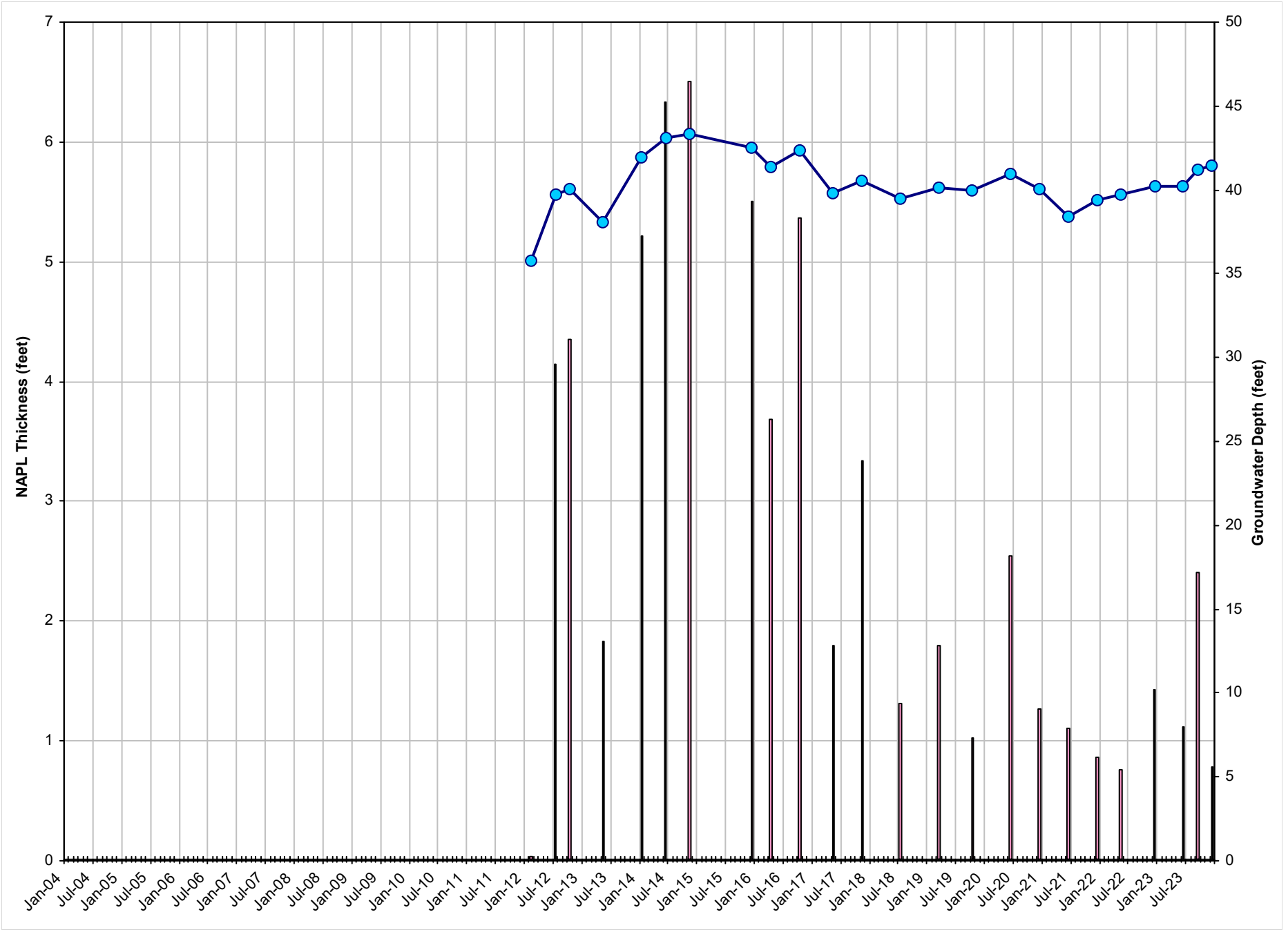
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



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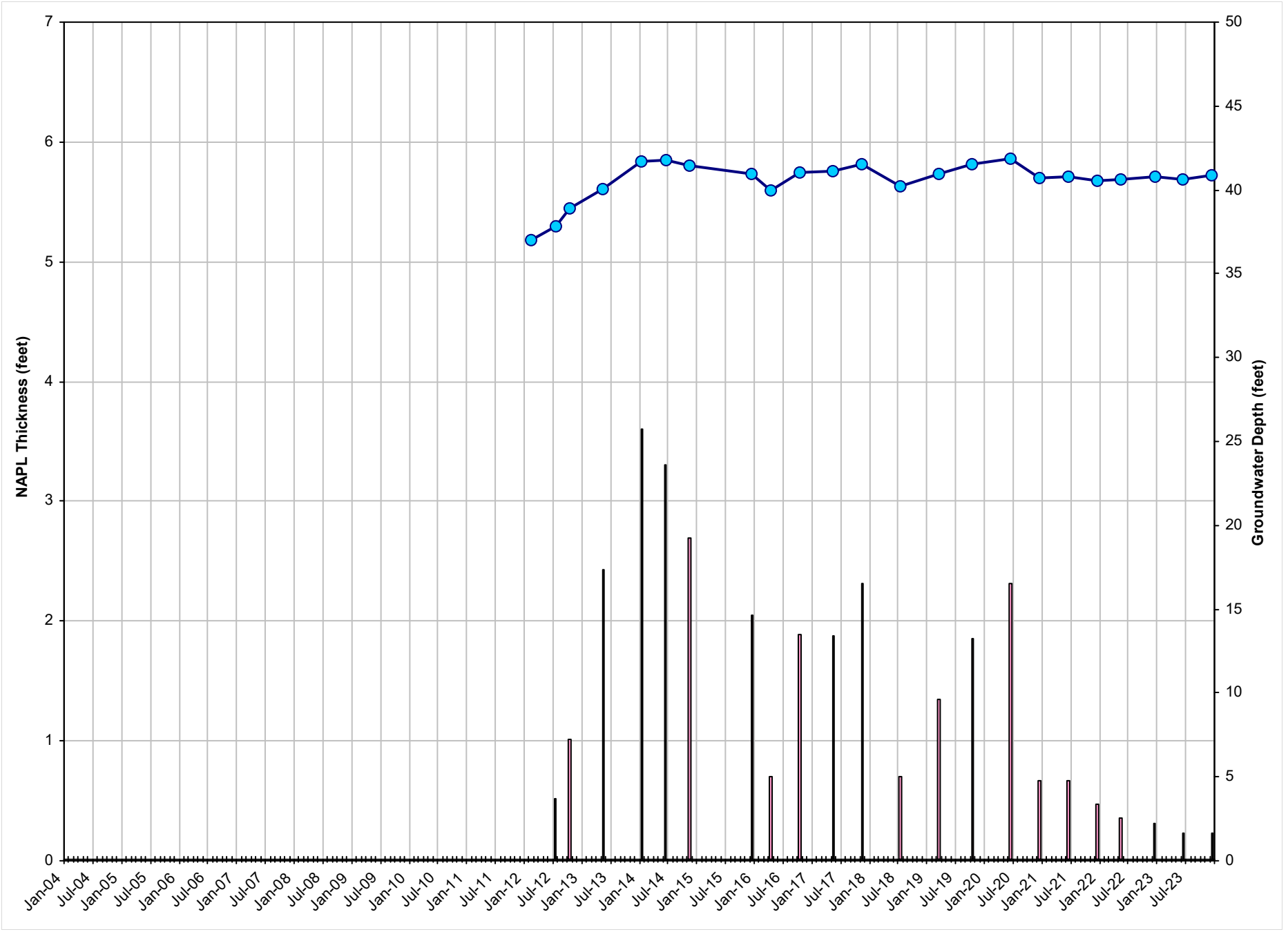
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



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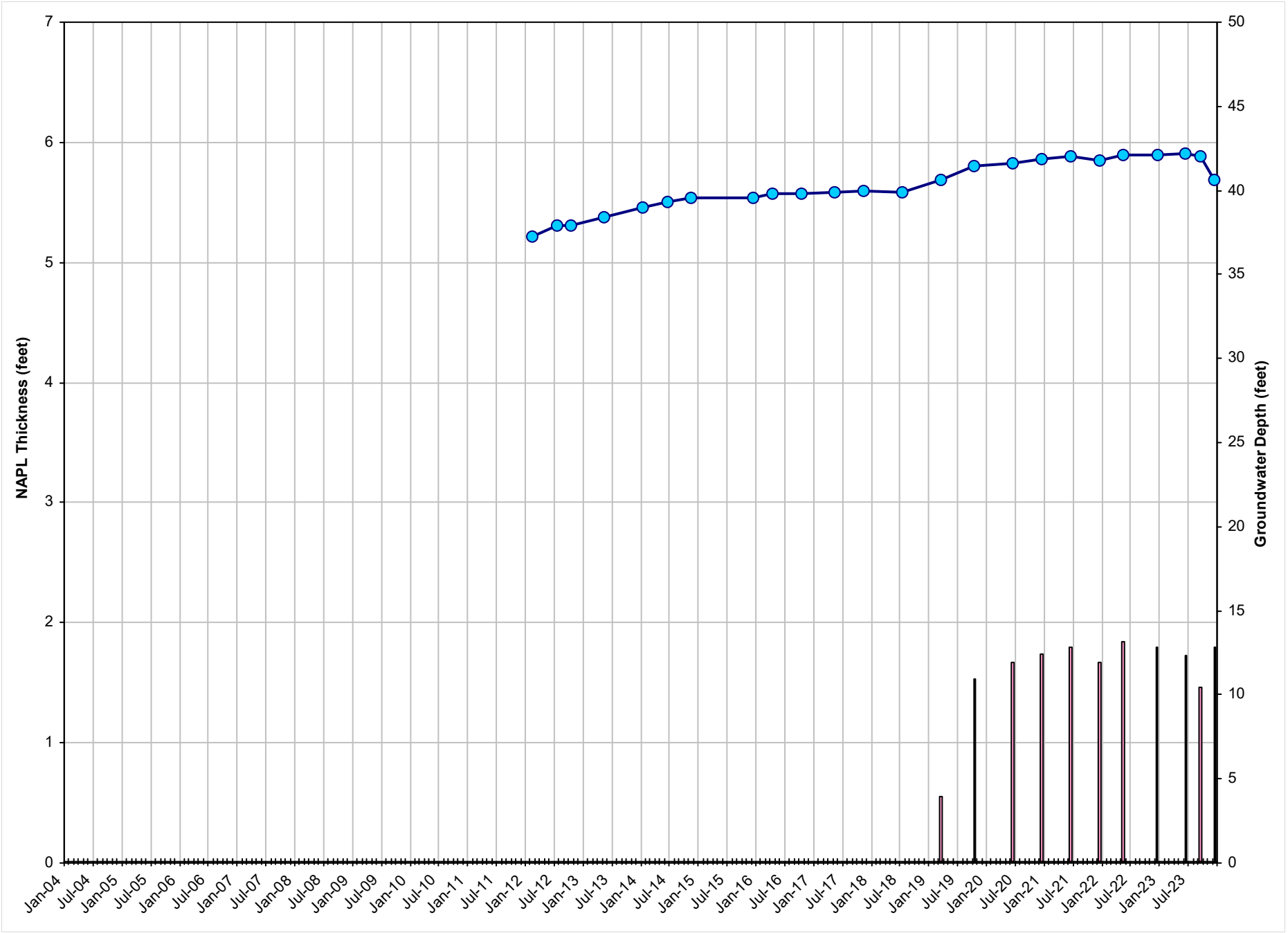
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



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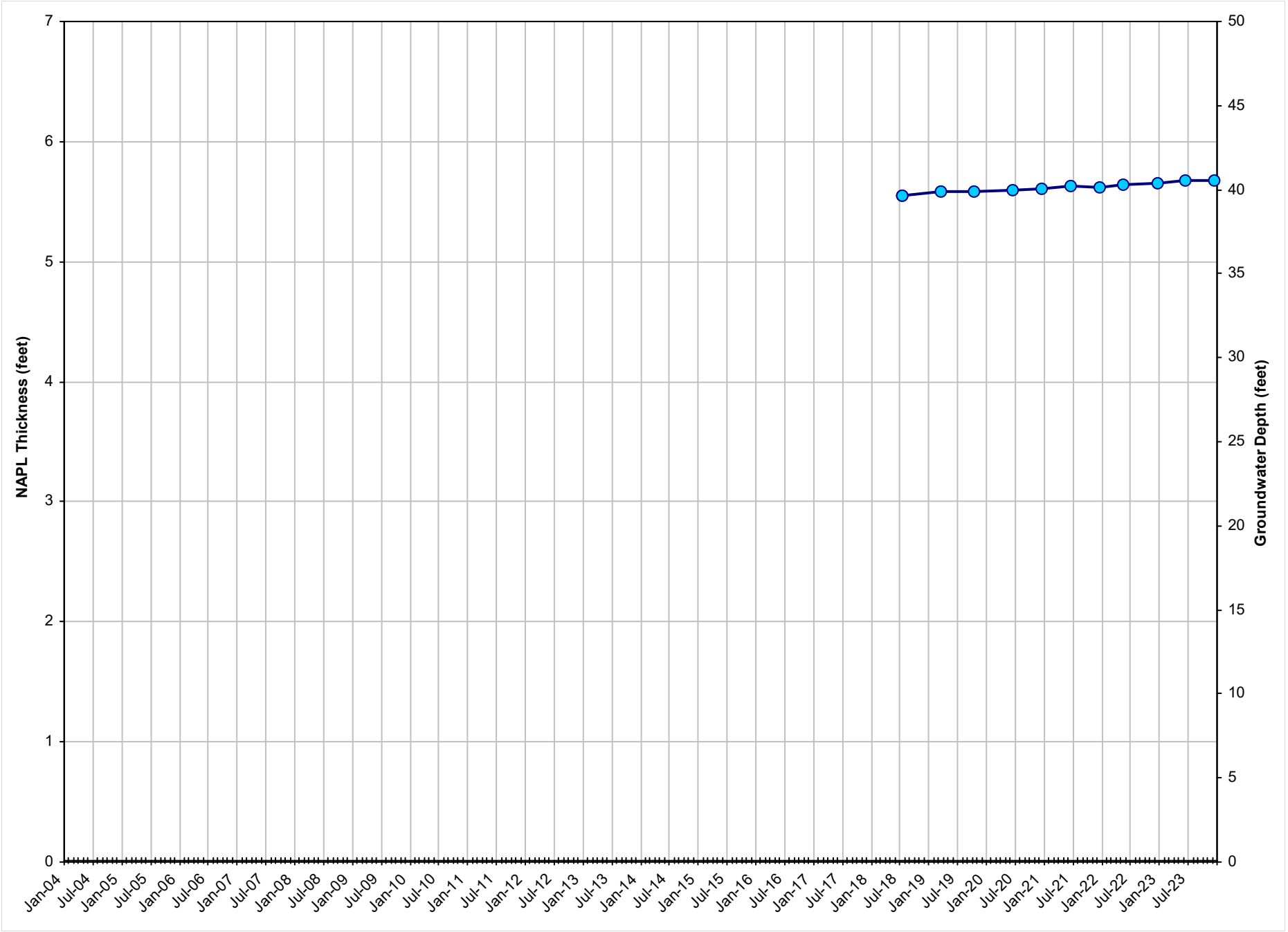
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



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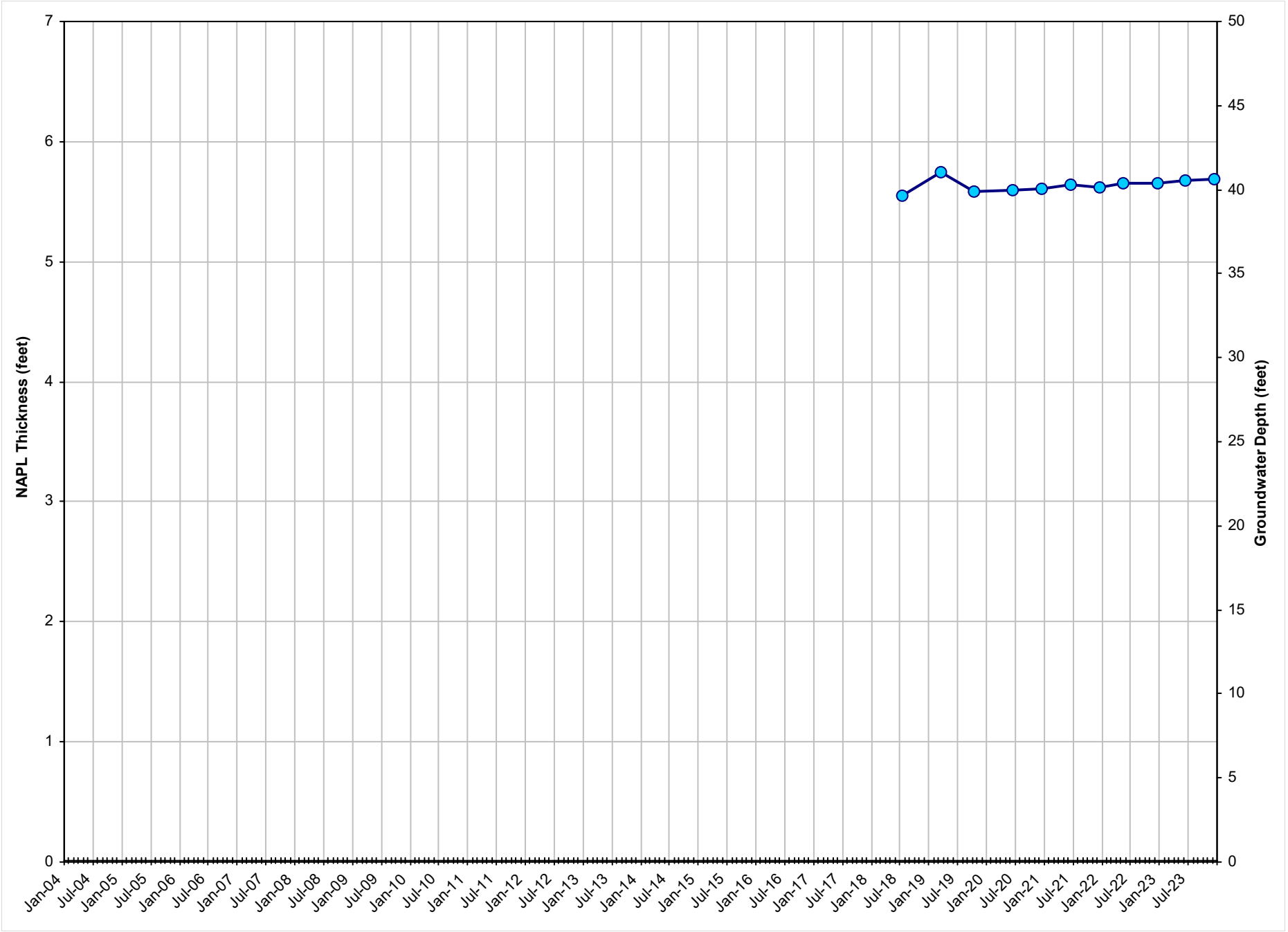
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



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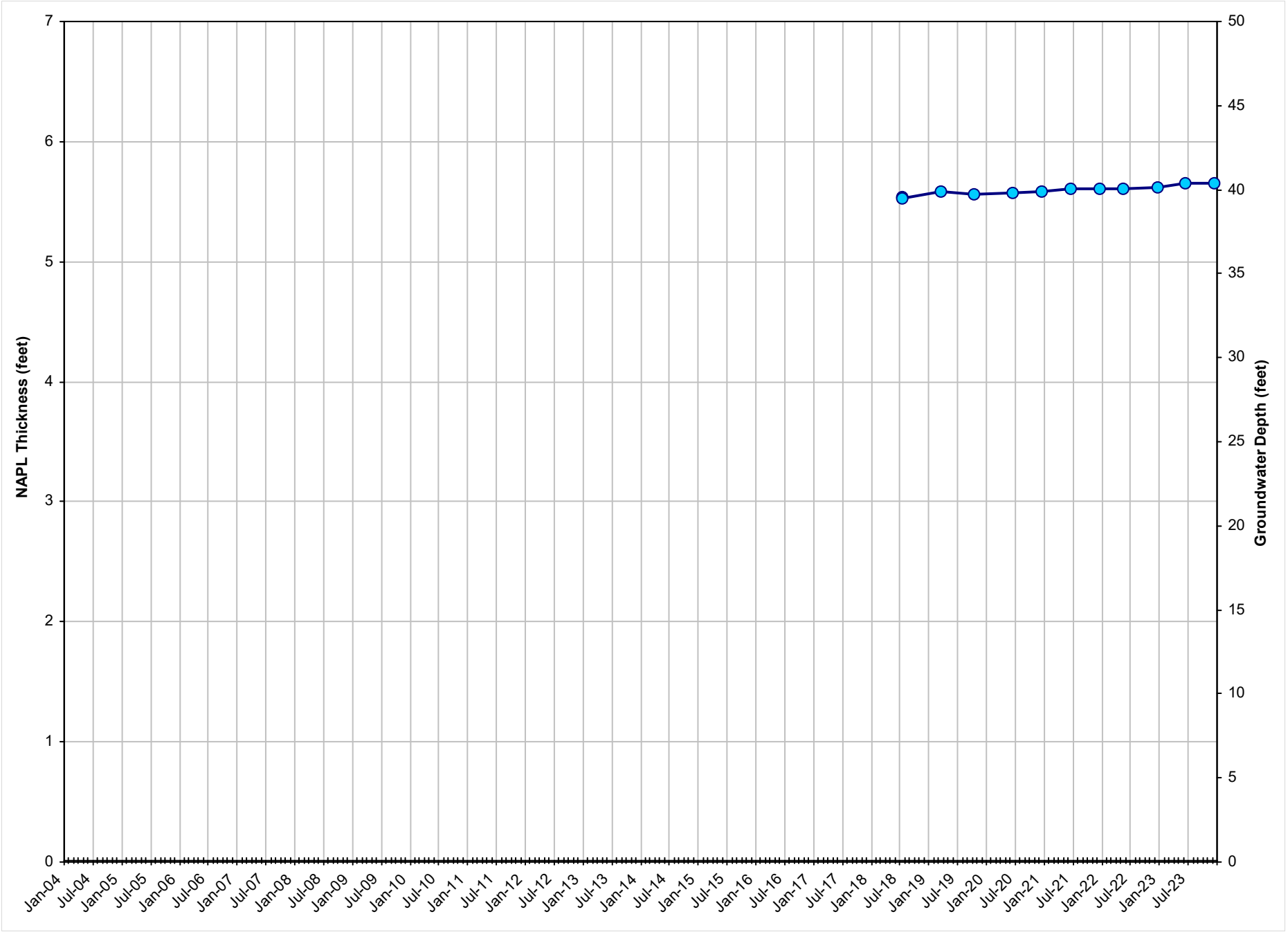
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GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



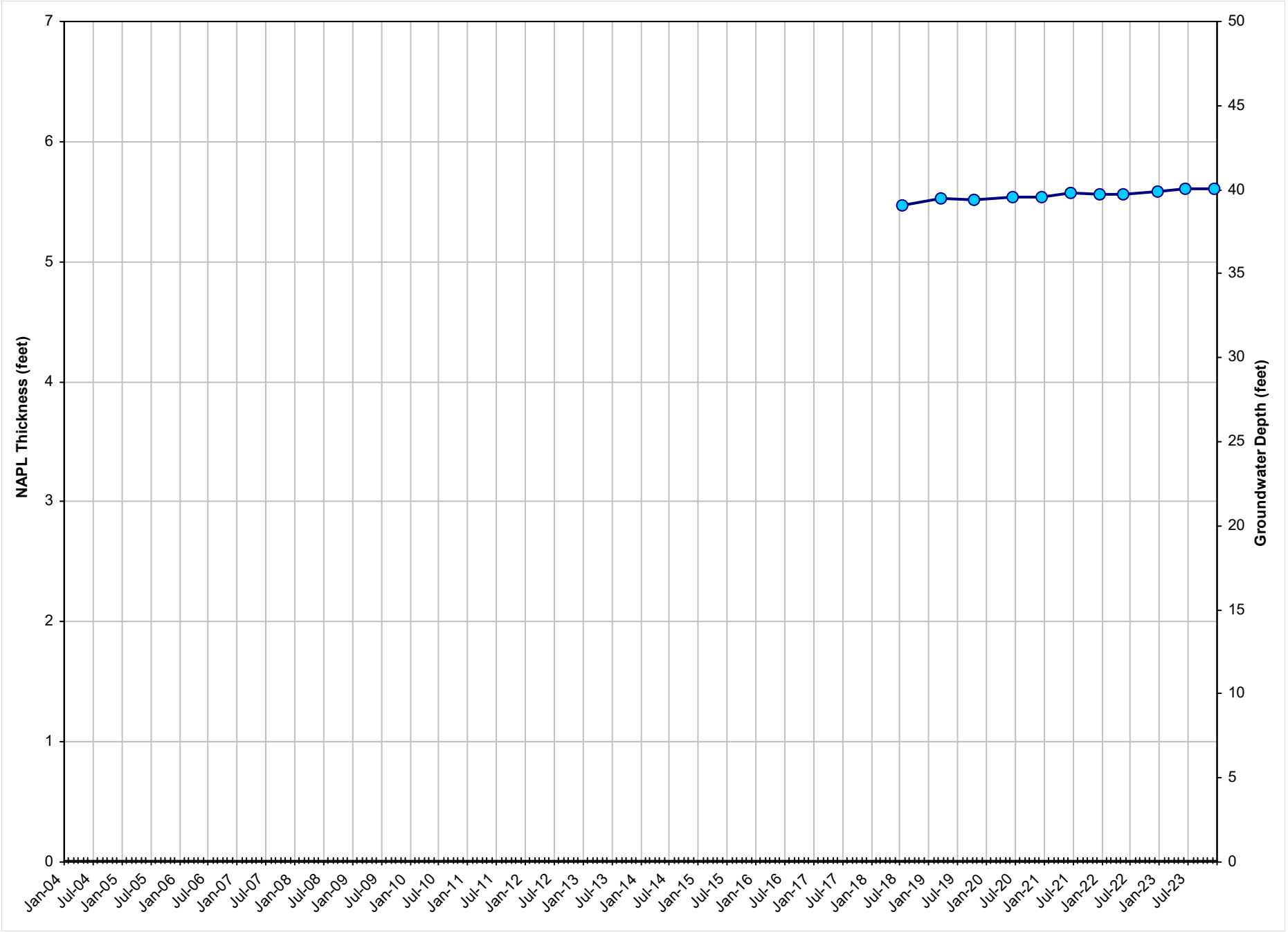
Released to Imaging: 12/16/2024 10:44:58 AM
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GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



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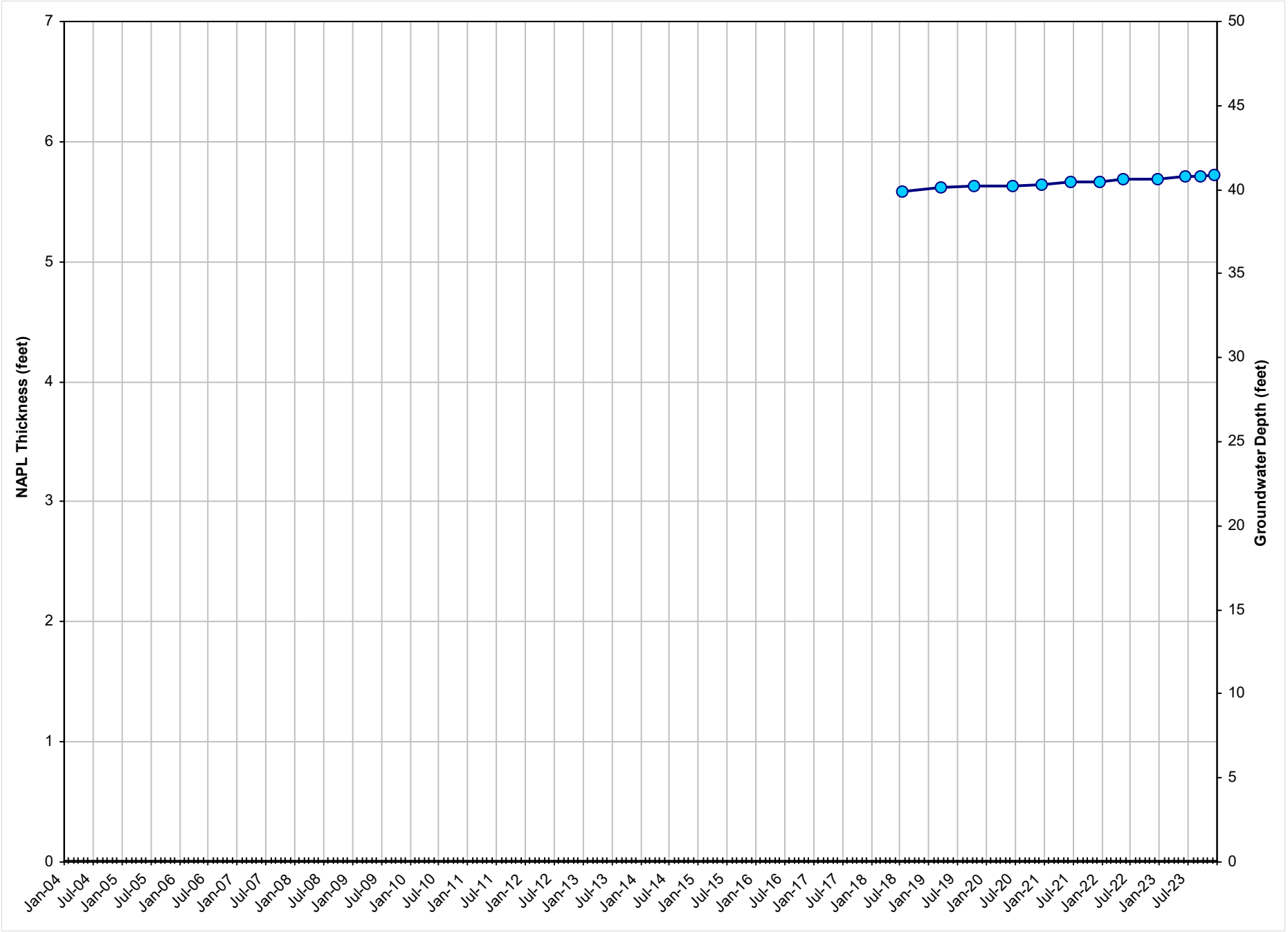
GRAPH 30
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-30
Gladiola Station
Lea County, New Mexico



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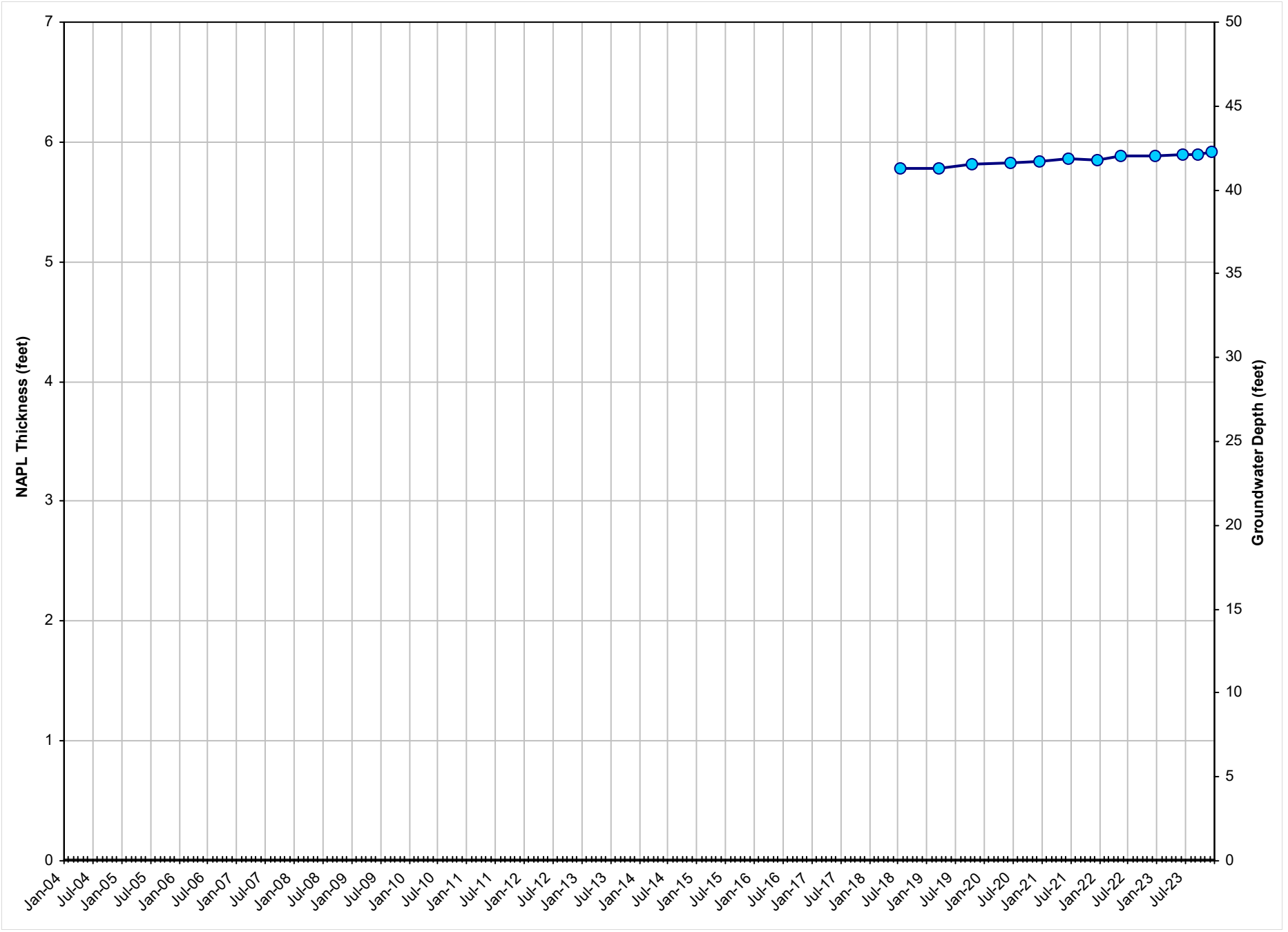
Received by OCD: 12/6/2024 3:19:21 PM

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



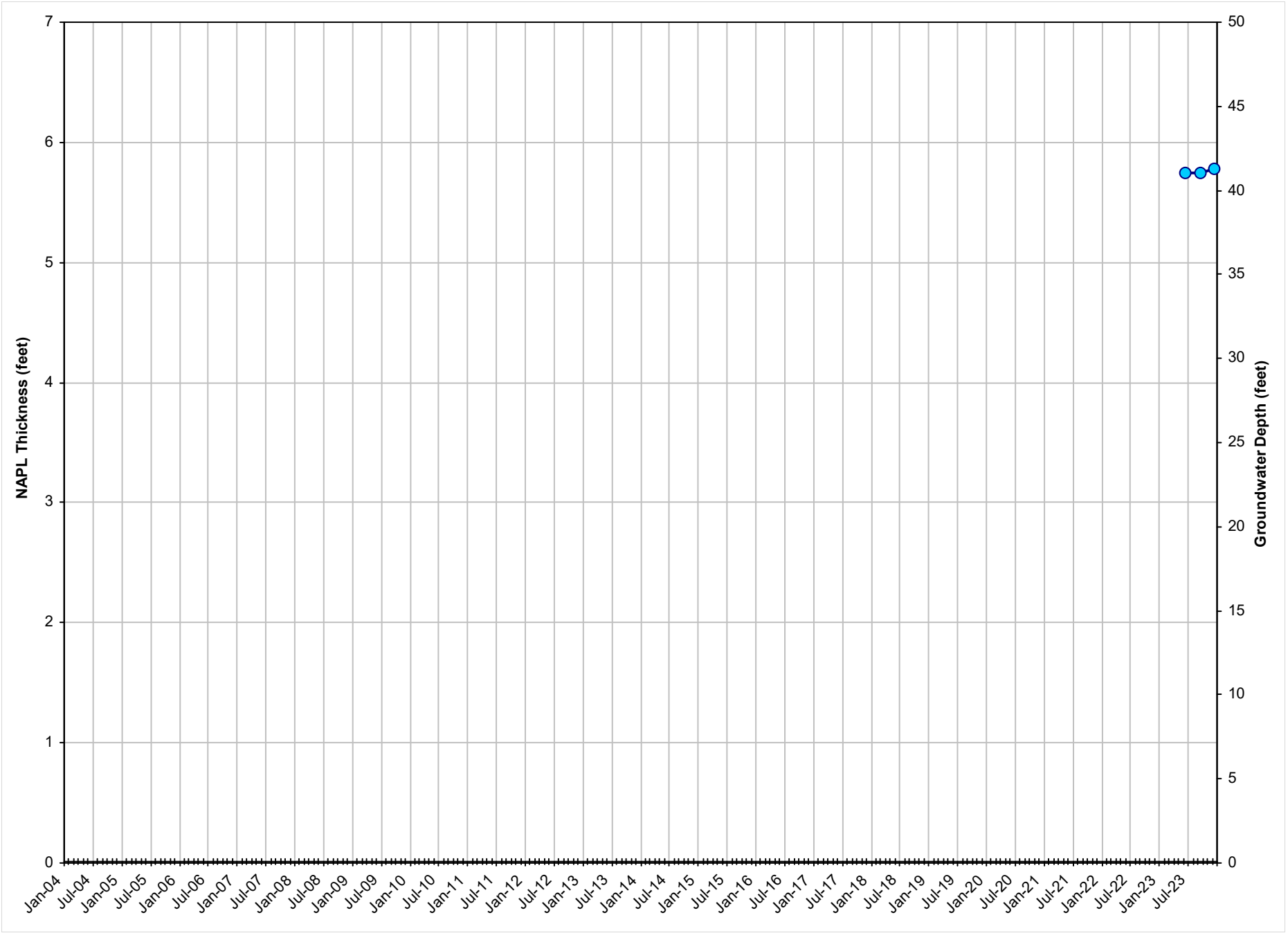
Released to Imaging: 12/16/2024 10:44:58 AM
Received by OCD: 12/6/2024 3:19:21 PM

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



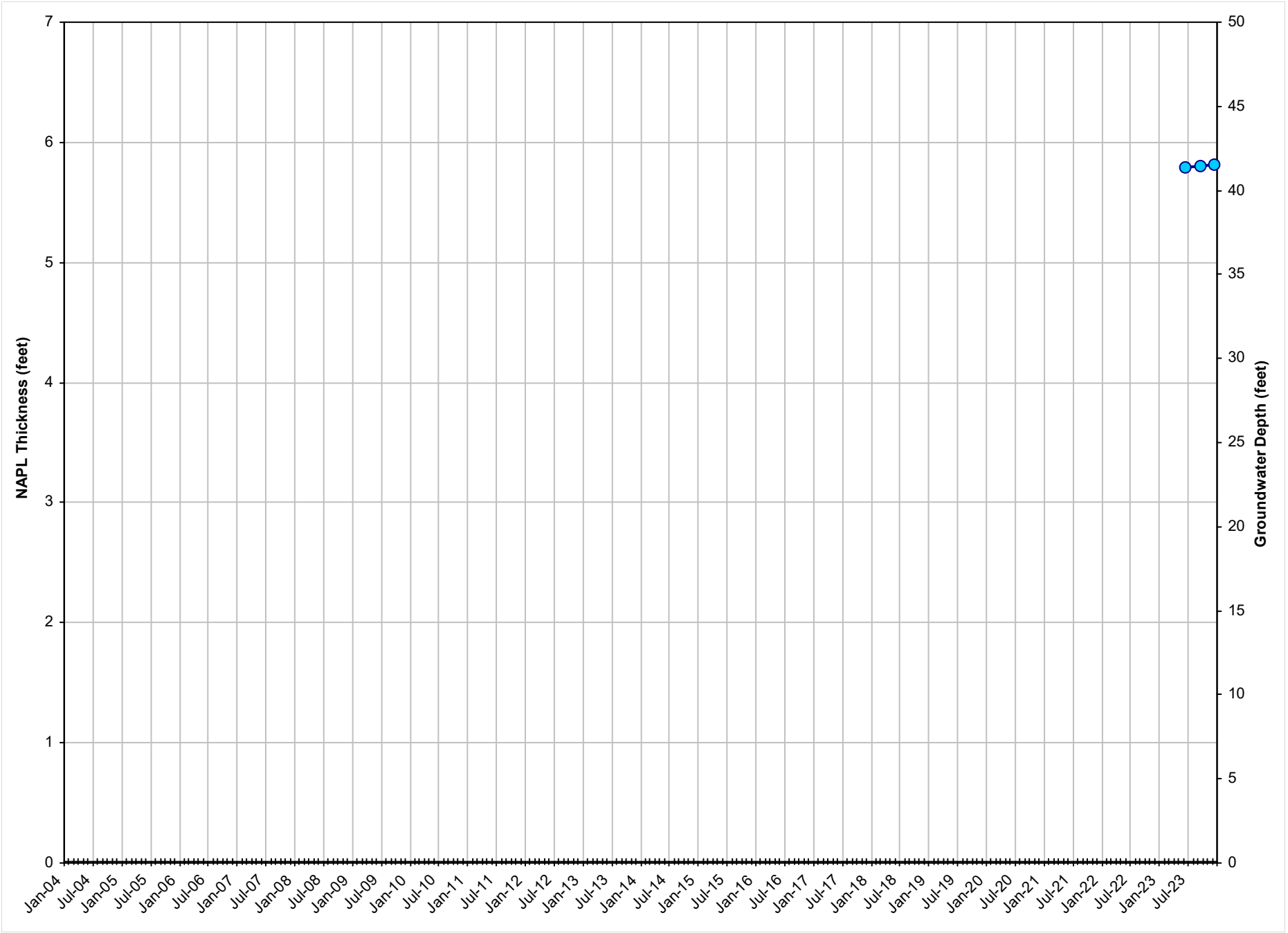
Released to Imaging: 12/16/2024 10:44:58 AM
Received by OCD: 12/6/2024 3:19:21 PM

GRAPH 33
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-33
Gladiola Station
Lea County, New Mexico



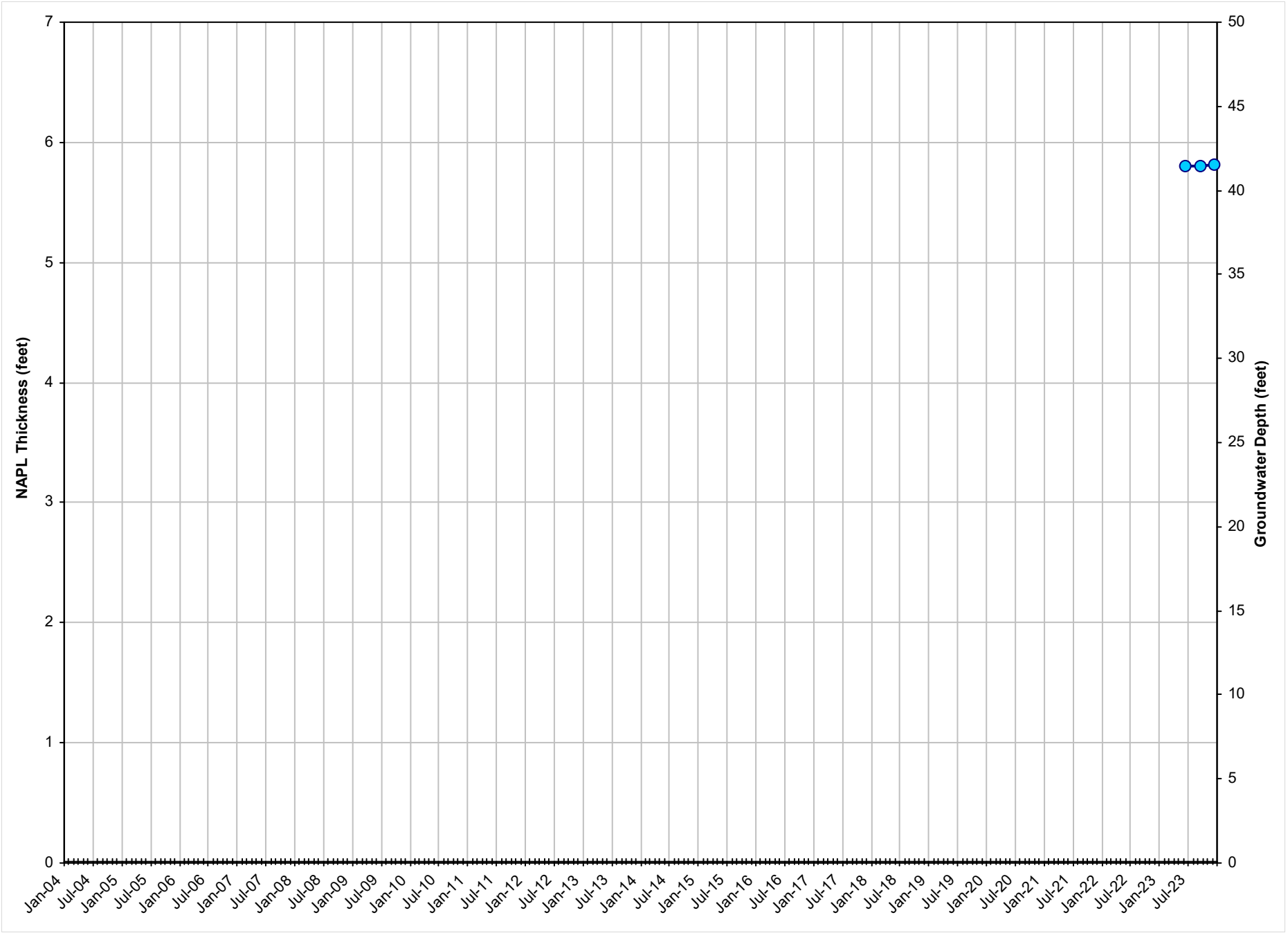
Released to Imaging: 12/16/2024 10:44:58 AM
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GRAPH 34
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-34
Gladiola Station
Lea County, New Mexico



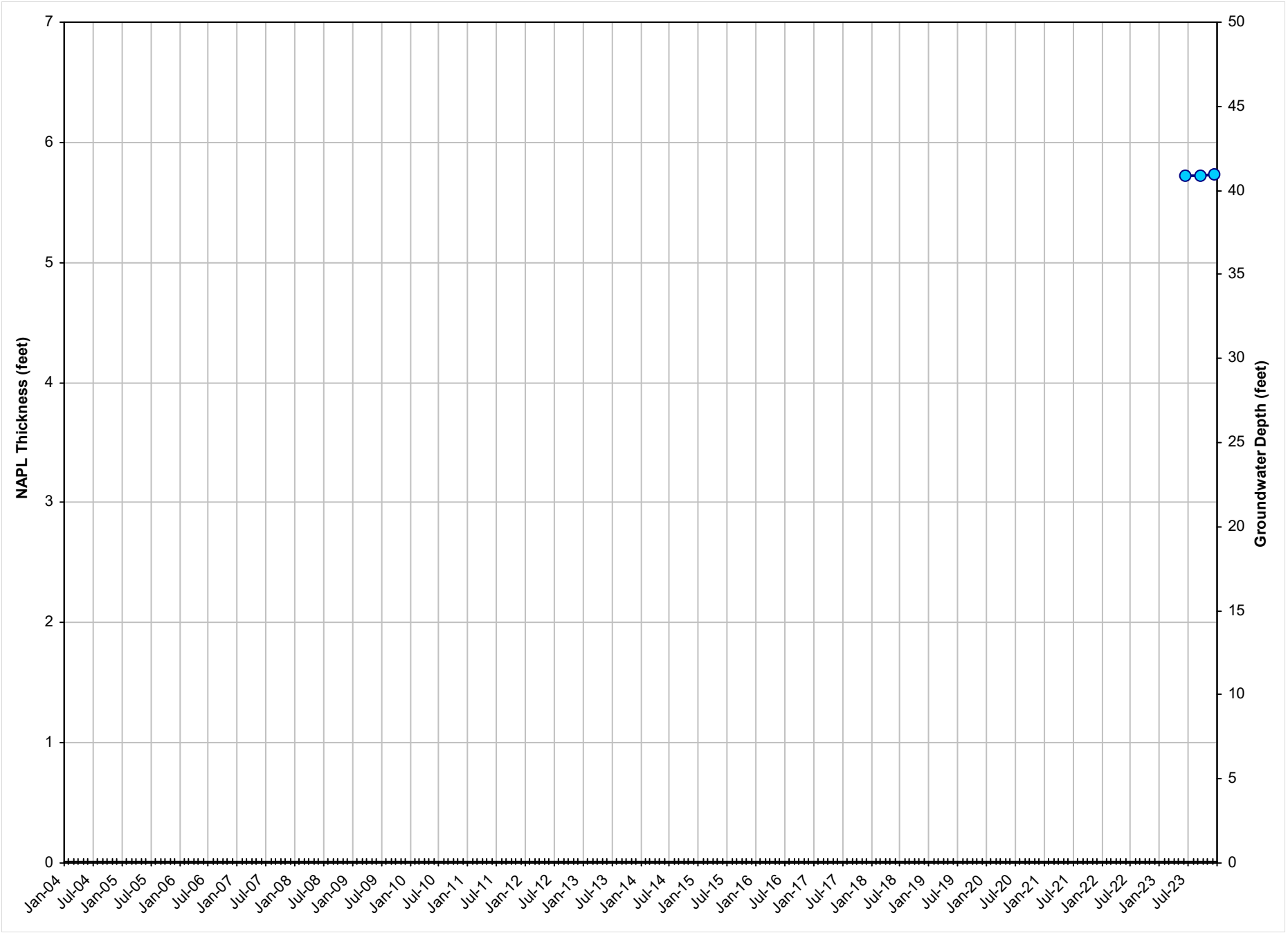
Released to Imaging: 12/16/2024 10:44:58 AM
Received by OCD: 12/6/2024 3:19:21 PM

GRAPH 35
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-35
Gladiola Station
Lea County, New Mexico

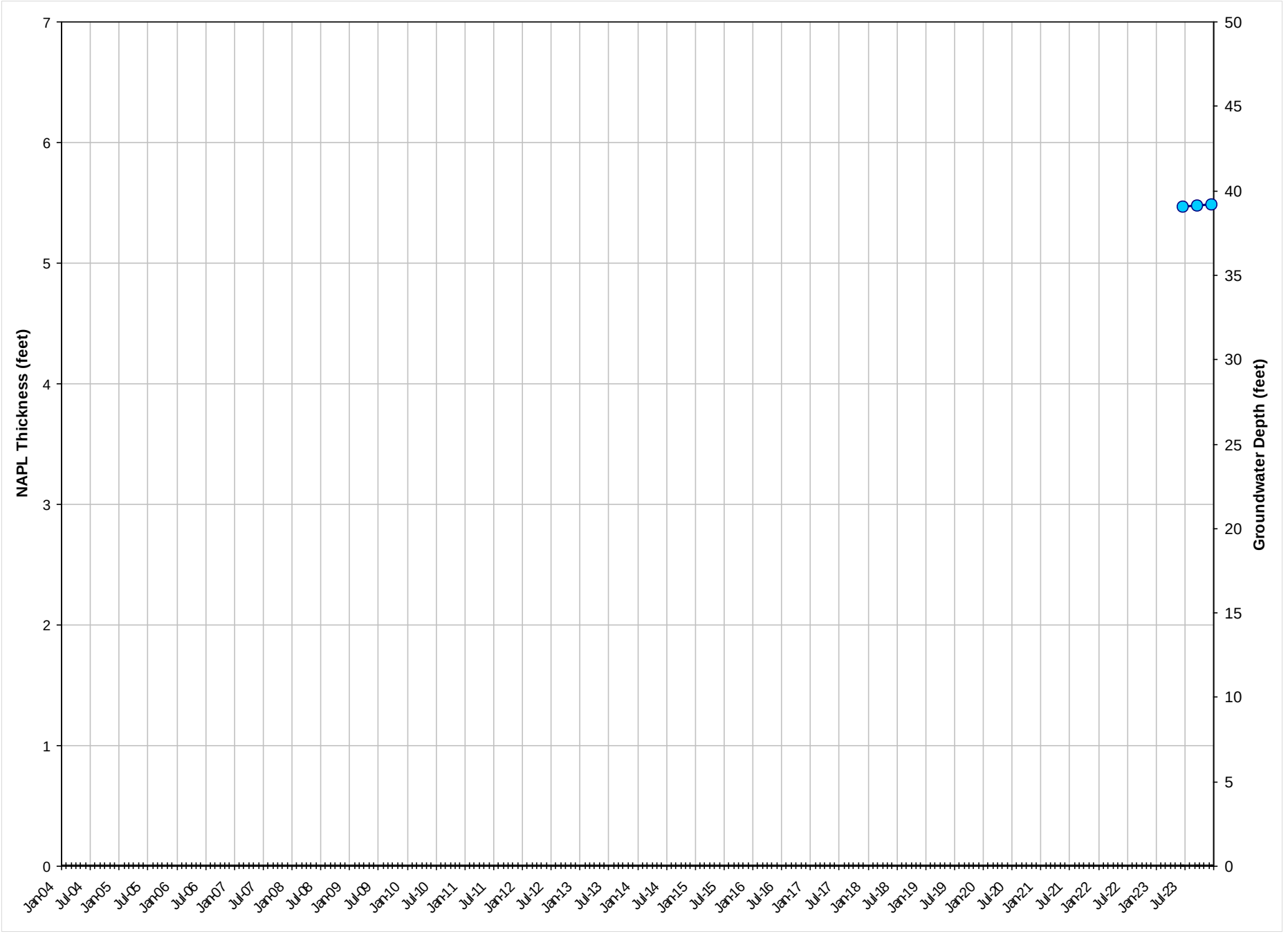


Released to Imaging: 12/16/2024 10:44:58 AM
Received by OCD: 12/6/2024 3:19:21 PM

GRAPH 36
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-36
Gladiola Station
Lea County, New Mexico



GRAPH 37
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-37
Gladiola Station
Lea County, New Mexico



GRAPH 38
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-38
Gladiola Station
Lea County, New Mexico

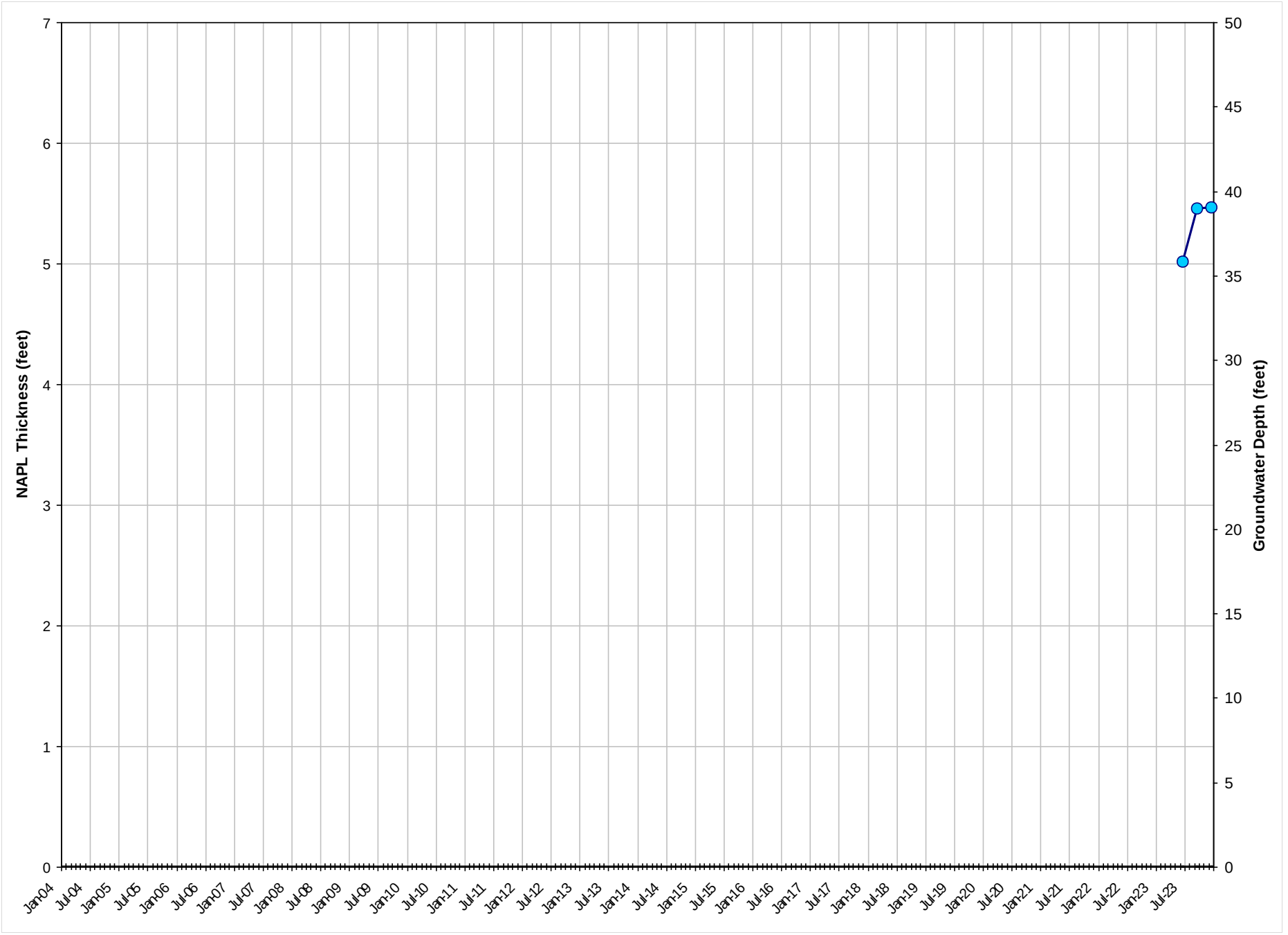


TABLE 1

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**						
09/08/23	3866.77	38.25	3828.62	0.12				
12/05/23	3866.77	38.36	3828.55	0.16				
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
09/08/23	3869.40	41.47	3827.94	0.01				
12/07/23	3869.40	41.50	3827.92	0.03				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
09/08/23	3865.34				Well not gauged or sampled.			
12/07/23	3865.34	36.92	3828.42	0.00	**0.35**	<0.0050	0.34	<0.010
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
09/08/23	3866.32	37.95	3828.58	0.25				
12/07/23	3866.32	37.90	3828.59	0.20				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
09/08/23	3868.65				Well not gauged or sampled.			
12/05/23	3868.65	39.9	3828.89	0.17				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
09/08/23	3868.44				Well not gauged or sampled.			
12/07/23	3868.44	40.10	3828.34	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
09/08/23	3865.76				Well not gauged or sampled.			
12/05/23	3865.76	Dry						
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
09/08/23	3869.90				Well not gauged or sampled.			
12/05/23	3869.90	41.58	3828.33	0.01				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
09/08/23	3870.47				Well not gauged or sampled.			
12/06/23	3870.47	42.37(f)	(f)	0.00				
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
09/08/23	3869.68				Well not gauged or sampled.			
12/06/23	3869.68	41.57	3828.11	0.00	<0.0020	<0.0020	<0.0020	<0.0040
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
09/08/23	3869.40				Well not gauged or sampled.			
12/07/23	3869.40	41.05	3828.38	0.04				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
09/08/23	3868.76				Well not gauged or sampled.			
12/05/23	3868.76	40.41	3828.69	0.40				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
09/08/23	3868.62				Well not gauged or sampled.			
12/05/23	3868.62	39.96	3828.77	0.13				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
09/08/23	3868.86				Well not gauged or sampled.			
12/05/23	3868.86	40.25	3828.67	0.07				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
09/08/23	3868.46				Well not gauged or sampled.			
12/07/23	3868.46	39.9	3828.73	0.20				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
09/08/23	3869.27	40.90	3828.37	0.00				
12/07/23	3869.27	41.01	3828.26	0.00	**0.035**	<0.0050	0.42	<0.010
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
09/08/23	3868.94	40.70	3828.75	0.62				
12/07/23	3868.94	40.30	3828.84	0.24				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
09/08/23	3868.90	40.24	3828.91	0.30				
12/07/23	3868.90	40.03	3828.94	0.08				
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
09/08/23	3869.15				Well not gauged or sampled.			
12/05/23	3869.15	40.56	3828.68	0.11				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
09/08/23	3869.07				Well not gauged or sampled.			
12/05/23	3869.07	40.28	3828.84	0.06				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
09/08/23	3869.86	41.74	3828.12	0.00				
12/06/23	3869.86	41.87	3827.99	0.00	<0.0010	<0.0010	<0.0010	<0.0020
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
09/08/23	3869.22				Well not gauged or sampled.			
12/05/23	3869.22	40.40	3828.83	0.01				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
09/08/23	3868.04	41.22	3828.82	2.41				
12/05/23	3868.04	41.46	3827.24	0.78				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
09/08/23	3869.14				Well not gauged or sampled.			
12/05/23	3869.14	40.88	3828.46	0.23				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
09/08/23	3869.15	42.00	3828.36	1.46				
12/05/23	3869.15	40.66	3830.02	1.80				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3869.12				Well not gauged or sampled.			
12/07/23	3869.12	40.54	3828.58	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3869.32				Well not gauged or sampled.			
12/06/23	3869.32	40.60	3828.72	0.00	0.00039 J	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3869.36				Well not gauged or sampled.			
12/06/23	3869.36	40.39	3828.97	0.00	<0.00050	<0.00050	<0.00050	<0.0010

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3869.10				Well not gauged or sampled.			
12/06/23	3869.10	40.09	3829.01	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3869.05	40.77	3828.28	0.00				
12/06/23	3869.05	40.84	3828.21	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
09/08/23	3870.19	42.14	3828.05	0.00				
12/05/23	3870.19	42.30	3827.89	0.00	0.00055	<0.00050	<0.00050	<0.0010
Field Point MW-33	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3869.17	41.05	3828.12	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.17	41.25	3827.92	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-34	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3869.35	41.45	3827.90	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.35	41.55	3827.80	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-35	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3869.00	41.46	3827.54	0.00	0.00016 J	<0.00050	<0.00050	<0.0010
12/05/23	3869.00	41.54	3827.46	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-36	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3869.23	40.90	3828.33	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.23	40.98	3828.25	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-37	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3867.91	39.10	3828.81	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/06/23	3867.91	39.19	3828.72	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-38	**Well Screen Interval (feet):**	**33.00-53.00**						
09/06/23	3867.70	39.00	3828.70	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/06/23	3867.70	39.07	3828.63	0.00	<0.00050	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, 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**																		
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000060 J	<0.00019	<0.00019	0.00043	<0.00019	0.00029	<0.00019	0.022	0.010	0.012	**0.044**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**																		
12/07/23	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0023	<0.00040	<0.00040	0.0027	<0.00040	0.0037	<0.00040	<0.00040	0.0018	<0.00040	0.0018
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-17	**Well Screen Interval (feet): 29.50-44.50**																		
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00032	<0.00019	0.00013 J	<0.00019	0.021	0.0084	0.0068	**0.0362**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**																		
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-28	**Well Screen Interval (feet): 35.00-50.00**																		
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-30	**Well Screen Interval (feet): 35.00-50.00**																		
12/06/23	<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**																		
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-32	**Well Screen Interval (feet): 35.00-50.00**																		
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00030	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-33	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-34	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-35	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-36	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-37	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<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-38	**Well Screen Interval (feet): 33.00-53.00**																		
09/06/23	<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

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-38	**Well Screen Interval (feet): 33.00-53.00**																		
12/06/23	<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

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data not used to compile groundwater elevation map.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**																								
12/07/23		**0.0530 J**																821	821	2.0	185	3.93	141	3.59	120	<2.0	**1010**
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**																								
12/07/23		**0.0392 J**	**9.02**		0.00150 J B	**0.0489 J**			0.00840 J	<0.000200			<0.0500	0.00470 J				1540	1540	1.3	197	17.4	371	2.05	41.1	0.64 J	**1500**
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**																								
12/07/23		**0.0556 J**																1170	1170	0.89	332	1.21 J	274	3.10	48.7	0.79 J	**1310**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**																								
12/07/23		**0.0270 J**	0.542		0.00210 J B	0.00730 J			0.00770 J	<0.000200			<0.0500	0.00380 J				497	497			1.01 J					606
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**																								
12/06/23		<0.100	0.142 B		<0.0100	**0.129**			<0.0500	<0.000200			<0.0500	<0.0100				383	383	1.3	125	159	45.7	3.76	168	90	968
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**																								
12/07/23		**0.0200 J**																708	708	0.11 J	74.6	0.906 J	139	1.27	20.2 B	0.59 J	820
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**																								
12/07/23		<0.100	**12.1**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				976	976	0.40	50.9	5.54	219	1.25	32.5	0.36 J	**1080**
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**																								
12/07/23		<0.100																1180	1180	0.64	45.5	68.3	94.1	1.62	455	7.4	**1600**
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**																								
12/07/23		<0.100																491	491	0.39	68	40.2	39.7	2.33	129 B	3.5	691
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**																								
12/06/23		<0.100	0.378 B		<0.0100	<0.0500			<0.0500	0.000161 J			<0.0500	<0.0100				375	375	0.71	107	79.0	46.9	2.74	77.5	82	729
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/07/23		<0.100	0.0458		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				162	162	0.80	135	**297**	28.6	3.05	129	140	**1020**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/06/23		**0.0227 J**	0.0454 B		<0.0100	0.00730 J			<0.0500	<0.000200			<0.0500	<0.0100				286	286	0.32	83.2	27.3	28.9	2.74	109	170	681
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/06/23		**0.0233 J**	0.476 B		<0.0100	0.00920 J			<0.0500	<0.000200			<0.0500	<0.0100				158	158	0.90	180	**389**	37.2	3.73	133	89	**1160**
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/06/23		<0.100	0.119 B		<0.0100	0.0125 J			<0.0500	<0.000200			<0.0500	<0.0100				163	163	0.52	112	188	27.4	2.98	85.2	92	747
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/06/23		<0.100	0.0502 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				161	161	0.55	115	224	24.5	2.82	102	95	875
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**																								
12/05/23	<0.100	**0.0214 J**	0.290	<0.0100	<0.0100	<0.0500	0.00290 J	<0.0500	<0.0500	<0.000200	<0.0500	<0.0500	<0.0500	<0.0100	<0.0500	<0.0100	<0.250	476				36.7					665
Field Point MW-33	**Well Screen Interval (feet):**		**33.00-53.00**																								
09/06/23		**0.0646 J**	0.565		<0.0100	**0.0153 J**			0.00530 J	<0.000200			<0.0500	<0.0100				251				**276**					**1000**
12/05/23	<0.100	**0.0491 J**	0.623	<0.0100	<0.0100	0.0135 J	0.00340 J	<0.0500	0.00710 J	<0.000200	<0.0500	0.00620 J	<0.0500	<0.0100	<0.0500	0.0389	<0.250	213		1.0		**273**				200	**1100**
Field Point MW-34	**Well Screen Interval (feet):**		**33.00-53.00**																								
09/06/23		**0.0302 J**	0.597		<0.0100	0.00440 J			<0.0500	<0.000200			<0.0500	<0.0100				247				102					672
12/05/23	<0.100	**0.0336 J**	0.518	<0.0100	<0.0100	0.00920 J	0.00390 J	0.00530 J	0.00750 J	<0.000200	<0.0500	0.00500 J	<0.0500	<0.0100	<0.0500	0.0579	<0.250	227		0.47		103				110	698
Field Point MW-35	**Well Screen Interval (feet):**		**33.00-53.00**																								
09/06/23		**0.0550 J**	0.146		<0.0100	**0.0541**			<0.0500	<0.000200			<0.0500	<0.0100				261				246					992
12/05/23	<0.100	**0.0411 J**	0.155	<0.0100	<0.0100	**0.0162 J**	0.00180 J	<0.0500	<0.0500	<0.000200	0.00570 J	0.00590 J	<0.0500	<0.0100	<0.0500	0.0175	<0.250	220		0.67		230				190	996

TABLE 3
GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Field Point MW-36 **Well Screen Interval (feet): 33.00-53.00**																											
09/06/23		<0.100	0.0805		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				174				**284**					**1080**
12/05/23	<0.100	<0.100	0.0539	<0.0100	<0.0100	0.00720 J	<0.0500	<0.0500	<0.0500	<0.000200	0.00700 J	<0.0500	<0.0500	<0.0100	<0.0500	0.0410	<0.250	166		0.66		**268**				140	938
Field Point MW-37 **Well Screen Interval (feet): 33.00-53.00**																											
09/06/23		<0.100	0.272		<0.0100	0.0121 J			0.00650 J	<0.000200			<0.0500	<0.0100				160				186					727
12/06/23		<0.100	0.0454 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				154	154	0.78	150	179	38.2	3.29	146	370	**1210**
Field Point MW-38 **Well Screen Interval (feet): 33.00-53.00**																											
09/06/23		**0.0299 J**	1.19		<0.0100	**0.0512**			0.0170 J	<0.000200			<0.0500	<0.0100				181				**369**					**1310**
12/06/23		<0.100	0.0428 B		<0.0100	<0.0500			<0.0500	0.000469			<0.0500	<0.0100				166	166	0.49	101	210	25.1	2.72	112	100	843

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data not used to compile groundwater elevation map.

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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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	0.00				
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							
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	3829.32	0.44				
10/01/19	3866.77	37.82	3829.25	0.36				
06/23/20	3866.77	37.89	3829.19	0.37				
12/14/20	3866.77	38.20	3828.60	0.04				
06/29/21	3866.77	37.92	3828.97	0.14				
12/20/21	3866.77	37.86	3829.01	0.12				
05/24/22	3866.77	37.89	3828.89	0.01				
12/28/22	3866.77	38.12	3828.74	0.11				
06/13/23	3866.77	38.21	3828.64	0.10				
09/08/23	3866.77	38.25	3828.62	0.12				
12/05/23	3866.77	38.36	3828.55	0.16				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
05/17/04	3867.89	37.04	3830.85	0.00				
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							
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				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
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				
06/17/14 - 10/01/19	3869.40				Inaccessible - Stick-up well casing damaged.			
06/23/20	3869.40	Dry		0.00	Well filled with silt up to the groundwater level.			
12/14/20	3869.40	Dry						
06/29/21	3869.40	Dry						
12/20/21	3869.40	41.18	3828.28	0.07				
05/24/22	3869.40	41.38	3828.16	0.17				
12/28/22	3869.40	41.48	3828.06	0.17				
06/13/23	3869.40	47.10	3822.38	0.10				
09/08/23	3869.40	41.47	3827.94	0.01				
12/07/23	3869.40	41.50	3827.92	0.03				
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
05/17/04	3863.72	32.79	3830.93	0.00				
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							
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	0.00				
03/04/19	3865.34	36.13	3829.21	0.00				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
10/01/19	3865.34	36.11	3829.23	0.00				
06/23/20	3865.34	36.16	3829.18	0.00	Insufficient water to sample.			
12/14/20	3865.34	36.38	3828.96	0.00				
12/16/20	3865.34				0.55	<0.0040	0.43	<0.0080
06/29/21	3865.34	36.48	3828.86	0.00				
07/01/21	3865.34				0.54	<0.0050	0.46	<0.010
12/20/21	3865.34	36.42	3828.92	0.00				
12/22/21	3865.34				0.66	<0.0050	0.54	<0.010
05/26/22	3865.34	36.81	3828.53	0.00	0.51	<0.0050	0.48	<0.010
12/28/22	3865.34	36.76	3828.58	0.00				
12/30/22	3865.34				0.45	<0.0050	0.43	<0.010
06/20/23	3865.34	38.85	3826.49	0.00				
06/21/23	3865.34				0.48	<0.0050	0.41	<0.010
06/21/23 D	3865.34				0.49	<0.0050	0.42	<0.010
09/08/23	3865.34				Well not gauged or sampled.			
12/07/23	3865.34	36.92	3828.42	0.00	0.35	<0.0050	0.34	<0.010
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
07/25/06	3864.66	29.57	3835.09	0.00	3.14	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	0.00	2.78	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	0.00	3.39	0.0151	0.337	0.662
09/21/08	3864.66							
09/26/08	3864.66	30.75	3833.93	0.02	2.95	0.0276	0.328	0.688
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	3829.30	0.62				
10/01/19	3866.32	37.61	3829.21	0.60				
06/23/20	3866.32	37.62	3829.18	0.58				
12/14/20	3866.32	37.80	3828.96	0.53				
06/29/21	3866.32	37.65	3828.94	0.33				
12/20/21	3866.32	37.59	3828.96	0.28				
05/24/22	3866.32	37.65	3828.84	0.21				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
12/28/22	3866.32	37.97	3828.47	0.14				
06/20/23	3866.32	38.10	3828.31	0.11				
09/08/23	3866.32	37.95	3828.58	0.25				
12/07/23	3866.32	37.90	3828.59	0.20				
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**							
07/20/06	3866.99	31.82	3835.17	0.00	6.93	0.374	0.567	1.14
02/07/07	3866.99	31.93	3835.06	0.00	6.91	0.297	0.905	1.74
04/15/08	3866.99	32.45	3834.54	0.00	5.44	0.0686	0.763	1.33
09/21/08	3866.99							
09/26/08	3866.99	33.07	3833.92	0.00	6.17	0.0979	0.736	1.220
02/06/09	3866.99	33.54	3833.45	0.00	5.61	0.0514	0.849	1.410
02/06/09 D	3866.99	33.54	3833.45	0.00	5.26	0.0438	0.835	1.320
05/19/09	3866.99	33.83	3833.16	0.00	5.08	0.0436	0.681	1.180
08/19/09	3866.99	34.15	3832.84	0.00	4.68	0.0567	0.726	0.932
08/19/09 D	3866.99	34.15	3832.84	0.00	4.79	0.0732	0.709	1.100
10/30/09	3866.99	34.35	3832.64	0.00	5.01	0.0933	0.713	1.25
10/12/11	3866.99	36.02	3830.97	0.00	3.5	0.00678	0.521	0.431
10/12/11 D	3866.99	36.02	3830.97	0.00	3.47	0.00666	0.52	0.407
02/22/12	3866.99	36.85	3830.14	0.00	3.75	0.00125	0.54	0.626
02/22/12 D	3866.99	36.85	3830.14	0.00	3.65	<0.00100	0.516	0.593
07/17/12	3868.54	36.70	3831.84	0.00	2.68	<0.00100	0.419	0.262
07/17/12 D	3868.54	36.70	3831.84	0.00	2.62	<0.00100	0.39	0.251
10/03/12	3868.54	37.54	3831.00	0.00	2.91	<0.00100	0.49	0.667
10/03/12 D	3868.54	37.54	3831.00	0.00	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				
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	3829.38	1.28				
10/01/19	3868.65	39.14	3830.32	0.97				
06/23/20	3868.65	40.20	3829.28	1.00				
12/14/20	3868.65	39.97	3829.11	0.52				
06/29/21	3868.65	40.00	3828.99	0.41				
12/20/21	3868.65	39.99	3829.08	0.50				
05/24/22	3868.65	39.98	3828.98	0.37				
12/28/22	3868.65	40.11	3828.86	0.39				
06/13/23	3868.65	40.12	3828.79	0.31				
09/08/23	3868.65				Well not gauged or sampled.			
12/05/23	3868.65	39.9	3828.89	0.17				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
07/21/06	3867.00	31.84	3835.16	0.00	0.034	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	0.00	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	0.00	1.34	<0.00100	<0.00100	<0.00300
09/21/08	3867.00							
09/26/08	3867.00	33.08	3833.92	0.00	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	0.00	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	0.00	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	0.00	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	0.00				
10/13/11	3867.00	36.14	3830.86	0.00				
02/22/12	3867.00	38.65	3828.35	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	0.00	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	0.00	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	0.00	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	0.00	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	0.00	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	0.00				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	0.00				
05/24/17	3868.52				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	0.00				
11/29/17	3868.52				<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	0.00				
07/20/18	3868.66				<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3829.40	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3868.66	39.32	3829.34	0.00	Insufficient water to sample.			
06/23/20	3868.66	39.35	3829.31	0.00	Insufficient water to sample.			
12/14/20	3868.66	39.49	3829.17	0.00	Insufficient water to sample.			
06/29/21	3868.66	39.65	3829.01	0.00				
07/01/21	3868.66				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3868.66	39.53	3829.13	0.00				
12/22/21	3868.66				<0.00050	<0.00050	<0.00050	<0.0010
05/26/22	3868.66	39.78	3828.88	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3868.66	39.86	3828.80	0.00				
12/29/22	3868.66				<0.0010	<0.0010	<0.0010	<0.0020
06/20/23	3868.44	40.01	3828.51	0.10				
09/08/23	3868.44				Well not gauged or sampled.			
12/07/23	3868.44	40.10	3828.34	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
07/25/06	3864.14	29.05	3835.09	0.00	0.0279	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	0.00	0.0332	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	0.00	0.0147	<0.00100	0.00422	0.0167
09/20/08	3864.14							

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
09/26/08	3864.14	30.17	3833.97	0.00	0.0194	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	0.00	0.0158	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	0.00	0.0138	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	0.00	0.0250	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	0.00	0.0363	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	0.00	0.0115	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	0.00	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	0.00				
11/18/14	3865.67	35.64	3830.03	0.00				
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						
11/28/17	3865.67	36.11	3829.56	0.00				
07/17/18	3865.76	Dry						
03/04/19	3865.76	Dry						
10/01/19	3865.76	Dry						
06/23/20	3865.76	Dry						
12/14/20	3865.76	Dry						
06/29/21	3865.76	Dry						
12/20/21	3865.76	Dry						
05/24/22	3865.76	Dry						
12/28/22	3865.76	Dry						
06/20/23	3865.76	Dry						
09/08/23	3865.76				Well not gauged or sampled.			
12/05/23	3865.76	Dry						
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	0.00	0.0176	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	0.00	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	0.00	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80							
09/26/08	3863.80	29.92	3833.88	0.00	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	0.00	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	0.00	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	0.00	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	0.00	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.			

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
07/21/06	3868.29	33.48	3834.81	0.00	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	0.00	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	0.00	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29							
09/26/08	3868.29	34.66	3833.63	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/05/09	3868.29	35.16	3833.13	0.00	0.00585	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	0.00	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	0.00	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	0.00	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	3829.04	0.44				
10/01/19	3869.90	41.25	3828.97	0.38				
06/23/20	3869.90	41.20	3828.95	0.30				
12/14/20	3869.90	41.42	3828.71	0.28				
06/29/21	3869.90	41.51	3828.49	0.12				
12/20/21	3869.90	41.27	3828.70	0.08				
05/24/22	3869.90	41.30	3828.62	0.02				
05/25/22	3869.90	41.29	3828.62	0.01				
12/28/22	3869.90	41.68	3828.27	0.02				
06/13/23	3869.90	41.51	3828.42	0.04				
09/08/23	3869.90				Well not gauged or sampled.			
12/05/23	3869.90	41.58	3828.33	0.01				
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/21/06	3868.85	34.10	3834.75	0.00	0.0133	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	0.00	0.0115	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	0.00	0.00599	<0.00100	<0.00100	<0.00300
09/21/08	3868.85							
09/26/08	3868.85	35.34	3833.51	0.00	0.00635	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	0.00	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	0.00	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	0.00	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	0.00				
10/13/11	3868.85	38.30	3830.55	0.00	<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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
02/22/12	3868.85	38.83	3830.02	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3870.38	39.46	3830.92	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	0.00	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	0.00	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	0.00	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	0.00	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	0.00	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	0.00	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	0.00	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	0.00	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	0.00	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	0.00				
05/24/17	3870.38				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	0.00				
11/29/17	3870.38				0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	0.00				
07/20/18	3870.47	41.30	3829.17	0.00	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3828.89	0.00	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3828.89	0.00	Insufficient water to sample.			
06/23/20	3870.47	41.62	3828.85	0.00	Insufficient water to sample.			
12/14/20	3870.47	41.72	3828.75	0.00	Insufficient water to sample.			
06/29/21	3870.47	41.90	3828.57	0.00				
07/01/21	3870.47				0.00094 J	<0.0010	<0.0010	0.0041
12/20/21	3870.47	41.88	3828.59	0.00				
12/22/21	3870.47				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3870.47	41.42	3829.05	0.00	Insufficient water to sample.			
12/28/22	3870.47	42.90(f)	(f)	0.00				
06/20/23	3870.47	42.27	3828.20	0.00	Insufficient water to sample.			
09/08/23	3870.47				Well not gauged or sampled.			
12/06/23	3870.47	42.37(f)	(f)	0.00				
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3868.06	31.50	3836.56	0.00	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06							
09/26/08	3868.06	34.65	3833.41	0.00	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	0.00	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	0.00	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	0.00	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	0.00	<0.00100	<0.00100	<0.00100	<0.002

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
12/08/15	3869.58	40.29	3829.29	0.00	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	0.00				
10/25/16	3868.06				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	0.00				
05/24/17	3868.06				<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	0.00				
11/29/17	3868.06				<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	0.00				
07/18/18	3869.68	40.58	3829.10	0.00	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3828.79	0.00				
03/07/19	3869.68	40.71	3828.97	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3828.82	0.00				
10/03/19	3869.68				<0.00050	<0.00050	0.00033 J	<0.0010
06/23/20	3869.68	40.93	3828.75	0.00				
06/25/20	3869.68				0.00011 J	<0.00050	0.000099 J	<0.0010
12/14/20	3869.68	41.01	3828.67	0.00				
12/16/20	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.68	41.19	3828.49	0.00				
07/01/21	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.68	41.14	3828.54	0.00				
12/21/21	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.68	41.28	3828.40	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.68	41.33	3828.35	0.00				
12/30/22	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.68	41.45	3828.23	0.00				
06/21/23	3869.68				<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.68				Well not gauged or sampled.			
12/06/23	3869.68	41.57	3828.11	0.00	<0.0020	<0.0020	<0.0020	<0.0040
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.74	31.50	3836.24	0.00	0.0504	0.00401	0.242	0.598
09/21/08	3867.74							
09/26/08	3867.74	34.12	3833.62	0.00	0.222	0.0116	0.978	1.84
02/05/09	3867.74	34.67	3833.07	0.00	0.178	0.0134	1.19	2.22
05/19/09	3867.74	34.98	3832.76	0.00	0.143	0.0128	0.882	1.65
08/19/09	3867.74	35.20	3832.54	0.00	0.162	0.00987	0.937	1.68
10/30/09	3867.74	35.45	3832.29	0.00	0.162	0.0128	1.02	1.99
10/13/11	3867.74	37.12	3830.62	0.00	0.055	0.00603	0.476	1.01
02/22/12	3867.74	37.46	3830.28	0.00	0.059	0.005	0.869	1.66
07/17/12	3869.27	37.90	3831.37	0.00	0.050	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	0.00	0.054	0.0152	0.822	1.67
05/14/13	3869.27	38.60	3830.67	0.00				
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				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**							
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	3828.98	0.47				
10/01/19	3869.40	40.78	3828.94	0.39				
06/23/20	3869.40	40.76	3828.92	0.34				
12/14/20	3869.40	40.79	3828.73	0.15				
06/29/21	3869.40	40.93	3828.63	0.19				
12/20/21	3869.40	40.97	3828.52	0.11				
05/25/22	3869.40	40.93	3828.55	0.10				
12/28/22	3869.40	41.04	3828.47	0.13				
06/13/23	3869.40	41.04	3828.37	0.01				
09/08/23	3869.40				Well not gauged or sampled.			
12/07/23	3869.40	41.05	3828.38	0.04				
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.11	29.65	3837.46	0.00	3.64	0.102	0.292	0.499
09/21/08	3867.11							
09/26/08	3867.11	33.11	3834.00	0.00	9.26	0.513	0.972	1.71
02/06/09	3867.11	33.62	3833.49	0.00	10.1	0.554	1.050	1.89
05/19/09	3867.11	33.88	3833.23	0.00	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				
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	3829.44	1.02				
10/01/19	3868.76	40.24	3829.37	1.03				
06/23/20	3868.76	40.35	3829.31	1.09				
12/14/20	3868.76	39.91	3829.15	0.36				
06/29/21	3868.76	40.10	3829.07	0.49				
12/20/21	3868.76	39.87	3829.15	0.31				
05/26/22	3868.76	39.97	3828.98	0.23				
12/28/22	3868.76	40.22	3828.93	0.47				
06/13/23	3868.76	40.39	3828.83	0.55				
09/08/23	3868.76				Well not gauged or sampled.			

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**							
12/05/23	3868.76	40.41	3828.69	0.40				
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
04/30/08	3866.92	29.48	3837.44	0.00	0.0449	0.00125	0.0231	0.0341
09/21/08	3866.92							
09/26/08	3866.92	32.82	3834.10	0.00	0.123	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	0.00	0.240	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	0.00	0.120	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	0.00	0.112	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	0.00	0.119	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	0.00	0.075	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	0.00	0.0782	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	0.00	0.0798	<0.00100	0.0731	0.0535
10/03/12	3868.47	36.90	3831.57	0.00	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	3829.54	0.85				
10/01/19	3868.62	39.85	3830.52	2.11				
06/23/20	3868.62	40.10	3829.42	1.09				
12/14/20	3868.62	39.58	3829.24	0.24				
06/29/21	3868.62	39.47	3829.17	0.03				
12/20/21	3868.62	39.56	3829.22	0.19				
05/24/22	3868.62	39.64	3829.12	0.17				
12/28/22	3868.62	39.75	3829.02	0.18				
06/14/23	3868.62	39.84	3828.88	0.12				
09/08/23	3868.62				Well not gauged or sampled.			
12/05/23	3868.62	39.96	3828.77	0.13				
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3867.19	29.74	3837.45	0.00	1.230	0.167	0.320	0.554
09/21/08	3867.19							
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					**0.005**	**1**	**0.7**	**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	3829.51	0.34				
10/01/19	3868.86	39.71	3829.42	0.33				
06/23/20	3868.86	39.80	3829.35	0.35				
12/14/20	3868.86	39.93	3829.06	0.16				
06/29/21	3868.86	39.75	3829.23	0.14				
12/20/21	3868.86	39.78	3829.21	0.16				
05/24/22	3868.86	39.94	3829.00	0.10				
12/28/22	3868.86	40.08	3828.87	0.11				
06/13/23	3868.86	40.18	3828.76	0.10				
09/08/23	3868.86				Well not gauged or sampled.			
12/05/23	3868.86	40.25	3828.67	0.07				
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
04/30/08	3867.02	29.95	3837.07	0.00	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02							
09/26/08	3867.02	32.94	3834.08	0.00	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	0.00	0.0113	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	0.00	0.00670	<0.00100	0.0488	0.0526
08/19/09	3867.02	34.00	3833.02	0.00	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	0.00	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	0.00	0.00576	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	0.00	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	0.00	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	0.00	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	3829.63	0.79				
10/01/19	3868.68	39.71	3829.48	0.62				
06/23/20	3868.68	39.63	3829.52	0.57				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
12/14/20	3868.68	39.63	3829.26	0.25				
06/29/21	3868.68	39.65	3829.20	0.20				
12/20/21	3868.68	39.79	3829.01	0.15				
05/26/22	3868.68	39.56	3829.18	0.07				
12/28/22	3868.68	39.71	3829.08	0.13				
06/13/23	3868.46	39.87	3828.76	0.20				
09/08/23	3868.46				Well not gauged or sampled.			
12/07/23	3868.46	39.9	3828.73	0.20				
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.64	35.22	3832.42	0.00	1.28	0.0146	0.845	1.19
10/30/09	3867.64	35.40	3832.24	0.00	1.52	0.0211	0.986	1.55
10/13/11	3867.64	37.10	3830.54	0.00	0.68	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	0.00	0.871	<0.00100	0.727	1.16
07/17/12	3869.14	37.75	3831.39	0.00	0.649	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	0.00	0.825	0.0103	0.682	1.22
05/14/13	3869.14	38.52	3830.62	0.00				
01/28/14	3869.14	39.14	3830.00	0.00				
06/17/14	3869.14	39.43	3829.71	0.00				
11/07/14	3869.14	39.64	3829.50	0.00				
12/09/15	3869.14	39.72	3829.42	0.00				
04/26/16	3869.14	38.36	3830.78	0.00				
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	0.00				
11/29/17	3869.14				0.17	<0.012	0.77	0.27
07/17/18	3869.27	40.08	3829.19	0.00				
07/18/18	3869.27				0.15	<0.010	0.72	0.20
03/04/19	3869.27	40.38	3828.89	0.00				
03/06/19	3869.27	40.20	3829.07	0.00	0.12	<0.010	0.59	0.052 JB
10/01/19	3869.27	40.34	3828.93	0.00				
10/03/19	3869.27				0.12	<0.010	0.73	0.20
06/23/20	3869.27	40.41	3828.86	0.00				
06/25/20	3869.27				0.14	<0.010	0.91	0.13
12/14/20	3869.27	40.48	3828.79	0.00				
12/16/20	3869.27				0.10	<0.0020	0.58	0.15
06/29/21	3869.27	40.67	3828.60	0.00				
06/30/21	3869.27				0.11	<0.010	0.88	0.54
12/20/21	3869.27	40.61	3828.66	0.00				
12/21/21	3869.27				0.093	<0.010	0.91	0.27
05/25/22	3869.27	40.80	3828.47	0.00	0.084	<0.010	0.770	0.037
12/28/22	3869.27	40.78	3828.49	0.00				
12/29/22	3869.27				0.078	<0.010	0.71	0.018 J
06/20/23	3869.27	40.93	3828.34	0.00	0.053	<0.010	0.59	0.0080 J
09/08/23	3869.27	40.90	3828.37	0.00				
12/07/23	3869.27	41.01	3828.26	0.00	0.035	<0.0050	0.42	<0.010

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.31	34.45	3832.86	0.00	2.40	0.0206	0.681	0.836
10/30/09	3867.31	34.60	3832.71	0.00	2.88	0.0144	0.779	0.703
10/13/11	3867.31	36.26	3831.05	0.00	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	3829.44	0.30				
10/01/19	3868.94	39.88	3829.39	0.40				
06/23/20	3868.94	40.02	3829.36	0.53				
12/14/20	3868.94	40.21	3829.15	0.50				
06/29/21	3868.94	40.92	3829.05	1.24				
12/20/21	3868.94	40.89	3829.13	1.30				
05/26/22	3868.94	40.95	3828.99	1.20				
12/28/22	3868.94	41.37	3828.76	1.43				
06/14/23	3868.94	41.20	3828.81	1.29				
09/08/23	3868.94	40.70	3828.75	0.62				
12/07/23	3868.94	40.30	3828.84	0.24				
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.26	34.22	3833.04	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.26	37.14	3830.12	0.00	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.75	36.98	3831.77	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	0.00	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	0.00	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	0.00	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	0.00	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	0.00				
10/25/16	3868.75				0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	0.00				
05/24/17	3868.75				0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	0.00				
11/29/17	3868.75				0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	0.00				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
07/18/18	3868.90				0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3829.59	0.00	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3829.55	0.00				
10/02/19	3868.90				0.00019 J	<0.00050	<0.00050	<0.0010
06/23/20	3868.90	39.47	3829.43	0.00				
06/24/20	3868.90				0.00017 J	<0.00050	0.00038 J	0.0010
12/14/20	3868.90	39.55	3829.35	0.00				
12/15/20	3868.90				0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3829.19	0.11				
12/20/21	3868.90	39.54	3829.79	0.52				
05/26/22	3868.90	40.65	3829.14	1.07				
12/28/22	3868.90	40.68	3829.07	1.02				
06/14/23	3868.90	40.90	3828.84	1.01				
09/08/23	3868.90	40.24	3828.91	0.30				
12/07/23	3868.90	40.03	3828.94	0.08				
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.50	34.69	3832.81	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	0.00	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	0.00	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				
03/04/19	3869.15	39.99	3829.58	0.50				
10/01/19	3869.15	40.98	3829.37	1.45				
06/23/20	3869.15	41.23	3829.30	1.66				
12/14/20	3869.15	41.34	3829.15	1.62				
06/29/21	3869.15	41.10	3829.01	1.16				
12/20/21	3869.15	40.36	3829.12	0.40				
05/26/22	3869.15	40.39	3828.97	0.25				
12/28/22	3869.15	40.50	3828.78	0.16				
06/14/23	3869.15	40.46	3828.71	0.03				
09/08/23	3869.15				Well not gauged or sampled.			
12/05/23	3869.15	40.56	3828.68	0.11				
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.43	34.42	3833.01	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	0.00	<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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
10/13/11	3867.43	36.24	3831.19	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	0.00	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	0.00	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	0.00	0.0124	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	0.00	0.0115	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	0.00				
10/25/16	3868.89				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	3829.62	0.95				
10/01/19	3869.07	40.13	3829.55	0.74				
06/23/20	3869.07	40.20	3829.49	0.75				
12/14/20	3869.07	39.89	3829.33	0.18				
06/29/21	3869.07	40.01	3829.19	0.16				
12/20/21	3869.07	39.89	3829.30	0.15				
05/26/22	3869.07	40.04	3829.13	0.12				
12/28/22	3869.07	40.21	3828.92	0.07				
06/14/23	3869.07	41.16	3827.96	0.06				
09/08/23	3869.07				Well not gauged or sampled.			
12/05/23	3869.07	40.28	3828.84	0.06				
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**							
10/30/09	3868.21	36.27	3831.94	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	0.00	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	0.00	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	0.00	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	0.00	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	0.00	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	0.00				
10/25/16	3869.73				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	0.00				
05/24/17	3869.73				<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	0.00				
11/29/17	3869.73				<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	0.00				
07/18/18	3869.86	40.90	3828.96	0.00	<0.00050	0.00041 J	<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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**							
03/06/19	3869.86	41.16	3828.70	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3828.68	0.00				
10/03/19	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.86	41.24	3828.62	0.00				
06/25/20	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.86	41.32	3828.54	0.00				
12/16/20	3869.86				<0.00050	<0.00050	0.00099	<0.0010
06/29/21	3869.86	41.51	3828.35	0.00				
07/01/21	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.86	41.44	3828.42	0.00				
12/21/21	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.86	41.58	3828.28	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.86	41.62	3828.24	0.00				
12/30/22	3869.86				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.86	41.75	3828.11	0.00				
06/21/23	3869.86				0.00022 J	<0.00050	<0.00050	<0.0010
09/08/23	3869.86	41.74	3828.12	0.00				
12/06/23	3869.86	41.87	3827.99	0.00	<0.0010	<0.0010	<0.0010	<0.0020
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**							
02/22/12	3867.58	36.77	3830.81	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	0.00	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	0.00	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	0.00	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	0.00	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	0.00	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	0.00	0.13	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	0.00	1.45	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	0.00	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	3829.58	0.10				
10/01/19	3869.22	39.74	3829.52	0.05				
06/23/20	3869.22	39.81	3829.47	0.07				
12/14/20	3869.22	39.96	3829.30	0.05				
06/29/21	3869.22	40.07	3829.17	0.03				
12/20/21	3869.22	40.01	3829.28	0.08				
05/26/22	3869.22	40.13	3829.11	0.03				
12/28/22	3869.22	40.12	3829.13	0.04				
06/14/23	3869.22	40.28	3828.95	0.01				
09/08/23	3869.22				Well not gauged or sampled.			
12/05/23	3869.22	40.40	3828.83	0.01				
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				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-24	**Well Screen Interval (feet): 28.00-43.00**							
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				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3829.39	1.80				
10/01/19	3868.04	39.98	3828.91	1.02				
06/23/20	3868.04	40.95	3829.21	2.55				
12/14/20	3868.04	40.04	3829.05	1.27				
06/29/21	3868.04	38.44	3830.51	1.10				
12/20/21	3868.04	39.38	3829.37	0.86				
05/26/22	3868.04	39.72	3828.95	0.76				
12/28/22	3868.04	40.21	3829.02	1.43				
06/13/23	3868.04	40.25	3828.72	1.12				
09/08/23	3868.04	41.22	3828.82	2.41				
12/05/23	3868.04	41.46	3827.24	0.78				
Field Point MW-25	**Well Screen Interval (feet): 28.00-43.00**							
02/22/12	3867.61	37.00	3830.61	0.00	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	3829.27	1.35				
10/01/19	3869.14	41.49	3829.19	1.85				
06/23/20	3869.14	41.89	3829.17	2.31				
12/14/20	3869.14	40.69	3829.01	0.67				
06/29/21	3869.14	40.78	3828.92	0.67				
12/20/21	3869.14	40.56	3828.97	0.47				
05/26/22	3869.14	40.62	3828.82	0.36				
12/28/22	3869.14	40.76	3828.64	0.31				
06/13/23	3869.14	40.65	3828.68	0.23				
09/08/23	3869.14				Well not gauged or sampled.			
12/05/23	3869.14	40.88	3828.46	0.23				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**							
02/22/12	3867.59	37.28	3830.31	0.00	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	0.00	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	0.00	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	0.00	0.0153	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	0.00	0.0129	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	0.00	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	0.00	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	0.00	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	0.00	0.0242	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	0.00				
10/25/16	3868.98				<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	0.00				
05/24/17	3868.98				0.037	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	0.00				
11/29/17	3868.98				0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	0.00				
07/18/18	3869.15				0.12	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3829.01	0.55				
10/01/19	3869.15	41.41	3829.01	1.53				
06/23/20	3869.15	41.60	3828.94	1.67				
12/14/20	3869.15	41.82	3828.77	1.74				
06/29/21	3869.15	42.01	3828.63	1.80				
12/20/21	3869.15	41.81	3828.73	1.67				
05/25/22	3869.15	42.10	3828.58	1.84				
12/28/22	3869.15	42.13	3828.51	1.80				
06/14/23	3869.15	42.18	3828.41	1.73				
09/08/23	3869.15	42.00	3828.36	1.46				
12/05/23	3869.15	40.66	3830.02	1.80				
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**							
07/17/18	3869.12	39.63	3829.49	0.00				
07/19/18	3869.12	39.60	3829.52	0.00	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3829.27	0.00	0.000083 J	<0.00050	<0.00050	<0.00050
10/01/19	3869.12	39.88	3829.24	0.00				
10/02/19	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.12	39.98	3829.14	0.00				
06/24/20	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.12	40.05	3829.07	0.00				
12/15/20	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.12	40.25	3828.87	0.00				
06/30/21	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.12	40.16	3828.96	0.00				
12/21/21	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.12	40.33	3828.79	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.12	40.38	3828.74	0.00				
12/29/22	3869.12				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.12	40.53	3828.59	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.12				Well not gauged or sampled.			

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**							
12/07/23	3869.12	40.54	3828.58	0.00	<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	0.00				
07/19/18	3869.32				<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3828.32	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3829.43	0.00				
10/02/19	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.32	39.99	3829.33	0.00				
06/24/20	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.32	40.06	3829.26	0.00				
12/15/20	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.32	40.26	3829.06	0.00				
06/30/21	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.32	40.11	3829.21	0.00				
12/21/21	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.32	40.40	3828.92	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.32	40.36	3828.96	0.00				
12/29/22	3869.32				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.08	40.51	3828.57	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.32				Well not gauged or sampled.			
12/06/23	3869.32	40.60	3828.72	0.00	0.00039 J	<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	0.00				
07/19/18	3869.36	39.47	3829.89	0.00	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3829.47	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3829.66	0.00				
10/02/19	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3829.53	0.00				
06/24/20	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.36	39.88	3829.48	0.00				
12/15/20	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3829.28	0.00				
06/30/21	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.36	40.01	3829.35	0.00				
12/21/21	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.36	40.07	3829.29	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.36	40.16	3829.20	0.00				
12/29/22	3869.36				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.36	40.34	3829.02	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.36				Well not gauged or sampled.			
12/06/23	3869.36	40.39	3828.97	0.00	<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	0.00				
07/19/18	3869.10				<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3829.66	0.00	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.10	39.39	3829.71	0.00				

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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**							
10/02/19	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.10	39.52	3829.58	0.00				
06/24/20	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.10	39.57	3829.53	0.00				
12/15/20	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.10	39.77	3829.33	0.00				
06/30/21	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.10	39.68	3829.42	0.00				
12/21/21	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
05/24/22	3869.10	39.75	3829.35	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/28/22	3869.10	39.85	3829.25	0.00				
12/29/22	3869.10				<0.00050	<0.00050	<0.00050	<0.0010
06/20/23	3869.10	40.04	3829.06	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.10				Well not gauged or sampled.			
12/06/23	3869.10	40.09	3829.01	0.00	<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	0.00				
07/19/18	3869.05				<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3828.89	0.00	0.00044 J	<0.00050	0.00065	0.0019 J
10/01/19	3869.05	40.18	3828.87	0.00				
10/03/19	3869.05				0.00011 J	<0.00050	0.00013 J	<0.0010
06/23/20	3869.05	40.25	3828.80	0.00				
06/25/20	3869.05				<0.00050	<0.00050	0.00028 J	<0.0010
12/14/20	3869.05	40.32	3828.73	0.00				
12/16/20	3869.05				0.00045 J	<0.00050	0.00039 J	<0.0010
06/29/21	3869.05	40.50	3828.55	0.00				
07/01/21	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.05	40.44	3828.61	0.00				
12/22/21	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
05/25/22	3869.05	40.61	3828.44	0.00	0.00021 J	<0.00050	<0.00050	<0.0010
12/28/22	3869.05	40.64	3828.41	0.00				
12/30/22	3869.05				0.00022 J	<0.00050	<0.00050	<0.0010
06/20/23	3869.05	40.76	3828.29	0.00				
06/21/23	3869.05				<0.00050	<0.00050	<0.00050	<0.0010
09/08/23	3869.05	40.77	3828.28	0.00				
12/06/23	3869.05	40.84	3828.21	0.00	<0.00050	<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	0.00				
07/19/18	3870.35				0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3829.09	0.00	0.0020	0.00012 J	0.00017 J	0.00048 JB
10/01/19	3870.35	41.55	3828.80	0.00				
10/03/19	3870.35				0.0012	<0.00050	<0.00050	<0.0010
06/23/20	3870.35	41.63	3828.72	0.00				
06/24/20	3870.35				0.00097	<0.00050	<0.00050	<0.0010
12/14/20	3870.35	41.69	3828.66	0.00				
12/16/20	3870.35				0.00087	<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					**0.005**	**1**	**0.7**	**0.62**
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**							
06/29/21	3870.35	41.89	3828.46	0.00				
06/30/21	3870.35				0.00097	<0.00050	<0.00050	<0.0010
12/20/21	3870.35	41.81	3828.54	0.00				
12/21/21	3870.35				0.00071	<0.00050	<0.00050	<0.0010
05/25/22	3870.35	41.99	3828.36	0.00	0.00073	<0.00050	<0.00050	<0.0010
12/28/22	3870.35	42.01	3828.34	0.00				
12/29/22	3870.35				0.00079	<0.00050	0.00032 J	<0.0010
06/20/23	3870.19	42.13	3828.06	0.00	0.00077	<0.00050	<0.00050	<0.0010
06/22/23	3870.19							
09/08/23	3870.19	42.14	3828.05	0.00				
12/05/23	3870.19	42.30	3827.89	0.00	0.00055	<0.00050	<0.00050	<0.0010
Field Point MW-33	**Well Screen Interval (feet): 33.00-53.00**							
06/22/23	3869.17	41.02	3828.15	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3869.17	41.05	3828.12	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.17	41.25	3827.92	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-34	**Well Screen Interval (feet): 33.00-53.00**							
06/22/23	3869.35	41.39	3827.96	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3869.35	41.45	3827.90	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.35	41.55	3827.80	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-35	**Well Screen Interval (feet): 33.00-53.00**							
06/22/23	3869.00	41.48	3827.52	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3869.00	41.46	3827.54	0.00	0.00016 J	<0.00050	<0.00050	<0.0010
12/05/23	3869.00	41.54	3827.46	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-36	**Well Screen Interval (feet): 33.00-53.00**							
06/20/23	3869.23	40.84	3828.39	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3869.23	40.90	3828.33	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/05/23	3869.23	40.98	3828.25	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-37	**Well Screen Interval (feet): 33.00-53.00**							
06/23/23	3867.91	39.05	3828.86	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3867.91	39.10	3828.81	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/06/23	3867.91	39.19	3828.72	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-38	**Well Screen Interval (feet): 33.00-53.00**							
06/22/23	3867.70	35.86	3831.84	0.00	<0.00050	<0.00050	<0.00050	<0.0010
09/06/23	3867.70	39.00	3828.70	0.00	<0.00050	<0.00050	<0.00050	<0.0010
12/06/23	3867.70	39.07	3828.63	0.00	<0.00050	<0.00050	<0.00050	<0.0010
Field Point SB-1GW	**Grab Groundwater Sample**							
10/28/11					0.00719	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11					1.88	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11					1.94	2.42	0.986	2.27

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					**0.005**	**1**	**0.7**	**0.62**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11					3.91	0.0703	0.587	1.15
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11					2.9	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11					0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11					0.135	0.00135	0.0263	0.0759

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data 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**
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00048	<0.00019	0.00047	<0.00019	0.022	0.012	0.014	**0.048**
06/21/23 D	0.00066	0.00083	<0.00019	<0.00019	0.000097 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00065	<0.00019	0.00061	<0.00019	0.025	0.014	0.017	**0.056**
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000060 J	<0.00019	<0.00019	0.00043	<0.00019	0.00029	<0.00019	0.022	0.010	0.012	**0.044**
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**

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**																			
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**
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
12/07/23	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0023	<0.00040	<0.00040	0.0027	<0.00040	0.0037	<0.00040	<0.00040	0.0018	<0.00040	0.0018
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**

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**																			
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
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

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**																			
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
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
06/21/23		<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23		<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-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**

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-12	**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	0.00270 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**
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**

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**																			
10/30/09	<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**
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 JB	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**
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00070	<0.00019	0.00038	<0.00019	0.026	0.015	0.014	**0.055**
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00032	<0.00019	0.00013 J	<0.00019	0.021	0.0084	0.0068	**0.0362**
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

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**																			
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
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

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-22 **Well Screen Interval (feet): 30.00-45.00**																			
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	<0.00019	<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
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-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

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-27	**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	<0.00020	<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
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/07/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-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
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
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-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

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-30	**Well Screen Interval (feet): 35.00-50.00**																		
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
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<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
06/21/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-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
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
06/20/23	<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	<0.00019	<0.00019	<0.00019	0.00020	<0.00019	0.00020
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00034	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00030	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-33	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-34	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-35	**Well Screen Interval (feet): 33.00-53.00**																		
06/22/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-36	**Well Screen Interval (feet): 33.00-53.00**																		
06/20/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/05/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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-37	**Well Screen Interval (feet): 33.00-53.00**																		
06/23/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
09/06/23	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/06/23	<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 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:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data not used to compile groundwater elevation map.

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TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				743				10.9				1.82	900
02/08/07		**0.0304**	**5.02**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				621				2.8				1.24	<100
09/21/08		**0.0256**	**7.52**		0.0011	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				913				1.63				1.28	
05/19/09		**0.0265**	**8.72**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				952				2.41				<1.00	962
08/19/09		**0.0303**	**7**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				979				2.25				<1.00	940
10/30/09		**0.0246**	**8.54**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				917				2.83				3.54	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				668				30.6				2.11	900
02/08/07		**0.0348**	0.764		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				634				32				3.9	440
09/22/08		**0.0352**	0.823		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				669				29.4				3.57	622
08/19/09		**0.0393**	0.901		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				649				31.2				2.74	742
10/30/09		**0.0208**	**8.57**		<0.00100	<0.00500			<0.00500	0.0002			<0.0100	0.005				752				15.1				1.08	480
12/07/23		**0.0530 J**																821	821	2.0	185	3.93	141	3.59	120	<2.0	**1010**
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				773				21.2				8.35	880
02/08/07		**0.0505**	**3.44**		<0.00100	<0.00500			0.0052	<0.000200			<0.0100	<0.00500				708				31.6				33.4	540
09/22/08		**0.0380**	**6.09**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				876				26.7				2.64	744
05/19/09		**0.0397**	**6.14**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				883				23.7				2.66	858
08/19/09		**0.0302**	**6.56**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				880				28.4				<1.00	802
10/30/09		**0.0316**	**5.91**		<0.00100	<0.00500			<0.00500	0.0002			<0.0100	<0.00500				842				21.4				<1.00	670
12/16/20		**0.0292 J**	**8.65**		**0.00501 J**	0.00758 J			0.0164 J	<0.000500			<0.100	0.00324 JB				1400				27.8					**1010**
07/01/21		**0.0395 J**	**9.44**		0.00444 J	<0.0500			<0.0500	<0.000248			<0.100	<0.0100				1280				24.9					**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				1420				26.7					**1410**
12/30/22		**0.0444 J**	**9.51**		<0.0200	**0.0356 J**			0.0206 J	<0.000200			<0.100	<0.0200				1460				<2.00					**1420**
06/21/23		**0.0269 J**	**8.37**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				1400				22.7					**1510**
06/21/23	D	**0.0215 J**	**8.94**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				1390				21.5					**1480**
12/07/23		**0.0392 J**	**9.02**		0.00150 J B	**0.0489 J**			0.00840 J	<0.000200			<0.0500	0.00470 J				1540	1540	1.3	197	17.4	371	2.05	41.1	0.64 J	**1500**
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				850				20.7				<1.00	**1000**
02/07/07		**0.0617**	**8.00**		<0.00100	**0.0615**			0.0201	<0.000200			<0.0100	<0.00500				2290				15.1				1.09	<100
04/15/08		**0.0140**	**7.47**		0.0011	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				1060				10.2				<1.00	**1180**
09/21/08		**0.0156**	**7.74**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				792				17.7				1.31	774
05/19/09		**0.0162**	**8.32**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				802				18.4				3.08	854
08/19/09		**0.0133**	**8.19**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				807				18.9				<1.00	860
10/30/09		**0.0224**	**8.64**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				782				12.2				<1.00	660
12/07/23		**0.0556 J**																1170	1170	0.89	332	1.21 J	274	3.10	48.7	0.79 J	**1310**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				1250				6.11				<1.00	712
02/07/07		**0.0526**	1.96		<0.00100	**0.0599**			0.0105	<0.000200			<0.0100	<0.00500				1130				6.58				1.56	610
04/15/08		**0.0440**	**3.02**		0.0017	**0.0167**			<0.00500	<0.000200			<0.0100	<0.00500				976				6.34				<1.00	736
09/21/08		**0.0370**	**3.07**		0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				841				6.62				1.54	
05/19/09		**0.0336**	**3.49**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				837				6.81				<1.00	792
08/19/09		**0.031**	**3.68**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				856				7.02				<1.00	752
08/19/09	D	**0.0322**	**3.71**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				847				6.93				<1.00	760
10/30/09		**0.0284**	**3.93**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				797				6.61				<1.00	**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				720				4.59				1.18	753
07/17/12	D	**0.0252**	**5.08**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				721				4.42				1.21	760
10/03/12		**0.0238**	**4.48**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				726				5.46				<1.00	740
10/03/12	D	**0.0233**	**4.62**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				732				5.47				<1.00	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				524				6.28				63.2	660
02/07/07		**0.0397**	**3.19**		<0.00100	**0.0822**			0.0307	0.00172			<0.0100	<0.00500				2930				6.6				<2.00	325
04/15/08		**0.0199**	0.610		0.0020	**0.0213**			0.00805	0.000467			0.0106	<0.00500				1650				5.38				42.7	548
09/21/08		<0.0100	0.0932		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				528				5.75				34.5	440
05/18/09		<0.0100	0.0991		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				567				5.90				37.2	234
08/19/09		<0.0100	0.1		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				519				6.11				33.0	568
10/30/09		<0.0100	0.108		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				475				6.03				31.1	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				452				4.23				24.6	571
10/03/12		<0.0100	0.121		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				446				4.91				26.4	566
05/15/13		<0.0047	0.14		<0.000200	<0.0012			0.0135	<0.00015			0.0081 J	<0.0013				483				4.67				<25	625
01/28/14		**0.01**	0.144		<0.000200	<0.0012			0.0059	<0.00015			<0.0064	<0.0013				512				5.04				26.2	597 B
06/18/14		<0.0072	0.138		0.0006 J	<0.00300			<0.002	<0.00015			<0.00500	<0.0025				483				5.32 B				26.5	615
11/19/14		<0.0100	0.15		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				470				4.5				25	660
12/08/15		**0.0149**	0.226		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				502				4.56				18.4	581
04/26/16		**0.0309**	0.351		<0.00100	**0.364**			0.0127	<0.000200			<0.0100	<0.00500				520				4.87				16.2	565
05/24/17		**0.0273**	0.375		<0.0100	0.00788 J			<0.0100	0.000342			<0.0150	<0.00500				482				4.6				13	545
11/29/17		<0.0100	0.212		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				460				13				19	570
07/20/18		**0.0284**	0.288		<0.0100	0.00674 J			0.00430 J	0.000190 BJ			0.0344	<0.00500				430				4.6				180	525
03/07/19		<0.100	0.244		<0.0100	<0.0500			0.0138 J	0.00139			<0.100	<0.0100				430				4.7				20	505
07/01/21		**0.169**	0.761		<0.0100	**0.0248 J**			0.0299 J	**0.00437**			<0.100	<0.0100				453				3.73					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				502				8.56 J					566
12/29/22		**0.230**	1.46		<0.0200	**0.0424 J**			0.0284 J	**0.00203**			<0.100	<0.0200				538				<2.00					579
12/07/23		**0.0270 J**	0.542		0.00210 J B	0.00730 J			0.00770 J	<0.000200			<0.0500	0.00380 J				497	497			1.01 J					606

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				641				15.5				<1.00	800
02/07/07		**0.0583**	**2.46**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				654				14.4				4.48	200
04/15/08		**0.0513**	**3.00**		0.0015	0.0051			<0.00500	<0.000200			<0.0100	<0.00500				710				13.6				1.46	744
09/20/08		**0.0407**	1.92		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				680				15.3				3.16	710 B
05/18/09		**0.0395**	1.88		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				672				15.7				3.10	748
08/19/09		**0.0137**	1.86		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				673				17.2				3.06	720
10/30/09		**0.0112**	**2.05**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				645				16.5				3.26	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				593				13.1				8.01	810
02/07/07		**0.0342**	0.929		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				707				11.5				22.2	510
04/15/08		**0.035**	1.22		0.0015	0.0078			<0.00500	<0.000200			<0.0100	<0.00500				716				11.6				7.4	688
09/20/08		**0.0211**	0.773		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				633				13.5				9.30	610
05/18/09		**0.0174**	0.776		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				535				11.1				8.68	258
08/19/09		<0.0100	1.14		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				623				13.3				6.57	676
10/30/09		<0.0100	1.04		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				599				14.0				7.46	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				1010				103				157	900
02/06/07		**0.0291**	0.284		<0.00100	0.0075			<0.00500	<0.000200			<0.0100	<0.00500				717				92				89.0	**1110**
04/15/08		**0.0694**	1.61		0.0023	**0.0473**			0.0126	<0.000200			<0.0100	<0.00500				2410				85.5				47.5	684
09/21/08		**0.0274**	0.100		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				572				73.3				40.7	520
05/18/09		**0.0234**	0.0961		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				584				61.0				38.3	644
08/19/09		**0.0185**	0.102		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				578				75.8				37.9	744
10/30/09		**0.0203**	0.0993		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				534				79.3				39.3	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				516				105				21.8	771
10/03/12		**0.0277**	0.0878		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500								105				23	**1130**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date		Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS		**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU		**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				748				**500**				85.2	**1520**
02/06/07			<0.0100	0.112		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				602				6.72				105	**1630**
04/15/08			**0.0439**	0.981		0.0044	**0.0625**			0.0277	0.001950			0.0256	<0.00500				3250				**439**				97.4	**1530**
09/21/08			<0.0100	0.0858		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				676				**414**				79.6	**1000**
05/18/09			<0.0100	0.0839		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				675				**430**				74.1	**1490**
08/19/09			<0.0100	0.0763		<0.00100	<0.00500			<0.00500	0.000818			<0.0100	<0.00500				660				**421**				80.8	**1510**
10/30/09			<0.0100	0.0781		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				614				**394**				89.7	**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				577				**283**				94.0	**1400**
10/03/12			<0.0100	0.0672		<0.00100	<0.00500			<0.00500	0.00106			<0.0100	<0.00500				595				**259**				99.2	**1450**
05/15/13			0.0055 J	0.0677		<0.000200	<0.0012			0.0113	<0.00015			<0.0064	<0.0013				585				218				95.9	**1400**
05/15/13	D		0.0091 J	0.0703		<0.000200	<0.0012			0.0104	<0.00015			0.0115	<0.0013				607				188				95.6	**1350**
01/29/14			0.0066 J	0.0632		<0.000200	<0.0012			<0.0035	<0.00015			<0.0064	<0.0013				666				161				88.7	**1220 B**
11/19/14			<0.0100	0.059		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				590				170				92	**1300**
11/19/14	D		<0.0100	0.061		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				600				170				88	**1300**
05/24/17			0.00638 J	0.188		<0.0100	0.00742 J			<0.0100	**0.00481**			<0.0150	0.00162 J				636				130				69	**1080**
11/29/17			**0.0294**	0.321		<0.0100	**0.0154**			<0.0100	**0.00319**			0.0184	<0.00500				691				130				67	**1080**
07/20/18			<0.0100	0.0986		<0.0100	0.00305 J			0.00666 J	0.000779 B			0.0235	<0.00500				600				140				100	**1110**
03/07/19			<0.100	0.114		<0.0100	<0.0500			0.0128 J	0.000765			<0.100	<0.0100				580				130				56	955
12/22/21			**0.0575**	0.615		0.0011 J	0.0082			0.0102	0.000325 H			0.0137 J	<0.010													

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				528				213				128	**1120**
09/21/08		<0.0100	0.0480		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				553				**524**				130	**1440**
05/18/09		<0.0100	0.0562		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				572				**503**				125	**1490**
08/19/09		<0.0100	0.0483		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				577				**517**				121	**1550**
10/30/09		<0.0100	0.0534		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				539				**502**				127	**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				452				**422**				124	**1570**
10/03/12		**0.0171**	0.0551		<0.00100	<0.00500			<0.00500	0.000200			<0.0100	<0.00500				490				**405**				121	**1500**
05/15/13		0.0084 J	0.054		<0.000200	<0.0012			0.0138	<0.00015			0.0239	<0.0013				497				**392**				123	**1500**
01/28/14		0.0074 J	0.0465		<0.000200	<0.0012			<0.0035	<0.00015			<0.0064	<0.0013				513				**393**				122	**1370**
06/18/14		<0.0072	0.0445		0.0007 J	<0.00300			<0.002	<0.00015			<0.00500	<0.0025				485				**351 B**				114	**1340**
11/19/14		<0.0100	0.044		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				480				**320**				120	**1400**
12/08/15		<0.0100	0.0462		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				498				**272**				108	**1270**
04/27/16		<0.0100	0.0458		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				479				**257**				99.7	**1250**
10/25/16		<0.0100	0.0427		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				465				**253**				<20.0	**1160**
05/24/17		0.00968 J	0.0387		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				460				220				120	**1100**
11/29/17		<0.0100	0.0530		<0.0100	0.00570 J			<0.0100	<0.000200			0.0185	0.00189 J				454				210				110	**1090**
07/18/18		0.00561 J	0.0445		<0.0100	<0.0100			<0.0100	0.000163 BJ			<0.0150	0.00260 J				440				170				68	**1040**
03/07/19		<0.100	0.0425		<0.0100	<0.0500			<0.0500	0.000240			<0.100	<0.0100				420				190				100	960
10/03/19		<0.100	0.0453		<0.0100	0.0124 J			0.0238 J	0.0000707			0.0346 J	<0.0100				471				157				90	950
06/25/20		<0.100	0.0373		<0.0100	<0.0500			0.0172 J	<0.000500			<0.100	<0.0100				455				110				100	835
12/16/20		<0.100	0.0394		0.00353 J	<0.0500			0.0169 J	<0.000500			<0.100	<0.0100				412				158					800
07/01/21		<0.100	0.0580		0.00260 J	<0.0500			0.0102 J	0.000136 J			<0.100	<0.0100				420				147					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				429				148					908
12/30/22		<0.100	0.0372 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				393				155					952
06/21/23		<0.100	0.0518		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				304				150					938
12/06/23		<0.100	0.142 B		<0.0100	**0.129**			<0.0500	<0.000200			<0.0500	<0.0100				383	383	1.3	125	159	45.7	3.76	168	90	968
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				995				10.7				8.19	657
09/21/08		**0.0238**	**5.10**		0.00130	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				755				25.1				1.62	708
05/19/09		**0.0233**	**5.82**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				777				30.3				<1.00	**2390**
08/19/09		**0.0177**	**6.02**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				778				28.2				<1.00	750
10/30/09		**0.0196**	**6.63**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				727				24.7				<1.00	**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				707				13.4				1.18	757
10/03/12		<0.0100	**8.32**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				694				15.3				<1.00	724
12/07/23		**0.0200 J**																708	708	0.11 J	74.6	0.906 J	139	1.27	20.2 B	0.59 J	820
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				870				61.9				209	**1920 A-01**
09/21/08		**0.0377**	**3.54**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				751				4.62				1.20	748
05/19/09		**0.0321**	**4.04**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				800				5.99				<1.00	252
08/19/09		**0.0249**	**4.44**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				781				4.76				<1.00	800
10/30/09		**0.0275**	**4.47**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				745				5.99				1.4	580

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				780				5.21				195	919
09/21/08		**0.0572**	0.181		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				647				4.71				19.7	
05/19/09		**0.0159**	0.165		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				663				4.85				11.2	698
08/19/09		**0.0271**	0.196		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				656				5.14				15.7	702
10/30/09		**0.0261**	0.196		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				604				5.01				16.7	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				582				3.82				26.2	712
10/03/12		**0.0308**	0.294		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				593				4.47				20.3	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				1050				8.74				31.9	641
09/21/08		**0.0282**	**5.87**		0.0014	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				808				10.4				1.02	
05/19/09		**0.0267**	**6.47**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				886				10.0				<1.00	850
08/19/09		**0.0254**	**6.05**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				891				11.6				<1.00	850
10/30/09		**0.0256**	**4.5**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				738				5.41				<1.00	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				750				16.6				52.5	726 A-01
09/21/08		**0.0153**	1.40		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				762				9.87				3.28	716
05/18/09		**0.0167**	1.59		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				783				8.84				1.69	776
08/19/09		**0.0136**	1.73		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				791				9.37				1.67	750
10/30/09		**0.0136**	1.79		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				732				8.38				1.83	410
10/30/09	D	**0.0152**	**2.04**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				730				8.8				1.51	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				726				4.83				2.32	788
10/03/12		**0.0193**	1.93		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				721				7				1.81	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				748				11.7				1.09	725
10/30/09		**0.0541**	1.69		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				719				11				<1.00	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				714				5.93				1.43	747
10/03/12		**0.0418**	**4.51**		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				698				7.12				<1.00	718
11/29/17		**0.0192**	**10.2**		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				896				14				0.55 J	815
07/18/18		<0.0100	**9.58**		<0.0100	0.00471 J			<0.0100	0.0000984 BJ			<0.0150	<0.00500				850				5.6				<1.0	**1000**
03/06/19		<0.100	**10.3**		<0.0100	<0.0500			<0.0500	<0.000200			<0.100	<0.0100				860				7.7				<1.0	845
10/03/19		<0.100	**9.99**		<0.0100	<0.0500			0.0286 J	0.0000580			0.0297 J	<0.0100				847				4.63				<10	840
06/25/20		<0.100	**9.45**		<0.0100	<0.0500			0.0148 J	<0.000500			<0.100	<0.0100				859				2.62				<10	855
12/16/20		**0.0226 J**	**11.0**		0.00415 J	0.00691 J			0.0140 J	<0.000500			<0.100	<0.0100				1060				6.64					860
06/30/21		**0.0259 J**	**13.1**		0.00417 J	<0.0500			<0.0500	<0.000248			<0.100	<0.0100				1040				6.85					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				1080				7.15					**1010**
12/29/22		**0.0262 J**	**12.0**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				1020				4.43					**1080**
06/20/23		<0.100	**11.0**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				995				5.03					**1050**
12/07/23		<0.100	**12.1**		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				976	976	0.40	50.9	5.54	219	1.25	32.5	0.36 J	**1080**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				961				113				232	**1510**
10/30/09		**0.0377**	0.249		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				989				28.1				42.8	890
10/13/11		**0.0102**	0.138		<0.00100	<0.00500			0.0065	<0.000200			<0.0100	<0.00500								46.6				15.7	
12/07/23		<0.100																1180	1180	0.64	45.5	68.3	94.1	1.62	455	7.4	**1600**
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				224				29.6				145	554
10/30/09		**0.0169**	0.0374		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				209				23.1				148	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				196				32.2				150	595
10/03/12		**0.0308**	0.0271		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				195				33.8				151	579
05/15/13		**0.0185**	0.0307		<0.000200	<0.0012			0.0099	<0.00015			<0.0064	<0.0013				189				36				156	585
01/29/14		**0.028**	0.0281		<0.000200	<0.0012			0.0039 J	<0.00015			<0.0064	<0.0013				203				40.9				163	570 B
06/18/14		**0.0161**	0.0247		0.0006 J	<0.00300			<0.002	<0.00015			0.0083 J	<0.0025				192				43.6 B				176	621
11/18/14		**0.02**	0.023		<0.00100	<0.00500			0.0098	<0.000200			<0.0100	<0.00500				190				43				170	610
12/09/15		**0.0275**	0.0242		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				234				41.2				162	610
04/27/16		**0.0253**	0.0265		<0.00100	<0.00500			<0.00500	<0.000200			0.0108	<0.00500				248				39.5				131	623
10/25/16		**0.0240**	0.0288		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				296				32.7				152	617
05/24/17		**0.0327**	0.0496		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				342				25				150	620
11/29/17		**0.0382**	0.0579		<0.0100	**0.116**			<0.0100	<0.000200			0.00751 J	<0.00500				361				23				130	605
07/18/18		**0.0388**	0.0497		<0.0100	<0.0100			<0.0100	0.000112 BJ			<0.0150	<0.00500				300				36				120	610
03/05/19		<0.100	0.0458		<0.0100	<0.0500			0.00991 J	<0.000200			<0.100	<0.0100				330				36				110	515
10/02/19		<0.100	0.0477		<0.0100	0.00788 J			<0.0500	0.0000658			<0.100	<0.0100				325				36.2				100	515
06/24/20		**0.0299 J**	0.0520		<0.0100	<0.0500			0.0152 J	<0.000500			<0.100	<0.0100				306				43.9				110	595
12/15/20		<0.100	0.0860 F1		0.00321 J	**0.0451 J**			0.0198 J	<0.000500			<0.100	<0.0100				415				40.9					635
12/07/23		<0.100																491	491	0.39	68	40.2	39.7	2.33	129 B	3.5	691
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				187				**440**				417	**1580**
10/30/09		<0.0100	0.0705		<0.00100	<0.00500			<0.00500	<0.000200			0.0148	<0.00500				235				**301**				386	**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				241				**423**				528	**1870**
10/03/12		**0.0183**	0.0476		<0.00100	<0.00500			<0.00500	<0.000200			0.0382	<0.00500				208				**506**				**682**	**2090**
05/15/13		**0.0167**	0.0377		<0.000200	<0.0012			<0.0017	<0.00015			0.0446	<0.0013				226				**551**				**786**	**2370**
01/29/14		**0.0152**	0.0321		<0.000200	<0.0012			<0.0035	0.00042			0.0402	<0.0013				268				**538**				**719**	**2170 B**
06/18/14		<0.0072	0.0322		0.0009 J	<0.00300			<0.002	0.000203			0.0354	<0.0025				257				**527 B**				**756**	**2280**
11/18/14		<0.0100	0.04		<0.00100	<0.00500			<0.00500	<0.000200			0.024	<0.00500				250				**530**				**710**	**2100**

Received by OCD: 12/6/2024 3:19:21 PM

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				248				38.8				**666**	**1360**
10/30/09		**0.0245**	0.0216		<0.00100	<0.00500			<0.00500	<0.000200			0.0146	<0.00500				222				39.3				**816**	**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				232				21.1				559	**1270**
10/03/12		**0.0435**	0.0131		<0.00100	<0.00500			<0.00500	<0.000200			0.011	<0.00500				242				23.3				597	**1260**
05/15/13		**0.0251**	0.0154		<0.000200	<0.0012			0.0082	<0.00015			0.0224	<0.0013				239				18.9				535	**1140**
01/29/14		**0.0355**	0.0132		<0.000200	<0.0012			<0.0035	<0.00015			<0.0064	<0.0013				263				14.7				422	972 B
06/18/14		**0.0307**	0.0125		0.0008 J	<0.00300			<0.002	<0.00015			0.008 J	<0.0025				353				12.8 B				383	932
11/18/14		**0.0310**	0.013		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				250				12				360	860
12/08/15		**0.0344**	0.0138		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				286				10.3				323	875
04/27/16		**0.0355**	0.0145		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				288				9.67				306	849
10/25/16		**0.0341**	0.0157		<0.00100	**0.0154**			<0.00500	<0.000200			<0.0100	<0.00500				281				13.4				322	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				213				42.4				266	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				206				40.1				274	806
10/03/12		**0.0232**	0.0197		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				223				42.5				280	792
05/15/13		**0.0209**	0.0204		<0.000200	<0.0012			0.0085	<0.00015			0.0161	<0.0013				212				41.7				293	782
01/29/14		**0.0288**	0.0191		<0.000200	<0.0012			0.0044 J	<0.00015			0.0066 J	<0.0013				236				42.8				242	750 B
01/29/14	D	**0.0299**	0.0188		<0.000200	<0.0012			<0.00035	<0.00015			0.0067 J	<0.0013				233				42.8				257	750 B
06/18/14		**0.0179**	0.0192		0.0007 J	<0.00300			<0.002	<0.000150			0.0096 J	<0.0025				221				42.7 B				248	776
11/19/14		**0.019**	0.018		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				230				41				240	800
12/08/15		**0.0176**	0.0221		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				260				33.2				204	689
04/27/16		**0.0201**	0.0215		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				256				33.6				184	664
10/25/16		**0.0190**	0.0283		<0.00100	0.00700			<0.00500	<0.000200			<0.0100	<0.00500				236				37.4				22.4	709
05/24/17		**0.0141**	0.0199		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				260				32				200	650
11/29/17		**0.0194**	0.0259		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				250				32				190	675
07/18/18		**0.0236**	0.0223		<0.0100	<0.0100			<0.0100	0.000161 BJ			0.0432	<0.00500				240				34				19	615
03/06/19		<0.100	0.0212		<0.0100	<0.0500			0.012 J	<0.000200			<0.100	<0.0100				260				36				190	600
10/03/19		<0.100	0.0251		<0.0100	<0.0500			0.0241 J	0.0000579			0.0249 J	<0.0100				273				31.8				160	590
06/25/20		<0.100	0.0204		<0.0100	<0.0500			0.0162 J	<0.000500			<0.100	<0.0100				266				28.8				160	580
12/16/20		<0.100	0.0268		0.00296 J	<0.0500			0.0186 J	<0.000500			<0.100	<0.0100				261				32.7					620
07/01/21		<0.100	0.0425		0.00206 J	<0.0500			0.0147 J	0.000189 J			<0.100	<0.0100				276				31.3					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				285				32.6					687
12/30/22		<0.100	0.0226 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				269				31.6					687
06/21/23		<0.100	0.0237		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				238				26.7					672
12/06/23		<0.100	0.378 B		<0.0100	<0.0500			<0.0500	0.000161 J			<0.0500	<0.0100				375	375	0.71	107	79.0	46.9	2.74	77.5	82	729

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TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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				425				3.06				91.9	652
10/03/12		**0.0335**	0.0334		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				412				3.34				79.4	654
05/15/13		**0.0259**	0.037		<0.000200	<0.0012			0.0065	<0.00015			0.0129	<0.0013				377				2.85				73.6 J	635
01/29/14		**0.0343**	0.0385		<0.000200	<0.0012			0.0052	<0.00015			<0.0064	<0.0013				393				3.76				109	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				370				4.27 B				111	628
11/18/14		**0.033**	0.053		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				370				3.9				100	630
12/08/15		**0.0452**	0.102		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				476				4.59				42.9	624
04/27/16		**0.0577**	0.768		<0.00100	**0.0832**			0.0314	<0.000200			<0.0100	<0.00500				429				6.70				51.9	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				304				19.5				136	723
10/03/12		**0.0198**	0.0296		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				307				24				165	736
05/15/13		**0.019**	0.0366		<0.000200	<0.0012			<0.0017	<0.00015			0.0085 J	<0.0013				303				25.6				196	769
01/29/14		**0.0159**	0.0335		<0.000200	<0.0012			<0.0035	<0.00015			<0.0064	<0.0013				332				26.6				192	751 B
06/18/14		**0.0133**	0.0508		0.0006 J	<0.00300			<0.002	<0.00015			0.0068 J	<0.0025				307				25.3 B				188	787
11/19/14		**0.015**	0.031		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				320				25				220	830
12/08/15		**0.0161**	0.0530		<0.00100	<0.00500			<0.00500	<0.000200			<0.0100	<0.00500				336				24.8				204	781
04/27/16		**0.0165**	0.111		<0.00100	<0.00500			0.00600	0.000399			<0.0100	<0.00500				308				31.7				98.6	771
10/25/16		**0.0300**	1.37		0.00120	**0.0404**			0.0182	<0.000200			<0.0100	<0.00500				339				26.2				236	806
05/24/17		<0.0100	0.136		<0.0100	<0.0100			<0.0100	0.000162 J			<0.0150	<0.00500				317				28				220	755
11/29/17		**0.0127**	0.0633		<0.0100	<0.0100			<0.0100	<0.000200			<0.0150	<0.00500				355				24				200	735
07/18/18		**0.0249**	0.0330		<0.0100	<0.0100			<0.0100	0.000129 BJ			0.0144 J	0.00155 J				320				30				170	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 BJ			**0.0519**	<0.00500				170				**280**				130	980
03/06/19		<0.100	0.0460		<0.0100	<0.0500			0.0122 J	<0.000200			<0.100	<0.0100				160				**310**				130	810
10/02/19		<0.100	0.0377		<0.0100	<0.0500			0.0138 J	0.000102			<0.100	<0.0100				176				**278**				110	815
06/24/20		<0.100	0.0404		<0.0100	<0.0500			0.0249 J	<0.000500			<0.100	<0.0100				168				**286**				120	955
12/15/20		<0.100	0.0471		0.00332 J	<0.0500			0.0287 J	<0.000500			<0.100	0.00309 JB				172				**306**					945
06/30/21		<0.100	0.0662		0.00219 J	<0.0500			0.0176 J	<0.000248			<0.100	<0.0100				178				145					**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				190				**288**					966
12/29/22		<0.100	0.0518 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				169				**289**					**1140**
06/20/23		<0.100	0.0571		<0.0100	<0.0500			<0.0500	<0.000200			0.0167 J	<0.0100				168				**288**					**1070**
12/07/23		<0.100	0.0458		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				162	162	0.80	135	**297**	28.6	3.05	129	140	**1020**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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 BJ			0.0300	0.00196 J				140				220				430	**1060**
03/05/19		<0.100	0.0669		<0.0100	<0.0500			0.017 J	<0.000200			<0.100	<0.0100				140				220				440	**1100**
10/02/19		<0.100	0.0607		<0.0100	0.0120 J			0.0156 J	0.000112			<0.100	<0.0100				154				207				380	955
06/24/20		<0.100	0.0561		<0.0100	<0.0500			0.0285 J	<0.000500			0.0278 J	<0.0100				151				202				400	**1180**
12/15/20		<0.100	0.0479		0.00280 J	<0.0500			0.0334 J	<0.000500			<0.100	<0.0100				150				209					**1150**
06/30/21		<0.100	0.0555		0.00256 J	<0.0500			0.0152 J	<0.000248			<0.100	<0.0100				154				200					**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				167				194					**1150**
12/29/22		<0.100	0.0496 B		<0.0100	0.00370 J			<0.0500	<0.000200			<0.0500	<0.0100				154				189					**1250**
06/20/23		<0.100	0.0424		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				145				186					**1160**
12/06/23		**0.0227 J**	0.0454 B		<0.0100	0.00730 J			<0.0500	<0.000200			<0.0500	<0.0100				286	286	0.32	83.2	27.3	28.9	2.74	109	170	681
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 BJ			0.0282	0.00145 J				170				190				100	805
03/05/19		<0.100	0.0488		<0.0100	<0.0500			0.0118 J	<0.000200			<0.100	<0.0100				180				160				110	605
10/02/19		<0.100	0.0434		<0.0100	<0.0500			0.0146 J	0.000105			<0.100	<0.0100				182				177				88	630
06/24/20		<0.100	0.0496		<0.0100	<0.0500			0.0196 J	<0.000500			<0.100	<0.0100				175				189				100	730
12/15/20		<0.100	0.0382		0.00256 J	<0.0500			0.0213 J	<0.000500			<0.100	<0.0100				178				180					660
06/30/21		<0.100	0.0455		0.00203 J	<0.0500			0.0119 J	<0.000248			<0.100	<0.0100				182				148					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				191				111					680
12/29/22		<0.100	0.0431 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				178				164					734
06/20/23		<0.100	0.0524		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				183				127					695
12/06/23		**0.0233 J**	0.476 B		<0.0100	0.00920 J			<0.0500	<0.000200			<0.0500	<0.0100				158	158	0.90	180	**389**	37.2	3.73	133	89	**1160**
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 BJ			<0.0150	<0.00500				170				170				100	725
03/05/19		<0.100	0.0490		<0.0100	<0.0500			0.0105 J	<0.000200			<0.100	<0.0100				160				190				110	690
10/02/19		<0.100	0.0441		<0.0100	0.00705 J			0.0138 J	0.000161			<0.100	<0.0100				172				197				84	715
06/24/20		<0.100	0.0474		<0.0100	<0.0500			0.0228 J	<0.000500			<0.100	<0.0100				165				197				91	800
12/15/20		<0.100	0.0538		0.00263 J	<0.0500			0.0232 J	<0.000500			<0.100	<0.0100				165				194					625
06/30/21		<0.100	0.0576		0.00238 J	<0.0500			0.0141 J	<0.000248			<0.100	<0.0100				169				151					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				<8.00				142					566
12/29/22		<0.100	0.0564 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				166				182					725
06/20/23		<0.100	0.244		<0.0100	0.00430 J			<0.0500	<0.000200			<0.0500	<0.0100				167				157					693
12/06/23		<0.100	0.119 B		<0.0100	0.0125 J			<0.0500	<0.000200			<0.0500	<0.0100				163	163	0.52	112	188	27.4	2.98	85.2	92	747

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

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
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 BJ			0.0202	0.00222 J				250				120				150	735
03/07/19		<0.100	0.207		<0.0100	<0.0500			0.01 J	0.000256			<0.100	<0.0100				400				65				96	745
10/03/19		<0.100	0.211		<0.0100	<0.0500			0.0204 J	0.0000458 J			0.0321 J	<0.0100				377				**751**				88	635
06/25/20		<0.100	0.135		<0.0100	<0.0500			0.0206 J	<0.000500			<0.100	<0.0100				325				81.1				110	740
12/16/20		<0.100	0.474		0.00317 J	<0.0500			0.0187 J	<0.000500			<0.100	<0.0100				476				45.7					**1010**
07/01/21		<0.100	0.605		0.00229 J	<0.0500			0.0102 J	<0.000248			<0.100	<0.0100				477				42.9					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				470				52.7					670
12/30/22		<0.100	1.12 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				480				44.9					677
06/21/23		<0.100	0.373		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				273				66.7					720
12/06/23		<0.100	0.0502 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				161	161	0.55	115	224	24.5	2.82	102	95	875
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 BJ			0.0187	<0.00500				450				47				53	705
03/06/19		<0.100	0.235		<0.0100	<0.0500			0.0116 J	<0.000200			<0.100	<0.0100				460				55				46	645
10/03/19		<0.100	0.302		<0.0100	0.00840 J			0.0246 J	0.000117			<0.100	<0.0100				488				49.9				36	605
06/24/20		<0.100	0.163		<0.0100	<0.0500			0.0198 J	<0.000500			<0.100	<0.0100				466				33.8				37	620
12/16/20		<0.100	0.327		0.00304 J	<0.0500			0.0233 J	<0.000500			<0.100	<0.0100				540				35.5					545
06/30/21		<0.100	0.353		0.00258 J	<0.0500			0.0122 J	<0.000248			<0.100	<0.0100				509				33.1					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				546				25.5					625
12/29/22		**0.0212 J**	0.237 B		<0.0100	0.00780 J			<0.0500	<0.000200			<0.0500	<0.0100				511				27.9					641
06/20/23		**0.0315 J**	0.175		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				498				24.5					616
12/05/23	<0.100	**0.0214 J**	0.290	<0.0100	<0.0100	<0.0500	0.00290 J	<0.0500	<0.0500	<0.000200	<0.0500	<0.0500	<0.0500	<0.0100	<0.0500	<0.0100	<0.250	476				36.7					665
Field Point MW-33 **Well Screen Interval (feet): 33.00-53.00**																											
06/22/23		<0.100	0.0777		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				142				**290**					**1230**
09/06/23		**0.0646 J**	0.565		<0.0100	**0.0153 J**			0.00530 J	<0.000200			<0.0500	<0.0100				251				**276**					**1000**
12/05/23	<0.100	**0.0491 J**	0.623	<0.0100	<0.0100	0.0135 J	0.00340 J	<0.0500	0.00710 J	<0.000200	<0.0500	0.00620 J	<0.0500	<0.0100	<0.0500	0.0389	<0.250	213		1.0		**273**				200	**1100**
Field Point MW-34 **Well Screen Interval (feet): 33.00-53.00**																											
06/22/23		<0.100	0.0581		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				177				128					797
09/06/23		**0.0302 J**	0.597		<0.0100	0.00440 J			<0.0500	<0.000200			<0.0500	<0.0100				247				102					672
12/05/23	<0.100	**0.0336 J**	0.518	<0.0100	<0.0100	0.00920 J	0.00390 J	0.00530 J	0.00750 J	<0.000200	<0.0500	0.00500 J	<0.0500	<0.0100	<0.0500	0.0579	<0.250	227		0.47		103				110	698
Field Point MW-35 **Well Screen Interval (feet): 33.00-53.00**																											
06/22/23		<0.100	0.299		<0.0100	**0.0244 J**			0.00700 J	<0.000200			0.0172 J	<0.0100				147				**259**					**1090**
09/06/23		**0.0550 J**	0.146		<0.0100	**0.0541**			<0.0500	<0.000200			<0.0500	<0.0100				261				246					992
12/05/23	<0.100	**0.0411 J**	0.155	<0.0100	<0.0100	**0.0162 J**	0.00180 J	<0.0500	<0.0500	<0.000200	0.00570 J	0.00590 J	<0.0500	<0.0100	<0.0500	0.0175	<0.250	220		0.67		230				190	996
Field Point MW-36 **Well Screen Interval (feet): 33.00-53.00**																											
06/20/23		<0.100	0.0683		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				147				**312**					**1050**
09/06/23		<0.100	0.0805		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				174				**284**					**1080**
12/05/23	<0.100	<0.100	0.0539	<0.0100	<0.0100	0.00720 J	<0.0500	<0.0500	<0.0500	<0.000200	0.00700 J	<0.0500	<0.0500	<0.0100	<0.0500	0.0410	<0.250	166		0.66		**268**				140	938
Field Point MW-37 **Well Screen Interval (feet): 33.00-53.00**																											
06/23/23		<0.100	0.0627		<0.0100	0.00570 J			<0.0500	<0.000200			<0.0500	<0.0100				149				214					796
09/06/23		<0.100	0.272		<0.0100	0.0121 J			0.00650 J	<0.000200			<0.0500	<0.0100				160				186					727
12/06/23		<0.100	0.0454 B		<0.0100	<0.0500			<0.0500	<0.000200			<0.0500	<0.0100				154	154	0.78	150	179	38.2	3.29	146	370	**1210**

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

Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Lead (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Alkalinity (mg/L)	Bicarbonate (mg/L)	Bromide (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Sulfate (mg/L)	TDS (mg/L)
NMED WQCC HHS	**0.006**	**0.01**	**2**	**0.004**	**0.005**	**0.015**	**---**	**---**	**0.05**	**0.002**	**---**	**---**	**0.05**	**0.05**	**0.002**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
NMED WQCC DWS	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**1.0**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.0**	**---**	**---**	**---**	**---**	**250.0**	**---**	**---**	**---**	**600.0**	**1000.0**
NMED WQCC IU	**---**	**---**	**---**	**---**	**---**	**---**	**0.05**	**---**	**---**	**---**	**1.0**	**0.2**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Field Point MW-38	**Well Screen Interval (feet): 33.00-53.00**																										
06/22/23		<0.100	0.155		<0.0100	**0.0154 J**			<0.0500	<0.000200			<0.0500	<0.0100				138				**409**					**1290**
09/06/23		**0.0299 J**	1.19		<0.0100	**0.0512**			0.0170 J	<0.000200			<0.0500	<0.0100				181				**369**					**1310**
12/06/23		<0.100	0.0428 B		<0.0100	<0.0500			<0.0500	0.000469			<0.0500	<0.0100				166	166	0.49	101	210	25.1	2.72	112	100	843
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	

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data not used to compile groundwater elevation map.

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TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	---	**0.005**
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				
06/21/23							0.038	0.057	0.0039 J	0.037		0.0055				
06/21/23 D							0.038	0.060	0.0029 J	0.035		0.0045 J				
12/07/23							0.035	0.042	0.0027 J	0.030		0.0042 J				
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	
12/07/23									0.0040		0.0033	0.0026	0.00056	0.014	0.014	
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		

TABLE 7
CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	---	**0.005**
Field Point MW-11																
06/25/20							0.00014 J						0.00021 J			
12/16/20																
07/01/21																
12/21/21																
05/25/22																
12/30/22																
06/21/23																
12/06/23																
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 JB			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		
06/20/23							0.046	0.075		0.043		0.0055 J		0.011		
12/07/23							0.027	0.037		0.026		0.0026 J		0.0034 J		
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	0.0018				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																

TABLE 7
CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B
Gladiola Station
Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	---	**0.005**
Field Point MW-22																
11/29/17	0.0068 J															
07/18/18																
03/06/19																
10/03/19																
06/25/20																
12/16/20																
07/01/21																
12/21/21																
05/25/22																
12/30/22																
06/21/23																
12/06/23																
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																
06/20/23																
12/07/23																
Field Point MW-28																
07/19/18																
03/05/19																

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	0.005	---	---	---	---	---	---	---	---	---	---	0.005
Field Point MW-28																
10/02/19																
06/24/20																
12/15/20																
06/30/21																
12/21/21																
05/25/22																
12/29/22																
06/20/23																
12/06/23																
Field Point MW-29																
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																
06/20/23																
12/06/23																
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																

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	---	**0.005**
Field Point MW-30																
06/20/23																
12/06/23																
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			
06/21/23																
12/06/23																
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	
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		
06/20/23												0.0018	0.0013			
12/05/23						0.0062			0.00024 J		0.0013	0.0017	0.0014			
Field Point MW-33																
06/22/23																
09/06/23	0.0050 J										0.00024 J					
12/05/23																

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Date	Acetone (2-propanone) (mg/L)	2-Butanone (MEK) (mg/L)	Carbon Disulfide (mg/L)	Chloroform (mg/L)	1,2-Dichloroethane (mg/L)	2-Hexanone (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)	Tetrachloroethene (mg/L)
NMED WQCC HHS	---	---	---	---	**0.005**	---	---	---	---	---	---	---	---	---	---	**0.005**
Field Point MW-34																
06/22/23																
09/06/23																
12/05/23																
Field Point MW-35																
06/22/23																
09/06/23	0.013		0.00046 J													
12/05/23			0.00049 J													
Field Point MW-36																
06/20/23																
09/06/23																
12/05/23																
Field Point MW-37																
06/23/23																
09/06/23	0.013															
12/06/23																
Field Point MW-38																
06/22/23																0.00054
09/06/23			0.00039 J													
12/06/23																

TABLE 7

CUMULATIVE CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B

Gladiola Station

Lea County, New Mexico

Notes:
Bolded values equal or exceed applicable regulatory limits.
Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.
ELEV = Elevation. Elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC = New Mexico Environmental Department Water Quality Control Commission.
DWS = Other Standards for Domestic Water Supply with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
HHS = Human Health Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
IU = Irrigation Use Standard for groundwater with 10,000 mg/l TDS or less (20.6.2.3103 NMAC).
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 calculated, data not used to compile groundwater elevation map.

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.
BTEX is tabulated on a separate table.

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
MW-1	06/13/23	0.01	0.40	0.4
MW-1	12/18/23	0.01	0.20	0.2
Subtotal Removed		**2.68**	**3.48**	**6.41**
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
MW-2	06/13/23	0.01	0.26	0.3
MW-2	12/18/23	0.01	0.52	0.5
Subtotal Removed		**0.07**	**1.87**	**1.94**
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
MW-4	12/18/23	0.03	0.50	0.53
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
MW-5	06/13/23	0.02	0.53	0.54
MW-5	12/18/23	0.02	0.07	0.09
Subtotal Removed		**4.02**	**3.14**	**7.66**
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
MW-9	06/13/23	0.0040	0.13	0.14
MW-9	12/18/23	0.0000	0.00	0.00

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)
Subtotal Removed		**2.02**	**1.47**	**3.99**

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	0.89	1.00
MW-12	06/13/23	0.01	0.79	0.80
MW-12	12/18/23	0.26	1.06	1.32
Subtotal Removed		**3.82**	**5.81**	**10.63**
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
MW-13	06/13/23	0.92	0.79	1.72
MW-13	12/18/23	0.33	0.40	0.73
Subtotal Removed		**8.50**	**6.54**	**16.04**
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	1.5
MW-14	06/14/23	0.05	0.11	0.16
MW-14	12/18/23	0.13	0.79	0.92
Subtotal Removed		**9.54**	**5.25**	**15.79**
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
MW-15	06/13/23	0.01	0.79	0.81
MW-15	12/18/23	0.01	0.40	0.41
Subtotal Removed		**3.49**	**4.25**	**8.74**

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-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
MW-16	06/13/23	0.04	0.53	0.57
MW-16	12/18/23	0.05	0.26	0.32
Subtotal Removed		**3.26**	**3.65**	**7.91**
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
MW-18	06/14/23	1.06	0.53	1.6
MW-18	09/07/23	0.40	0.07	0.5
MW-18	12/18/23	0.26	0.26	0.5
Subtotal Removed		**7.06**	**5.78**	**14.09**
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
MW-19	06/14/23	0.79	0.53	1.3
MW-19	09/07/23	0.32	0.07	0.4
MW-19	12/18/23	0.26	0.26	0.5
Subtotal Removed		**4.11**	**3.72**	**7.82**
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
MW-20	06/13/23	0.01	0.53	0.54
MW-20	12/18/23	0.02	0.92	0.94
Subtotal Removed		**6.04**	**6.92**	**12.96**
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
MW-21	06/13/23	0.01	1.06	1.07
MW-21	12/18/23	0.01	0.66	0.67

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)
Subtotal Removed		**1.06**	**3.78**	**5.59**

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-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
MW-23	12/18/23	0.00	0.00	0.00
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
MW-24	06/13/23	0.26	0.66	0.92
MW-24	09/08/23	0.40	0.07	0.46
MW-24	12/18/23	0.20	0.20	0.40
Subtotal Removed		**9.62**	**5.13**	**15.75**
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
MW-25	06/13/23	0.01	0.53	0.53
MW-25	12/18/23	0.03	0.13	0.16
Subtotal Removed		**5.58**	**2.69**	**8.76**
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
MW-26	06/14/23	1.19	0.53	1.72
MW-26	09/09/23	0.26	0.07	0.33
MW-26	12/18/23	0.37	0.26	0.63
Subtotal Removed		**5.75**	**6.13**	**11.88**
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		**193.12**	**78.73**	**388.60**

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)

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

CLIENT NAME:	ExxonMobil	Cardno ERI#	0.163 FOR A 2" WELL		
SITE LOCATION:	Gladiola		0.652 FOR A 4" WELL		
FIELD CREW:	Mark Lach/	DATE: 9/8 ~~/18~~ 23	1.167 FOR A 6" WELL		

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to WELL (ft)	CASE DIA (in)	Degrees C	PH	COND	Turbidity NTU	DO	
MW17	13:30	40.90	NAPL							
32	35	41.14								
22	40	41.74								
31	45	40.77								
MW01	14:05	38.25	38.13							
4	10	37.95	37.70							
2	15	41.47	41.46							
MW18	8:45	40.70	40.08		9/6/23					
19	12:41	40.24	39.94		~~9/6/23~~		9/6/23			
24	10:18	38.61	41.22		9/8/23					
26	8:15	40.54	42.00		11					

WELL SAMPLING – FIELD LOG

CLIENT NAME:	ExxonMobil		0.163 FOR A 2" WELL		
SITE LOCATION:	Goodrich		0.652 FOR A 4" WELL		
FIELD CREW:		DATE: 9/6/23	1.167 FOR A 6" WELL		

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to WELL (ft)	CASE DIA (in)	DO mg/L	ORP mV	COND (µs) or (ms) cm	TEMP (°c)	pH	TURBIDITY (NTU)
MW35	9:00	41.46		2"		-182.7	1.546	18.2	7.44	59
	9:14					-186.0	1.566	18.9	7.42	54.4
	9:19					-190.5	1.575	18.8	7.48	49.5
	9:24					-194.7	1.583	19.5	7.35	41.8
	9:30					-168.6	1.570	19.3	7.36	53.6
	9:32					-162.0	1.585	19.4	7.33	46.9
	9:35				1.09	-149.2	1.589	19.1	7.32	35.0

WELL SAMPLING – FIELD LOG

CLIENT NAME:	ExxonMobil			0.163 FOR A 2" WELL			
SITE LOCATION:				0.652 FOR A 4" WELL			
FIELD CREW:	Glodiola	**DATE:**	9/6/23	1.167 FOR A 6" WELL			

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to WELL (ft)	CASE DIA (in)	DO mg/L	ORP mV	COND (µs) or (ms) cm	TEMP (°c)	pH	TURBIDITY (NTU)
MW-36	10:02	40.90			2.56	-31.7	1.585	18.1	7.49	21.0
	10:11				1.81	-33.6	1.577	18.0	7.49	22.1
	10:17				1.42	-34.0	1.598	19.1	7.47	20.0
	10:25				1.50	-34.8	1.606	19.5	7.47	8.23
MW-33	10:55	41.05			4.19	-139.1	1.410	21.7	7.33	OR*
	11:06				1.88	-167.8	1.384	20.4	7.31	OR
	11:11				1.53	-175.8	1.436	20.3	6.99	OR
	11:16				1.35	-183.8	1.536	19.7	7.22	OR
	11:20				1.20	-187.1	1.571	18.9	7.23	111
	11:25				1.03	-187.7	1.606	18.4	7.30	95

* OUT OF RANGE

WELL SAMPLING – FIELD LOG

CLIENT NAME:	ExxonMobil		0.163 FOR A 2" WELL		
SITE LOCATION:	Gladiator		0.652 FOR A 4" WELL		
FIELD CREW:		DATE: 9/6/23	1.167 FOR A 6" WELL		

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to WELL (ft)	CASE DIA (in)	DO mg/L	ORP mV	COND (µs) or (ms) cm	TEMP (°c)	pH	TURBIDITY (NTU)
MW-34	11:48	41.45			6.58	-164.4	1.042	19.6	7.54	OR*
	11:53				1.39	-180.3	1.012	17.7	7.59	89
	11:55				1.04	-187.6	1.010	17.7	7.56	104
	12:00				0.74	-187.2	1.075	18.1	7.48	101
	12:05				0.66	-182.6	1.115	18.4	7.42	79.6
	12:10				0.62	-181.1	1.095	19.1	7.41	65.6
	12:15									
[redacted]										
MW-38	13:03	39.00			1.66	-167.7	1.334	18.00	7.32	OR*
	13:10				0.34	-195.1	1.293	20.70	7.38	OR
	13:15				0.52	-198.0	1.508	20.40	7.36	OR
	13:20				1.26	-170.0	1.684	19.20	7.36	OR
	13:25				1.53	-158.4	1.749	19.10	7.37	OR

*OR = out of range

West King

WELL SAMPLING – FIELD LOG

CLIENT NAME:	ExxonMobil		0.163 FOR A 2" WELL		
SITE LOCATION:			0.652 FOR A 4" WELL		
FIELD CREW:	Gladiola	**DATE:** 9 16 /23	1.167 FOR A 6" WELL		

WELL NUMBER	TIME	DEPTH to WATER (ft)	DEPTH to WELL (ft)	CASE DIA (in)	DO mg/L	ORP mV	COND (µs) or (ms) cm	TEMP (°c)	pH	TURBIDITY (NTU)
MW-37	13:49	39.10			0.74	-27.2	1.074	20.0	7.70	38.8
	13:56				1.03	-30.5	1.073	19.3	7.65	62.2
	14:01				1.10	-23.1	1.174	20.6	7.50	77.0
	14:06				3.19	-22.6	1.209	18.2	7.46	83.0
	14:10				3.85	-18.8	1.227	18.2	7.45	71.5

* OR - OUT OF RANGE

Received by OCD: 12/6/2024 3:19:21 PM

MW 18 1 of 1

Baildown Test Form

Site Name	Gladiola	Test Well ID	MW 18
Personnel	ML ERI	Weather	70-100 Sunny

Well Construction Details

Total Well Depth (feet)			
Depth to Top of Screen (feet)		Well Screen Diameter (inches)	4
Well Casing Diameter (inches)		Screen Slot Size (inches)	
Borehole Diameter (inches)		Filter Pack Type	
		Depth to Bottom of Screen (feet)	

Initial Test Conditions

Static Depth to Product (feet)	40.09		
Static Depth to Water (feet)	40.78	Test Date	9-7-21
		Bailing Start Time	
		Bailing Stop Time	
		Amount of Product Bailed	
		Amount of Water Bailed	

Baildown Test Data

Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water	Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water	
0:00:00	41.55	41.57	~2min 1	41.00	41.12	
0:00:30	41.46	41.57	2	40.98	41.11	
0:01:00	41.50	41.51	3	40.98	41.09	
0:01:30	41.42	41.48	4	40.93	41.06	
0:02:00	41.41	41.48	5	40.92	41.05	
0:02:30	41.39	41.47	6	40.90	41.04	
0:03:00	41.38	41.45	7	40.89	41.01	
0:03:30	41.38	41.45	8	40.86	41.01	
0:04:00	41.36	41.34	9	40.84	40.98	
0:04:30	41.35	41.43	10	40.82	40.97	
0:05:00	41.33	41.41	11	40.81	40.95	0.14
0:05:30	41.32	41.41	12	40.79	40.93	0.14
0:06:00	41.31	41.41	13	40.77	40.92	0.15
0:06:30	41.31	41.40	14	40.75	40.90	0.15
0:07:00	41.30	41.40	15	40.73	40.88	
0:07:30	41.29	41.38	16	40.72	40.86	
0:08:00	41.25	41.38	17	40.70	40.85	
0:08:30	41.28	41.36	18	40.69	40.84	
0:09:00	41.26	41.36	19	40.68	40.82	
0:09:30	41.25	41.35	20	40.66	40.82	
0:10:00	41.24	41.34	21	40.65	40.82	
1min 1	41.22	41.32				
2	41.21	41.31	~5min 1	40.61	40.76	
3	41.19	41.29	2	40.58	40.73	
4	41.16	41.26	3	40.56	40.72	
5	41.16	41.26	4	40.54	40.69	
6	41.15	41.25	5	40.52	40.67	
7	41.13	41.24	6	40.49	40.65	
8	41.11	41.22	7	40.48	40.63	
9	41.10	41.22	8	40.46	40.61	
10	41.09	41.20	9	40.45	40.60	
11	41.08	41.20	10	40.43	40.58	
12	41.06	41.18	11	40.42	40.57	
13	41.05	41.18	12	40.40	40.56	
14	41.03	41.15	13	40.39	40.53	
15	41.02	41.15	14	40.38	40.52	0.14
16	41.01	41.13	15	40.36	40.52	0.16

1-min 10
2 min 20
5 min 30
1h. 01
02

2 of

Baildown Test Form

Site Name	GLADIOLA	Test Well ID	MW-18
Personnel	MARK, ERIC	Weather	Sunny

Well Construction Details

Total Well Depth (feet)			
Depth to Top of Screen (feet)		Well Screen Diameter (inches)	
Well Casing Diameter (inches)		Screen Slot Size (inches)	
Borehole Diameter (inches)		Filter Pack Type	
		Depth to Bottom of Screen (feet)	

Initial Test Conditions

Static Depth to Product (feet)	40.08	Test Date	9-7-2023
Static Depth to Water (feet)	40.70	Bailing Start Time	
		Bailing Stop Time	
		Amount of Product Bailed	
		Amount of Water Bailed	

Baildown Test Data

Elapsed Time (HH:MM:SS)		Depth to Product	Depth to Water	Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water
10 min	1	40.33	40.47			
0:00:30	2	40.31	40.46			
0:01:00	3	40.30	40.45			
0:01:30	4	40.30	40.43			
0:02:00	5	40.27	40.41			
0:02:30	6	40.25	40.40			
0:03:00	7	40.24	40.39			
0:03:30	8	STOP	STOP			
0:04:00	9					
0:04:30	10					
0:05:00						
12:34 20 min	1	40.21	40.35			
12:54 CIN 0:06:00	2	40.19	40.32			
@1:30 0:06:30	3	40.18	40.31			
@2:00 0:07:00	4	40.15	40.29			
@2:20 0:07:30	5	40.15	40.28			
0:08:00						
0:08:30						
0:09:00						
0:09:30						
0:10:00						
@2:50 30 min	1	40.14	40.29			
@3:20	2	40.13	40.26			
@3:50	3	40.13	40.26			
4:50 1 hr	1	40.11	40.25			
→		40.00	40.09			

9/8/23 Next morning 10:35

1 of 1

Baildown Test Form

Site Name	Gradio'a		
Personnel	Mark, Tom	Test Well ID	MW-19
		Weather	Sunny

Well Construction Details

Total Well Depth (feet)			
Depth to Top of Screen (feet)		Well Screen Diameter (inches)	4"
Well Casing Diameter (inches)		Screen Slot Size (inches)	
Borehole Diameter (inches)		Filter Pack Type	
		Depth to Bottom of Screen (feet)	

Initial Test Conditions

Static Depth to Product (feet)	39.94		
Static Depth to Water (feet)	40.24	Test Date	9/7/2023
		Bailing Start Time	12:41
		Bailing Stop Time	
		Amount of Product Bailed	
		Amount of Water Bailed	

Baildown Test Data

Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water	Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water
12:54 0:00:00	40.90	40.91	2 MIN - 1	40.28	40.34
0:00:30	40.85	40.88	2	40.26	40.32
0:01:00	40.83	40.87	3	40.24	40.31
0:01:30	40.82	40.86	4	40.23	40.30
0:02:00	40.80	40.84	5	40.20	40.25
0:02:30	40.78	40.82	6	40.18	40.25
0:03:00	40.76	40.81	7	40.18	40.24
0:03:30	40.75	40.80	8	40.16	40.22
0:04:00	40.73	40.79	9	40.15	40.21
0:04:30	40.72	40.78	10	40.14	40.20
0:05:00	40.71	40.76	11	40.13	40.20
0:05:30	40.69	40.75	12	40.12	40.18
0:06:00	40.67	40.74	13	40.12	40.18
0:06:30	40.66	40.73			
0:07:00	40.64	40.71	5 MIN - 1	40.08	40.14
0:07:30	40.63	40.70	2	40.08	40.14
0:08:00	40.62	40.69	[redacted]		
0:08:30	40.61	40.68			
0:09:00	40.60	40.68			
0:09:30	40.59	40.66			
13:11 0:10:00	40.58	40.64	10 MIN - 1	40.04	40.11
			2	40.04	40.04
[redacted] 1 min - 1	40.55	40.62	3	40.00	40.07
2	40.53	40.60	4	39.99	40.06
3	40.51	40.58	5	39.99	40.04
4	40.50	40.56	6	39.98	40.05
13:17 5	40.48	40.55	7	39.97	40.04
6	40.47	40.51	8	39.97	40.04
7	40.45	40.46			
8	40.39	40.45	20 MIN - 1	39.95	40.02
9	40.38	40.44	2	39.95	40.02
10	40.36	40.43	[redacted]		
11	40.35	40.42			
12	40.33	40.40			
13	40.32	40.38	30 MIN - 1	39.95	40.02
14	40.30	40.37	2	39.95	40.02
15	40.30	40.37			
16	—	—			

9/8/23 40.15 40.10
@ 10:30
Next morning

9-8-23 8:10 AM

NAPL 40.75 H2O 41.00

Baildown Test Form

Site Name		Test Well ID	26
Personnel	GUADIOLA MARK / ERIC	Weather	Sunny

Well Construction Details

Total Well Depth (feet)		Well Screen Diameter (inches)	2"
Depth to Top of Screen (feet)		Screen Slot Size (inches)	
Well Casing Diameter (inches)		Filter Pack Type	
Borehole Diameter (inches)		Depth to Bottom of Screen (feet)	

Initial Test Conditions

8:45 ~~Time~~

Depth to Product (feet)	40.54	Test Date	
Static Depth to Water (feet)	42.00	Bailing Start Time	
		Bailing Stop Time	
		Amount of Product Bailed	
		Amount of Water Bailed	

Baildown Test Data

Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water
8:45am 0:00:00	40.95	41.01
0:00:30	40.91	40.97
0:01:00	40.89	40.98
0:01:30	40.88	40.96
0:02:00	40.87	40.94
0:02:30	40.85	40.92
0:03:00	40.85	40.93
0:03:30	40.84	40.92
0:04:00	40.83	40.92
0:04:30	40.83	40.92
0:05:00	40.82	40.91
0:05:30	40.82	40.91
0:06:00	40.82	40.91
0:06:30	40.81	40.91
0:07:00	40.81	40.91
0:07:30	40.80	40.91
0:08:00	40.79	40.91
0:08:30	40.79	40.91
0:09:00	40.79	40.91
0:09:30	40.78	40.91
0:10:00	40.78	40.91
1min - 1	40.77	40.90
2	40.77	40.91
3	40.77	40.92
4	40.77	40.92
2min - 1	40.76	40.93
2	40.76	40.93
5min - 1	40.75	40.93
2	40.75	40.93
3	—	—

Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water
10 MIN - 1	40.75	40.94
2	40.75	40.94
20 MIN - 1	40.75	40.95
2	40.75	40.95
30 MIN - 1	40.73	40.93
2	40.73	40.93
1h - 1	40.72	40.90
@ 12:30pm 13:30h →	40.73	40.90
14:30h →	40.72	40.92
15:30h →	40.71	40.91
16:30h →	40.71	40.90

Received by OCD: 12/6/2024 3:19:21 PM

Tailwinds

Bream A

Bream B

9-9-23 8:00 AM

Baildown Test Form

NAPL 39.28 H2O 39.72

Site Name	GLADIOLA	Test Well ID	24
Personnel	MARK, ERIC	Weather	100 F Sunny

Well Construction Details

Total Well Depth (feet)		Well Screen Diameter (inches)	2"
Depth to Top of Screen (feet)		Screen Slot Size (inches)	
Well Casing Diameter (inches)		Filter Pack Type	
Borehole Diameter (inches)		Depth to Bottom of Screen (feet)	

Initial Test Conditions

Static Depth to Product (feet)	39.91	Test Date	
Static Depth to Water (feet)	41.22	Bailing Start Time	
		Bailing Stop Time	
		Amount of Product Bailed	
		Amount of Water Bailed	

10:28

Baildown Test Data

Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water	Elapsed Time (HH:MM:SS)	Depth to Product	Depth to Water
10:42am 0:00:00	41.07	41.11	23:30	39.61	39.90
0:00:30	40.90	40.95	24:00	39.61	39.90
0:01:00	40.83	40.89			
0:01:30	40.76	40.80	1 MIN – 1	39.58	39.88
0:02:00	40.69	40.78	2	39.58	39.88
0:02:30	40.63	40.70			
0:03:00	40.58	40.64			
0:03:30	40.52	40.58	2 MIN – 1	39.54	39.86
0:04:00	40.47	40.53	2	39.53	39.85
0:04:30	40.42	40.49	3	39.61	39.84
0:05:00	40.37	40.44	4	39.49	39.83
0:05:30	40.32	40.40	5	39.47	39.81
0:06:00	40.29	40.36	6	39.47	39.81
0:06:30	40.23	40.32			
0:07:00	40.20	40.29	5 MIN – 1	39.43	39.79
0:07:30	40.16	40.25	2	39.41	39.78
0:08:00	40.13	40.23	3	39.40	39.78
0:08:30	40.10	40.21	4	39.38	39.76
0:09:00	40.06	40.19	5	39.37	39.75
0:09:30	40.03	40.16	6	39.37	39.74
0:10:00	40.01	40.14	1:13 7	39.35	39.74
10:30	39.99	40.13	1:18 8	39.33	39.73
11:00	39.96	40.11	1:23 9	39.33	39.73
11:30	39.94	40.10			
12:00	39.91	40.08			
12:30	39.89	40.07	10 MIN – 1	39.31	39.72
13:00	39.87	40.03	SC1:33 2	39.30	39.70
13:30	39.85	40.03	3	39.30	39.70
14:00	39.83	40.03	4		
14:30	39.82	40.01			
15:00	39.80	40.01			
@11:00am 18:30	39.69	39.95	20 MIN – 1	39.29	39.69
19:00	39.69	39.95	SC1:33h 2 13:20h	39.29	39.68
19:30	39.67	39.94	13:40h 3	39.30	39.68
20:00	39.67	39.93	14:00h 4	39.28	39.68
20:30	39.66	39.93	14:20h 5	39.28	39.67
21:00	39.65	39.92	14:40h 6	39.28	39.67
21:30	39.64	39.92	30 MIN – 1 @3:10h	39.26	39.67
22:00	39.63	39.90	2 @3:40h	39.26	39.65
22:30	39.62	39.91	3 @4:10h	39.26	39.65
23:00	39.61		4 @4:40h	—	—
			1 HR 1 @5:00h	39.25	39.65

Released to Imaging: 12/16/2024 10:44:58 AM

Received by OCD: 12/6/2024 3:19:07 PM

Daily Field Report

Stantec

Project #: 203722919 Stantec #:

Activity: GWS Date: 07 DEC 2023

Equipment Used: Sheet: of

Name(s): MARK & RYAN

Time Arrived On Site: Time Departed Site: Total Travel:

well ID: MW 27

TIME	DTW	P. RATE	TEMP	COND	pH	DO.	ORP	TURB.
	40.54	-	-	-	-	-	-	-
	-	-	18.4	1.42	7.11	4.85	21.9	3.78
	-	-	18.4	1.41	7.13	4.78	22.2	1.66
	-	-	18.4	1.40	7.15	4.83	22.4	1.72

SAMPLED @: 0855
PURGE: ≈ 27 gal

WELL ID: MW17

TIME	DTW	RATE	TEMP	COND	pH	DO	ORP	TURB.
	41.01	-	18.9	1.54	7.09	0.40	28.7	2.89
	-	-	19.1	1.53	7.08	0.29	27.8	1.35
	-	-	19.0	1.53	7.00	0.21	26.4	0.80
	-	-	↓	↓	↓	↓	↓	↓

SAMPLED @: 0925
PURGE: ≈ 14 gal

WELL ID: MW3

TIME	DTW	RATE	TEMP	COND	pH	DO	ORP	TURB
	36.92	-	-	-	-	-	-	-
	-	-	19.2	2.04	7.18	0.19	31.0	1822 AU
	-	-	19.1	2.04	7.19	0.15	29.9	3326 AU
	-	-	19.0	2.02	7.19	0.13	28.8	1848 AU

SAMPLED: 1005
PURGED: ≈ 4 gal

WELL ID: MW6

TIME	DTW	RATE	TEMP	COND	pH

INSUFF. WATER IN WELL TO COLLECT YSI FIELD STAB. PARAMETERS. COLLECTED SAMPLE BY BAILING.

SAMPLED: 1055
PURGED: 2 gal

309 South Cloverdale Street, Unit A13, Seattle, WA 98108 Office: (800) 499-8950

Released to Imaging: 12/16/2024 10:44:58 AM

Received by OCD: 12/6/2024 3:19:21 PM

Depth to Water Field Log

Project #: 20372291 9 Sheet: 1 of 2

WELL ID: MW2
SAMPLED: 12
PURGED: ≈ 2 L

WELL ID: MW4
SAMPLED: 1245
PURGED: ≈ 2 L

WELL ID: MW 12
SAMPLED: 1320
PURGED: 5L

WELL ID: MW 19
SAMPLED: 1335
PURGED: ~~5~~ 2L

WELL ID: MW 18
SAMPLED: 1430
PURGED: 2L

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Depth to Water Field Log

Site: GLADIOLA STATION
tion: NEW MEXICO
Crew: MARK ? RYAN RAINS

Stantec #: 203722919
Date: 05 DEC 2023 - 07 DEC 2023

Stantec

	Well ID	Time	Depth to Water ft	Depth of Well ft	Comment	
1	MW35	1033	41.54	53.15	05 DEC 2023	
2	MW36	1208	40.98	53.40	05 DEC 2023	
3	MW33	1250	41.25	53.56	05 DEC 2023	
4	MW34	1232	41.55	53.57	05 DEC 2023	
5	MW32	1421	42.30	53.30	05 DEC 2023	
6	MW10	0933	42.37	43.60	06 DEC 2023	DRY
7	MW22	1001	41.87	49.00	06 DEC 2023	
8	MW4	1011	41.57	48.00	06 DEC 2023	
9	MW31	1100	40.84	54.50	06 DEC 2023	
10	MW38	1143	39.07	53.00	06 DEC 2023	
11	MW37	1234	39.19	53.00	06 DEC 2023	
12	MW30	1310	40.09	53.70	06 DEC 2023	
13	MW29	1400	40.39	54.01	06 DEC 2023	
14	MW28	1429	40.60	52.70	06 DEC 2023	
15	MW27	0821	40.54	54.00	07 DEC 2023	
16	MW17	~~1003~~ 0903	41.01	48.32	07 DEC 2023	
17	MW3	0942	36.92	44.70	07 DEC 2023	SHEEN
18	MW6	1010	40.10	42.40	07 DEC 2023	
19	MW16	1016	—	—	07 DEC 2023	NAPL .2"
20	MW2	1212	41.50	—		NAPL: 41.47
21	MW4	1245	37.90	—		NAPL: 37.70
22	MW12	1326	41.06	—		NAPL: 41.01
23	MW19	1330	40.03	—		NAPL: 39.95
24	MW18	1430	40.30	—		NAPL: 40.06
25						
26						
27						
28						
29						
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43						
44						
45						

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Low Flow Sampling Field Log

Site: GLADIOLA STATION
Location: NEW MEXICO
Crew: MARK & RYAN RAINS

Stantec #: 203722919
Date: 05 DEC 2023

Stantec

Well: MW33

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU OR AU (± 10% or 3 < 5)
1	1250	41.25	--	--	--	--	--	--	--
2	1255	-	-	18.5	1.20	7.29	1.37	78.3	1428 AU
3	1300	-	-	19.0	1.34	7.24	0.28	70.6	1474 AU
4	1305	-	-	19.1	1.42	7.23	1.43	64.1	56 NTU
5	1310	-	-	18.1	1.39	7.25	0.27	63.4	58 NTU
6	SAMPLED:	1310							
7	PURGE: ≈	6 gal							
8									

Well: MW34

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
9	1345	41.55	-	-	-	-	-	-	-
10	1350	-	-	19.0	0.81	7.33	1.01	69.1	2949 AU
11	1355	-	-	18.7	0.89	7.29	0.80	67.4	792 AU
12	1400	-	-	18.8	0.90	7.28	0.89	67.8	51 NTU
13	SAMPLED:	1400							
14	PURGED: ≈	6 gal							
15									
16									

Sampled Time:
Comment:

Well: MW32

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV (± 10)	Tubidity NTU (± 10% or 3 < 5)
1	1430	42.30	--	--	--	--	--	--	--
2	1435	-	-	18.8	0.95	6.87	0.13	73.2	4.84
3	1440	-	-	18.8	0.95	6.86	0.13	73.1	1.11
4	1445	-	-	18.8	0.95	6.85	0.13	73.1	0.84
5	SAMPLED	1445							
6	PURGED: ≈	6 gal							
7									

Well: MW35

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV (± 10)	Tubidity NTU (± 10% or 3 < 5)
8	1102	41.54	-	-	-	-	-	-	-
9	1105	-	-	18.6	1.32	7.41	1.16	62.2	700
10	1108	-	-	18.6	1.32	7.35	0.41	69.8	835
11	1111	-	-	18.7	1.36	7.29	2.8	59.2	42
12	SAMPLED:	1115							
13	PURGED: ≈	6 gal							
14									
15									
16									

Sampled Time:
Comment:

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Low Flow Sampling Field Log

Site: GLADIOLA STATION
Location: NEW MEXICO
Field Crew: MARK & RYAN RAINS

Stantec #: 203722919
Date: 05 DEC 2023

Stantec

Well: MW36

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
1	1215	40.98	--	--	--	--	--	--	--
2	1220	-	-	18.4	1.34	7.25	2.53	76.4	77.0
3	1225	-	-	18.5	1.34	7.26	3.85	76.2	40.1
4	1230	-	-	18.7	1.34	7.26	4.19	76.4	8.85
5	SAMPLED:	1230							
6	PURGE: ≈	6 gal							
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Sampled Time:
Comment:

Well:	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3 mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
1			--	--	--	--	--	--	--
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Sampled Time:
Comment:

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Low Flow Sampling Field Log

Site: GLADIOLA STATION
Location: NEW MEXICO
Crew: MARK & RYAN ROBINS

Stantec #: 203722919
Date: 06 DEC 2023

Stantec

Well:

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
1	0950	41.87	--	--	--	--	--	--	--
2	0955	-	-	18.7	0.88	7.26	1.49	81.7	7.22
3	1000	-	-	18.7	0.87	7.25	1.08	81.3	3.23
4	1005	-	-	18.7	0.88	7.27	1.53	81.0	2.31
5	SAMPLED:	1005							
6	PURGE: ≈								
7									
8	1017	41.57	-	-	-	-	-	-	-
9	1022	-	-	18.6	1.30	7.03	4.52	80.9	5.23
10	1027	-	-	18.8	1.33	7.00	4.56	80.8	4.39
11	1032 *	-	-	-	-	-	-	-	-
12	SAMPLED:								
13	PURGE: ≈								
14	* SKIPPED CAST READING/MEASUREMENT, DRAW DOWN EXCEEDED WELL RECHARG RATE.								
15									
16									

Sampled Time:
Comment:

Well:

	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV (± 10)	Tubidity NTU OR AU (± 10% or 3 < 5)
1	1107	40.84	--	--	--	--	--	--	--
2	1112	-	-	18.4	1.00	6.98	0.20	79.8	1.25
3	1117	-	-	18.4	1.00	6.98	0.21	79.2	1.38
4	1122	-	-	18.5	1.00	6.98	0.25	78.8	1.27
5	SAMPLED:	1125							
6	PURGE: ≈								
7									
8	1204	39.07	-	-	-	-	-	-	-
9	1209	-	-	18.4	1.51	7.26	3.18	76.9	12.37 AU
10	1214	-	-	18.4	1.53	7.26	3.07	75.7	41.0 NTU
11	1219	-	-	18.4	1.53	7.26	3.30	75.2	51.6 NTU
12	SAMPLED:								
13	PURGE: ≈	7gal							
14									
15									
16									

Sampled Time:
Comment:

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Low Flow Sampling Field Log

Site: GLADIOLA STATION
Location: NEW MEXICO
Field Crew: MARK & RYAN RAINS

Stantec #: 203722919
Date: 06 DEC 2023

Stantec

MW37

Well:	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
1	1230	39.19	--	--	--	--	--	--	--
2	1241	-	-	18.5	0.99	7.34	4.61	75.2	55.4
3	1246	-	-	18.5	1.01	7.33	4.58	75.0	49.2
4	1251	-	-	18.5	1.01	7.34	4.61	74.7	32.3
5	SAMPLED:	1255							
6	PURGE: ≈	6 gal							
7									
8	1332	40.09	-	-	-	-	-	-	-
9	1337	-	-	18.3	1.11	7.25	5.85	72.5	5.50
10	1342	-	-	18.3	1.13	7.25	5.83	72.0	2.15
11	1347	-	-	18.3	1.13	7.25	5.85	71.7	2.04
12	SAMPLED	1350							
13	PURGE: ≈	25 gal							
14									
15									
16									

MW30

Sampled Time:
Comment:

MW25

Well:	Time	Depth to Water ft	Pump Rate mL/min	Temperature C° (± 3%)	Conductivity mS/cm (± 3%)	pH unit (± 0.1)	Dissolved Oxygen mg/L (± 10% or < ± 0.3 mg/L)	Ox / Red Potential mV v. NHE	Tubidity NTU (± 10% or 3 < 5)
1	1404	40.39	--	--	--	--	--	--	--
2	1409	-	-	18.2	1.12	7.28	5.87	68.7	4.66
3	1414	-	-	18.2	1.13	7.28	5.80	68.2	3.38
4	1419	-	-	18.2	1.13	7.27	5.79	68.0	4.13
5	SAMPLED:	1420							
6	PURGE: ≈	25 gal							
7									
8	1427	40.60	-	-	-	-	-	-	-
9	1432	-	-	18.3	1.47	7.25	6.48	66.3	2.24
10	1437	-	-	18.4	1.47	7.25	6.37	66.1	3.16
11	1442	-	-	18.4	1.47	7.24	6.31	65.7	2.43
12	SAMPLED:	1445							
13	PURGE: ≈	25 gal							
14									
15									
16									

MW28

Sampled Time:
Comment:

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/21/2023 8:35:46 AM

JOB DESCRIPTION

ExxonMobil Gladiola Station/238000257

JOB NUMBER

570-151344-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

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my EOL

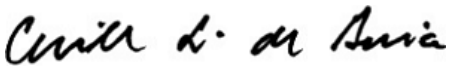
Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Cecile de Guia, Project Manager I
Cecile.deGuia@et.eurofinsus.com
(714)895-5494

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Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-151344-1	MW33	Water	09/06/23 11:20	09/07/23 09:35
570-151344-2	MW34	Water	09/06/23 12:15	09/07/23 09:35
570-151344-3	MW35	Water	09/06/23 09:35	09/07/23 09:35
570-151344-4	MW36	Water	09/06/23 10:25	09/07/23 09:35
570-151344-5	MW37	Water	09/06/23 14:10	09/07/23 09:35
570-151344-6	MW38	Water	09/06/23 13:30	09/07/23 09:35
570-151344-7	Trip Blank	Water	09/06/23 14:10	09/07/23 09:35

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 570-151344-1
Project/Site: ExxonMobil Gladiola Station/238000257

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.

Metals

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.

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: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Job ID: 570-151344-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-151344-1

Receipt
The samples were received on 9/7/2023 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 1.8º C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-362215 recovered outside control limits for the following analytes: 2-Butanone.

Unless there is a specific client QAPP requirement, the reported analyte list for batch quality control samples (LCS, LCSD, MS and MSD) is in accordance with EPA Method 8260B. Refer to the QC Sample Results section of this report.

Method 8260B: The following sample(s) 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: MW33 (570-151344-1) and MW34 (570-151344-2).

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW33 — Lab Sample ID: 570-151344-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J	8.0	3.6	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.24	J	0.50	0.20	ug/L	1		8260B	Total/NA
Arsenic	0.0646	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.565		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0153	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Lead	0.00530	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	251		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1000		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	276		20.0	5.96	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW34 — Lab Sample ID: 570-151344-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0302	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.597		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00440	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	247		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	672		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	102		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW35 — Lab Sample ID: 570-151344-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.16	J	0.50	0.14	ug/L	1		8260B	Total/NA
Acetone	13		8.0	3.6	ug/L	1		8260B	Total/NA
Carbon disulfide	0.46	J	1.0	0.32	ug/L	1		8260B	Total/NA
Arsenic	0.0550	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.146		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0541		0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	261		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	992		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	246		4.00	1.19	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW36 — Lab Sample ID: 570-151344-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0805		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	174		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	284		5.00	1.49	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW37 — Lab Sample ID: 570-151344-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		8.0	3.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW37 (Continued) — Lab Sample ID: 570-151344-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.272		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0121	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Lead	0.00650	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	160		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	727		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	186		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW38 — Lab Sample ID: 570-151344-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.39	J	1.0	0.32	ug/L	1		8260B	Total/NA
Arsenic	0.0299	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	1.19		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0512		0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Lead	0.0170	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	181		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1310		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	369		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-151344-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW33

Date Collected: 09/06/23 11:20
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-1

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			09/08/23 23:35	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 23:35	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 23:35	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 23:35	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 23:35	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 23:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 23:35	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 23:35	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 23:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 23:35	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 23:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 23:35	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 23:35	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 23:35	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 23:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 23:35	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 23:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 23:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 23:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 23:35	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 23:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 23:35	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 23:35	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 23:35	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 23:35	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 23:35	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			09/08/23 23:35	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 23:35	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 23:35	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 23:35	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 23:35	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 23:35	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 23:35	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 23:35	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 23:35	1
Acetone	**5.0**	**J**	8.0	3.6	ug/L			09/08/23 23:35	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 23:35	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 23:35	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 23:35	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 23:35	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 23:35	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 23:35	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 23:35	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 23:35	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 23:35	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 23:35	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 23:35	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 23:35	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 23:35	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW33

Date Collected: 09/06/23 11:20
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-1

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			09/08/23 23:35	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 23:35	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 23:35	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 23:35	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 23:35	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 23:35	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 23:35	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 23:35	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 23:35	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 23:35	1
p-Isopropyltoluene	**0.24**	**J**	0.50	0.20	ug/L			09/08/23 23:35	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 23:35	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 23:35	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 23:35	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 23:35	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 23:35	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 23:35	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*09/08/23 23:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*09/08/23 23:35*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*09/08/23 23:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/08/23 23:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		09/08/23 08:38	09/08/23 21:04	1
Acenaphthylene	ND		0.19	0.067	ug/L		09/08/23 08:38	09/08/23 21:04	1
Anthracene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 21:04	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		09/08/23 08:38	09/08/23 21:04	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		09/08/23 08:38	09/08/23 21:04	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:04	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		09/08/23 08:38	09/08/23 21:04	1
Benzo[k]fluoranthene	ND		0.19	0.091	ug/L		09/08/23 08:38	09/08/23 21:04	1
Chrysene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 21:04	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:04	1
Fluoranthene	ND		0.19	0.066	ug/L		09/08/23 08:38	09/08/23 21:04	1
Fluorene	ND		0.19	0.073	ug/L		09/08/23 08:38	09/08/23 21:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		09/08/23 08:38	09/08/23 21:04	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		09/08/23 08:38	09/08/23 21:04	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		09/08/23 08:38	09/08/23 21:04	1
Naphthalene	ND		0.19	0.080	ug/L		09/08/23 08:38	09/08/23 21:04	1
Phenanthrene	ND		0.19	0.071	ug/L		09/08/23 08:38	09/08/23 21:04	1
Pyrene	ND		0.19	0.064	ug/L		09/08/23 08:38	09/08/23 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*	*09/08/23 08:38*	*09/08/23 21:04*	*1*
Nitrobenzene-d5 (Surr)	*59*		*28 - 139*	*09/08/23 08:38*	*09/08/23 21:04*	*1*
p-Terphenyl-d14 (Surr)	*135*		*23 - 160*	*09/08/23 08:38*	*09/08/23 21:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW33

Date Collected: 09/06/23 11:20
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-1
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		09/12/23 14:01	09/13/23 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0646**	**J**	0.100	0.0199	mg/L		09/08/23 06:30	09/08/23 20:26	1
Barium	**0.565**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:26	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:26	1
Chromium	**0.0153**	**J**	0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:26	1
Lead	**0.00530**	**J**	0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:26	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:26	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**251**		5.00	2.18	mg/L			09/19/23 13:43	1
Total Dissolved Solids (SM 2540C)	**1000**		20.0	17.4	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**276**		20.0	5.96	mg/L			09/09/23 14:41	1

Client Sample ID: MW34

Date Collected: 09/06/23 12:15
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-2
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			09/08/23 23:09	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 23:09	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 23:09	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 23:09	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 23:09	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 23:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 23:09	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 23:09	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 23:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 23:09	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 23:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 23:09	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 23:09	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 23:09	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 23:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 23:09	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 23:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 23:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 23:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 23:09	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 23:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 23:09	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 23:09	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 23:09	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 23:09	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 23:09	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW34
Date Collected: 09/06/23 12:15
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-2
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			09/08/23 23:09	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 23:09	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 23:09	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 23:09	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 23:09	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 23:09	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 23:09	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 23:09	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 23:09	1
Acetone	ND		8.0	3.6	ug/L			09/08/23 23:09	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 23:09	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 23:09	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 23:09	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 23:09	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 23:09	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 23:09	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 23:09	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 23:09	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 23:09	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 23:09	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 23:09	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 23:09	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 23:09	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			09/08/23 23:09	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 23:09	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 23:09	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 23:09	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 23:09	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 23:09	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 23:09	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 23:09	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 23:09	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 23:09	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 23:09	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 23:09	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 23:09	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 23:09	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 23:09	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 23:09	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 23:09	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*09/08/23 23:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*09/08/23 23:09*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*09/08/23 23:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/08/23 23:09*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW34

Date Collected: 09/06/23 12:15
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		09/08/23 08:38	09/08/23 21:25	1
Acenaphthylene	ND		0.19	0.066	ug/L		09/08/23 08:38	09/08/23 21:25	1
Anthracene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 21:25	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		09/08/23 08:38	09/08/23 21:25	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		09/08/23 08:38	09/08/23 21:25	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:25	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		09/08/23 08:38	09/08/23 21:25	1
Benzo[k]fluoranthene	ND		0.19	0.090	ug/L		09/08/23 08:38	09/08/23 21:25	1
Chrysene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 21:25	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:25	1
Fluoranthene	ND		0.19	0.065	ug/L		09/08/23 08:38	09/08/23 21:25	1
Fluorene	ND		0.19	0.072	ug/L		09/08/23 08:38	09/08/23 21:25	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		09/08/23 08:38	09/08/23 21:25	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 21:25	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		09/08/23 08:38	09/08/23 21:25	1
Naphthalene	ND		0.19	0.080	ug/L		09/08/23 08:38	09/08/23 21:25	1
Phenanthrene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 21:25	1
Pyrene	ND		0.19	0.064	ug/L		09/08/23 08:38	09/08/23 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*	*09/08/23 08:38*	*09/08/23 21:25*	*1*
Nitrobenzene-d5 (Surr)	*30*		*28 - 139*	*09/08/23 08:38*	*09/08/23 21:25*	*1*
p-Terphenyl-d14 (Surr)	*138*		*23 - 160*	*09/08/23 08:38*	*09/08/23 21:25*	*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		09/12/23 14:01	09/13/23 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0302**	**J**	0.100	0.0199	mg/L		09/08/23 06:30	09/08/23 20:33	1
Barium	**0.597**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:33	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:33	1
Chromium	**0.00440**	**J**	0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:33	1
Lead	ND		0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:33	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:33	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**247**		5.00	2.18	mg/L			09/19/23 13:49	1
Total Dissolved Solids (SM 2540C)	**672**		10.0	8.70	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**102**		10.0	2.98	mg/L			09/09/23 14:41	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW35

Date Collected: 09/06/23 09:35
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.16**	**J**	0.50	0.14	ug/L			09/08/23 22:44	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 22:44	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 22:44	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 22:44	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 22:44	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 22:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 22:44	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 22:44	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 22:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 22:44	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 22:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 22:44	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 22:44	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 22:44	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 22:44	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 22:44	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 22:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 22:44	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 22:44	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 22:44	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 22:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 22:44	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 22:44	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 22:44	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 22:44	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 22:44	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			09/08/23 22:44	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 22:44	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 22:44	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 22:44	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 22:44	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 22:44	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 22:44	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 22:44	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 22:44	1
Acetone	**13**		8.0	3.6	ug/L			09/08/23 22:44	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 22:44	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 22:44	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 22:44	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 22:44	1
Carbon disulfide	**0.46**	**J**	1.0	0.32	ug/L			09/08/23 22:44	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 22:44	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 22:44	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 22:44	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 22:44	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 22:44	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 22:44	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 22:44	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 22:44	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW35

Date Collected: 09/06/23 09:35
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-3

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			09/08/23 22:44	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 22:44	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 22:44	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 22:44	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 22:44	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 22:44	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 22:44	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 22:44	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 22:44	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 22:44	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 22:44	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 22:44	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 22:44	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 22:44	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 22:44	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 22:44	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 22:44	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*09/08/23 22:44*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*09/08/23 22:44*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*09/08/23 22:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/08/23 22:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		09/08/23 08:38	09/08/23 21:46	1
Acenaphthylene	ND		0.19	0.066	ug/L		09/08/23 08:38	09/08/23 21:46	1
Anthracene	ND		0.19	0.056	ug/L		09/08/23 08:38	09/08/23 21:46	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		09/08/23 08:38	09/08/23 21:46	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		09/08/23 08:38	09/08/23 21:46	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:46	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		09/08/23 08:38	09/08/23 21:46	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		09/08/23 08:38	09/08/23 21:46	1
Chrysene	ND		0.19	0.056	ug/L		09/08/23 08:38	09/08/23 21:46	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 21:46	1
Fluoranthene	ND		0.19	0.065	ug/L		09/08/23 08:38	09/08/23 21:46	1
Fluorene	ND		0.19	0.071	ug/L		09/08/23 08:38	09/08/23 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		09/08/23 08:38	09/08/23 21:46	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 21:46	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		09/08/23 08:38	09/08/23 21:46	1
Naphthalene	ND		0.19	0.079	ug/L		09/08/23 08:38	09/08/23 21:46	1
Phenanthrene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 21:46	1
Pyrene	ND		0.19	0.063	ug/L		09/08/23 08:38	09/08/23 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*33 - 144*	*09/08/23 08:38*	*09/08/23 21:46*	*1*
Nitrobenzene-d5 (Surr)	*38*		*28 - 139*	*09/08/23 08:38*	*09/08/23 21:46*	*1*
p-Terphenyl-d14 (Surr)	*113*		*23 - 160*	*09/08/23 08:38*	*09/08/23 21:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW35

Date Collected: 09/06/23 09:35
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-3
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		09/12/23 14:01	09/13/23 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0550**	**J**	0.100	0.0199	mg/L		09/08/23 06:30	09/08/23 20:36	1
Barium	**0.146**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:36	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:36	1
Chromium	**0.0541**		0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:36	1
Lead	ND		0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:36	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:36	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**261**		5.00	2.18	mg/L			09/19/23 13:55	1
Total Dissolved Solids (SM 2540C)	**992**		10.0	8.70	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**246**		4.00	1.19	mg/L			09/09/23 14:41	1

Client Sample ID: MW36

Date Collected: 09/06/23 10:25
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-4
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			09/08/23 22:19	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 22:19	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 22:19	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 22:19	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 22:19	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 22:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 22:19	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 22:19	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 22:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 22:19	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 22:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 22:19	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 22:19	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 22:19	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 22:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 22:19	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 22:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 22:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 22:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 22:19	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 22:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 22:19	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 22:19	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 22:19	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 22:19	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 22:19	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW36
Date Collected: 09/06/23 10:25
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-4
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		0.50	0.15	ug/L			09/08/23 22:19	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 22:19	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 22:19	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 22:19	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 22:19	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 22:19	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 22:19	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 22:19	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 22:19	1
Acetone	ND		8.0	3.6	ug/L			09/08/23 22:19	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 22:19	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 22:19	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 22:19	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 22:19	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 22:19	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 22:19	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 22:19	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 22:19	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 22:19	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 22:19	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 22:19	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 22:19	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 22:19	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			09/08/23 22:19	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 22:19	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 22:19	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 22:19	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 22:19	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 22:19	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 22:19	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 22:19	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 22:19	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 22:19	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 22:19	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 22:19	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 22:19	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 22:19	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 22:19	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 22:19	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 22:19	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*09/08/23 22:19*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*09/08/23 22:19*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/08/23 22:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/23 22:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW36

Date Collected: 09/06/23 10:25
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		09/08/23 08:38	09/08/23 22:07	1
Acenaphthylene	ND		0.19	0.066	ug/L		09/08/23 08:38	09/08/23 22:07	1
Anthracene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 22:07	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		09/08/23 08:38	09/08/23 22:07	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		09/08/23 08:38	09/08/23 22:07	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 22:07	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		09/08/23 08:38	09/08/23 22:07	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		09/08/23 08:38	09/08/23 22:07	1
Chrysene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 22:07	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 22:07	1
Fluoranthene	ND		0.19	0.065	ug/L		09/08/23 08:38	09/08/23 22:07	1
Fluorene	ND		0.19	0.072	ug/L		09/08/23 08:38	09/08/23 22:07	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		09/08/23 08:38	09/08/23 22:07	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 22:07	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		09/08/23 08:38	09/08/23 22:07	1
Naphthalene	ND		0.19	0.079	ug/L		09/08/23 08:38	09/08/23 22:07	1
Phenanthrene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 22:07	1
Pyrene	ND		0.19	0.063	ug/L		09/08/23 08:38	09/08/23 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*46*		*33 - 144*	*09/08/23 08:38*	*09/08/23 22:07*	*1*
Nitrobenzene-d5 (Surr)	*51*		*28 - 139*	*09/08/23 08:38*	*09/08/23 22:07*	*1*
p-Terphenyl-d14 (Surr)	*125*		*23 - 160*	*09/08/23 08:38*	*09/08/23 22:07*	*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		09/12/23 14:01	09/13/23 15:35	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		09/08/23 06:30	09/08/23 20:38	1
Barium	**0.0805**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:38	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:38	1
Chromium	ND		0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:38	1
Lead	ND		0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:38	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:38	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**174**		5.00	2.18	mg/L			09/19/23 14:02	1
Total Dissolved Solids (SM 2540C)	**1080**		10.0	8.70	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**284**		5.00	1.49	mg/L			09/09/23 14:41	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW37

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-5

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			09/08/23 21:53	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 21:53	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 21:53	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 21:53	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 21:53	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 21:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 21:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 21:53	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 21:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 21:53	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 21:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 21:53	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 21:53	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 21:53	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 21:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:53	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 21:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 21:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 21:53	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 21:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 21:53	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 21:53	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 21:53	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 21:53	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 21:53	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			09/08/23 21:53	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 21:53	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 21:53	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 21:53	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 21:53	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 21:53	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 21:53	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 21:53	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 21:53	1
Acetone	**13**		8.0	3.6	ug/L			09/08/23 21:53	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 21:53	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 21:53	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 21:53	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 21:53	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 21:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 21:53	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 21:53	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 21:53	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 21:53	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 21:53	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 21:53	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 21:53	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 21:53	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW37

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-5

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			09/08/23 21:53	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 21:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 21:53	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:53	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 21:53	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 21:53	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 21:53	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 21:53	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 21:53	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 21:53	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 21:53	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 21:53	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 21:53	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:53	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 21:53	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 21:53	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 21:53	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*09/08/23 21:53*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*09/08/23 21:53*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*09/08/23 21:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/23 21:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		09/08/23 08:38	09/08/23 22:28	1
Acenaphthylene	ND		0.19	0.066	ug/L		09/08/23 08:38	09/08/23 22:28	1
Anthracene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 22:28	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		09/08/23 08:38	09/08/23 22:28	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		09/08/23 08:38	09/08/23 22:28	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 22:28	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		09/08/23 08:38	09/08/23 22:28	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		09/08/23 08:38	09/08/23 22:28	1
Chrysene	ND		0.19	0.057	ug/L		09/08/23 08:38	09/08/23 22:28	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		09/08/23 08:38	09/08/23 22:28	1
Fluoranthene	ND		0.19	0.065	ug/L		09/08/23 08:38	09/08/23 22:28	1
Fluorene	ND		0.19	0.072	ug/L		09/08/23 08:38	09/08/23 22:28	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		09/08/23 08:38	09/08/23 22:28	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 22:28	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		09/08/23 08:38	09/08/23 22:28	1
Naphthalene	ND		0.19	0.079	ug/L		09/08/23 08:38	09/08/23 22:28	1
Phenanthrene	ND		0.19	0.070	ug/L		09/08/23 08:38	09/08/23 22:28	1
Pyrene	ND		0.19	0.063	ug/L		09/08/23 08:38	09/08/23 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*	*09/08/23 08:38*	*09/08/23 22:28*	*1*
Nitrobenzene-d5 (Surr)	*54*		*28 - 139*	*09/08/23 08:38*	*09/08/23 22:28*	*1*
p-Terphenyl-d14 (Surr)	*105*		*23 - 160*	*09/08/23 08:38*	*09/08/23 22:28*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW37

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-5
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		09/12/23 14:01	09/13/23 15:36	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		09/08/23 06:30	09/08/23 20:40	1
Barium	**0.272**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:40	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:40	1
Chromium	**0.0121**	**J**	0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:40	1
Lead	**0.00650**	**J**	0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:40	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:40	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**160**		5.00	2.18	mg/L			09/19/23 14:07	1
Total Dissolved Solids (SM 2540C)	**727**		10.0	8.70	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**186**		10.0	2.98	mg/L			09/09/23 14:41	1

Client Sample ID: MW38

Date Collected: 09/06/23 13:30
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-6
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			09/08/23 21:28	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 21:28	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 21:28	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 21:28	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 21:28	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 21:28	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 21:28	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 21:28	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 21:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 21:28	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 21:28	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 21:28	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 21:28	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 21:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:28	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 21:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:28	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 21:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 21:28	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 21:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 21:28	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 21:28	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 21:28	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 21:28	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 21:28	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW38

Date Collected: 09/06/23 13:30
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-6

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			09/08/23 21:28	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 21:28	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 21:28	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 21:28	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 21:28	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 21:28	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 21:28	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 21:28	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 21:28	1
Acetone	ND		8.0	3.6	ug/L			09/08/23 21:28	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 21:28	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 21:28	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 21:28	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 21:28	1
Carbon disulfide	**0.39**	**J**	1.0	0.32	ug/L			09/08/23 21:28	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 21:28	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 21:28	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 21:28	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 21:28	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 21:28	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 21:28	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 21:28	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 21:28	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			09/08/23 21:28	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 21:28	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 21:28	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:28	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 21:28	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 21:28	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 21:28	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 21:28	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 21:28	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 21:28	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 21:28	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 21:28	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 21:28	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:28	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 21:28	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 21:28	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 21:28	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*09/08/23 21:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*		*09/08/23 21:28*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/08/23 21:28*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/23 21:28*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW38

Date Collected: 09/06/23 13:30
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-6

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		09/08/23 08:38	09/08/23 22:49	1
Acenaphthylene	ND		0.20	0.069	ug/L		09/08/23 08:38	09/08/23 22:49	1
Anthracene	ND		0.20	0.059	ug/L		09/08/23 08:38	09/08/23 22:49	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		09/08/23 08:38	09/08/23 22:49	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		09/08/23 08:38	09/08/23 22:49	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		09/08/23 08:38	09/08/23 22:49	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		09/08/23 08:38	09/08/23 22:49	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		09/08/23 08:38	09/08/23 22:49	1
Chrysene	ND		0.20	0.059	ug/L		09/08/23 08:38	09/08/23 22:49	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		09/08/23 08:38	09/08/23 22:49	1
Fluoranthene	ND		0.20	0.068	ug/L		09/08/23 08:38	09/08/23 22:49	1
Fluorene	ND		0.20	0.075	ug/L		09/08/23 08:38	09/08/23 22:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		09/08/23 08:38	09/08/23 22:49	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		09/08/23 08:38	09/08/23 22:49	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		09/08/23 08:38	09/08/23 22:49	1
Naphthalene	ND		0.20	0.083	ug/L		09/08/23 08:38	09/08/23 22:49	1
Phenanthrene	ND		0.20	0.073	ug/L		09/08/23 08:38	09/08/23 22:49	1
Pyrene	ND		0.20	0.066	ug/L		09/08/23 08:38	09/08/23 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*33 - 144*	*09/08/23 08:38*	*09/08/23 22:49*	*1*
Nitrobenzene-d5 (Surr)	*44*		*28 - 139*	*09/08/23 08:38*	*09/08/23 22:49*	*1*
p-Terphenyl-d14 (Surr)	*115*		*23 - 160*	*09/08/23 08:38*	*09/08/23 22:49*	*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		09/12/23 14:01	09/13/23 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0299**	**J**	0.100	0.0199	mg/L		09/08/23 06:30	09/08/23 20:43	1
Barium	**1.19**		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 20:43	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 20:43	1
Chromium	**0.0512**		0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 20:43	1
Lead	**0.0170**	**J**	0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 20:43	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 20:43	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 20:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**181**		5.00	2.18	mg/L			09/19/23 14:13	1
Total Dissolved Solids (SM 2540C)	**1310**		20.0	17.4	mg/L			09/11/23 19:51	1
Chloride (SM 4500 Cl- C)	**369**		10.0	2.98	mg/L			09/09/23 14:41	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: Trip Blank

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-7

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			09/08/23 21:03	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 21:03	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 21:03	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 21:03	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 21:03	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 21:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 21:03	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 21:03	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 21:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 21:03	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 21:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 21:03	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 21:03	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 21:03	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 21:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:03	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 21:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 21:03	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 21:03	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 21:03	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 21:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 21:03	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 21:03	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 21:03	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 21:03	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 21:03	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			09/08/23 21:03	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 21:03	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 21:03	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 21:03	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 21:03	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 21:03	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 21:03	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 21:03	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 21:03	1
Acetone	ND		8.0	3.6	ug/L			09/08/23 21:03	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 21:03	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 21:03	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 21:03	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 21:03	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 21:03	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 21:03	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 21:03	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 21:03	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 21:03	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 21:03	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 21:03	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 21:03	1
Bromodichloromethane	ND		0.50	0.15	ug/L			09/08/23 21:03	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: Trip Blank

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-7

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			09/08/23 21:03	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 21:03	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 21:03	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:03	1
2-Butanone	ND	*1	5.0	2.9	ug/L			09/08/23 21:03	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 21:03	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 21:03	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 21:03	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 21:03	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 21:03	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 21:03	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 21:03	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 21:03	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 21:03	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 21:03	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 21:03	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 21:03	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 132*		*09/08/23 21:03*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*09/08/23 21:03*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*09/08/23 21:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/08/23 21:03*	*1*

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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)
570-151293-B-2 MS	Matrix Spike	96	95	96	100
570-151293-B-2 MSD	Matrix Spike Duplicate	101	97	100	101
570-151344-1	MW33	103	95	110	96
570-151344-2	MW34	100	95	104	96
570-151344-3	MW35	104	93	108	94
570-151344-4	MW36	101	93	102	99
570-151344-5	MW37	100	95	104	99
570-151344-6	MW38	100	98	102	99
570-151344-7	Trip Blank	102	95	106	95
LCS 570-362215/4	Lab Control Sample	101	96	98	100
LCSD 570-362215/5	Lab Control Sample Dup	102	94	98	100
MB 570-362215/7	Method Blank	102	96	102	96

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)
570-151344-1	MW33	88	59	135
570-151344-2	MW34	60	30	138
570-151344-3	MW35	62	38	113
570-151344-4	MW36	46	51	125
570-151344-5	MW37	51	54	105
570-151344-6	MW38	87	44	115
LCS 570-362022/2-A	Lab Control Sample	75	58	68
LCSD 570-362022/3-A	Lab Control Sample Dup	70	55	64
MB 570-362022/1-A	Method Blank	51	44	44

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: MB 570-362215/7
Matrix: Water
Analysis Batch: 362215

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			09/08/23 19:46	1
Toluene	ND		0.50	0.14	ug/L			09/08/23 19:46	1
Ethylbenzene	ND		0.50	0.16	ug/L			09/08/23 19:46	1
o-Xylene	ND		0.50	0.18	ug/L			09/08/23 19:46	1
m,p-Xylene	ND		1.0	0.39	ug/L			09/08/23 19:46	1
Xylenes, Total	ND		1.0	0.39	ug/L			09/08/23 19:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			09/08/23 19:46	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			09/08/23 19:46	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			09/08/23 19:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			09/08/23 19:46	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			09/08/23 19:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			09/08/23 19:46	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			09/08/23 19:46	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			09/08/23 19:46	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			09/08/23 19:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 19:46	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			09/08/23 19:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			09/08/23 19:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			09/08/23 19:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			09/08/23 19:46	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			09/08/23 19:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			09/08/23 19:46	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			09/08/23 19:46	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			09/08/23 19:46	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			09/08/23 19:46	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			09/08/23 19:46	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			09/08/23 19:46	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			09/08/23 19:46	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			09/08/23 19:46	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			09/08/23 19:46	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			09/08/23 19:46	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			09/08/23 19:46	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			09/08/23 19:46	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			09/08/23 19:46	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			09/08/23 19:46	1
Acetone	ND		8.0	3.6	ug/L			09/08/23 19:46	1
Bromobenzene	ND		0.50	0.14	ug/L			09/08/23 19:46	1
Bromochloromethane	ND		1.0	0.27	ug/L			09/08/23 19:46	1
Bromoform	ND		0.50	0.28	ug/L			09/08/23 19:46	1
Bromomethane	ND		2.0	1.9	ug/L			09/08/23 19:46	1
Carbon disulfide	ND		1.0	0.32	ug/L			09/08/23 19:46	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			09/08/23 19:46	1
Chlorobenzene	ND		0.50	0.12	ug/L			09/08/23 19:46	1
Dibromochloromethane	ND		0.50	0.21	ug/L			09/08/23 19:46	1
Chloroethane	ND		0.50	0.38	ug/L			09/08/23 19:46	1
Chloroform	ND		0.50	0.17	ug/L			09/08/23 19:46	1
Chloromethane	ND		1.0	0.65	ug/L			09/08/23 19:46	1
Dibromomethane	ND		0.50	0.16	ug/L			09/08/23 19:46	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: MB 570-362215/7
Matrix: Water
Analysis Batch: 362215

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			09/08/23 19:46	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			09/08/23 19:46	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			09/08/23 19:46	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			09/08/23 19:46	1
Isopropylbenzene	ND		0.50	0.21	ug/L			09/08/23 19:46	1
2-Butanone	ND		5.0	2.9	ug/L			09/08/23 19:46	1
Methylene Chloride	ND		1.0	0.40	ug/L			09/08/23 19:46	1
2-Hexanone	ND		6.0	2.0	ug/L			09/08/23 19:46	1
Naphthalene	ND		1.0	0.55	ug/L			09/08/23 19:46	1
n-Butylbenzene	ND		0.50	0.24	ug/L			09/08/23 19:46	1
N-Propylbenzene	ND		0.50	0.18	ug/L			09/08/23 19:46	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			09/08/23 19:46	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			09/08/23 19:46	1
Styrene	ND		0.50	0.27	ug/L			09/08/23 19:46	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			09/08/23 19:46	1
Tetrachloroethene	ND		0.50	0.16	ug/L			09/08/23 19:46	1
Trichloroethene	ND		0.50	0.15	ug/L			09/08/23 19:46	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			09/08/23 19:46	1
Vinyl chloride	ND		0.50	0.23	ug/L			09/08/23 19:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 132*		*09/08/23 19:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*09/08/23 19:46*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*09/08/23 19:46*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/08/23 19:46*	*1*

Lab Sample ID: LCS 570-362215/4
Matrix: Water
Analysis Batch: 362215

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	10.22		ug/L		102	80 - 120
Toluene	10.0	10.44		ug/L		104	80 - 120
Ethylbenzene	10.0	9.919		ug/L		99	80 - 126
o-Xylene	10.0	9.847		ug/L		98	80 - 124
m,p-Xylene	20.0	20.68		ug/L		103	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.028		ug/L		90	69 - 128
1,1-Dichloroethene	10.0	9.149		ug/L		91	80 - 126
1,2-Dichlorobenzene	10.0	10.24		ug/L		102	80 - 120
1,2-Dichloroethane	10.0	10.55		ug/L		106	76 - 130
Carbon tetrachloride	10.0	9.549		ug/L		95	61 - 139
Chlorobenzene	10.0	10.19		ug/L		102	80 - 120
1,2-Dibromoethane	10.0	10.19		ug/L		102	80 - 125
Hexachloro-1,3-butadiene	10.0	10.36		ug/L		104	80 - 123
Trichloroethene	10.0	10.48		ug/L		105	77 - 124
Vinyl chloride	10.0	10.08		ug/L		101	50 - 160

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: LCS 570-362215/4
Matrix: Water
Analysis Batch: 362215

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 132
4-Bromofluorobenzene (Surr)	96		76 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-362215/5
Matrix: Water
Analysis Batch: 362215

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	9.829		ug/L		98	80 - 120	4	20
Toluene			10.0	10.15		ug/L		102	80 - 120	3	20
Ethylbenzene			10.0	9.542		ug/L		95	80 - 126	4	20
o-Xylene			10.0	9.541		ug/L		95	80 - 124	3	20
m,p-Xylene			20.0	19.74		ug/L		99	80 - 123	5	20
Methyl-t-Butyl Ether (MTBE)			10.0	8.842		ug/L		88	69 - 128	2	20
1,1-Dichloroethene			10.0	8.797		ug/L		88	80 - 126	4	21
1,2-Dichlorobenzene			10.0	9.687		ug/L		97	80 - 120	6	20
1,2-Dichloroethane			10.0	10.24		ug/L		102	76 - 130	3	20
Carbon tetrachloride			10.0	9.234		ug/L		92	61 - 139	3	20
Chlorobenzene			10.0	9.867		ug/L		99	80 - 120	3	20
1,2-Dibromoethane			10.0	9.700		ug/L		97	80 - 125	5	20
Hexachloro-1,3-butadiene			10.0	9.997		ug/L		100	80 - 123	4	20
Trichloroethene			10.0	10.16		ug/L		102	77 - 124	3	20
Vinyl chloride			10.0	9.633		ug/L		96	50 - 160	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 132
4-Bromofluorobenzene (Surr)	94		76 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 570-151293-B-2 MS
Matrix: Water
Analysis Batch: 362215

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		20.0	18.89		ug/L		94	75 - 125
Toluene	ND		20.0	19.01		ug/L		95	75 - 127
Ethylbenzene	ND		20.0	18.02		ug/L		90	73 - 135
o-Xylene	ND		20.0	18.02		ug/L		90	69 - 138
m,p-Xylene	ND		40.0	36.53		ug/L		91	73 - 138
Methyl-t-Butyl Ether (MTBE)	ND		20.0	16.35		ug/L		82	59 - 131
1,1-Dichloroethene	ND		20.0	15.86		ug/L		79	57 - 148
1,2-Dichlorobenzene	ND		20.0	18.66		ug/L		93	74 - 126
1,2-Dichloroethane	ND		20.0	19.41		ug/L		97	65 - 140
Carbon tetrachloride	ND		20.0	16.06		ug/L		80	50 - 159
Chlorobenzene	ND		20.0	18.58		ug/L		93	75 - 128

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: 570-151293-B-2 MS
Matrix: Water
Analysis Batch: 362215

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	ND		20.0	18.11		ug/L		91	74 - 128
Hexachloro-1,3-butadiene	ND		20.0	19.09		ug/L		95	69 - 137
Trichloroethene	ND		20.0	18.55		ug/L		93	34 - 159
Vinyl chloride	ND		20.0	17.61		ug/L		88	51 - 168

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 570-151293-B-2 MSD
Matrix: Water
Analysis Batch: 362215

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		20.0	17.87		ug/L		89	75 - 125	6	20
Toluene	ND		20.0	17.95		ug/L		90	75 - 127	6	20
Ethylbenzene	ND		20.0	17.33		ug/L		87	73 - 135	4	20
o-Xylene	ND		20.0	17.49		ug/L		87	69 - 138	3	20
m,p-Xylene	ND		40.0	35.37		ug/L		88	73 - 138	3	21
Methyl-t-Butyl Ether (MTBE)	ND		20.0	16.42		ug/L		82	59 - 131	0	20
1,1-Dichloroethene	ND		20.0	15.49		ug/L		77	57 - 148	2	20
1,2-Dichlorobenzene	ND		20.0	17.93		ug/L		90	74 - 126	4	20
1,2-Dichloroethane	ND		20.0	18.45		ug/L		92	65 - 140	5	20
Carbon tetrachloride	ND		20.0	16.20		ug/L		81	50 - 159	1	20
Chlorobenzene	ND		20.0	17.73		ug/L		89	75 - 128	5	20
1,2-Dibromoethane	ND		20.0	16.63		ug/L		83	74 - 128	8	20
Hexachloro-1,3-butadiene	ND		20.0	18.85		ug/L		94	69 - 137	1	24
Trichloroethene	ND		20.0	17.36		ug/L		87	34 - 159	7	23
Vinyl chloride	ND		20.0	18.11		ug/L		91	51 - 168	3	20

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

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

Lab Sample ID: MB 570-362022/1-A
Matrix: Water
Analysis Batch: 362527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		09/08/23 08:37	09/11/23 09:42	1
Acenaphthylene	ND		0.20	0.069	ug/L		09/08/23 08:37	09/11/23 09:42	1
Anthracene	ND		0.20	0.059	ug/L		09/08/23 08:37	09/11/23 09:42	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: MB 570-362022/1-A
Matrix: Water
Analysis Batch: 362527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.20	0.086	ug/L		09/08/23 08:37	09/11/23 09:42	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		09/08/23 08:37	09/11/23 09:42	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		09/08/23 08:37	09/11/23 09:42	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		09/08/23 08:37	09/11/23 09:42	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		09/08/23 08:37	09/11/23 09:42	1
Chrysene	ND		0.20	0.059	ug/L		09/08/23 08:37	09/11/23 09:42	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		09/08/23 08:37	09/11/23 09:42	1
Fluoranthene	ND		0.20	0.068	ug/L		09/08/23 08:37	09/11/23 09:42	1
Fluorene	ND		0.20	0.075	ug/L		09/08/23 08:37	09/11/23 09:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		09/08/23 08:37	09/11/23 09:42	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		09/08/23 08:37	09/11/23 09:42	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		09/08/23 08:37	09/11/23 09:42	1
Naphthalene	ND		0.20	0.083	ug/L		09/08/23 08:37	09/11/23 09:42	1
Phenanthrene	ND		0.20	0.073	ug/L		09/08/23 08:37	09/11/23 09:42	1
Pyrene	ND		0.20	0.066	ug/L		09/08/23 08:37	09/11/23 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*	*09/08/23 08:37*	*09/11/23 09:42*	*1*
Nitrobenzene-d5 (Surr)	*44*		*28 - 139*	*09/08/23 08:37*	*09/11/23 09:42*	*1*
p-Terphenyl-d14 (Surr)	*44*		*23 - 160*	*09/08/23 08:37*	*09/11/23 09:42*	*1*

Lab Sample ID: LCS 570-362022/2-A
Matrix: Water
Analysis Batch: 362527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.780		ug/L		89	55 - 121
Acenaphthylene	2.00	1.784		ug/L		89	33 - 145
Anthracene	2.00	1.760		ug/L		88	27 - 133
Benzo[a]anthracene	2.00	1.694		ug/L		85	33 - 143
Benzo[a]pyrene	2.00	1.532		ug/L		77	17 - 163
Benzo[b]fluoranthene	2.00	1.633		ug/L		82	24 - 159
Benzo[g,h,i]perylene	2.00	1.549		ug/L		77	25 - 157
Benzo[k]fluoranthene	2.00	1.657		ug/L		83	24 - 159
Chrysene	2.00	1.619		ug/L		81	17 - 168
Dibenz(a,h)anthracene	2.00	1.505		ug/L		75	25 - 175
Fluoranthene	2.00	1.755		ug/L		88	26 - 137
Fluorene	2.00	1.701		ug/L		85	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.386		ug/L		69	25 - 175
1-Methylnaphthalene	2.00	1.668		ug/L		83	20 - 140
2-Methylnaphthalene	2.00	1.642		ug/L		82	21 - 140
Naphthalene	2.00	1.659		ug/L		83	21 - 133
Phenanthrene	2.00	1.670		ug/L		83	54 - 120
Pyrene	2.00	1.684		ug/L		84	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*33 - 144*
Nitrobenzene-d5 (Surr)	*58*		*28 - 139*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: LCS 570-362022/2-A
Matrix: Water
Analysis Batch: 362527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362022

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14 (Surr)	68		23 - 160

Lab Sample ID: LCSD 570-362022/3-A
Matrix: Water
Analysis Batch: 362527

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 362022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	1.656		ug/L		83	55 - 121	7	25
Acenaphthylene			2.00	1.676		ug/L		84	33 - 145	6	25
Anthracene			2.00	1.633		ug/L		82	27 - 133	7	25
Benzo[a]anthracene			2.00	1.563		ug/L		78	33 - 143	8	25
Benzo[a]pyrene			2.00	1.412		ug/L		71	17 - 163	8	25
Benzo[b]fluoranthene			2.00	1.482		ug/L		74	24 - 159	10	25
Benzo[g,h,i]perylene			2.00	1.474		ug/L		74	25 - 157	5	25
Benzo[k]fluoranthene			2.00	1.611		ug/L		81	24 - 159	3	25
Chrysene			2.00	1.513		ug/L		76	17 - 168	7	25
Dibenz(a,h)anthracene			2.00	1.404		ug/L		70	25 - 175	7	25
Fluoranthene			2.00	1.648		ug/L		82	26 - 137	6	25
Fluorene			2.00	1.600		ug/L		80	59 - 121	6	25
Indeno[1,2,3-cd]pyrene			2.00	1.275		ug/L		64	25 - 175	8	25
1-Methylnaphthalene			2.00	1.615		ug/L		81	20 - 140	3	25
2-Methylnaphthalene			2.00	1.508		ug/L		75	21 - 140	8	25
Naphthalene			2.00	1.551		ug/L		78	21 - 133	7	25
Phenanthrene			2.00	1.560		ug/L		78	54 - 120	7	25
Pyrene			2.00	1.544		ug/L		77	45 - 129	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	70		33 - 144
Nitrobenzene-d5 (Surr)	55		28 - 139
p-Terphenyl-d14 (Surr)	64		23 - 160

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-363110/1-A
Matrix: Water
Analysis Batch: 363532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 363110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		09/12/23 14:01	09/13/23 15:12	1

Lab Sample ID: LCS 570-363110/2-A
Matrix: Water
Analysis Batch: 363532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 363110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00800	0.008143		mg/L		102	85 - 115		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-363110/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363532 — **Prep Batch: 363110**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.008065		mg/L		101	85 - 115	1	10

Lab Sample ID: 570-151344-1 MS — **Client Sample ID: MW33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363532 — **Prep Batch: 363110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00800	0.007511		mg/L		94	85 - 115

Lab Sample ID: 570-151344-1 MSD — **Client Sample ID: MW33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363532 — **Prep Batch: 363110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.007499		mg/L		94	85 - 115	0	10

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-151532-K-12-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 362529 — **Prep Batch: 361994**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.5240		mg/L		105	80 - 140
Barium	0.0366		0.500	0.5453		mg/L		102	87 - 123
Cadmium	ND		0.500	0.4943		mg/L		99	82 - 124
Chromium	0.107		0.500	0.6090		mg/L		100	86 - 122
Lead	ND		0.500	0.5022		mg/L		100	84 - 120
Selenium	ND		0.500	0.4896		mg/L		98	79 - 127
Silver	ND		0.250	0.2610		mg/L		104	86 - 128

Lab Sample ID: 570-151532-K-12-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 362529 — **Prep Batch: 361994**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5214		mg/L		104	80 - 140	0	11
Barium	0.0366		0.500	0.5468		mg/L		102	87 - 123	0	6
Cadmium	ND		0.500	0.4921		mg/L		98	82 - 124	0	7
Chromium	0.107		0.500	0.6112		mg/L		101	86 - 122	0	8
Lead	ND		0.500	0.5056		mg/L		101	84 - 120	1	7
Selenium	ND		0.500	0.4940		mg/L		99	79 - 127	1	9
Silver	ND		0.250	0.2625		mg/L		105	86 - 128	1	7

Lab Sample ID: 570-151532-O-12-B DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 362529 — **Prep Batch: 361994**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	ND		ND		mg/L		NC	11

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: 570-151532-O-12-B DU
Matrix: Water
Analysis Batch: 362529

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 361994

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	0.0366		0.03610		mg/L		1	6
Cadmium	ND		ND		mg/L		NC	7
Chromium	0.107		0.1079		mg/L		1	8
Lead	ND		ND		mg/L		NC	7
Selenium	ND		ND		mg/L		NC	9
Silver	ND		ND		mg/L		NC	7

Lab Sample ID: MB 570-361994/1-A
Matrix: Water
Analysis Batch: 362529

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 361994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		09/08/23 06:30	09/08/23 19:50	1
Barium	ND		0.0100	0.00111	mg/L		09/08/23 06:30	09/08/23 19:50	1
Cadmium	ND		0.0100	0.000620	mg/L		09/08/23 06:30	09/08/23 19:50	1
Chromium	ND		0.0500	0.00296	mg/L		09/08/23 06:30	09/08/23 19:50	1
Lead	ND		0.0500	0.00527	mg/L		09/08/23 06:30	09/08/23 19:50	1
Selenium	ND		0.0500	0.0162	mg/L		09/08/23 06:30	09/08/23 19:50	1
Silver	ND		0.0100	0.00259	mg/L		09/08/23 06:30	09/08/23 19:50	1

Lab Sample ID: LCS 570-361994/2-A
Matrix: Water
Analysis Batch: 362529

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 361994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.5082		mg/L		102	80 - 120
Barium	0.500	0.5141		mg/L		103	80 - 120
Cadmium	0.500	0.5068		mg/L		101	80 - 120
Chromium	0.500	0.5103		mg/L		102	80 - 120
Lead	0.500	0.5171		mg/L		103	80 - 120
Selenium	0.500	0.4834		mg/L		97	80 - 120
Silver	0.250	0.2533		mg/L		101	80 - 120

Lab Sample ID: LCSD 570-361994/3-A
Matrix: Water
Analysis Batch: 362529

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 361994

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.4965		mg/L		99	80 - 120	2	20
Barium	0.500	0.5072		mg/L		101	80 - 120	1	20
Cadmium	0.500	0.5012		mg/L		100	80 - 120	1	20
Chromium	0.500	0.5056		mg/L		101	80 - 120	1	20
Lead	0.500	0.5031		mg/L		101	80 - 120	3	20
Selenium	0.500	0.4757		mg/L		95	80 - 120	2	20
Silver	0.250	0.2496		mg/L		100	80 - 120	1	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-365486/41
Matrix: Water
Analysis Batch: 365486

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			09/19/23 13:20	1

Lab Sample ID: LCS 570-365486/39
Matrix: Water
Analysis Batch: 365486

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	104.0		mg/L		98	78 - 110

Lab Sample ID: LCSD 570-365486/40
Matrix: Water
Analysis Batch: 365486

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	95.26		mg/L		90	78 - 110	9	10

Lab Sample ID: 570-152555-B-1 DU
Matrix: Water
Analysis Batch: 365486

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)	21.1		21.62		mg/L		2	25

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

Lab Sample ID: MB 570-362857/1
Matrix: Water
Analysis Batch: 362857

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			09/11/23 19:51	1

Lab Sample ID: LCS 570-362857/2
Matrix: Water
Analysis Batch: 362857

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	958.0		mg/L		96	84 - 108

Lab Sample ID: LCSD 570-362857/3
Matrix: Water
Analysis Batch: 362857

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

Lab Sample ID: 570-151442-E-2 DU
Matrix: Water
Analysis Batch: 362857

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	3160		3204		mg/L		1	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-362439/1
Matrix: Water
Analysis Batch: 362439

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			09/09/23 14:41	1

Lab Sample ID: LCS 570-362439/2
Matrix: Water
Analysis Batch: 362439

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	102.0		mg/L		102	80 - 120

Lab Sample ID: LCSD 570-362439/3
Matrix: Water
Analysis Batch: 362439

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	101.3		mg/L		101	80 - 120	1	10

Lab Sample ID: 570-151446-C-1 MS
Matrix: Water
Analysis Batch: 362439

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	293		1000	1332		mg/L		104	75 - 125

Lab Sample ID: 570-151446-C-1 MSD
Matrix: Water
Analysis Batch: 362439

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	293		1000	1323		mg/L		103	75 - 125	1	15

Lab Sample ID: 570-151446-C-1 DU
Matrix: Water
Analysis Batch: 362439

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	293		286.9		mg/L		2	15

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

GC/MS VOA

Analysis Batch: 362215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	8260B	
570-151344-2	MW34	Total/NA	Water	8260B	
570-151344-3	MW35	Total/NA	Water	8260B	
570-151344-4	MW36	Total/NA	Water	8260B	
570-151344-5	MW37	Total/NA	Water	8260B	
570-151344-6	MW38	Total/NA	Water	8260B	
570-151344-7	Trip Blank	Total/NA	Water	8260B	
MB 570-362215/7	Method Blank	Total/NA	Water	8260B	
LCS 570-362215/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-362215/5	Lab Control Sample Dup	Total/NA	Water	8260B	
570-151293-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
570-151293-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 362022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	3510C	
570-151344-2	MW34	Total/NA	Water	3510C	
570-151344-3	MW35	Total/NA	Water	3510C	
570-151344-4	MW36	Total/NA	Water	3510C	
570-151344-5	MW37	Total/NA	Water	3510C	
570-151344-6	MW38	Total/NA	Water	3510C	
MB 570-362022/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-362022/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-362022/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 362189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	8270C SIM	362022
570-151344-2	MW34	Total/NA	Water	8270C SIM	362022
570-151344-3	MW35	Total/NA	Water	8270C SIM	362022
570-151344-4	MW36	Total/NA	Water	8270C SIM	362022
570-151344-5	MW37	Total/NA	Water	8270C SIM	362022
570-151344-6	MW38	Total/NA	Water	8270C SIM	362022

Analysis Batch: 362527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-362022/1-A	Method Blank	Total/NA	Water	8270C SIM	362022
LCS 570-362022/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	362022
LCSD 570-362022/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	362022

Metals

Prep Batch: 361994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total Recoverable	Water	3005A	
570-151344-2	MW34	Total Recoverable	Water	3005A	
570-151344-3	MW35	Total Recoverable	Water	3005A	
570-151344-4	MW36	Total Recoverable	Water	3005A	
570-151344-5	MW37	Total Recoverable	Water	3005A	
570-151344-6	MW38	Total Recoverable	Water	3005A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Metals (Continued)

Prep Batch: 361994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-361994/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-361994/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-361994/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-151532-K-12-A MS	Matrix Spike	Total/NA	Water	3005A	
570-151532-K-12-B MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	
570-151532-O-12-B DU	Duplicate	Total/NA	Water	3005A	

Analysis Batch: 362529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total Recoverable	Water	6010B	361994
570-151344-2	MW34	Total Recoverable	Water	6010B	361994
570-151344-3	MW35	Total Recoverable	Water	6010B	361994
570-151344-4	MW36	Total Recoverable	Water	6010B	361994
570-151344-5	MW37	Total Recoverable	Water	6010B	361994
570-151344-6	MW38	Total Recoverable	Water	6010B	361994
MB 570-361994/1-A	Method Blank	Total Recoverable	Water	6010B	361994
LCS 570-361994/2-A	Lab Control Sample	Total Recoverable	Water	6010B	361994
LCSD 570-361994/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	361994
570-151532-K-12-A MS	Matrix Spike	Total/NA	Water	6010B	361994
570-151532-K-12-B MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	361994
570-151532-O-12-B DU	Duplicate	Total/NA	Water	6010B	361994

Prep Batch: 363110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	245.1	
570-151344-2	MW34	Total/NA	Water	245.1	
570-151344-3	MW35	Total/NA	Water	245.1	
570-151344-4	MW36	Total/NA	Water	245.1	
570-151344-5	MW37	Total/NA	Water	245.1	
570-151344-6	MW38	Total/NA	Water	245.1	
MB 570-363110/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-363110/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-363110/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-151344-1 MS	MW33	Total/NA	Water	245.1	
570-151344-1 MSD	MW33	Total/NA	Water	245.1	

Analysis Batch: 363532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	245.1	363110
570-151344-2	MW34	Total/NA	Water	245.1	363110
570-151344-3	MW35	Total/NA	Water	245.1	363110
570-151344-4	MW36	Total/NA	Water	245.1	363110
570-151344-5	MW37	Total/NA	Water	245.1	363110
570-151344-6	MW38	Total/NA	Water	245.1	363110
MB 570-363110/1-A	Method Blank	Total/NA	Water	245.1	363110
LCS 570-363110/2-A	Lab Control Sample	Total/NA	Water	245.1	363110
LCSD 570-363110/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	363110
570-151344-1 MS	MW33	Total/NA	Water	245.1	363110
570-151344-1 MSD	MW33	Total/NA	Water	245.1	363110

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

General Chemistry

Analysis Batch: 362439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	SM 4500 Cl- C	
570-151344-2	MW34	Total/NA	Water	SM 4500 Cl- C	
570-151344-3	MW35	Total/NA	Water	SM 4500 Cl- C	
570-151344-4	MW36	Total/NA	Water	SM 4500 Cl- C	
570-151344-5	MW37	Total/NA	Water	SM 4500 Cl- C	
570-151344-6	MW38	Total/NA	Water	SM 4500 Cl- C	
MB 570-362439/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-362439/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-362439/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-151446-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-151446-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-151446-C-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 362857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	SM 2540C	
570-151344-2	MW34	Total/NA	Water	SM 2540C	
570-151344-3	MW35	Total/NA	Water	SM 2540C	
570-151344-4	MW36	Total/NA	Water	SM 2540C	
570-151344-5	MW37	Total/NA	Water	SM 2540C	
570-151344-6	MW38	Total/NA	Water	SM 2540C	
MB 570-362857/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-362857/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-362857/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-151442-E-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 365486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-151344-1	MW33	Total/NA	Water	SM 2320B	
570-151344-2	MW34	Total/NA	Water	SM 2320B	
570-151344-3	MW35	Total/NA	Water	SM 2320B	
570-151344-4	MW36	Total/NA	Water	SM 2320B	
570-151344-5	MW37	Total/NA	Water	SM 2320B	
570-151344-6	MW38	Total/NA	Water	SM 2320B	
MB 570-365486/41	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-365486/39	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-365486/40	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-152555-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW33

Date Collected: 09/06/23 11:20
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-1

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	362215	09/08/23 23:35	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1029.5 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 21:04	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:25	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:26	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 13:43	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	5 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW34

Date Collected: 09/06/23 12:15
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-2

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	362215	09/08/23 23:09	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1039.2 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 21:25	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:31	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:33	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 13:49	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW35

Date Collected: 09/06/23 09:35
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-3
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	362215	09/08/23 22:44	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1048.7 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 21:46	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:33	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:36	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 13:55	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	25 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW36

Date Collected: 09/06/23 10:25
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-4
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	362215	09/08/23 22:19	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1044.6 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 22:07	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:35	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:38	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 14:02	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	20 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: MW37

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-5

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	362215	09/08/23 21:53	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1044.3 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 22:28	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:36	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:40	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 14:07	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW38

Date Collected: 09/06/23 13:30
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	362215	09/08/23 21:28	KHF2	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			998.8 mL	2 mL	362022	09/08/23 08:38	CR	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	362189	09/08/23 22:49	UFLE	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	363110	09/12/23 14:01	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			363532	09/13/23 15:38	C0YH	EET CAL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	361994	09/08/23 06:30	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			362529	09/08/23 20:43	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	365486	09/19/23 14:13	UAPD	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	362857	09/11/23 19:51	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	362439	09/09/23 14:41	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

Client Sample ID: Trip Blank

Date Collected: 09/06/23 14:10
Date Received: 09/07/23 09:35

Lab Sample ID: 570-151344-7

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	362215	09/08/23 21:03	KHF2	EET CAL 4
	Instrument ID: GCMSWW									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 570-151344-1
Project/Site: ExxonMobil Gladiola Station/238000257

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	02-02-24

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: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-151344-1

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

1368-5394-5 STD

eurofins | Calscience
2841 DOW AVE SUIT 100
TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE: 151344

PAGE: 1 OF 1

(ZXS9)

ExxonMobil Engr: Chris Bear

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

GLOBAL ID #/ COELT LOG CODE:

PROJECT CONTACT: James Anderson
SAMPLER(S):

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

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	MW33		9-6-23	11:20	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
2	MW34			12:15	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
3	MW35			9:35	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
4	MW36			10:25	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
5	MW37			14:10	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
6	MW38			13:30	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
7	Trip Blank			14:10	W	2	X					2 vials with HCL
8												
9												
10												
11												
12												

570-151344 Chain of Custody

CONTAINER TYPE

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time
M Loehr (Fedex)	FedEx	9-6-23 16:30
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 9/7/23 0935
Relinquished by: (Signature) COC\COC	Received by: (Signature)	Date, & Time:

SUB 1-7/11-8, 1-5/11-6

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 570-151344-1

Login Number: 151344 **List Source: Eurofins Calscience**
List Number: 1
Creator: Gutierrez, Rebecca

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?	False	Refer to Job Narrative for details.
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/18/2023 9:13:17 PM

JOB DESCRIPTION

ExxonMobil Gladiola Station/3612

JOB NUMBER

570-163176-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Released to Imaging: 12/16/2024 10:44:58 AM

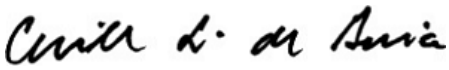
Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
12/18/2023 9:13:17 PM

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

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory Job ID: 570-163176-1

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Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-163176-1	MW36	Water	12/05/23 12:30	12/06/23 10:00
570-163176-2	MW35	Water	12/05/23 11:15	12/06/23 10:00
570-163176-3	MW34	Water	12/05/23 14:00	12/06/23 10:00
570-163176-4	MW33	Water	12/05/23 13:10	12/06/23 10:00
570-163176-5	MW32	Water	12/05/23 14:45	12/06/23 10:00
570-163176-6	Trip Blank	Water	12/05/23 14:45	12/06/23 10:00

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 570-163176-1
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.

Metals

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.

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: Stantec Consulting Services Inc
Project: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Job ID: 570-163176-1 Eurofins Calscience

Job Narrative
570-163176-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/6/2023 10:00 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 time was 3.6°C

GC/MS VOA
Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-392388. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-392545. 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
Method 8270C_SIM_PAH: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-390199. 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.

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

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW36 — Lab Sample ID: 570-163176-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.66		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	140		2.0	0.47	mg/L	2		9056A	Total/NA
Barium	0.0539		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00720	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Molybdenum	0.00700	J	0.0500	0.00391	mg/L	1		6010B	Total Recoverable
Vanadium	0.0410		0.0100	0.00239	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	938		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	268		20.0	5.96	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW35 — Lab Sample ID: 570-163176-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.49	J	1.0	0.32	ug/L	1		8260B	Total/NA
Bromide	0.67		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate - DL	190		10	2.4	mg/L	10		9056A	Total/NA
Arsenic	0.0411	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.155		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0162	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Cobalt	0.00180	J	0.0500	0.000880	mg/L	1		6010B	Total Recoverable
Molybdenum	0.00570	J	0.0500	0.00391	mg/L	1		6010B	Total Recoverable
Nickel	0.00590	J	0.0500	0.00307	mg/L	1		6010B	Total Recoverable
Vanadium	0.0175		0.0100	0.00239	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	220		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	996		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	230		20.0	5.96	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW34 — Lab Sample ID: 570-163176-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.47		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	110		2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0336	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.518		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00920	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Cobalt	0.00390	J	0.0500	0.000880	mg/L	1		6010B	Total Recoverable
Copper	0.00530	J	0.0500	0.00269	mg/L	1		6010B	Total Recoverable
Lead	0.00750	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW34 (Continued) — Lab Sample ID: 570-163176-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.00500	J	0.0500	0.00307	mg/L	1		6010B	Total Recoverable
Vanadium	0.0579		0.0100	0.00239	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	227		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	698		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	103		5.00	1.49	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW33 — Lab Sample ID: 570-163176-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	1.0		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	200		2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0491	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.623		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0135	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Cobalt	0.00340	J	0.0500	0.000880	mg/L	1		6010B	Total Recoverable
Lead	0.00710	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Nickel	0.00620	J	0.0500	0.00307	mg/L	1		6010B	Total Recoverable
Vanadium	0.0389		0.0100	0.00239	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	213		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1100		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	273		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW32 — Lab Sample ID: 570-163176-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.55		0.50	0.14	ug/L	1		8260B	Total/NA
2-Hexanone	6.2		6.0	2.0	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.24	J	0.50	0.24	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	1.3		0.50	0.20	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.7		0.50	0.20	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.4		0.50	0.21	ug/L	1		8260B	Total/NA
Fluorene	0.30		0.19	0.071	ug/L	1		8270C SIM	Total/NA
Arsenic	0.0214	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.290		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Cobalt	0.00290	J	0.0500	0.000880	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	476		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	665		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	36.7		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-163176-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW36

Date Collected: 12/05/23 12:30
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-1

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			12/13/23 21:56	1
Toluene	ND		0.50	0.14	ug/L			12/13/23 21:56	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/13/23 21:56	1
o-Xylene	ND		0.50	0.18	ug/L			12/13/23 21:56	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/13/23 21:56	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/13/23 21:56	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/13/23 21:56	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/13/23 21:56	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/13/23 21:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/13/23 21:56	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/13/23 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/13/23 21:56	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/13/23 21:56	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/13/23 21:56	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/13/23 21:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 21:56	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/13/23 21:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 21:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/13/23 21:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/13/23 21:56	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/13/23 21:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/13/23 21:56	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/13/23 21:56	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/13/23 21:56	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/13/23 21:56	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/13/23 21:56	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/13/23 21:56	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/13/23 21:56	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/13/23 21:56	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/13/23 21:56	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/13/23 21:56	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/13/23 21:56	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/13/23 21:56	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/13/23 21:56	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/13/23 21:56	1
Acetone	ND		8.0	3.6	ug/L			12/13/23 21:56	1
Bromobenzene	ND		0.50	0.14	ug/L			12/13/23 21:56	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/13/23 21:56	1
Bromoform	ND		0.50	0.28	ug/L			12/13/23 21:56	1
Bromomethane	ND		2.0	1.9	ug/L			12/13/23 21:56	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/13/23 21:56	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/13/23 21:56	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/13/23 21:56	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/13/23 21:56	1
Chloroethane	ND		0.50	0.38	ug/L			12/13/23 21:56	1
Chloroform	ND		0.50	0.17	ug/L			12/13/23 21:56	1
Chloromethane	ND		1.0	0.65	ug/L			12/13/23 21:56	1
Dibromomethane	ND		0.50	0.16	ug/L			12/13/23 21:56	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/13/23 21:56	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW36

Date Collected: 12/05/23 12:30
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-1

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			12/13/23 21:56	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/13/23 21:56	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/13/23 21:56	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/13/23 21:56	1
2-Butanone	ND		5.0	2.9	ug/L			12/13/23 21:56	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/13/23 21:56	1
2-Hexanone	ND		6.0	2.0	ug/L			12/13/23 21:56	1
Naphthalene	ND		1.0	0.55	ug/L			12/13/23 21:56	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/13/23 21:56	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/13/23 21:56	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/13/23 21:56	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/13/23 21:56	1
Styrene	ND		0.50	0.27	ug/L			12/13/23 21:56	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/13/23 21:56	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/13/23 21:56	1
Trichloroethene	ND		0.50	0.15	ug/L			12/13/23 21:56	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/13/23 21:56	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/13/23 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*		*12/13/23 21:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*		*12/13/23 21:56*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*12/13/23 21:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/13/23 21:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		12/07/23 05:58	12/08/23 01:51	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/07/23 05:58	12/08/23 01:51	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 01:51	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/07/23 05:58	12/08/23 01:51	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 05:58	12/08/23 01:51	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 05:58	12/08/23 01:51	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		12/07/23 05:58	12/08/23 01:51	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 05:58	12/08/23 01:51	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 01:51	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 05:58	12/08/23 01:51	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 05:58	12/08/23 01:51	1
Fluorene	ND		0.19	0.072	ug/L		12/07/23 05:58	12/08/23 01:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 05:58	12/08/23 01:51	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 01:51	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/07/23 05:58	12/08/23 01:51	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 01:51	1
Phenanthrene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 01:51	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 05:58	12/08/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*33 - 144*	*12/07/23 05:58*	*12/08/23 01:51*	*1*
Nitrobenzene-d5 (Surr)	*60*		*28 - 139*	*12/07/23 05:58*	*12/08/23 01:51*	*1*
p-Terphenyl-d14 (Surr)	*59*		*23 - 160*	*12/07/23 05:58*	*12/08/23 01:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW36

Date Collected: 12/05/23 12:30
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-1
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.66**		0.20	0.082	mg/L			12/14/23 17:24	2
Sulfate	**140**		2.0	0.47	mg/L			12/14/23 17:24	2

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		12/12/23 11:41	12/13/23 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 21:12	1
Arsenic	ND		0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 21:12	1
Barium	**0.0539**		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 21:12	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 21:12	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 21:12	1
Chromium	**0.00720**	**J**	0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 21:12	1
Cobalt	ND		0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 21:12	1
Copper	ND		0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 21:12	1
Lead	ND		0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 21:12	1
Molybdenum	**0.00700**	**J**	0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 21:12	1
Nickel	ND		0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 21:12	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 21:12	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 21:12	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 21:12	1
Vanadium	**0.0410**		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 21:12	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 21:12	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			12/12/23 22:02	1
Total Dissolved Solids (SM 2540C)	**938**		10.0	8.70	mg/L			12/09/23 12:38	1
Chloride (SM 4500 Cl- C)	**268**		20.0	5.96	mg/L			12/13/23 15:53	1

Client Sample ID: MW35

Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2
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			12/13/23 22:22	1
Toluene	ND		0.50	0.14	ug/L			12/13/23 22:22	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/13/23 22:22	1
o-Xylene	ND		0.50	0.18	ug/L			12/13/23 22:22	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/13/23 22:22	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/13/23 22:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/13/23 22:22	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/13/23 22:22	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/13/23 22:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/13/23 22:22	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/13/23 22:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/13/23 22:22	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW35

Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/13/23 22:22	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/13/23 22:22	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/13/23 22:22	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 22:22	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/13/23 22:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 22:22	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/13/23 22:22	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/13/23 22:22	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/13/23 22:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/13/23 22:22	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/13/23 22:22	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/13/23 22:22	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/13/23 22:22	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/13/23 22:22	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/13/23 22:22	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/13/23 22:22	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/13/23 22:22	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/13/23 22:22	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/13/23 22:22	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/13/23 22:22	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/13/23 22:22	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/13/23 22:22	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/13/23 22:22	1
Acetone	ND		8.0	3.6	ug/L			12/13/23 22:22	1
Bromobenzene	ND		0.50	0.14	ug/L			12/13/23 22:22	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/13/23 22:22	1
Bromoform	ND		0.50	0.28	ug/L			12/13/23 22:22	1
Bromomethane	ND		2.0	1.9	ug/L			12/13/23 22:22	1
Carbon disulfide	**0.49**	**J**	1.0	0.32	ug/L			12/13/23 22:22	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/13/23 22:22	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/13/23 22:22	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/13/23 22:22	1
Chloroethane	ND		0.50	0.38	ug/L			12/13/23 22:22	1
Chloroform	ND		0.50	0.17	ug/L			12/13/23 22:22	1
Chloromethane	ND		1.0	0.65	ug/L			12/13/23 22:22	1
Dibromomethane	ND		0.50	0.16	ug/L			12/13/23 22:22	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/13/23 22:22	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/13/23 22:22	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/13/23 22:22	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/13/23 22:22	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/13/23 22:22	1
2-Butanone	ND		5.0	2.9	ug/L			12/13/23 22:22	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/13/23 22:22	1
2-Hexanone	ND		6.0	2.0	ug/L			12/13/23 22:22	1
Naphthalene	ND		1.0	0.55	ug/L			12/13/23 22:22	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/13/23 22:22	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/13/23 22:22	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/13/23 22:22	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/13/23 22:22	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW35
Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.27	ug/L			12/13/23 22:22	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/13/23 22:22	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/13/23 22:22	1
Trichloroethene	ND		0.50	0.15	ug/L			12/13/23 22:22	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/13/23 22:22	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/13/23 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*		*12/13/23 22:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*12/13/23 22:22*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*12/13/23 22:22*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/13/23 22:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/07/23 05:58	12/08/23 02:11	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/07/23 05:58	12/08/23 02:11	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:11	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/07/23 05:58	12/08/23 02:11	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 05:58	12/08/23 02:11	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 05:58	12/08/23 02:11	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		12/07/23 05:58	12/08/23 02:11	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 05:58	12/08/23 02:11	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:11	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 05:58	12/08/23 02:11	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 05:58	12/08/23 02:11	1
Fluorene	ND		0.19	0.072	ug/L		12/07/23 05:58	12/08/23 02:11	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 05:58	12/08/23 02:11	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:11	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/07/23 05:58	12/08/23 02:11	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 02:11	1
Phenanthrene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:11	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 05:58	12/08/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*33 - 144*	*12/07/23 05:58*	*12/08/23 02:11*	*1*
Nitrobenzene-d5 (Surr)	*59*		*28 - 139*	*12/07/23 05:58*	*12/08/23 02:11*	*1*
p-Terphenyl-d14 (Surr)	*64*		*23 - 160*	*12/07/23 05:58*	*12/08/23 02:11*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.67**		0.20	0.082	mg/L			12/14/23 17:41	2

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**190**		10	2.4	mg/L			12/14/23 21:39	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		12/12/23 11:41	12/13/23 17:09	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW35

Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 21:14	1
Arsenic	**0.0411**	**J**	0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 21:14	1
Barium	**0.155**		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 21:14	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 21:14	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 21:14	1
Chromium	**0.0162**	**J**	0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 21:14	1
Cobalt	**0.00180**	**J**	0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 21:14	1
Copper	ND		0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 21:14	1
Lead	ND		0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 21:14	1
Molybdenum	**0.00570**	**J**	0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 21:14	1
Nickel	**0.00590**	**J**	0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 21:14	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 21:14	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 21:14	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 21:14	1
Vanadium	**0.0175**		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 21:14	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 21:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**220**		5.00	2.18	mg/L			12/12/23 22:09	1
Total Dissolved Solids (SM 2540C)	**996**		10.0	8.70	mg/L			12/09/23 12:38	1
Chloride (SM 4500 Cl- C)	**230**		20.0	5.96	mg/L			12/13/23 15:53	1

Client Sample ID: MW34

Date Collected: 12/05/23 14:00
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-3
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			12/14/23 10:55	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 10:55	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 10:55	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 10:55	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 10:55	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 10:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 10:55	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 10:55	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 10:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 10:55	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 10:55	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 10:55	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 10:55	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 10:55	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:55	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 10:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:55	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 10:55	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 10:55	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW34
Date Collected: 12/05/23 14:00
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-3
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		0.50	0.16	ug/L			12/14/23 10:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 10:55	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 10:55	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 10:55	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 10:55	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 10:55	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 10:55	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 10:55	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 10:55	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 10:55	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 10:55	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 10:55	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 10:55	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 10:55	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 10:55	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 10:55	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 10:55	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 10:55	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 10:55	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 10:55	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 10:55	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 10:55	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 10:55	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 10:55	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 10:55	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 10:55	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 10:55	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 10:55	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 10:55	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 10:55	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 10:55	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 10:55	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 10:55	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 10:55	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 10:55	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 10:55	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 10:55	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 10:55	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 10:55	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 10:55	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/14/23 10:55	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 10:55	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 10:55	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 10:55	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 10:55	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 10:55	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*		*12/14/23 10:55*	*1*

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW34

Date Collected: 12/05/23 14:00
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*76 - 120*		*12/14/23 10:55*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*12/14/23 10:55*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/14/23 10:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		12/07/23 05:58	12/08/23 02:32	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/07/23 05:58	12/08/23 02:32	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:32	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/07/23 05:58	12/08/23 02:32	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 05:58	12/08/23 02:32	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 05:58	12/08/23 02:32	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		12/07/23 05:58	12/08/23 02:32	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 05:58	12/08/23 02:32	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:32	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 05:58	12/08/23 02:32	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 05:58	12/08/23 02:32	1
Fluorene	ND		0.19	0.072	ug/L		12/07/23 05:58	12/08/23 02:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 05:58	12/08/23 02:32	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:32	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/07/23 05:58	12/08/23 02:32	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 02:32	1
Phenanthrene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:32	1
Pyrene	ND		0.19	0.063	ug/L		12/07/23 05:58	12/08/23 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*49*		*33 - 144*	*12/07/23 05:58*	*12/08/23 02:32*	*1*
Nitrobenzene-d5 (Surr)	*55*		*28 - 139*	*12/07/23 05:58*	*12/08/23 02:32*	*1*
p-Terphenyl-d14 (Surr)	*65*		*23 - 160*	*12/07/23 05:58*	*12/08/23 02:32*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.47**		0.20	0.082	mg/L			12/14/23 17:57	2
Sulfate	**110**		2.0	0.47	mg/L			12/14/23 17:57	2

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		12/12/23 11:41	12/13/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 21:16	1
Arsenic	**0.0336**	**J**	0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 21:16	1
Barium	**0.518**		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 21:16	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 21:16	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 21:16	1
Chromium	**0.00920**	**J**	0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 21:16	1
Cobalt	**0.00390**	**J**	0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 21:16	1
Copper	**0.00530**	**J**	0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 21:16	1
Lead	**0.00750**	**J**	0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 21:16	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW34

Date Collected: 12/05/23 14:00
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 21:16	1
Nickel	**0.00500**	**J**	0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 21:16	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 21:16	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 21:16	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 21:16	1
Vanadium	**0.0579**		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 21:16	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 21:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**227**		5.00	2.18	mg/L			12/12/23 22:15	1
Total Dissolved Solids (SM 2540C)	**698**		10.0	8.70	mg/L			12/09/23 12:38	1
Chloride (SM 4500 Cl- C)	**103**		5.00	1.49	mg/L			12/13/23 15:53	1

Client Sample ID: MW33

Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-4
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			12/14/23 10:29	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 10:29	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 10:29	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 10:29	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 10:29	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 10:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 10:29	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 10:29	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 10:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 10:29	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 10:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 10:29	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 10:29	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 10:29	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 10:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:29	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 10:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 10:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 10:29	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 10:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 10:29	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 10:29	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 10:29	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 10:29	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 10:29	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 10:29	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 10:29	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 10:29	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW33

Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-4

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			12/14/23 10:29	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 10:29	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 10:29	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 10:29	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 10:29	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 10:29	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 10:29	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 10:29	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 10:29	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 10:29	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 10:29	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 10:29	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 10:29	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 10:29	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 10:29	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 10:29	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 10:29	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 10:29	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 10:29	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 10:29	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 10:29	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 10:29	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 10:29	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 10:29	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 10:29	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 10:29	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 10:29	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 10:29	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 10:29	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 10:29	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 10:29	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/14/23 10:29	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 10:29	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 10:29	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 10:29	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 10:29	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 10:29	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*		*12/14/23 10:29*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 120*		*12/14/23 10:29*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/14/23 10:29*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/14/23 10:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		12/07/23 05:58	12/08/23 02:52	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/07/23 05:58	12/08/23 02:52	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:52	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW33

Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/07/23 05:58	12/08/23 02:52	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 05:58	12/08/23 02:52	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 05:58	12/08/23 02:52	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/07/23 05:58	12/08/23 02:52	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 05:58	12/08/23 02:52	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 05:58	12/08/23 02:52	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 05:58	12/08/23 02:52	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 05:58	12/08/23 02:52	1
Fluorene	ND		0.19	0.071	ug/L		12/07/23 05:58	12/08/23 02:52	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 05:58	12/08/23 02:52	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:52	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/07/23 05:58	12/08/23 02:52	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 02:52	1
Phenanthrene	ND		0.19	0.070	ug/L		12/07/23 05:58	12/08/23 02:52	1
Pyrene	ND		0.19	0.063	ug/L		12/07/23 05:58	12/08/23 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*33 - 144*	*12/07/23 05:58*	*12/08/23 02:52*	*1*
Nitrobenzene-d5 (Surr)	*53*		*28 - 139*	*12/07/23 05:58*	*12/08/23 02:52*	*1*
p-Terphenyl-d14 (Surr)	*59*		*23 - 160*	*12/07/23 05:58*	*12/08/23 02:52*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**1.0**		0.20	0.082	mg/L			12/14/23 18:16	2
Sulfate	**200**		2.0	0.47	mg/L			12/14/23 18:16	2

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		12/12/23 11:41	12/13/23 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 21:19	1
Arsenic	**0.0491**	**J**	0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 21:19	1
Barium	**0.623**		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 21:19	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 21:19	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 21:19	1
Chromium	**0.0135**	**J**	0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 21:19	1
Cobalt	**0.00340**	**J**	0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 21:19	1
Copper	ND		0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 21:19	1
Lead	**0.00710**	**J**	0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 21:19	1
Molybdenum	ND		0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 21:19	1
Nickel	**0.00620**	**J**	0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 21:19	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 21:19	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 21:19	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 21:19	1
Vanadium	**0.0389**		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 21:19	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 21:19	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW33

Lab Sample ID: 570-163176-4
Matrix: Water
Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	213		5.00	2.18	mg/L			12/12/23 22:21	1
Total Dissolved Solids (SM 2540C)	1100		10.0	8.70	mg/L			12/09/23 12:38	1
Chloride (SM 4500 Cl- C)	273		10.0	2.98	mg/L			12/13/23 15:53	1

Client Sample ID: MW32

Lab Sample ID: 570-163176-5
Matrix: Water
Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.55		0.50	0.14	ug/L			12/14/23 10:04	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 10:04	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 10:04	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 10:04	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 10:04	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 10:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 10:04	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 10:04	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 10:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 10:04	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 10:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 10:04	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 10:04	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 10:04	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 10:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:04	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 10:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 10:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 10:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 10:04	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 10:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 10:04	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 10:04	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 10:04	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 10:04	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 10:04	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 10:04	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 10:04	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 10:04	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 10:04	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 10:04	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 10:04	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 10:04	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 10:04	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 10:04	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 10:04	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 10:04	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 10:04	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 10:04	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW32

Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 10:04	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 10:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 10:04	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 10:04	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 10:04	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 10:04	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 10:04	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 10:04	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 10:04	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 10:04	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 10:04	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 10:04	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 10:04	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 10:04	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 10:04	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 10:04	1
2-Hexanone	**6.2**		6.0	2.0	ug/L			12/14/23 10:04	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 10:04	1
n-Butylbenzene	**0.24**	**J**	0.50	0.24	ug/L			12/14/23 10:04	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 10:04	1
p-Isopropyltoluene	**1.3**		0.50	0.20	ug/L			12/14/23 10:04	1
sec-Butylbenzene	**1.7**		0.50	0.20	ug/L			12/14/23 10:04	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 10:04	1
tert-Butylbenzene	**1.4**		0.50	0.21	ug/L			12/14/23 10:04	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 10:04	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 10:04	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 10:04	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 132*		*12/14/23 10:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*		*12/14/23 10:04*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/14/23 10:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/14/23 10:04*	*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		12/07/23 05:58	12/08/23 03:12	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/07/23 05:58	12/08/23 03:12	1
Anthracene	ND		0.19	0.056	ug/L		12/07/23 05:58	12/08/23 03:12	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/07/23 05:58	12/08/23 03:12	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/07/23 05:58	12/08/23 03:12	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 05:58	12/08/23 03:12	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		12/07/23 05:58	12/08/23 03:12	1
Benzo[k]fluoranthene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 03:12	1
Chrysene	ND		0.19	0.056	ug/L		12/07/23 05:58	12/08/23 03:12	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 05:58	12/08/23 03:12	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 05:58	12/08/23 03:12	1
Fluorene	**0.30**		0.19	0.071	ug/L		12/07/23 05:58	12/08/23 03:12	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 05:58	12/08/23 03:12	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW32

Lab Sample ID: 570-163176-5
Matrix: Water
Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.19	0.069	ug/L		12/07/23 05:58	12/08/23 03:12	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/07/23 05:58	12/08/23 03:12	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 05:58	12/08/23 03:12	1
Phenanthrene	ND		0.19	0.069	ug/L		12/07/23 05:58	12/08/23 03:12	1
Pyrene	ND		0.19	0.063	ug/L		12/07/23 05:58	12/08/23 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*12/07/23 05:58*	*12/08/23 03:12*	*1*
Nitrobenzene-d5 (Surr)	*66*		*28 - 139*	*12/07/23 05:58*	*12/08/23 03:12*	*1*
p-Terphenyl-d14 (Surr)	*65*		*23 - 160*	*12/07/23 05:58*	*12/08/23 03:12*	*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		12/12/23 11:41	12/13/23 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 21:21	1
Arsenic	**0.0214**	**J**	0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 21:21	1
Barium	**0.290**		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 21:21	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 21:21	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 21:21	1
Chromium	ND		0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 21:21	1
Cobalt	**0.00290**	**J**	0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 21:21	1
Copper	ND		0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 21:21	1
Lead	ND		0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 21:21	1
Molybdenum	ND		0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 21:21	1
Nickel	ND		0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 21:21	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 21:21	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 21:21	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 21:21	1
Vanadium	ND		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 21:21	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 21:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**476**		5.00	2.18	mg/L			12/12/23 22:27	1
Total Dissolved Solids (SM 2540C)	**665**		10.0	8.70	mg/L			12/09/23 12:38	1
Chloride (SM 4500 Cl- C)	**36.7**		2.00	0.596	mg/L			12/13/23 15:53	1

Client Sample ID: Trip Blank

Lab Sample ID: 570-163176-6
Matrix: Water
Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

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			12/14/23 09:13	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 09:13	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 09:13	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 09:13	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: Trip Blank

Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 09:13	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 09:13	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 09:13	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 09:13	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 09:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 09:13	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 09:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 09:13	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 09:13	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 09:13	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 09:13	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 09:13	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 09:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 09:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 09:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 09:13	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 09:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 09:13	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 09:13	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 09:13	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 09:13	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 09:13	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 09:13	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 09:13	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 09:13	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 09:13	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 09:13	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 09:13	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 09:13	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 09:13	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 09:13	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 09:13	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 09:13	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 09:13	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 09:13	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 09:13	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 09:13	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 09:13	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 09:13	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 09:13	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 09:13	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 09:13	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 09:13	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 09:13	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 09:13	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 09:13	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 09:13	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 09:13	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 09:13	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: Trip Blank

Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 09:13	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 09:13	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 09:13	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 09:13	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 09:13	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 09:13	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 09:13	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/14/23 09:13	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 09:13	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 09:13	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 09:13	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 09:13	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 09:13	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*12/14/23 09:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*12/14/23 09:13*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*12/14/23 09:13*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/14/23 09:13*	*1*

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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)
570-163176-1	MW36	98	104	96	102
570-163176-2	MW35	97	101	95	97
570-163176-3	MW34	96	103	95	102
570-163176-4	MW33	98	99	98	97
570-163176-5	MW32	95	104	98	102
570-163176-6	Trip Blank	101	101	97	98
LCS 570-392388/3	Lab Control Sample	103	104	99	102
LCS 570-392545/5	Lab Control Sample	99	104	95	102
LCSD 570-392388/4	Lab Control Sample Dup	104	103	98	101
LCSD 570-392545/6	Lab Control Sample Dup	98	103	96	100
MB 570-392388/6	Method Blank	103	103	101	99
MB 570-392545/8	Method Blank	98	100	97	100

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)
570-163176-1	MW36	57	60	59
570-163176-2	MW35	56	59	64
570-163176-3	MW34	49	55	65
570-163176-4	MW33	49	53	59
570-163176-5	MW32	53	66	65
LCS 570-390199/2-A	Lab Control Sample	71	76	70
LCSD 570-390199/3-A	Lab Control Sample Dup	69	74	66
MB 570-390199/1-A	Method Blank	39	41	58

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-392388/6
Matrix: Water
Analysis Batch: 392388

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			12/13/23 19:49	1
Toluene	ND		0.50	0.14	ug/L			12/13/23 19:49	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/13/23 19:49	1
o-Xylene	ND		0.50	0.18	ug/L			12/13/23 19:49	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/13/23 19:49	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/13/23 19:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/13/23 19:49	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/13/23 19:49	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/13/23 19:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/13/23 19:49	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/13/23 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/13/23 19:49	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/13/23 19:49	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/13/23 19:49	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/13/23 19:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 19:49	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/13/23 19:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/13/23 19:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/13/23 19:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/13/23 19:49	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/13/23 19:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/13/23 19:49	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/13/23 19:49	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/13/23 19:49	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/13/23 19:49	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/13/23 19:49	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/13/23 19:49	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/13/23 19:49	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/13/23 19:49	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/13/23 19:49	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/13/23 19:49	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/13/23 19:49	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/13/23 19:49	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/13/23 19:49	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/13/23 19:49	1
Acetone	ND		8.0	3.6	ug/L			12/13/23 19:49	1
Bromobenzene	ND		0.50	0.14	ug/L			12/13/23 19:49	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/13/23 19:49	1
Bromoform	ND		0.50	0.28	ug/L			12/13/23 19:49	1
Bromomethane	ND		2.0	1.9	ug/L			12/13/23 19:49	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/13/23 19:49	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/13/23 19:49	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/13/23 19:49	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/13/23 19:49	1
Chloroethane	ND		0.50	0.38	ug/L			12/13/23 19:49	1
Chloroform	ND		0.50	0.17	ug/L			12/13/23 19:49	1
Chloromethane	ND		1.0	0.65	ug/L			12/13/23 19:49	1
Dibromomethane	ND		0.50	0.16	ug/L			12/13/23 19:49	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-392388/6
Matrix: Water
Analysis Batch: 392388

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			12/13/23 19:49	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/13/23 19:49	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/13/23 19:49	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/13/23 19:49	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/13/23 19:49	1
2-Butanone	ND		5.0	2.9	ug/L			12/13/23 19:49	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/13/23 19:49	1
2-Hexanone	ND		6.0	2.0	ug/L			12/13/23 19:49	1
Naphthalene	ND		1.0	0.55	ug/L			12/13/23 19:49	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/13/23 19:49	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/13/23 19:49	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/13/23 19:49	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/13/23 19:49	1
Styrene	ND		0.50	0.27	ug/L			12/13/23 19:49	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/13/23 19:49	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/13/23 19:49	1
Trichloroethene	ND		0.50	0.15	ug/L			12/13/23 19:49	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/13/23 19:49	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/13/23 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*12/13/23 19:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 120*		*12/13/23 19:49*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/13/23 19:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/13/23 19:49*	*1*

Lab Sample ID: LCS 570-392388/3
Matrix: Water
Analysis Batch: 392388

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	10.02		ug/L		100	80 - 120
Toluene	10.0	9.971		ug/L		100	80 - 120
Ethylbenzene	10.0	10.08		ug/L		101	80 - 126
o-Xylene	10.0	9.941		ug/L		99	80 - 124
m,p-Xylene	20.0	21.18		ug/L		106	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.781		ug/L		98	69 - 128
1,1-Dichloroethene	10.0	9.379		ug/L		94	80 - 126
1,2-Dichlorobenzene	10.0	9.992		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	9.358		ug/L		94	76 - 130
Carbon tetrachloride	10.0	7.961		ug/L		80	61 - 139
Chlorobenzene	10.0	9.486		ug/L		95	80 - 120
1,2-Dibromoethane	10.0	9.228		ug/L		92	80 - 125
Hexachloro-1,3-butadiene	10.0	10.18		ug/L		102	80 - 123
Trichloroethene	10.0	10.15		ug/L		101	77 - 124
Vinyl chloride	10.0	9.653		ug/L		97	50 - 160

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: LCS 570-392388/3
Matrix: Water
Analysis Batch: 392388

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)	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-392388/4
Matrix: Water
Analysis Batch: 392388

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	9.364		ug/L		94	80 - 120	7	20
Toluene			10.0	9.251		ug/L		93	80 - 120	7	20
Ethylbenzene			10.0	9.551		ug/L		96	80 - 126	5	20
o-Xylene			10.0	9.458		ug/L		95	80 - 124	5	20
m,p-Xylene			20.0	19.49		ug/L		97	80 - 123	8	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.809		ug/L		98	69 - 128	0	20
1,1-Dichloroethene			10.0	9.250		ug/L		92	80 - 126	1	21
1,2-Dichlorobenzene			10.0	9.712		ug/L		97	80 - 120	3	20
1,2-Dichloroethane			10.0	8.962		ug/L		90	76 - 130	4	20
Carbon tetrachloride			10.0	7.855		ug/L		79	61 - 139	1	20
Chlorobenzene			10.0	9.173		ug/L		92	80 - 120	3	20
1,2-Dibromoethane			10.0	9.192		ug/L		92	80 - 125	0	20
Hexachloro-1,3-butadiene			10.0	10.20		ug/L		102	80 - 123	0	20
Trichloroethene			10.0	9.662		ug/L		97	77 - 124	5	20
Vinyl chloride			10.0	9.343		ug/L		93	50 - 160	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*
4-Bromofluorobenzene (Surr)	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 570-392545/8
Matrix: Water
Analysis Batch: 392545

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			12/14/23 08:48	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 08:48	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 08:48	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 08:48	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 08:48	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 08:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 08:48	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 08:48	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 08:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 08:48	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 08:48	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-392545/8
Matrix: Water
Analysis Batch: 392545

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			12/14/23 08:48	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 08:48	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 08:48	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 08:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 08:48	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 08:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 08:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 08:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 08:48	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 08:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 08:48	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 08:48	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 08:48	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 08:48	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 08:48	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 08:48	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 08:48	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 08:48	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 08:48	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 08:48	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 08:48	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 08:48	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 08:48	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 08:48	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 08:48	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 08:48	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 08:48	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 08:48	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 08:48	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 08:48	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 08:48	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 08:48	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 08:48	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 08:48	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 08:48	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 08:48	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 08:48	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 08:48	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 08:48	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 08:48	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 08:48	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 08:48	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 08:48	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 08:48	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 08:48	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 08:48	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 08:48	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 08:48	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 08:48	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-392545/8
Matrix: Water
Analysis Batch: 392545

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			12/14/23 08:48	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 08:48	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 08:48	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 08:48	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 08:48	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 08:48	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 08:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*		*12/14/23 08:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*		*12/14/23 08:48*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*12/14/23 08:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/14/23 08:48*	*1*

Lab Sample ID: LCS 570-392545/5
Matrix: Water
Analysis Batch: 392545

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	10.20		ug/L		102	80 - 120
Toluene	10.0	9.890		ug/L		99	80 - 120
Ethylbenzene	10.0	10.19		ug/L		102	80 - 126
o-Xylene	10.0	10.11		ug/L		101	80 - 124
m,p-Xylene	20.0	21.59		ug/L		108	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.189		ug/L		92	69 - 128
1,1-Dichloroethene	10.0	9.627		ug/L		96	80 - 126
1,2-Dichlorobenzene	10.0	10.02		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	9.247		ug/L		92	76 - 130
Carbon tetrachloride	10.0	8.381		ug/L		84	61 - 139
Chlorobenzene	10.0	9.580		ug/L		96	80 - 120
1,2-Dibromoethane	10.0	8.667		ug/L		87	80 - 125
Hexachloro-1,3-butadiene	10.0	10.58		ug/L		106	80 - 123
Trichloroethene	10.0	10.31		ug/L		103	77 - 124
Vinyl chloride	10.0	9.867		ug/L		99	50 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-392545/6
Matrix: Water
Analysis Batch: 392545

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	9.973		ug/L		100	80 - 120	2	20
Toluene	10.0	9.756		ug/L		98	80 - 120	1	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: LCSD 570-392545/6
Matrix: Water
Analysis Batch: 392545

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	10.07		ug/L		101	80 - 126	1	20
o-Xylene			10.0	9.936		ug/L		99	80 - 124	2	20
m,p-Xylene			20.0	21.06		ug/L		105	80 - 123	2	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.087		ug/L		91	69 - 128	1	20
1,1-Dichloroethene			10.0	9.408		ug/L		94	80 - 126	2	21
1,2-Dichlorobenzene			10.0	10.14		ug/L		101	80 - 120	1	20
1,2-Dichloroethane			10.0	8.872		ug/L		89	76 - 130	4	20
Carbon tetrachloride			10.0	8.252		ug/L		83	61 - 139	2	20
Chlorobenzene			10.0	9.435		ug/L		94	80 - 120	2	20
1,2-Dibromoethane			10.0	8.764		ug/L		88	80 - 125	1	20
Hexachloro-1,3-butadiene			10.0	10.64		ug/L		106	80 - 123	1	20
Trichloroethene			10.0	10.08		ug/L		101	77 - 124	2	20
Vinyl chloride			10.0	9.509		ug/L		95	50 - 160	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*
4-Bromofluorobenzene (Surr)	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 570-390199/1-A
Matrix: Water
Analysis Batch: 390553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/07/23 05:58	12/08/23 00:50	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/07/23 05:58	12/08/23 00:50	1
Anthracene	ND		0.20	0.059	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[b]fluoranthene	ND		0.20	0.18	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/07/23 05:58	12/08/23 00:50	1
Chrysene	ND		0.20	0.059	ug/L		12/07/23 05:58	12/08/23 00:50	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/07/23 05:58	12/08/23 00:50	1
Fluoranthene	ND		0.20	0.14	ug/L		12/07/23 05:58	12/08/23 00:50	1
Fluorene	ND		0.20	0.075	ug/L		12/07/23 05:58	12/08/23 00:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/07/23 05:58	12/08/23 00:50	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/07/23 05:58	12/08/23 00:50	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/07/23 05:58	12/08/23 00:50	1
Naphthalene	ND		0.20	0.15	ug/L		12/07/23 05:58	12/08/23 00:50	1
Phenanthrene	ND		0.20	0.073	ug/L		12/07/23 05:58	12/08/23 00:50	1
Pyrene	ND		0.20	0.066	ug/L		12/07/23 05:58	12/08/23 00:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*33 - 144*	*12/07/23 05:58*	*12/08/23 00:50*	*1*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-390199/1-A
Matrix: Water
Analysis Batch: 390553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390199

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	41		28 - 139	12/07/23 05:58	12/08/23 00:50	1
p-Terphenyl-d14 (Surr)	58		23 - 160	12/07/23 05:58	12/08/23 00:50	1

Lab Sample ID: LCS 570-390199/2-A
Matrix: Water
Analysis Batch: 390690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.381		ug/L		69	55 - 121
Acenaphthylene	2.00	1.523		ug/L		76	33 - 145
Anthracene	2.00	1.340		ug/L		67	27 - 133
Benzo[a]anthracene	2.00	1.415		ug/L		71	33 - 143
Benzo[a]pyrene	2.00	1.168		ug/L		58	17 - 163
Benzo[b]fluoranthene	2.00	1.263		ug/L		63	24 - 159
Benzo[g,h,i]perylene	2.00	1.150		ug/L		57	25 - 157
Benzo[k]fluoranthene	2.00	1.387		ug/L		69	24 - 159
Chrysene	2.00	1.454		ug/L		73	17 - 168
Dibenz(a,h)anthracene	2.00	1.204		ug/L		60	25 - 175
Fluoranthene	2.00	1.492		ug/L		75	26 - 137
Fluorene	2.00	1.463		ug/L		73	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.167		ug/L		58	25 - 175
1-Methylnaphthalene	2.00	1.564		ug/L		78	20 - 140
2-Methylnaphthalene	2.00	1.560		ug/L		78	21 - 140
Naphthalene	2.00	1.466		ug/L		73	21 - 133
Phenanthrene	2.00	1.377		ug/L		69	54 - 120
Pyrene	2.00	1.360		ug/L		68	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		33 - 144
Nitrobenzene-d5 (Surr)	76		28 - 139
p-Terphenyl-d14 (Surr)	70		23 - 160

Lab Sample ID: LCSD 570-390199/3-A
Matrix: Water
Analysis Batch: 390690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 390199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.358		ug/L		68	55 - 121	2	25
Acenaphthylene	2.00	1.473		ug/L		74	33 - 145	3	25
Anthracene	2.00	1.270		ug/L		64	27 - 133	5	25
Benzo[a]anthracene	2.00	1.319		ug/L		66	33 - 143	7	25
Benzo[a]pyrene	2.00	1.087		ug/L		54	17 - 163	7	25
Benzo[b]fluoranthene	2.00	1.181		ug/L		59	24 - 159	7	25
Benzo[g,h,i]perylene	2.00	1.117		ug/L		56	25 - 157	3	25
Benzo[k]fluoranthene	2.00	1.280		ug/L		64	24 - 159	8	25
Chrysene	2.00	1.411		ug/L		71	17 - 168	3	25
Dibenz(a,h)anthracene	2.00	1.135		ug/L		57	25 - 175	6	25
Fluoranthene	2.00	1.379		ug/L		69	26 - 137	8	25

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: LCSD 570-390199/3-A
Matrix: Water
Analysis Batch: 390690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 390199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene			2.00	1.400		ug/L		70	59 - 121	4	25
Indeno[1,2,3-cd]pyrene			2.00	1.099		ug/L		55	25 - 175	6	25
1-Methylnaphthalene			2.00	1.525		ug/L		76	20 - 140	3	25
2-Methylnaphthalene			2.00	1.516		ug/L		76	21 - 140	3	25
Naphthalene			2.00	1.464		ug/L		73	21 - 133	0	25
Phenanthrene			2.00	1.347		ug/L		67	54 - 120	2	25
Pyrene			2.00	1.295		ug/L		65	45 - 129	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*33 - 144*
Nitrobenzene-d5 (Surr)	*74*		*28 - 139*
p-Terphenyl-d14 (Surr)	*66*		*23 - 160*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 570-392527/5
Matrix: Water
Analysis Batch: 392527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.041	mg/L			12/14/23 03:20	1
Sulfate	ND		1.0	0.24	mg/L			12/14/23 03:20	1

Lab Sample ID: LCS 570-392527/6
Matrix: Water
Analysis Batch: 392527

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			5.00	4.871		mg/L		97	80 - 120		
Sulfate			50.0	49.80		mg/L		100	80 - 120		

Lab Sample ID: LCSD 570-392527/7
Matrix: Water
Analysis Batch: 392527

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
Bromide			5.00	4.815		mg/L		96	80 - 120	1	15
Sulfate			50.0	49.86		mg/L		100	80 - 120	0	15

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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		
Bromide	0.39		5.00	5.378		mg/L		100	80 - 120		
Sulfate	3.5		50.0	55.03		mg/L		103	80 - 120		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide	0.39		5.00	5.363		mg/L		99	80 - 120	0	15
Sulfate	3.5		50.0	55.30		mg/L		104	80 - 120	0	15

Method: 9056A - Anions, Ion Chromatography - DL

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	5.011		mg/L		100	80 - 120
Sulfate - DL	4.7	J	50.0	49.33		mg/L		89	80 - 120

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	4.786		mg/L		96	80 - 120	5	15
Sulfate - DL	4.7	J	50.0	50.12		mg/L		91	80 - 120	2	15

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-391800/1-A
Matrix: Water
Analysis Batch: 392434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		12/12/23 11:41	12/13/23 16:51	1

Lab Sample ID: LCS 570-391800/2-A
Matrix: Water
Analysis Batch: 392434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00800	0.008796		mg/L		110	85 - 115

Lab Sample ID: LCSD 570-391800/3-A
Matrix: Water
Analysis Batch: 392434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 391800

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00800	0.009046		mg/L		113	85 - 115	3	10

Lab Sample ID: 570-162826-F-1-F MS
Matrix: Water
Analysis Batch: 392434

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 391800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00800	0.008799		mg/L		110	85 - 115

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 570-162826-F-1-G MSD
Matrix: Water
Analysis Batch: 392434

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 391800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.008954		mg/L		112	85 - 115	2	10

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-163087-B-1-B MS
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 390203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.500	0.5393		mg/L		108	72 - 132
Arsenic	ND		0.500	0.5110		mg/L		102	80 - 140
Barium	0.0368		0.500	0.5268		mg/L		98	87 - 123
Beryllium	ND		0.500	0.4962		mg/L		99	89 - 119
Cadmium	ND		0.500	0.4800		mg/L		96	82 - 124
Chromium	ND		0.500	0.5015		mg/L		100	86 - 122
Cobalt	ND		0.500	0.4878		mg/L		98	83 - 125
Copper	ND		0.500	0.5112		mg/L		102	78 - 126
Lead	ND		0.500	0.4847		mg/L		97	84 - 120
Molybdenum	ND		0.500	0.5141		mg/L		103	78 - 126
Nickel	ND		0.500	0.4813		mg/L		96	84 - 120
Selenium	ND		0.500	0.4761		mg/L		95	79 - 127
Silver	ND		0.250	0.2461		mg/L		98	86 - 128
Thallium	ND		0.500	0.4950		mg/L		99	79 - 121
Vanadium	ND		0.500	0.5074		mg/L		101	88 - 118
Zinc	ND		0.500	0.4848		mg/L		97	89 - 131

Lab Sample ID: 570-163087-B-1-C MSD
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 390203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.500	0.5353		mg/L		107	72 - 132	1	10
Arsenic	ND		0.500	0.5058		mg/L		101	80 - 140	1	11
Barium	0.0368		0.500	0.5188		mg/L		96	87 - 123	2	6
Beryllium	ND		0.500	0.4895		mg/L		98	89 - 119	1	8
Cadmium	ND		0.500	0.4740		mg/L		95	82 - 124	1	7
Chromium	ND		0.500	0.4943		mg/L		99	86 - 122	1	8
Cobalt	ND		0.500	0.4805		mg/L		96	83 - 125	2	7
Copper	ND		0.500	0.5036		mg/L		101	78 - 126	1	7
Lead	ND		0.500	0.4774		mg/L		95	84 - 120	2	7
Molybdenum	ND		0.500	0.5151		mg/L		103	78 - 126	0	7
Nickel	ND		0.500	0.4760		mg/L		95	84 - 120	1	7
Selenium	ND		0.500	0.4671		mg/L		93	79 - 127	2	9
Silver	ND		0.250	0.2428		mg/L		97	86 - 128	1	7
Thallium	ND		0.500	0.4876		mg/L		98	79 - 121	2	8
Vanadium	ND		0.500	0.5003		mg/L		100	88 - 118	1	7
Zinc	ND		0.500	0.4794		mg/L		96	89 - 131	1	8

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: MB 570-390203/1-A
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 390203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.100	0.0255	mg/L		12/07/23 06:52	12/11/23 20:38	1
Arsenic	ND		0.100	0.0199	mg/L		12/07/23 06:52	12/11/23 20:38	1
Barium	ND		0.0100	0.00111	mg/L		12/07/23 06:52	12/11/23 20:38	1
Beryllium	ND		0.0100	0.00127	mg/L		12/07/23 06:52	12/11/23 20:38	1
Cadmium	ND		0.0100	0.000620	mg/L		12/07/23 06:52	12/11/23 20:38	1
Chromium	ND		0.0500	0.00296	mg/L		12/07/23 06:52	12/11/23 20:38	1
Cobalt	ND		0.0500	0.000880	mg/L		12/07/23 06:52	12/11/23 20:38	1
Copper	ND		0.0500	0.00269	mg/L		12/07/23 06:52	12/11/23 20:38	1
Lead	ND		0.0500	0.00527	mg/L		12/07/23 06:52	12/11/23 20:38	1
Molybdenum	ND		0.0500	0.00391	mg/L		12/07/23 06:52	12/11/23 20:38	1
Nickel	ND		0.0500	0.00307	mg/L		12/07/23 06:52	12/11/23 20:38	1
Selenium	ND		0.0500	0.0162	mg/L		12/07/23 06:52	12/11/23 20:38	1
Silver	ND		0.0100	0.00259	mg/L		12/07/23 06:52	12/11/23 20:38	1
Thallium	ND		0.0500	0.00996	mg/L		12/07/23 06:52	12/11/23 20:38	1
Vanadium	ND		0.0100	0.00239	mg/L		12/07/23 06:52	12/11/23 20:38	1
Zinc	ND		0.250	0.0133	mg/L		12/07/23 06:52	12/11/23 20:38	1

Lab Sample ID: LCS 570-390203/2-A
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 390203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.5371		mg/L		107	80 - 120
Arsenic	0.500	0.4870		mg/L		97	80 - 120
Barium	0.500	0.4915		mg/L		98	80 - 120
Beryllium	0.500	0.4860		mg/L		97	80 - 120
Cadmium	0.500	0.4885		mg/L		98	80 - 120
Chromium	0.500	0.4973		mg/L		99	80 - 120
Cobalt	0.500	0.4938		mg/L		99	80 - 120
Copper	0.500	0.4892		mg/L		98	80 - 120
Lead	0.500	0.4911		mg/L		98	80 - 120
Molybdenum	0.500	0.5022		mg/L		100	80 - 120
Nickel	0.500	0.4972		mg/L		99	80 - 120
Selenium	0.500	0.4594		mg/L		92	80 - 120
Silver	0.250	0.2439		mg/L		98	80 - 120
Thallium	0.500	0.5020		mg/L		100	80 - 120
Vanadium	0.500	0.4933		mg/L		99	80 - 120
Zinc	0.500	0.4870		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-390203/3-A
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 390203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.500	0.5171		mg/L		103	80 - 120	4	20
Arsenic	0.500	0.4707		mg/L		94	80 - 120	3	20
Barium	0.500	0.4759		mg/L		95	80 - 120	3	20
Beryllium	0.500	0.4700		mg/L		94	80 - 120	3	20
Cadmium	0.500	0.4730		mg/L		95	80 - 120	3	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: LCSD 570-390203/3-A
Matrix: Water
Analysis Batch: 391579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 390203

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			0.500	0.4809		mg/L		96	80 - 120	3	20
Cobalt			0.500	0.4763		mg/L		95	80 - 120	4	20
Copper			0.500	0.4727		mg/L		95	80 - 120	3	20
Lead			0.500	0.4763		mg/L		95	80 - 120	3	20
Molybdenum			0.500	0.4964		mg/L		99	80 - 120	1	20
Nickel			0.500	0.4786		mg/L		96	80 - 120	4	20
Selenium			0.500	0.4466		mg/L		89	80 - 120	3	20
Silver			0.250	0.2360		mg/L		94	80 - 120	3	20
Thallium			0.500	0.4865		mg/L		97	80 - 120	3	20
Vanadium			0.500	0.4771		mg/L		95	80 - 120	3	20
Zinc			0.500	0.4696		mg/L		94	80 - 120	4	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-392247/84
Matrix: Water
Analysis Batch: 392247

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			12/12/23 21:10	1

Lab Sample ID: LCS 570-392247/82
Matrix: Water
Analysis Batch: 392247

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	100.5		mg/L		95	78 - 110		

Lab Sample ID: LCSD 570-392247/83
Matrix: Water
Analysis Batch: 392247

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	93.97		mg/L		89	78 - 110	7	10

Lab Sample ID: 570-163276-B-1 DU
Matrix: Water
Analysis Batch: 392247

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)	149			153.0		mg/L				3	25

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

Lab Sample ID: MB 570-391102/1
Matrix: Water
Analysis Batch: 391102

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			12/09/23 12:38	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: LCS 570-391102/2
Matrix: Water
Analysis Batch: 391102

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	1038		mg/L		104	84 - 108

Lab Sample ID: LCSD 570-391102/3
Matrix: Water
Analysis Batch: 391102

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	1010		mg/L		101	84 - 108	3	10

Lab Sample ID: 570-163176-1 DU
Matrix: Water
Analysis Batch: 391102

Client Sample ID: MW36
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	938		959.0		mg/L		2	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-392386/1
Matrix: Water
Analysis Batch: 392386

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			12/13/23 15:52	1

Lab Sample ID: LCS 570-392386/2
Matrix: Water
Analysis Batch: 392386

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	100.2		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-392386/3
Matrix: Water
Analysis Batch: 392386

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	100.5		mg/L		100	80 - 120	0	10

Lab Sample ID: 570-163619-C-2 MS
Matrix: Water
Analysis Batch: 392386

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	661		1000	1657		mg/L		100	75 - 125

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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

Lab Sample ID: 570-163619-C-2 MSD
Matrix: Water
Analysis Batch: 392386

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	661		1000	1656		mg/L		99	75 - 125	0	15

Lab Sample ID: 570-163619-C-2 DU
Matrix: Water
Analysis Batch: 392386

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	661			667.5		mg/L				0.9	15

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

GC/MS VOA

Analysis Batch: 392388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	8260B	
570-163176-2	MW35	Total/NA	Water	8260B	
MB 570-392388/6	Method Blank	Total/NA	Water	8260B	
LCS 570-392388/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-392388/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 392545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-3	MW34	Total/NA	Water	8260B	
570-163176-4	MW33	Total/NA	Water	8260B	
570-163176-5	MW32	Total/NA	Water	8260B	
570-163176-6	Trip Blank	Total/NA	Water	8260B	
MB 570-392545/8	Method Blank	Total/NA	Water	8260B	
LCS 570-392545/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-392545/6	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 390199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	3510C	
570-163176-2	MW35	Total/NA	Water	3510C	
570-163176-3	MW34	Total/NA	Water	3510C	
570-163176-4	MW33	Total/NA	Water	3510C	
570-163176-5	MW32	Total/NA	Water	3510C	
MB 570-390199/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-390199/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-390199/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 390553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	8270C SIM	390199
570-163176-2	MW35	Total/NA	Water	8270C SIM	390199
570-163176-3	MW34	Total/NA	Water	8270C SIM	390199
570-163176-4	MW33	Total/NA	Water	8270C SIM	390199
570-163176-5	MW32	Total/NA	Water	8270C SIM	390199
MB 570-390199/1-A	Method Blank	Total/NA	Water	8270C SIM	390199

Analysis Batch: 390690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-390199/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	390199
LCSD 570-390199/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	390199

HPLC/IC

Analysis Batch: 392527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	9056A	
570-163176-2	MW35	Total/NA	Water	9056A	
570-163176-2 - DL	MW35	Total/NA	Water	9056A	
570-163176-3	MW34	Total/NA	Water	9056A	
570-163176-4	MW33	Total/NA	Water	9056A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

HPLC/IC (Continued)

Analysis Batch: 392527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-392527/5	Method Blank	Total/NA	Water	9056A	
LCS 570-392527/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 570-392527/7	Lab Control Sample Dup	Total/NA	Water	9056A	
570-163808-C-5 MS	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MS - DL	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
570-163808-C-5 MSD - DL	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 390203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total Recoverable	Water	3005A	
570-163176-2	MW35	Total Recoverable	Water	3005A	
570-163176-3	MW34	Total Recoverable	Water	3005A	
570-163176-4	MW33	Total Recoverable	Water	3005A	
570-163176-5	MW32	Total Recoverable	Water	3005A	
MB 570-390203/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-390203/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-390203/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163087-B-1-B MS	Matrix Spike	Total/NA	Water	3005A	
570-163087-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 391579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total Recoverable	Water	6010B	390203
570-163176-2	MW35	Total Recoverable	Water	6010B	390203
570-163176-3	MW34	Total Recoverable	Water	6010B	390203
570-163176-4	MW33	Total Recoverable	Water	6010B	390203
570-163176-5	MW32	Total Recoverable	Water	6010B	390203
MB 570-390203/1-A	Method Blank	Total Recoverable	Water	6010B	390203
LCS 570-390203/2-A	Lab Control Sample	Total Recoverable	Water	6010B	390203
LCSD 570-390203/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	390203
570-163087-B-1-B MS	Matrix Spike	Total/NA	Water	6010B	390203
570-163087-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	390203

Prep Batch: 391800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	245.1	
570-163176-2	MW35	Total/NA	Water	245.1	
570-163176-3	MW34	Total/NA	Water	245.1	
570-163176-4	MW33	Total/NA	Water	245.1	
570-163176-5	MW32	Total/NA	Water	245.1	
MB 570-391800/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-391800/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-391800/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-162826-F-1-F MS	Matrix Spike	Total/NA	Water	245.1	
570-162826-F-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Metals

Analysis Batch: 392434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	245.1	391800
570-163176-2	MW35	Total/NA	Water	245.1	391800
570-163176-3	MW34	Total/NA	Water	245.1	391800
570-163176-4	MW33	Total/NA	Water	245.1	391800
570-163176-5	MW32	Total/NA	Water	245.1	391800
MB 570-391800/1-A	Method Blank	Total/NA	Water	245.1	391800
LCS 570-391800/2-A	Lab Control Sample	Total/NA	Water	245.1	391800
LCSD 570-391800/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	391800
570-162826-F-1-F MS	Matrix Spike	Total/NA	Water	245.1	391800
570-162826-F-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	391800

General Chemistry

Analysis Batch: 391102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	SM 2540C	
570-163176-2	MW35	Total/NA	Water	SM 2540C	
570-163176-3	MW34	Total/NA	Water	SM 2540C	
570-163176-4	MW33	Total/NA	Water	SM 2540C	
570-163176-5	MW32	Total/NA	Water	SM 2540C	
MB 570-391102/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-391102/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-391102/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-163176-1 DU	MW36	Total/NA	Water	SM 2540C	

Analysis Batch: 392247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	SM 2320B	
570-163176-2	MW35	Total/NA	Water	SM 2320B	
570-163176-3	MW34	Total/NA	Water	SM 2320B	
570-163176-4	MW33	Total/NA	Water	SM 2320B	
570-163176-5	MW32	Total/NA	Water	SM 2320B	
MB 570-392247/84	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-392247/82	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-392247/83	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-163276-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 392386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163176-1	MW36	Total/NA	Water	SM 4500 Cl- C	
570-163176-2	MW35	Total/NA	Water	SM 4500 Cl- C	
570-163176-3	MW34	Total/NA	Water	SM 4500 Cl- C	
570-163176-4	MW33	Total/NA	Water	SM 4500 Cl- C	
570-163176-5	MW32	Total/NA	Water	SM 4500 Cl- C	
MB 570-392386/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-392386/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-392386/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW36

Date Collected: 12/05/23 12:30
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-1

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	392388	12/13/23 21:56	Y2DF	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1040.4 mL	2 mL	390199	12/07/23 05:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390553	12/08/23 01:51	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 17:24	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391800	12/12/23 11:41	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392434	12/13/23 17:07	CS5Z	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	390203	12/07/23 06:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			391579	12/11/23 21:12	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	392247	12/12/23 22:02	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391102	12/09/23 12:38	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	5 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW35

Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2

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	392388	12/13/23 22:22	Y2DF	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1035.9 mL	2 mL	390199	12/07/23 05:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390553	12/08/23 02:11	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 17:41	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Analysis	9056A	DL	10	4 mL	4 mL	392527	12/14/23 21:39	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391800	12/12/23 11:41	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392434	12/13/23 17:09	CS5Z	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	390203	12/07/23 06:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			391579	12/11/23 21:14	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	392247	12/12/23 22:09	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391102	12/09/23 12:38	ZL7L	EET CAL 4
	Instrument ID: BAL100									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW35

Date Collected: 12/05/23 11:15
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-2
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	SM 4500 Cl- C		1	5 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4

Client Sample ID: MW34

Date Collected: 12/05/23 14:00
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-3
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	392545	12/14/23 10:55	N5PD	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1043.5 mL	2 mL	390199	12/07/23 05:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390553	12/08/23 02:32	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 17:57	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391800	12/12/23 11:41	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392434	12/13/23 17:11	CS5Z	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	390203	12/07/23 06:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			391579	12/11/23 21:16	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	392247	12/12/23 22:15	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391102	12/09/23 12:38	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	20 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW33

Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-4
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	392545	12/14/23 10:29	N5PD	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1047.2 mL	2 mL	390199	12/07/23 05:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390553	12/08/23 02:52	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 18:16	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391800	12/12/23 11:41	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392434	12/13/23 17:13	CS5Z	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	390203	12/07/23 06:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			391579	12/11/23 21:19	VZ0K	EET CAL 4
	Instrument ID: ICP11									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

Client Sample ID: MW33
Date Collected: 12/05/23 13:10
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-4
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	SM 2320B		1	10 mL	10 mL	392247	12/12/23 22:21	ZL4M	EET CAL 4
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391102	12/09/23 12:38	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW32
Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-5
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	392545	12/14/23 10:04	N5PD	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1059 mL	2 mL	390199	12/07/23 05:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390553	12/08/23 03:12	ULLI	EET CAL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	391800	12/12/23 11:41	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392434	12/13/23 17:15	CS5Z	EET CAL 4
	Instrument ID: HG8									
Total Recoverable	Prep	3005A			50 mL	50 mL	390203	12/07/23 06:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			391579	12/11/23 21:21	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	392247	12/12/23 22:27	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391102	12/09/23 12:38	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: Trip Blank
Date Collected: 12/05/23 14:45
Date Received: 12/06/23 10:00

Lab Sample ID: 570-163176-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	392545	12/14/23 09:13	N5PD	EET CAL 4
	Instrument ID: GCMSL									

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 570-163176-1
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	02-02-24

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: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-163176-1

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
9056A	Anions, Ion Chromatography	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

163176

1259

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

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Client Information	Sampler: Mark Lach	Lab PM: de Guia, Cecile	Carrier Tracking No(s):	COC No: 570-88187-18748.1
Client Contact: Mr. James Anderson	Phone:	E-Mail: Cecile.deGuia@et.eurofinsus.com	State of Origin:	Page: Page 1 of 13
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 4572 Telephone Road #916	Due Date Requested:			
City: Ventura	TAT Requested (days):			
State, Zip: CA, 93003	Compliance Project: Δ Yes Δ No			
Phone: 281-355-3653(Tel)	PO #: Gladiola Station/3612			
Email: james.anderson@stantec.com	WO #:			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site: California	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - (MOD) Volatile Organic Compounds	8270C_SIM_PAH - (MOD) SIM PAH w/Adds	6010B - (MOD) California Administrative Manual L	2320B; SM4500_CL_C	2540C_Calcd - Total Dissolved Solids	9056_ORGFM_28D - (MOD) Bromide and Sulfate	Total Number of containers	Special Instructions/Note:
	Preservation Code:							A	N	D	N	N	N		
1	MW# 36	12-5-23	12:30	G	Water			X	X	X	X	X	X		
2	35		11:15		Water										
3	34		14:00		Water										
4	33		13:10		Water										
5	32		14:45		Water								X		Remove 9056 From MW 32
6					Water										
7	Trip Blank	12-5-23	14:45	G	Water			X							
					Water										
					Water										
					Water										
					Water										

570-163176 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

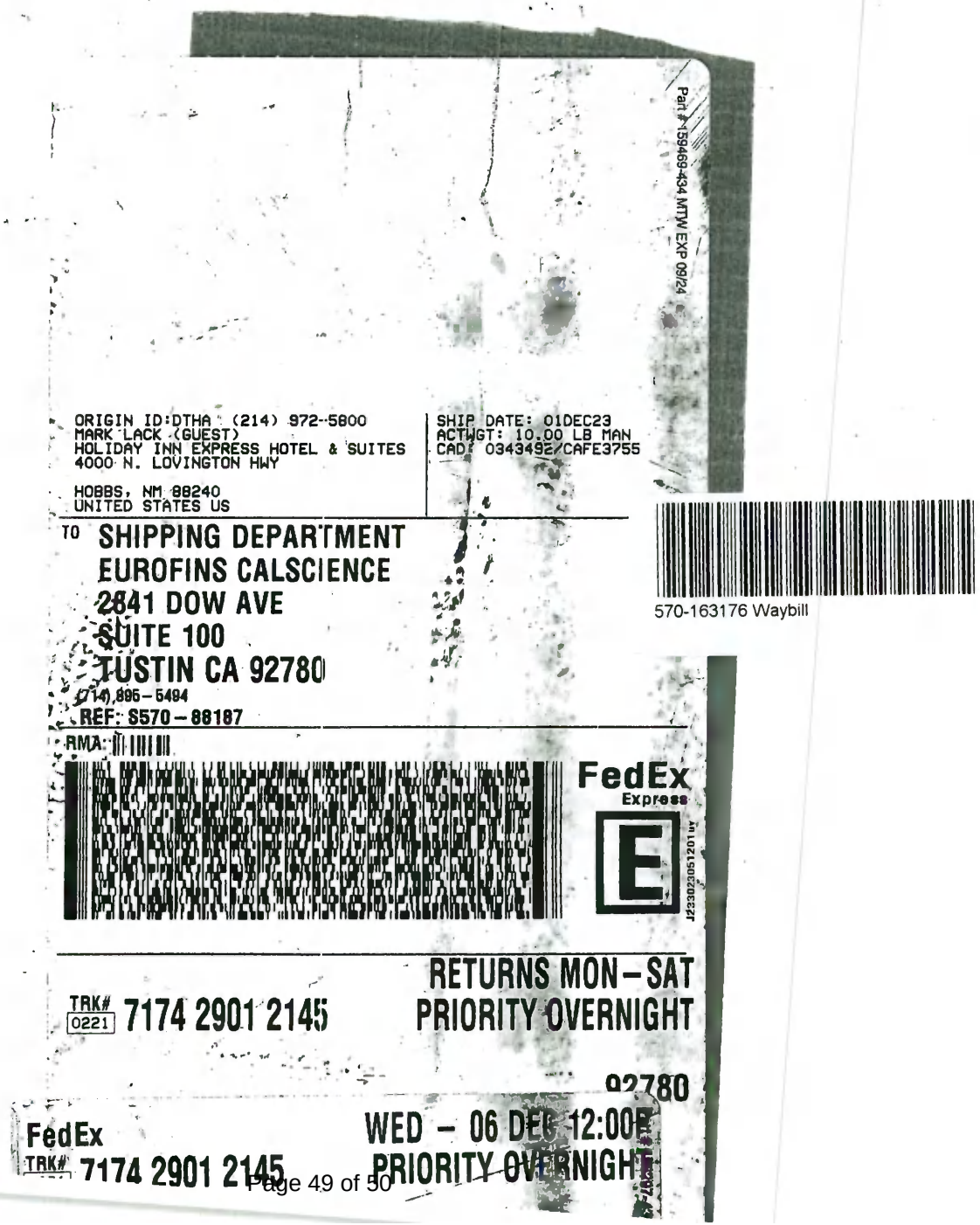
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mark Lach	12-5-23/1630	Stantec	Fedex	12-5-23 1630	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				12/6/23 10:00	E2
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: SCE 3.7/3.6

12/6/23

Ver: 06/08/2021


Part # 159469-434 MTW EXP 09/24
ORIGIN ID:DTHA (214) 972-5800
MARK LACK (GUEST)
HOLIDAY INN EXPRESS HOTEL & SUITES
4000 N. LOVINGTON HWY
HOBBS, NM 88240
UNITED STATES US
SHIP DATE: 01DEC23
ACTWGT: 10.00 LB MAN
CAD: 0343492/CAFE3755
TO SHIPPING DEPARTMENT
EUROFINS CALSCIENCE
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(714) 895-5494
REF: S570-88187
RMA:
570-163176 Waybill
FedEx
Express
RETURNS MON-SAT
PRIORITY OVERNIGHT
TRK# 0221 7174 2901 2145
92780
FedEx
TRK# 7174 2901 2145
WED - 06 DEC 12:00P
PRIORITY OVERNIGHT

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 570-163176-1

Login Number: 163176 **List Source: Eurofins Calscience**
List Number: 1
Creator: Gutierrez, Rebecca

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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/20/2023 8:11:36 AM

JOB DESCRIPTION

ExxonMobil Gladiola Station/238000257

JOB NUMBER

570-163531-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Released to Imaging: 12/16/2024 10:44:58 AM

my EOL

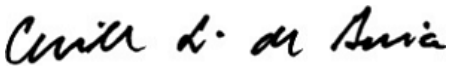
Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
12/20/2023 8:11:36 AM

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

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Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-163531-1	MW-11	Water	12/06/23 10:35	12/07/23 09:45
570-163531-2	MW-22	Water	12/06/23 10:05	12/07/23 09:45
570-163531-3	MW-28	Water	12/06/23 14:55	12/07/23 09:45
570-163531-4	MW-29	Water	12/06/23 14:20	12/07/23 09:45
570-163531-5	MW-30	Water	12/06/23 13:50	12/07/23 09:45
570-163531-6	MW-31	Water	12/06/23 11:35	12/07/23 09:45
570-163531-7	MW-37	Water	12/06/23 12:55	12/07/23 09:45
570-163531-8	MW-38	Water	12/06/23 12:20	12/07/23 09:45
570-163531-9	TB	Water	12/06/23 12:20	12/07/23 09:45

Released to Imaging: 12/16/2024 10:44:58 AM

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

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.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery 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.

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: Stantec Consulting Services Inc Job ID: 570-163531-1
Project: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1 Eurofins Calscience

Job Narrative
570-163531-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/7/2023 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 time was 3.6°C

GC/MS VOA
Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-392765. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B_LL: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-11 (570-163531-1) and MW-22 (570-163531-2). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270C_SIM_PAH: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-390199 and 570-390199. 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.

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

Metals
Method 245.1: The initial calibration verification (ICV) result for batch 570-392504 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

Method 6010B: The post digestion spike % recovery for Silver associated with batch 570-392133 was outside of control limits. The associated sample is: (570-163531-G-1-A PDS).

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-391242 and analytical batch 570-392133 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6010B: The method blank for preparation batch 570-391242 and analytical batch 570-392133 contained Barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-11 — Lab Sample ID: 570-163531-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	1.3		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	90		2.0	0.47	mg/L	2		9056A	Total/NA
Barium	0.142	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.129	F1	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Calcium	125000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	45700		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	3760		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	168000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	383		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	383		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	968		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	159		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-22 — Lab Sample ID: 570-163531-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.71		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	82		2.0	0.47	mg/L	2		9056A	Total/NA
Mercury	0.000161	J	0.000200	0.000124	mg/L	1		245.1	Total/NA
Barium	0.378	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	107000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	46900		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	2740		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	77500		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	375		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	375		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	729		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	79.0		5.00	1.49	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 570-163531-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.39	J	0.50	0.14	ug/L	1		8260B	Total/NA
Bromide	0.32		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	170		2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0227	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.0454	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00730	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Calcium	83200		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	28900		100	15.1	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-28 (Continued) — Lab Sample ID: 570-163531-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2740		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	109000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	286		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	286		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	681		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	27.3		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-29 — Lab Sample ID: 570-163531-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.90		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	89		2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0233	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.476	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.00920	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Calcium	180000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	37200		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	3730		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	133000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	158		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	158		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1160		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	389		5.00	1.49	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-30 — Lab Sample ID: 570-163531-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.52		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate - DL	92		10	2.4	mg/L	10		9056A	Total/NA
Barium	0.119	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Chromium	0.0125	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Calcium	112000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	27400		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	2980		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	85200		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	163		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	163		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	747		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	188		5.00	1.49	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-31 Lab Sample ID: 570-163531-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.55		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate - DL	95		10	2.4	mg/L	10		9056A	Total/NA
Barium	0.0502	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	115000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	24500		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	2820		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	102000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	161		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	161		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	875		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	224		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-37 Lab Sample ID: 570-163531-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.78		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate - DL	370		10	2.4	mg/L	10		9056A	Total/NA
Barium	0.0454	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	150000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	38200		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	3290		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	146000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	154		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	154		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1210		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	179		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-38 Lab Sample ID: 570-163531-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.49		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate - DL	100		10	2.4	mg/L	10		9056A	Total/NA
Mercury	0.000469		0.000200	0.000124	mg/L	1		245.1	Total/NA
Barium	0.0428	B	0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	101000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	25100		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	2720		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	112000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	166		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	166		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	843		10.0	8.70	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-38 (Continued) — Lab Sample ID: 570-163531-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: TB — Lab Sample ID: 570-163531-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-11

Date Collected: 12/06/23 10:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.55	ug/L			12/15/23 03:49	4
Toluene	ND		2.0	0.57	ug/L			12/15/23 03:49	4
Ethylbenzene	ND		2.0	0.66	ug/L			12/15/23 03:49	4
o-Xylene	ND		2.0	0.72	ug/L			12/15/23 03:49	4
m,p-Xylene	ND		4.0	1.6	ug/L			12/15/23 03:49	4
Xylenes, Total	ND		4.0	1.6	ug/L			12/15/23 03:49	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.57	ug/L			12/15/23 03:49	4
1,1,1,2-Tetrachloroethane	ND		2.0	0.80	ug/L			12/15/23 03:49	4
1,1,1-Trichloroethane	ND		2.0	0.79	ug/L			12/15/23 03:49	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/L			12/15/23 03:49	4
1,1,2-Trichloroethane	ND		2.0	0.72	ug/L			12/15/23 03:49	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	1.0	ug/L			12/15/23 03:49	4
1,1-Dichloroethane	ND		2.0	0.85	ug/L			12/15/23 03:49	4
1,1-Dichloroethene	ND		2.0	0.84	ug/L			12/15/23 03:49	4
1,1-Dichloropropene	ND		2.0	0.65	ug/L			12/15/23 03:49	4
1,2,3-Trichlorobenzene	ND		2.0	1.0	ug/L			12/15/23 03:49	4
1,2,3-Trichloropropane	ND		2.0	1.2	ug/L			12/15/23 03:49	4
1,2,4-Trichlorobenzene	ND		2.0	1.0	ug/L			12/15/23 03:49	4
1,2,4-Trimethylbenzene	ND		2.0	0.90	ug/L			12/15/23 03:49	4
1,3,5-Trimethylbenzene	ND		2.0	0.74	ug/L			12/15/23 03:49	4
c-1,2-Dichloroethene	ND		2.0	0.62	ug/L			12/15/23 03:49	4
1,2-Dibromo-3-Chloropropane	ND		4.0	3.4	ug/L			12/15/23 03:49	4
1,2-Dichlorobenzene	ND		2.0	0.57	ug/L			12/15/23 03:49	4
1,2-Dichloroethane	ND		2.0	0.55	ug/L			12/15/23 03:49	4
1,2-Dichloropropane	ND		2.0	0.58	ug/L			12/15/23 03:49	4
t-1,2-Dichloroethene	ND		2.0	0.88	ug/L			12/15/23 03:49	4
c-1,3-Dichloropropene	ND		2.0	0.62	ug/L			12/15/23 03:49	4
1,3-Dichlorobenzene	ND		2.0	0.63	ug/L			12/15/23 03:49	4
1,3-Dichloropropane	ND		2.0	0.77	ug/L			12/15/23 03:49	4
t-1,3-Dichloropropene	ND		2.0	0.85	ug/L			12/15/23 03:49	4
1,4-Dichlorobenzene	ND		2.0	0.45	ug/L			12/15/23 03:49	4
2,2-Dichloropropane	ND		2.0	1.0	ug/L			12/15/23 03:49	4
2-Chlorotoluene	ND		2.0	0.92	ug/L			12/15/23 03:49	4
4-Chlorotoluene	ND		2.0	0.96	ug/L			12/15/23 03:49	4
4-Methyl-2-pentanone	ND		20	6.5	ug/L			12/15/23 03:49	4
Acetone	ND		32	14	ug/L			12/15/23 03:49	4
Bromobenzene	ND		2.0	0.56	ug/L			12/15/23 03:49	4
Bromochloromethane	ND		4.0	1.1	ug/L			12/15/23 03:49	4
Bromoform	ND		2.0	1.1	ug/L			12/15/23 03:49	4
Bromomethane	ND		8.0	7.5	ug/L			12/15/23 03:49	4
Carbon disulfide	ND		4.0	1.3	ug/L			12/15/23 03:49	4
Carbon tetrachloride	ND		2.0	1.1	ug/L			12/15/23 03:49	4
Chlorobenzene	ND		2.0	0.47	ug/L			12/15/23 03:49	4
Dibromochloromethane	ND		2.0	0.84	ug/L			12/15/23 03:49	4
Chloroethane	ND		2.0	1.5	ug/L			12/15/23 03:49	4
Chloroform	ND		2.0	0.68	ug/L			12/15/23 03:49	4
Chloromethane	ND		4.0	2.6	ug/L			12/15/23 03:49	4
Dibromomethane	ND		2.0	0.65	ug/L			12/15/23 03:49	4
Bromodichloromethane	ND		2.0	0.61	ug/L			12/15/23 03:49	4

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-11

Date Collected: 12/06/23 10:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.0	2.0	ug/L			12/15/23 03:49	4
1,2-Dibromoethane	ND		2.0	1.1	ug/L			12/15/23 03:49	4
Hexachloro-1,3-butadiene	ND		4.0	1.1	ug/L			12/15/23 03:49	4
Isopropylbenzene	ND		2.0	0.85	ug/L			12/15/23 03:49	4
2-Butanone	ND		20	11	ug/L			12/15/23 03:49	4
Methylene Chloride	ND		4.0	1.6	ug/L			12/15/23 03:49	4
2-Hexanone	ND		24	8.2	ug/L			12/15/23 03:49	4
Naphthalene	ND		4.0	2.2	ug/L			12/15/23 03:49	4
n-Butylbenzene	ND		2.0	0.97	ug/L			12/15/23 03:49	4
N-Propylbenzene	ND		2.0	0.70	ug/L			12/15/23 03:49	4
p-Isopropyltoluene	ND		2.0	0.80	ug/L			12/15/23 03:49	4
sec-Butylbenzene	ND		2.0	0.78	ug/L			12/15/23 03:49	4
Styrene	ND		2.0	1.1	ug/L			12/15/23 03:49	4
tert-Butylbenzene	ND		2.0	0.83	ug/L			12/15/23 03:49	4
Tetrachloroethene	ND		2.0	0.62	ug/L			12/15/23 03:49	4
Trichloroethene	ND		2.0	0.61	ug/L			12/15/23 03:49	4
Trichlorofluoromethane	ND		2.0	1.0	ug/L			12/15/23 03:49	4
Vinyl chloride	ND		2.0	0.90	ug/L			12/15/23 03:49	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 132*		*12/15/23 03:49*	*4*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*12/15/23 03:49*	*4*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*12/15/23 03:49*	*4*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/15/23 03:49*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/07/23 09:58	12/08/23 12:52	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/07/23 09:58	12/08/23 12:52	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 12:52	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/07/23 09:58	12/08/23 12:52	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 09:58	12/08/23 12:52	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 09:58	12/08/23 12:52	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/07/23 09:58	12/08/23 12:52	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 09:58	12/08/23 12:52	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 12:52	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 09:58	12/08/23 12:52	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 09:58	12/08/23 12:52	1
Fluorene	ND		0.19	0.072	ug/L		12/07/23 09:58	12/08/23 12:52	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 09:58	12/08/23 12:52	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 12:52	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		12/07/23 09:58	12/08/23 12:52	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 12:52	1
Phenanthrene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 12:52	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 09:58	12/08/23 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*33 - 144*	*12/07/23 09:58*	*12/08/23 12:52*	*1*
Nitrobenzene-d5 (Surr)	*55*		*28 - 139*	*12/07/23 09:58*	*12/08/23 12:52*	*1*
p-Terphenyl-d14 (Surr)	*69*		*23 - 160*	*12/07/23 09:58*	*12/08/23 12:52*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-11

Date Collected: 12/06/23 10:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-1
Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**1.3**		0.20	0.082	mg/L			12/14/23 18:33	2
Sulfate	**90**		2.0	0.47	mg/L			12/14/23 18:33	2

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		12/12/23 11:50	12/13/23 22:50	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		12/11/23 09:32	12/13/23 01:33	1
Barium	**0.142**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:33	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:33	1
Chromium	**0.129**	**F1**	0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:33	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:33	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:33	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:33	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**125000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:13	1
Magnesium	**45700**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:13	1
Potassium	**3760**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:13	1
Sodium	**168000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**383**		5.00	2.18	mg/L			12/14/23 18:35	1
Bicarbonate (as CaCO3) (SM 2320B)	**383**		5.00	2.18	mg/L			12/14/23 18:35	1
Total Dissolved Solids (SM 2540C)	**968**		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	**159**		10.0	2.98	mg/L			12/13/23 15:53	1

Client Sample ID: MW-22

Date Collected: 12/06/23 10:05
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-2
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			12/15/23 04:15	2
Toluene	ND		1.0	0.28	ug/L			12/15/23 04:15	2
Ethylbenzene	ND		1.0	0.33	ug/L			12/15/23 04:15	2
o-Xylene	ND		1.0	0.36	ug/L			12/15/23 04:15	2
m,p-Xylene	ND		2.0	0.79	ug/L			12/15/23 04:15	2
Xylenes, Total	ND		2.0	0.79	ug/L			12/15/23 04:15	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.28	ug/L			12/15/23 04:15	2
1,1,1,2-Tetrachloroethane	ND		1.0	0.40	ug/L			12/15/23 04:15	2
1,1,1-Trichloroethane	ND		1.0	0.40	ug/L			12/15/23 04:15	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.27	ug/L			12/15/23 04:15	2
1,1,2-Trichloroethane	ND		1.0	0.36	ug/L			12/15/23 04:15	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.50	ug/L			12/15/23 04:15	2

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-22

Date Collected: 12/06/23 10:05
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.42	ug/L			12/15/23 04:15	2
1,1-Dichloroethene	ND		1.0	0.42	ug/L			12/15/23 04:15	2
1,1-Dichloropropene	ND		1.0	0.32	ug/L			12/15/23 04:15	2
1,2,3-Trichlorobenzene	ND		1.0	0.52	ug/L			12/15/23 04:15	2
1,2,3-Trichloropropane	ND		1.0	0.62	ug/L			12/15/23 04:15	2
1,2,4-Trichlorobenzene	ND		1.0	0.52	ug/L			12/15/23 04:15	2
1,2,4-Trimethylbenzene	ND		1.0	0.45	ug/L			12/15/23 04:15	2
1,3,5-Trimethylbenzene	ND		1.0	0.37	ug/L			12/15/23 04:15	2
c-1,2-Dichloroethene	ND		1.0	0.31	ug/L			12/15/23 04:15	2
1,2-Dibromo-3-Chloropropane	ND		2.0	1.7	ug/L			12/15/23 04:15	2
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L			12/15/23 04:15	2
1,2-Dichloroethane	ND		1.0	0.27	ug/L			12/15/23 04:15	2
1,2-Dichloropropane	ND		1.0	0.29	ug/L			12/15/23 04:15	2
t-1,2-Dichloroethene	ND		1.0	0.44	ug/L			12/15/23 04:15	2
c-1,3-Dichloropropene	ND		1.0	0.31	ug/L			12/15/23 04:15	2
1,3-Dichlorobenzene	ND		1.0	0.32	ug/L			12/15/23 04:15	2
1,3-Dichloropropane	ND		1.0	0.38	ug/L			12/15/23 04:15	2
t-1,3-Dichloropropene	ND		1.0	0.42	ug/L			12/15/23 04:15	2
1,4-Dichlorobenzene	ND		1.0	0.23	ug/L			12/15/23 04:15	2
2,2-Dichloropropane	ND		1.0	0.51	ug/L			12/15/23 04:15	2
2-Chlorotoluene	ND		1.0	0.46	ug/L			12/15/23 04:15	2
4-Chlorotoluene	ND		1.0	0.48	ug/L			12/15/23 04:15	2
4-Methyl-2-pentanone	ND		10	3.3	ug/L			12/15/23 04:15	2
Acetone	ND		16	7.1	ug/L			12/15/23 04:15	2
Bromobenzene	ND		1.0	0.28	ug/L			12/15/23 04:15	2
Bromochloromethane	ND		2.0	0.55	ug/L			12/15/23 04:15	2
Bromoform	ND		1.0	0.57	ug/L			12/15/23 04:15	2
Bromomethane	ND		4.0	3.7	ug/L			12/15/23 04:15	2
Carbon disulfide	ND		2.0	0.65	ug/L			12/15/23 04:15	2
Carbon tetrachloride	ND		1.0	0.54	ug/L			12/15/23 04:15	2
Chlorobenzene	ND		1.0	0.24	ug/L			12/15/23 04:15	2
Dibromochloromethane	ND		1.0	0.42	ug/L			12/15/23 04:15	2
Chloroethane	ND		1.0	0.75	ug/L			12/15/23 04:15	2
Chloroform	ND		1.0	0.34	ug/L			12/15/23 04:15	2
Chloromethane	ND		2.0	1.3	ug/L			12/15/23 04:15	2
Dibromomethane	ND		1.0	0.32	ug/L			12/15/23 04:15	2
Bromodichloromethane	ND		1.0	0.31	ug/L			12/15/23 04:15	2
Dichlorodifluoromethane	ND		2.0	1.0	ug/L			12/15/23 04:15	2
1,2-Dibromoethane	ND		1.0	0.53	ug/L			12/15/23 04:15	2
Hexachloro-1,3-butadiene	ND		2.0	0.53	ug/L			12/15/23 04:15	2
Isopropylbenzene	ND		1.0	0.42	ug/L			12/15/23 04:15	2
2-Butanone	ND		10	5.7	ug/L			12/15/23 04:15	2
Methylene Chloride	ND		2.0	0.81	ug/L			12/15/23 04:15	2
2-Hexanone	ND		12	4.1	ug/L			12/15/23 04:15	2
Naphthalene	ND		2.0	1.1	ug/L			12/15/23 04:15	2
n-Butylbenzene	ND		1.0	0.48	ug/L			12/15/23 04:15	2
N-Propylbenzene	ND		1.0	0.35	ug/L			12/15/23 04:15	2
p-Isopropyltoluene	ND		1.0	0.40	ug/L			12/15/23 04:15	2
sec-Butylbenzene	ND		1.0	0.39	ug/L			12/15/23 04:15	2

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-22
Date Collected: 12/06/23 10:05
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.55	ug/L			12/15/23 04:15	2
tert-Butylbenzene	ND		1.0	0.41	ug/L			12/15/23 04:15	2
Tetrachloroethene	ND		1.0	0.31	ug/L			12/15/23 04:15	2
Trichloroethene	ND		1.0	0.31	ug/L			12/15/23 04:15	2
Trichlorofluoromethane	ND		1.0	0.52	ug/L			12/15/23 04:15	2
Vinyl chloride	ND		1.0	0.45	ug/L			12/15/23 04:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 132*		*12/15/23 04:15*	*2*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*		*12/15/23 04:15*	*2*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*12/15/23 04:15*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/15/23 04:15*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/07/23 09:58	12/08/23 13:15	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/07/23 09:58	12/08/23 13:15	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 13:15	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/07/23 09:58	12/08/23 13:15	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 09:58	12/08/23 13:15	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 09:58	12/08/23 13:15	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/07/23 09:58	12/08/23 13:15	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 09:58	12/08/23 13:15	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 13:15	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 09:58	12/08/23 13:15	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 09:58	12/08/23 13:15	1
Fluorene	ND		0.19	0.073	ug/L		12/07/23 09:58	12/08/23 13:15	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 09:58	12/08/23 13:15	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 13:15	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		12/07/23 09:58	12/08/23 13:15	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 13:15	1
Phenanthrene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 13:15	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 09:58	12/08/23 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*33 - 144*	*12/07/23 09:58*	*12/08/23 13:15*	*1*
Nitrobenzene-d5 (Surr)	*44*		*28 - 139*	*12/07/23 09:58*	*12/08/23 13:15*	*1*
p-Terphenyl-d14 (Surr)	*65*		*23 - 160*	*12/07/23 09:58*	*12/08/23 13:15*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.71**		0.20	0.082	mg/L			12/14/23 18:50	2
Sulfate	**82**		2.0	0.47	mg/L			12/14/23 18:50	2

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000161**	**J**	0.000200	0.000124	mg/L		12/12/23 11:50	12/13/23 17:23	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		12/11/23 09:32	12/13/23 01:47	1

Client Sample Results

Client: Stantec Consulting Services Inc Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-22 Lab Sample ID: 570-163531-2

Date Collected: 12/06/23 10:05 **Matrix: Water**
Date Received: 12/07/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.378**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:47	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:47	1
Chromium	ND		0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:47	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:47	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:47	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:47	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**107000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:16	1
Magnesium	**46900**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:16	1
Potassium	**2740**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:16	1
Sodium	**77500**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**375**		5.00	2.18	mg/L			12/14/23 18:41	1
Bicarbonate (as CaCO3) (SM 2320B)	**375**		5.00	2.18	mg/L			12/14/23 18:41	1
Total Dissolved Solids (SM 2540C)	**729**		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	**79.0**		5.00	1.49	mg/L			12/13/23 15:53	1

Client Sample ID: MW-28 Lab Sample ID: 570-163531-3

Date Collected: 12/06/23 14:55 **Matrix: Water**
Date Received: 12/07/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.39**	**J**	0.50	0.14	ug/L			12/15/23 01:17	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 01:17	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 01:17	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 01:17	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 01:17	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 01:17	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 01:17	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 01:17	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 01:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 01:17	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 01:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 01:17	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 01:17	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 01:17	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 01:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 01:17	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 01:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 01:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 01:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 01:17	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 01:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 01:17	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-28
Date Collected: 12/06/23 14:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 01:17	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 01:17	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 01:17	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 01:17	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 01:17	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 01:17	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 01:17	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 01:17	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 01:17	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 01:17	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 01:17	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 01:17	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 01:17	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 01:17	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 01:17	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 01:17	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 01:17	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 01:17	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 01:17	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 01:17	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 01:17	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 01:17	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 01:17	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 01:17	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 01:17	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 01:17	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 01:17	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 01:17	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 01:17	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 01:17	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 01:17	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 01:17	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 01:17	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 01:17	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 01:17	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 01:17	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 01:17	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 01:17	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 01:17	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 01:17	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 01:17	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 01:17	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 01:17	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 01:17	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*		*12/15/23 01:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*12/15/23 01:17*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/15/23 01:17*	*1*

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-28

Date Collected: 12/06/23 14:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		12/15/23 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/07/23 09:58	12/08/23 13:37	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/07/23 09:58	12/08/23 13:37	1
Anthracene	ND		0.19	0.058	ug/L		12/07/23 09:58	12/08/23 13:37	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/07/23 09:58	12/08/23 13:37	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		12/07/23 09:58	12/08/23 13:37	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 09:58	12/08/23 13:37	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/07/23 09:58	12/08/23 13:37	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 09:58	12/08/23 13:37	1
Chrysene	ND		0.19	0.058	ug/L		12/07/23 09:58	12/08/23 13:37	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 09:58	12/08/23 13:37	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 09:58	12/08/23 13:37	1
Fluorene	ND		0.19	0.073	ug/L		12/07/23 09:58	12/08/23 13:37	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 09:58	12/08/23 13:37	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 13:37	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		12/07/23 09:58	12/08/23 13:37	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 13:37	1
Phenanthrene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 13:37	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 09:58	12/08/23 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		33 - 144	12/07/23 09:58	12/08/23 13:37	1
Nitrobenzene-d5 (Surr)	54		28 - 139	12/07/23 09:58	12/08/23 13:37	1
p-Terphenyl-d14 (Surr)	72		23 - 160	12/07/23 09:58	12/08/23 13:37	1

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.32**		0.20	0.082	mg/L			12/14/23 19:07	2
Sulfate	**170**		2.0	0.47	mg/L			12/14/23 19:07	2

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		12/12/23 11:50	12/13/23 22:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0227**	**J**	0.100	0.0199	mg/L		12/11/23 09:32	12/13/23 01:49	1
Barium	**0.0454**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:49	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:49	1
Chromium	**0.00730**	**J**	0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:49	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:49	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:49	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:49	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**83200**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:25	1

Client Sample Results

Client: Stantec Consulting Services Inc Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-28 Lab Sample ID: 570-163531-3

Date Collected: 12/06/23 14:55 **Matrix: Water**
Date Received: 12/07/23 09:45

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	28900		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:25	1
Potassium	2740		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:25	1
Sodium	109000		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	286		5.00	2.18	mg/L			12/14/23 18:48	1
Bicarbonate (as CaCO3) (SM 2320B)	286		5.00	2.18	mg/L			12/14/23 18:48	1
Total Dissolved Solids (SM 2540C)	681		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	27.3		2.00	0.596	mg/L			12/13/23 15:53	1

Client Sample ID: MW-29 Lab Sample ID: 570-163531-4

Date Collected: 12/06/23 14:20 **Matrix: Water**
Date Received: 12/07/23 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			12/15/23 01:42	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 01:42	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 01:42	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 01:42	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 01:42	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 01:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 01:42	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 01:42	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 01:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 01:42	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 01:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 01:42	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 01:42	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 01:42	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 01:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 01:42	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 01:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 01:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 01:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 01:42	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 01:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 01:42	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 01:42	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 01:42	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 01:42	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 01:42	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 01:42	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 01:42	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 01:42	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 01:42	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 01:42	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 01:42	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-29

Date Collected: 12/06/23 14:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-4

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			12/15/23 01:42	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 01:42	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 01:42	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 01:42	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 01:42	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 01:42	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 01:42	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 01:42	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 01:42	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 01:42	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 01:42	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 01:42	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 01:42	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 01:42	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 01:42	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 01:42	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 01:42	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 01:42	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 01:42	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 01:42	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 01:42	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 01:42	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 01:42	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 01:42	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 01:42	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 01:42	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 01:42	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 01:42	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 01:42	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 01:42	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 01:42	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 01:42	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 01:42	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 01:42	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*12/15/23 01:42*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*12/15/23 01:42*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*12/15/23 01:42*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/15/23 01:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/07/23 09:58	12/08/23 14:00	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/07/23 09:58	12/08/23 14:00	1
Anthracene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 14:00	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/07/23 09:58	12/08/23 14:00	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/07/23 09:58	12/08/23 14:00	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 09:58	12/08/23 14:00	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-29

Date Collected: 12/06/23 14:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		12/07/23 09:58	12/08/23 14:00	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/07/23 09:58	12/08/23 14:00	1
Chrysene	ND		0.19	0.057	ug/L		12/07/23 09:58	12/08/23 14:00	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 09:58	12/08/23 14:00	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 09:58	12/08/23 14:00	1
Fluorene	ND		0.19	0.072	ug/L		12/07/23 09:58	12/08/23 14:00	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 09:58	12/08/23 14:00	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 14:00	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/07/23 09:58	12/08/23 14:00	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 14:00	1
Phenanthrene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 14:00	1
Pyrene	ND		0.19	0.064	ug/L		12/07/23 09:58	12/08/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*33 - 144*	*12/07/23 09:58*	*12/08/23 14:00*	*1*
Nitrobenzene-d5 (Surr)	*66*		*28 - 139*	*12/07/23 09:58*	*12/08/23 14:00*	*1*
p-Terphenyl-d14 (Surr)	*70*		*23 - 160*	*12/07/23 09:58*	*12/08/23 14:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.90**		0.20	0.082	mg/L			12/14/23 19:24	2
Sulfate	**89**		2.0	0.47	mg/L			12/14/23 19:24	2

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		12/12/23 11:50	12/13/23 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0233**	**J**	0.100	0.0199	mg/L		12/11/23 09:32	12/13/23 01:52	1
Barium	**0.476**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:52	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:52	1
Chromium	**0.00920**	**J**	0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:52	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:52	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:52	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:52	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:27	1
Magnesium	**37200**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:27	1
Potassium	**3730**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:27	1
Sodium	**133000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**158**		5.00	2.18	mg/L			12/14/23 18:54	1
Bicarbonate (as CaCO3) (SM 2320B)	**158**		5.00	2.18	mg/L			12/14/23 18:54	1
Total Dissolved Solids (SM 2540C)	**1160**		10.0	8.70	mg/L			12/12/23 17:35	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-29

Date Collected: 12/06/23 14:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-4
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- C)	389		5.00	1.49	mg/L			12/13/23 15:53	1

Client Sample ID: MW-30

Date Collected: 12/06/23 13:50
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-5
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			12/15/23 02:08	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 02:08	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 02:08	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 02:08	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 02:08	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 02:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 02:08	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 02:08	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 02:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 02:08	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 02:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 02:08	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 02:08	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 02:08	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 02:08	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:08	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 02:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:08	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 02:08	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 02:08	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 02:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 02:08	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 02:08	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 02:08	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 02:08	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 02:08	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 02:08	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 02:08	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 02:08	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 02:08	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 02:08	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 02:08	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 02:08	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 02:08	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 02:08	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 02:08	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 02:08	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 02:08	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 02:08	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 02:08	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 02:08	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 02:08	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-30

Date Collected: 12/06/23 13:50
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-5

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			12/15/23 02:08	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 02:08	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 02:08	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 02:08	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 02:08	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 02:08	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 02:08	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 02:08	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 02:08	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 02:08	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:08	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 02:08	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 02:08	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 02:08	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 02:08	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 02:08	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 02:08	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 02:08	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 02:08	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 02:08	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:08	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 02:08	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 02:08	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 02:08	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*		*12/15/23 02:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*12/15/23 02:08*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/15/23 02:08*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/15/23 02:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.095	ug/L		12/07/23 09:58	12/08/23 14:22	1
Acenaphthylene	ND		0.20	0.068	ug/L		12/07/23 09:58	12/08/23 14:22	1
Anthracene	ND		0.20	0.058	ug/L		12/07/23 09:58	12/08/23 14:22	1
Benzo[a]anthracene	ND		0.20	0.084	ug/L		12/07/23 09:58	12/08/23 14:22	1
Benzo[a]pyrene	ND		0.20	0.061	ug/L		12/07/23 09:58	12/08/23 14:22	1
Benzo[b]fluoranthene	ND		0.20	0.17	ug/L		12/07/23 09:58	12/08/23 14:22	1
Benzo[g,h,i]perylene	ND		0.20	0.099	ug/L		12/07/23 09:58	12/08/23 14:22	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/07/23 09:58	12/08/23 14:22	1
Chrysene	ND		0.20	0.058	ug/L		12/07/23 09:58	12/08/23 14:22	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/07/23 09:58	12/08/23 14:22	1
Fluoranthene	ND		0.20	0.14	ug/L		12/07/23 09:58	12/08/23 14:22	1
Fluorene	ND		0.20	0.073	ug/L		12/07/23 09:58	12/08/23 14:22	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		12/07/23 09:58	12/08/23 14:22	1
1-Methylnaphthalene	ND		0.20	0.072	ug/L		12/07/23 09:58	12/08/23 14:22	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		12/07/23 09:58	12/08/23 14:22	1
Naphthalene	ND		0.20	0.15	ug/L		12/07/23 09:58	12/08/23 14:22	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-30

Date Collected: 12/06/23 13:50
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.072	ug/L		12/07/23 09:58	12/08/23 14:22	1
Pyrene	ND		0.20	0.065	ug/L		12/07/23 09:58	12/08/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*33 - 144*	*12/07/23 09:58*	*12/08/23 14:22*	*1*
Nitrobenzene-d5 (Surr)	*51*		*28 - 139*	*12/07/23 09:58*	*12/08/23 14:22*	*1*
p-Terphenyl-d14 (Surr)	*68*		*23 - 160*	*12/07/23 09:58*	*12/08/23 14:22*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.52**		0.10	0.041	mg/L			12/14/23 19:41	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**92**		10	2.4	mg/L			12/14/23 23:20	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		12/12/23 11:50	12/13/23 22:56	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		12/11/23 09:32	12/13/23 01:54	1
Barium	**0.119**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:54	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:54	1
Chromium	**0.0125**	**J**	0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:54	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:54	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:54	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:54	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**112000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:30	1
Magnesium	**27400**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:30	1
Potassium	**2980**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:30	1
Sodium	**85200**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**163**		5.00	2.18	mg/L			12/14/23 19:01	1
Bicarbonate (as CaCO3) (SM 2320B)	**163**		5.00	2.18	mg/L			12/14/23 19:01	1
Total Dissolved Solids (SM 2540C)	**747**		10.0	8.70	mg/L			12/12/23 17:30	1
Chloride (SM 4500 Cl- C)	**188**		5.00	1.49	mg/L			12/13/23 15:53	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-31

Date Collected: 12/06/23 11:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-6

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			12/15/23 02:33	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 02:33	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 02:33	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 02:33	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 02:33	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 02:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 02:33	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 02:33	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 02:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 02:33	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 02:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 02:33	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 02:33	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 02:33	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 02:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:33	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 02:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 02:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 02:33	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 02:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 02:33	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 02:33	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 02:33	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 02:33	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 02:33	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 02:33	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 02:33	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 02:33	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 02:33	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 02:33	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 02:33	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 02:33	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 02:33	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 02:33	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 02:33	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 02:33	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 02:33	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 02:33	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 02:33	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 02:33	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 02:33	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 02:33	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 02:33	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 02:33	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 02:33	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 02:33	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 02:33	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 02:33	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-31

Date Collected: 12/06/23 11:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-6

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			12/15/23 02:33	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 02:33	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 02:33	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:33	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 02:33	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 02:33	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 02:33	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 02:33	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 02:33	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 02:33	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 02:33	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 02:33	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 02:33	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:33	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 02:33	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 02:33	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 02:33	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*		*12/15/23 02:33*	*1*
4-Bromofluorobenzene (Surr)	*91*		*76 - 120*		*12/15/23 02:33*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/15/23 02:33*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/15/23 02:33*	*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		12/07/23 09:58	12/08/23 14:45	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/07/23 09:58	12/08/23 14:45	1
Anthracene	ND		0.19	0.056	ug/L		12/07/23 09:58	12/08/23 14:45	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/07/23 09:58	12/08/23 14:45	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/07/23 09:58	12/08/23 14:45	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/07/23 09:58	12/08/23 14:45	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		12/07/23 09:58	12/08/23 14:45	1
Benzo[k]fluoranthene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 14:45	1
Chrysene	ND		0.19	0.056	ug/L		12/07/23 09:58	12/08/23 14:45	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/07/23 09:58	12/08/23 14:45	1
Fluoranthene	ND		0.19	0.13	ug/L		12/07/23 09:58	12/08/23 14:45	1
Fluorene	ND		0.19	0.071	ug/L		12/07/23 09:58	12/08/23 14:45	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/07/23 09:58	12/08/23 14:45	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		12/07/23 09:58	12/08/23 14:45	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/07/23 09:58	12/08/23 14:45	1
Naphthalene	ND		0.19	0.14	ug/L		12/07/23 09:58	12/08/23 14:45	1
Phenanthrene	ND		0.19	0.069	ug/L		12/07/23 09:58	12/08/23 14:45	1
Pyrene	ND		0.19	0.062	ug/L		12/07/23 09:58	12/08/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*33 - 144*	*12/07/23 09:58*	*12/08/23 14:45*	*1*
Nitrobenzene-d5 (Surr)	*54*		*28 - 139*	*12/07/23 09:58*	*12/08/23 14:45*	*1*
p-Terphenyl-d14 (Surr)	*70*		*23 - 160*	*12/07/23 09:58*	*12/08/23 14:45*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-31
Lab Sample ID: 570-163531-6
Date Collected: 12/06/23 11:35
Matrix: Water
Date Received: 12/07/23 09:45

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.55**		0.10	0.041	mg/L			12/14/23 19:57	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**95**		10	2.4	mg/L			12/15/23 00:10	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		12/12/23 11:50	12/13/23 22:58	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		12/11/23 09:32	12/13/23 01:57	1
Barium	**0.0502**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:57	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:57	1
Chromium	ND		0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:57	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:57	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:57	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:57	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**115000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:32	1
Magnesium	**24500**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:32	1
Potassium	**2820**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:32	1
Sodium	**102000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**161**		5.00	2.18	mg/L			12/14/23 19:07	1
Bicarbonate (as CaCO3) (SM 2320B)	**161**		5.00	2.18	mg/L			12/14/23 19:07	1
Total Dissolved Solids (SM 2540C)	**875**		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	**224**		10.0	2.98	mg/L			12/13/23 15:53	1

Client Sample ID: MW-37
Lab Sample ID: 570-163531-7
Date Collected: 12/06/23 12:55
Matrix: Water
Date Received: 12/07/23 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			12/15/23 02:58	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 02:58	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 02:58	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 02:58	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 02:58	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 02:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 02:58	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 02:58	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 02:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 02:58	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-37

Date Collected: 12/06/23 12:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 02:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 02:58	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 02:58	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 02:58	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 02:58	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:58	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 02:58	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 02:58	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 02:58	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 02:58	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 02:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 02:58	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 02:58	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 02:58	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 02:58	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 02:58	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 02:58	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 02:58	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 02:58	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 02:58	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 02:58	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 02:58	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 02:58	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 02:58	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 02:58	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 02:58	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 02:58	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 02:58	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 02:58	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 02:58	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 02:58	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 02:58	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 02:58	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 02:58	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 02:58	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 02:58	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 02:58	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 02:58	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 02:58	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 02:58	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 02:58	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 02:58	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:58	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 02:58	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 02:58	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 02:58	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 02:58	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 02:58	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 02:58	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-37

Date Collected: 12/06/23 12:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 02:58	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 02:58	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 02:58	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 02:58	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 02:58	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 02:58	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 02:58	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*12/15/23 02:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*12/15/23 02:58*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*12/15/23 02:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/15/23 02:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.095	ug/L		12/07/23 09:58	12/08/23 15:07	1
Acenaphthylene	ND		0.20	0.067	ug/L		12/07/23 09:58	12/08/23 15:07	1
Anthracene	ND		0.20	0.058	ug/L		12/07/23 09:58	12/08/23 15:07	1
Benzo[a]anthracene	ND		0.20	0.084	ug/L		12/07/23 09:58	12/08/23 15:07	1
Benzo[a]pyrene	ND		0.20	0.061	ug/L		12/07/23 09:58	12/08/23 15:07	1
Benzo[b]fluoranthene	ND		0.20	0.17	ug/L		12/07/23 09:58	12/08/23 15:07	1
Benzo[g,h,i]perylene	ND		0.20	0.098	ug/L		12/07/23 09:58	12/08/23 15:07	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/07/23 09:58	12/08/23 15:07	1
Chrysene	ND		0.20	0.058	ug/L		12/07/23 09:58	12/08/23 15:07	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/07/23 09:58	12/08/23 15:07	1
Fluoranthene	ND		0.20	0.14	ug/L		12/07/23 09:58	12/08/23 15:07	1
Fluorene	ND		0.20	0.073	ug/L		12/07/23 09:58	12/08/23 15:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.10	ug/L		12/07/23 09:58	12/08/23 15:07	1
1-Methylnaphthalene	ND		0.20	0.071	ug/L		12/07/23 09:58	12/08/23 15:07	1
2-Methylnaphthalene	ND		0.20	0.075	ug/L		12/07/23 09:58	12/08/23 15:07	1
Naphthalene	ND		0.20	0.15	ug/L		12/07/23 09:58	12/08/23 15:07	1
Phenanthrene	ND		0.20	0.071	ug/L		12/07/23 09:58	12/08/23 15:07	1
Pyrene	ND		0.20	0.065	ug/L		12/07/23 09:58	12/08/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*	*12/07/23 09:58*	*12/08/23 15:07*	*1*
Nitrobenzene-d5 (Surr)	*47*		*28 - 139*	*12/07/23 09:58*	*12/08/23 15:07*	*1*
p-Terphenyl-d14 (Surr)	*69*		*23 - 160*	*12/07/23 09:58*	*12/08/23 15:07*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.78**		0.10	0.041	mg/L			12/14/23 20:48	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**370**		10	2.4	mg/L			12/15/23 00:27	10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-37

Lab Sample ID: 570-163531-7
Matrix: Water
Date Collected: 12/06/23 12:55
Date Received: 12/07/23 09:45

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		12/12/23 11:50	12/13/23 23:00	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		12/11/23 09:32	12/13/23 01:59	1
Barium	**0.0454**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:59	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:59	1
Chromium	ND		0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:59	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:59	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:59	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:59	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:34	1
Magnesium	**38200**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:34	1
Potassium	**3290**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:34	1
Sodium	**146000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:34	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			12/14/23 19:13	1
Bicarbonate (as CaCO3) (SM 2320B)	**154**		5.00	2.18	mg/L			12/14/23 19:13	1
Total Dissolved Solids (SM 2540C)	**1210**		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	**179**		10.0	2.98	mg/L			12/13/23 15:53	1

Client Sample ID: MW-38

Lab Sample ID: 570-163531-8
Matrix: Water
Date Collected: 12/06/23 12:20
Date Received: 12/07/23 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			12/15/23 03:24	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 03:24	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 03:24	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 03:24	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 03:24	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 03:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 03:24	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 03:24	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 03:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 03:24	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 03:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 03:24	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 03:24	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 03:24	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 03:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 03:24	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 03:24	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-38

Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 03:24	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 03:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 03:24	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 03:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 03:24	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 03:24	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 03:24	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 03:24	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 03:24	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 03:24	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 03:24	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 03:24	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 03:24	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 03:24	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 03:24	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 03:24	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 03:24	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 03:24	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 03:24	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 03:24	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 03:24	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 03:24	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 03:24	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 03:24	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 03:24	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 03:24	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 03:24	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 03:24	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 03:24	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 03:24	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 03:24	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 03:24	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 03:24	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 03:24	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 03:24	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 03:24	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 03:24	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 03:24	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 03:24	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 03:24	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 03:24	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 03:24	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 03:24	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 03:24	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 03:24	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 03:24	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 03:24	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 03:24	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 03:24	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-38
Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*		*12/15/23 03:24*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*		*12/15/23 03:24*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/15/23 03:24*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/15/23 03:24*	*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		12/08/23 05:32	12/08/23 15:30	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/08/23 05:32	12/08/23 15:30	1
Anthracene	ND		0.20	0.059	ug/L		12/08/23 05:32	12/08/23 15:30	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		12/08/23 05:32	12/08/23 15:30	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/08/23 05:32	12/08/23 15:30	1
Benzo[b]fluoranthene	ND		0.20	0.17	ug/L		12/08/23 05:32	12/08/23 15:30	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/08/23 05:32	12/08/23 15:30	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/08/23 05:32	12/08/23 15:30	1
Chrysene	ND		0.20	0.059	ug/L		12/08/23 05:32	12/08/23 15:30	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/08/23 05:32	12/08/23 15:30	1
Fluoranthene	ND		0.20	0.14	ug/L		12/08/23 05:32	12/08/23 15:30	1
Fluorene	ND		0.20	0.074	ug/L		12/08/23 05:32	12/08/23 15:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/08/23 05:32	12/08/23 15:30	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/08/23 05:32	12/08/23 15:30	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/08/23 05:32	12/08/23 15:30	1
Naphthalene	ND		0.20	0.15	ug/L		12/08/23 05:32	12/08/23 15:30	1
Phenanthrene	ND		0.20	0.073	ug/L		12/08/23 05:32	12/08/23 15:30	1
Pyrene	ND		0.20	0.066	ug/L		12/08/23 05:32	12/08/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*33 - 144*	*12/08/23 05:32*	*12/08/23 15:30*	*1*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*12/08/23 05:32*	*12/08/23 15:30*	*1*
p-Terphenyl-d14 (Surr)	*66*		*23 - 160*	*12/08/23 05:32*	*12/08/23 15:30*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.49**		0.10	0.041	mg/L			12/14/23 21:05	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**100**		10	2.4	mg/L			12/15/23 00:44	10

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000469**		0.000200	0.000124	mg/L		12/12/23 11:50	12/14/23 17:01	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		12/11/23 09:32	12/13/23 02:01	1
Barium	**0.0428**	**B**	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 02:01	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 02:01	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-38

Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 02:01	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 02:01	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 02:01	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 02:01	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**101000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:36	1
Magnesium	**25100**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:36	1
Potassium	**2720**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:36	1
Sodium	**112000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:36	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			12/14/23 19:20	1
Bicarbonate (as CaCO3) (SM 2320B)	**166**		5.00	2.18	mg/L			12/14/23 19:20	1
Total Dissolved Solids (SM 2540C)	**843**		10.0	8.70	mg/L			12/12/23 17:35	1
Chloride (SM 4500 Cl- C)	**210**		10.0	2.98	mg/L			12/13/23 15:53	1

Client Sample ID: TB

Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-9
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			12/14/23 20:12	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 20:12	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 20:12	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 20:12	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 20:12	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 20:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 20:12	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 20:12	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 20:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 20:12	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 20:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 20:12	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 20:12	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 20:12	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 20:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 20:12	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 20:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 20:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 20:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 20:12	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 20:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 20:12	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 20:12	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 20:12	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: TB

Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 20:12	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 20:12	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 20:12	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 20:12	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 20:12	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 20:12	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 20:12	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 20:12	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 20:12	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 20:12	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 20:12	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 20:12	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 20:12	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 20:12	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 20:12	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 20:12	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 20:12	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 20:12	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 20:12	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 20:12	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 20:12	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 20:12	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 20:12	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 20:12	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/14/23 20:12	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 20:12	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 20:12	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 20:12	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 20:12	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 20:12	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 20:12	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 20:12	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 20:12	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 20:12	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 20:12	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 20:12	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/14/23 20:12	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 20:12	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 20:12	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 20:12	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 20:12	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 20:12	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 132*		*12/14/23 20:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*12/14/23 20:12*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*12/14/23 20:12*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/14/23 20:12*	*1*

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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)
570-163531-1	MW-11	93	94	100	96
570-163531-2	MW-22	95	98	99	97
570-163531-3	MW-28	98	94	105	97
570-163531-4	MW-29	99	94	100	92
570-163531-5	MW-30	97	96	101	94
570-163531-6	MW-31	96	91	105	98
570-163531-7	MW-37	100	93	107	97
570-163531-8	MW-38	96	92	105	95
570-163531-9	TB	94	94	103	96
LCS 570-392765/3	Lab Control Sample	98	95	103	100
LCSD 570-392765/4	Lab Control Sample Dup	97	96	100	98
MB 570-392765/6	Method Blank	91	92	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)
570-163531-1	MW-11	64	55	69
570-163531-2	MW-22	58	44	65
570-163531-3	MW-28	70	54	72
570-163531-4	MW-29	69	66	70
570-163531-5	MW-30	66	51	68
570-163531-6	MW-31	66	54	70
570-163531-7	MW-37	60	47	69
570-163531-8	MW-38	64	71	66
LCS 570-390199/2-A	Lab Control Sample	71	76	70
LCSD 570-390199/3-A	Lab Control Sample Dup	69	74	66
MB 570-390199/1-A	Method Blank	39	41	58

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: MB 570-392765/6
Matrix: Water
Analysis Batch: 392765

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			12/14/23 19:47	1
Toluene	ND		0.50	0.14	ug/L			12/14/23 19:47	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/14/23 19:47	1
o-Xylene	ND		0.50	0.18	ug/L			12/14/23 19:47	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/14/23 19:47	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/14/23 19:47	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/14/23 19:47	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/14/23 19:47	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/14/23 19:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/14/23 19:47	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/14/23 19:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/14/23 19:47	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/14/23 19:47	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/14/23 19:47	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/14/23 19:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 19:47	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/14/23 19:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/14/23 19:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/14/23 19:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/14/23 19:47	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/14/23 19:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/14/23 19:47	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/14/23 19:47	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/14/23 19:47	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/14/23 19:47	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/14/23 19:47	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/14/23 19:47	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/14/23 19:47	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/14/23 19:47	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/14/23 19:47	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/14/23 19:47	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/14/23 19:47	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/14/23 19:47	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/14/23 19:47	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/14/23 19:47	1
Acetone	ND		8.0	3.6	ug/L			12/14/23 19:47	1
Bromobenzene	ND		0.50	0.14	ug/L			12/14/23 19:47	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/14/23 19:47	1
Bromoform	ND		0.50	0.28	ug/L			12/14/23 19:47	1
Bromomethane	ND		2.0	1.9	ug/L			12/14/23 19:47	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/14/23 19:47	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/14/23 19:47	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/14/23 19:47	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/14/23 19:47	1
Chloroethane	ND		0.50	0.38	ug/L			12/14/23 19:47	1
Chloroform	ND		0.50	0.17	ug/L			12/14/23 19:47	1
Chloromethane	ND		1.0	0.65	ug/L			12/14/23 19:47	1
Dibromomethane	ND		0.50	0.16	ug/L			12/14/23 19:47	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: MB 570-392765/6
Matrix: Water
Analysis Batch: 392765

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			12/14/23 19:47	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/14/23 19:47	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/14/23 19:47	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/14/23 19:47	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/14/23 19:47	1
2-Butanone	ND		5.0	2.9	ug/L			12/14/23 19:47	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/14/23 19:47	1
2-Hexanone	ND		6.0	2.0	ug/L			12/14/23 19:47	1
Naphthalene	ND		1.0	0.55	ug/L			12/14/23 19:47	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/14/23 19:47	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/14/23 19:47	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/14/23 19:47	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/14/23 19:47	1
Styrene	ND		0.50	0.27	ug/L			12/14/23 19:47	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/14/23 19:47	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/14/23 19:47	1
Trichloroethene	ND		0.50	0.15	ug/L			12/14/23 19:47	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/14/23 19:47	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/14/23 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 132*		*12/14/23 19:47*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*		*12/14/23 19:47*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*12/14/23 19:47*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/14/23 19:47*	*1*

Lab Sample ID: LCS 570-392765/3
Matrix: Water
Analysis Batch: 392765

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	10.14		ug/L		101	80 - 120
Toluene	10.0	10.07		ug/L		101	80 - 120
Ethylbenzene	10.0	10.12		ug/L		101	80 - 126
o-Xylene	10.0	9.806		ug/L		98	80 - 124
m,p-Xylene	20.0	21.03		ug/L		105	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	8.571		ug/L		86	69 - 128
1,1-Dichloroethene	10.0	9.929		ug/L		99	80 - 126
1,2-Dichlorobenzene	10.0	10.41		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	9.414		ug/L		94	76 - 130
Carbon tetrachloride	10.0	10.19		ug/L		102	61 - 139
Chlorobenzene	10.0	10.23		ug/L		102	80 - 120
1,2-Dibromoethane	10.0	9.440		ug/L		94	80 - 125
Hexachloro-1,3-butadiene	10.0	9.898		ug/L		99	80 - 123
Trichloroethene	10.0	10.77		ug/L		108	77 - 124
Vinyl chloride	10.0	10.26		ug/L		103	50 - 160

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: LCS 570-392765/3
Matrix: Water
Analysis Batch: 392765

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-392765/4
Matrix: Water
Analysis Batch: 392765

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	9.485		ug/L		95	80 - 120	7	20
Toluene			10.0	9.417		ug/L		94	80 - 120	7	20
Ethylbenzene			10.0	9.506		ug/L		95	80 - 126	6	20
o-Xylene			10.0	9.434		ug/L		94	80 - 124	4	20
m,p-Xylene			20.0	19.45		ug/L		97	80 - 123	8	20
Methyl-t-Butyl Ether (MTBE)			10.0	8.638		ug/L		86	69 - 128	1	20
1,1-Dichloroethene			10.0	9.415		ug/L		94	80 - 126	5	21
1,2-Dichlorobenzene			10.0	9.552		ug/L		96	80 - 120	9	20
1,2-Dichloroethane			10.0	9.027		ug/L		90	76 - 130	4	20
Carbon tetrachloride			10.0	9.473		ug/L		95	61 - 139	7	20
Chlorobenzene			10.0	9.921		ug/L		99	80 - 120	3	20
1,2-Dibromoethane			10.0	8.646		ug/L		86	80 - 125	9	20
Hexachloro-1,3-butadiene			10.0	8.783		ug/L		88	80 - 123	12	20
Trichloroethene			10.0	10.32		ug/L		103	77 - 124	4	20
Vinyl chloride			10.0	10.12		ug/L		101	50 - 160	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 570-390199/1-A
Matrix: Water
Analysis Batch: 390553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/07/23 05:58	12/08/23 00:50	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/07/23 05:58	12/08/23 00:50	1
Anthracene	ND		0.20	0.059	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[b]fluoranthene	ND		0.20	0.18	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/07/23 05:58	12/08/23 00:50	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/07/23 05:58	12/08/23 00:50	1
Chrysene	ND		0.20	0.059	ug/L		12/07/23 05:58	12/08/23 00:50	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: MB 570-390199/1-A
Matrix: Water
Analysis Batch: 390553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/07/23 05:58	12/08/23 00:50	1
Fluoranthene	ND		0.20	0.14	ug/L		12/07/23 05:58	12/08/23 00:50	1
Fluorene	ND		0.20	0.075	ug/L		12/07/23 05:58	12/08/23 00:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/07/23 05:58	12/08/23 00:50	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/07/23 05:58	12/08/23 00:50	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/07/23 05:58	12/08/23 00:50	1
Naphthalene	ND		0.20	0.15	ug/L		12/07/23 05:58	12/08/23 00:50	1
Phenanthrene	ND		0.20	0.073	ug/L		12/07/23 05:58	12/08/23 00:50	1
Pyrene	ND		0.20	0.066	ug/L		12/07/23 05:58	12/08/23 00:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*33 - 144*	*12/07/23 05:58*	*12/08/23 00:50*	*1*
Nitrobenzene-d5 (Surr)	*41*		*28 - 139*	*12/07/23 05:58*	*12/08/23 00:50*	*1*
p-Terphenyl-d14 (Surr)	*58*		*23 - 160*	*12/07/23 05:58*	*12/08/23 00:50*	*1*

Lab Sample ID: LCS 570-390199/2-A
Matrix: Water
Analysis Batch: 390690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.381		ug/L		69	55 - 121
Acenaphthylene	2.00	1.523		ug/L		76	33 - 145
Anthracene	2.00	1.340		ug/L		67	27 - 133
Benzo[a]anthracene	2.00	1.415		ug/L		71	33 - 143
Benzo[a]pyrene	2.00	1.168		ug/L		58	17 - 163
Benzo[b]fluoranthene	2.00	1.263		ug/L		63	24 - 159
Benzo[g,h,i]perylene	2.00	1.150		ug/L		57	25 - 157
Benzo[k]fluoranthene	2.00	1.387		ug/L		69	24 - 159
Chrysene	2.00	1.454		ug/L		73	17 - 168
Dibenz(a,h)anthracene	2.00	1.204		ug/L		60	25 - 175
Fluoranthene	2.00	1.492		ug/L		75	26 - 137
Fluorene	2.00	1.463		ug/L		73	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.167		ug/L		58	25 - 175
1-Methylnaphthalene	2.00	1.564		ug/L		78	20 - 140
2-Methylnaphthalene	2.00	1.560		ug/L		78	21 - 140
Naphthalene	2.00	1.466		ug/L		73	21 - 133
Phenanthrene	2.00	1.377		ug/L		69	54 - 120
Pyrene	2.00	1.360		ug/L		68	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*33 - 144*
Nitrobenzene-d5 (Surr)	*76*		*28 - 139*
p-Terphenyl-d14 (Surr)	*70*		*23 - 160*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: LCSD 570-390199/3-A
Matrix: Water
Analysis Batch: 390690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 390199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	1.358		ug/L		68	55 - 121	2	25
Acenaphthylene			2.00	1.473		ug/L		74	33 - 145	3	25
Anthracene			2.00	1.270		ug/L		64	27 - 133	5	25
Benzo[a]anthracene			2.00	1.319		ug/L		66	33 - 143	7	25
Benzo[a]pyrene			2.00	1.087		ug/L		54	17 - 163	7	25
Benzo[b]fluoranthene			2.00	1.181		ug/L		59	24 - 159	7	25
Benzo[g,h,i]perylene			2.00	1.117		ug/L		56	25 - 157	3	25
Benzo[k]fluoranthene			2.00	1.280		ug/L		64	24 - 159	8	25
Chrysene			2.00	1.411		ug/L		71	17 - 168	3	25
Dibenz(a,h)anthracene			2.00	1.135		ug/L		57	25 - 175	6	25
Fluoranthene			2.00	1.379		ug/L		69	26 - 137	8	25
Fluorene			2.00	1.400		ug/L		70	59 - 121	4	25
Indeno[1,2,3-cd]pyrene			2.00	1.099		ug/L		55	25 - 175	6	25
1-Methylnaphthalene			2.00	1.525		ug/L		76	20 - 140	3	25
2-Methylnaphthalene			2.00	1.516		ug/L		76	21 - 140	3	25
Naphthalene			2.00	1.464		ug/L		73	21 - 133	0	25
Phenanthrene			2.00	1.347		ug/L		67	54 - 120	2	25
Pyrene			2.00	1.295		ug/L		65	45 - 129	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*33 - 144*
Nitrobenzene-d5 (Surr)	*74*		*28 - 139*
p-Terphenyl-d14 (Surr)	*66*		*23 - 160*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 570-392527/5
Matrix: Water
Analysis Batch: 392527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.041	mg/L			12/14/23 03:20	1
Sulfate	ND		1.0	0.24	mg/L			12/14/23 03:20	1

Lab Sample ID: LCS 570-392527/6
Matrix: Water
Analysis Batch: 392527

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide			5.00	4.871		mg/L		97	80 - 120
Sulfate			50.0	49.80		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-392527/7
Matrix: Water
Analysis Batch: 392527

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
Bromide			5.00	4.815		mg/L		96	80 - 120	1	15
Sulfate			50.0	49.86		mg/L		100	80 - 120	0	15

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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
Bromide	0.39		5.00	5.378		mg/L		100	80 - 120
Sulfate	3.5		50.0	55.03		mg/L		103	80 - 120

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide	0.39		5.00	5.363		mg/L		99	80 - 120	0	15
Sulfate	3.5		50.0	55.30		mg/L		104	80 - 120	0	15

Method: 9056A - Anions, Ion Chromatography - DL

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	5.011		mg/L		100	80 - 120
Sulfate - DL	4.7	J	50.0	49.33		mg/L		89	80 - 120

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	4.786		mg/L		96	80 - 120	5	15
Sulfate - DL	4.7	J	50.0	50.12		mg/L		91	80 - 120	2	15

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-391807/1-A
Matrix: Water
Analysis Batch: 392412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		12/12/23 11:50	12/13/23 17:33	1

Lab Sample ID: LCS 570-391807/2-A
Matrix: Water
Analysis Batch: 392412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00800	0.008094		mg/L		101	85 - 115

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-391807/3-A
Matrix: Water
Analysis Batch: 392412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 391807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.008096		mg/L		101	85 - 115	0	10

Lab Sample ID: 570-163531-2 MS
Matrix: Water
Analysis Batch: 392412

Client Sample ID: MW-22
Prep Type: Total/NA
Prep Batch: 391807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000161	J	0.00800	0.007138		mg/L		87	85 - 115

Lab Sample ID: 570-163531-2 MSD
Matrix: Water
Analysis Batch: 392412

Client Sample ID: MW-22
Prep Type: Total/NA
Prep Batch: 391807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000161	J	0.00800	0.007228		mg/L		88	85 - 115	1	10

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-391242/1-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		12/11/23 09:32	12/13/23 01:23	1
Barium	0.003300	J	0.0100	0.00111	mg/L		12/11/23 09:32	12/13/23 01:23	1
Cadmium	ND		0.0100	0.000620	mg/L		12/11/23 09:32	12/13/23 01:23	1
Chromium	ND		0.0500	0.00296	mg/L		12/11/23 09:32	12/13/23 01:23	1
Lead	ND		0.0500	0.00527	mg/L		12/11/23 09:32	12/13/23 01:23	1
Selenium	ND		0.0500	0.0162	mg/L		12/11/23 09:32	12/13/23 01:23	1
Silver	ND		0.0100	0.00259	mg/L		12/11/23 09:32	12/13/23 01:23	1

Lab Sample ID: LCS 570-391242/2-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.500	0.4957		mg/L		99	80 - 120
Barium			0.500	0.5013		mg/L		100	80 - 120
Cadmium			0.500	0.4970		mg/L		99	80 - 120
Chromium			0.500	0.5034		mg/L		101	80 - 120
Lead			0.500	0.5057		mg/L		101	80 - 120
Selenium			0.500	0.4783		mg/L		96	80 - 120
Silver			0.250	0.2490		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-391242/3-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.5008		mg/L		100	80 - 120	1	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: LCSD 570-391242/3-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium			0.500	0.5005		mg/L		100	80 - 120	0	20
Cadmium			0.500	0.4986		mg/L		100	80 - 120	0	20
Chromium			0.500	0.5047		mg/L		101	80 - 120	0	20
Lead			0.500	0.5046		mg/L		101	80 - 120	0	20
Selenium			0.500	0.4746		mg/L		95	80 - 120	1	20
Silver			0.250	0.2491		mg/L		100	80 - 120	0	20

Lab Sample ID: 570-163531-1 MS
Matrix: Water
Analysis Batch: 392133

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		0.500	0.5147		mg/L		103	80 - 140		
Barium	0.142	B	0.500	0.6177		mg/L		95	87 - 123		
Cadmium	ND		0.500	0.4687		mg/L		94	82 - 124		
Chromium	0.129	F1	0.500	0.5559	F1	mg/L		85	86 - 122		
Lead	ND		0.500	0.4744		mg/L		95	84 - 120		
Selenium	ND		0.500	0.4759		mg/L		95	79 - 127		
Silver	ND		0.250	0.2484		mg/L		99	86 - 128		

Lab Sample ID: 570-163531-1 MSD
Matrix: Water
Analysis Batch: 392133

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5102		mg/L		102	80 - 140	1	11
Barium	0.142	B	0.500	0.6136		mg/L		94	87 - 123	1	6
Cadmium	ND		0.500	0.4665		mg/L		93	82 - 124	0	7
Chromium	0.129	F1	0.500	0.5566	F1	mg/L		85	86 - 122	0	8
Lead	ND		0.500	0.4730		mg/L		95	84 - 120	0	7
Selenium	ND		0.500	0.4674		mg/L		93	79 - 127	2	9
Silver	ND		0.250	0.2470		mg/L		99	86 - 128	1	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-391676/1-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		100	24.6	ug/L		12/12/23 09:07	12/12/23 13:56	1
Magnesium	ND		100	15.1	ug/L		12/12/23 09:07	12/12/23 13:56	1
Potassium	ND		100	16.6	ug/L		12/12/23 09:07	12/12/23 13:56	1
Sodium	ND		100	13.9	ug/L		12/12/23 09:07	12/12/23 13:56	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-391676/2-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			4000	3842		ug/L		96	80 - 120		
Magnesium			2000	1925		ug/L		96	80 - 120		
Potassium			2000	1910		ug/L		95	80 - 120		
Sodium			2000	1940		ug/L		97	80 - 120		

Lab Sample ID: LCSD 570-391676/3-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			4000	3934		ug/L		98	80 - 120	2	20
Magnesium			2000	1987		ug/L		99	80 - 120	3	20
Potassium			2000	1958		ug/L		98	80 - 120	3	20
Sodium			2000	1992		ug/L		100	80 - 120	3	20

Lab Sample ID: 570-163895-G-1-B MS
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	81200		4000	88820	4	ug/L		191	80 - 120		
Magnesium	9600		2000	12080	4	ug/L		124	63 - 123		
Potassium	2690		2000	4781		ug/L		105	80 - 120		
Sodium	14100		2000	16590	4	ug/L		123	80 - 120		

Lab Sample ID: 570-163895-G-1-C MSD
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	81200		4000	86350	4	ug/L		130	80 - 120	3	20
Magnesium	9600		2000	11760	4	ug/L		108	63 - 123	3	32
Potassium	2690		2000	4690		ug/L		100	80 - 120	2	20
Sodium	14100		2000	16280	4	ug/L		107	80 - 120	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-393111/35
Matrix: Water
Analysis Batch: 393111

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			12/14/23 16:50	1
Bicarbonate (as CaCO3)	ND		5.00	2.18	mg/L			12/14/23 16:50	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 570-393111/33
Matrix: Water
Analysis Batch: 393111

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	93.67		mg/L		88	78 - 110		

Lab Sample ID: LCSD 570-393111/34
Matrix: Water
Analysis Batch: 393111

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	93.22		mg/L		88	78 - 110	0	10

Lab Sample ID: 570-163736-B-1 DU
Matrix: Water
Analysis Batch: 393111

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)	91.9			93.85		mg/L				2	25
Bicarbonate (as CaCO3)	91.9			93.85		mg/L				2	25

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

Lab Sample ID: MB 570-391984/1
Matrix: Water
Analysis Batch: 391984

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			12/12/23 17:30	1

Lab Sample ID: LCS 570-391984/2
Matrix: Water
Analysis Batch: 391984

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	1052		mg/L		105	84 - 108		

Lab Sample ID: LCSD 570-391984/3
Matrix: Water
Analysis Batch: 391984

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	1004		mg/L		100	84 - 108	5	10

Lab Sample ID: 570-163442-A-6 DU
Matrix: Water
Analysis Batch: 391984

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1060			1064		mg/L				0.6	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: MB 570-391985/1
Matrix: Water
Analysis Batch: 391985

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			12/12/23 17:35	1

Lab Sample ID: LCS 570-391985/2
Matrix: Water
Analysis Batch: 391985

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	1028		mg/L		103	84 - 108		

Lab Sample ID: LCSD 570-391985/3
Matrix: Water
Analysis Batch: 391985

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	1026		mg/L		103	84 - 108	0	10

Lab Sample ID: 570-163531-1 DU
Matrix: Water
Analysis Batch: 391985

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	968			963.0		mg/L				1	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-392386/1
Matrix: Water
Analysis Batch: 392386

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			12/13/23 15:52	1

Lab Sample ID: LCS 570-392386/2
Matrix: Water
Analysis Batch: 392386

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	100.2		mg/L		100	80 - 120		

Lab Sample ID: LCSD 570-392386/3
Matrix: Water
Analysis Batch: 392386

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	100.5		mg/L		100	80 - 120	0	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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

Lab Sample ID: 570-163619-C-2 MS
Matrix: Water
Analysis Batch: 392386

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	661		1000	1657		mg/L		100	75 - 125

Lab Sample ID: 570-163619-C-2 MSD
Matrix: Water
Analysis Batch: 392386

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	661		1000	1656		mg/L		99	75 - 125	0	15

Lab Sample ID: 570-163619-C-2 DU
Matrix: Water
Analysis Batch: 392386

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	661		667.5		mg/L		0.9	15

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

GC/MS VOA

Analysis Batch: 392765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	8260B	
570-163531-2	MW-22	Total/NA	Water	8260B	
570-163531-3	MW-28	Total/NA	Water	8260B	
570-163531-4	MW-29	Total/NA	Water	8260B	
570-163531-5	MW-30	Total/NA	Water	8260B	
570-163531-6	MW-31	Total/NA	Water	8260B	
570-163531-7	MW-37	Total/NA	Water	8260B	
570-163531-8	MW-38	Total/NA	Water	8260B	
570-163531-9	TB	Total/NA	Water	8260B	
MB 570-392765/6	Method Blank	Total/NA	Water	8260B	
LCS 570-392765/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-392765/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 390199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	3510C	
570-163531-2	MW-22	Total/NA	Water	3510C	
570-163531-3	MW-28	Total/NA	Water	3510C	
570-163531-4	MW-29	Total/NA	Water	3510C	
570-163531-5	MW-30	Total/NA	Water	3510C	
570-163531-6	MW-31	Total/NA	Water	3510C	
570-163531-7	MW-37	Total/NA	Water	3510C	
570-163531-8	MW-38	Total/NA	Water	3510C	
MB 570-390199/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-390199/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-390199/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 390553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-390199/1-A	Method Blank	Total/NA	Water	8270C SIM	390199

Analysis Batch: 390690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-390199/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	390199
LCSD 570-390199/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	390199

Analysis Batch: 390695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	8270C SIM	390199
570-163531-2	MW-22	Total/NA	Water	8270C SIM	390199
570-163531-3	MW-28	Total/NA	Water	8270C SIM	390199
570-163531-4	MW-29	Total/NA	Water	8270C SIM	390199
570-163531-5	MW-30	Total/NA	Water	8270C SIM	390199
570-163531-6	MW-31	Total/NA	Water	8270C SIM	390199
570-163531-7	MW-37	Total/NA	Water	8270C SIM	390199
570-163531-8	MW-38	Total/NA	Water	8270C SIM	390199

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

HPLC/IC

Analysis Batch: 392527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	9056A	
570-163531-2	MW-22	Total/NA	Water	9056A	
570-163531-3	MW-28	Total/NA	Water	9056A	
570-163531-4	MW-29	Total/NA	Water	9056A	
570-163531-5	MW-30	Total/NA	Water	9056A	
570-163531-5 - DL	MW-30	Total/NA	Water	9056A	
570-163531-6	MW-31	Total/NA	Water	9056A	
570-163531-6 - DL	MW-31	Total/NA	Water	9056A	
570-163531-7	MW-37	Total/NA	Water	9056A	
570-163531-7 - DL	MW-37	Total/NA	Water	9056A	
570-163531-8	MW-38	Total/NA	Water	9056A	
570-163531-8 - DL	MW-38	Total/NA	Water	9056A	
MB 570-392527/5	Method Blank	Total/NA	Water	9056A	
LCS 570-392527/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 570-392527/7	Lab Control Sample Dup	Total/NA	Water	9056A	
570-163808-C-5 MS	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MS - DL	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
570-163808-C-5 MSD - DL	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 391242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total Recoverable	Water	3005A	
570-163531-2	MW-22	Total Recoverable	Water	3005A	
570-163531-3	MW-28	Total Recoverable	Water	3005A	
570-163531-4	MW-29	Total Recoverable	Water	3005A	
570-163531-5	MW-30	Total Recoverable	Water	3005A	
570-163531-6	MW-31	Total Recoverable	Water	3005A	
570-163531-7	MW-37	Total Recoverable	Water	3005A	
570-163531-8	MW-38	Total Recoverable	Water	3005A	
MB 570-391242/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391242/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391242/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163531-1 MS	MW-11	Total Recoverable	Water	3005A	
570-163531-1 MSD	MW-11	Total Recoverable	Water	3005A	

Prep Batch: 391676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total Recoverable	Water	3005A	
570-163531-2	MW-22	Total Recoverable	Water	3005A	
570-163531-3	MW-28	Total Recoverable	Water	3005A	
570-163531-4	MW-29	Total Recoverable	Water	3005A	
570-163531-5	MW-30	Total Recoverable	Water	3005A	
570-163531-6	MW-31	Total Recoverable	Water	3005A	
570-163531-7	MW-37	Total Recoverable	Water	3005A	
570-163531-8	MW-38	Total Recoverable	Water	3005A	
MB 570-391676/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391676/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391676/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Metals (Continued)

Prep Batch: 391676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163895-G-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-163895-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 391807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	245.1	
570-163531-2	MW-22	Total/NA	Water	245.1	
570-163531-3	MW-28	Total/NA	Water	245.1	
570-163531-4	MW-29	Total/NA	Water	245.1	
570-163531-5	MW-30	Total/NA	Water	245.1	
570-163531-6	MW-31	Total/NA	Water	245.1	
570-163531-7	MW-37	Total/NA	Water	245.1	
570-163531-8	MW-38	Total/NA	Water	245.1	
MB 570-391807/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-391807/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-391807/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-163531-2 MS	MW-22	Total/NA	Water	245.1	
570-163531-2 MSD	MW-22	Total/NA	Water	245.1	

Analysis Batch: 391934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total Recoverable	Water	6020	391676
570-163531-2	MW-22	Total Recoverable	Water	6020	391676
570-163531-3	MW-28	Total Recoverable	Water	6020	391676
570-163531-4	MW-29	Total Recoverable	Water	6020	391676
570-163531-5	MW-30	Total Recoverable	Water	6020	391676
570-163531-6	MW-31	Total Recoverable	Water	6020	391676
570-163531-7	MW-37	Total Recoverable	Water	6020	391676
570-163531-8	MW-38	Total Recoverable	Water	6020	391676
MB 570-391676/1-A	Method Blank	Total Recoverable	Water	6020	391676
LCS 570-391676/2-A	Lab Control Sample	Total Recoverable	Water	6020	391676
LCSD 570-391676/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	391676
570-163895-G-1-B MS	Matrix Spike	Total Recoverable	Water	6020	391676
570-163895-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	391676

Analysis Batch: 392133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total Recoverable	Water	6010B	391242
570-163531-2	MW-22	Total Recoverable	Water	6010B	391242
570-163531-3	MW-28	Total Recoverable	Water	6010B	391242
570-163531-4	MW-29	Total Recoverable	Water	6010B	391242
570-163531-5	MW-30	Total Recoverable	Water	6010B	391242
570-163531-6	MW-31	Total Recoverable	Water	6010B	391242
570-163531-7	MW-37	Total Recoverable	Water	6010B	391242
570-163531-8	MW-38	Total Recoverable	Water	6010B	391242
MB 570-391242/1-A	Method Blank	Total Recoverable	Water	6010B	391242
LCS 570-391242/2-A	Lab Control Sample	Total Recoverable	Water	6010B	391242
LCSD 570-391242/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	391242
570-163531-1 MS	MW-11	Total Recoverable	Water	6010B	391242
570-163531-1 MSD	MW-11	Total Recoverable	Water	6010B	391242

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Metals

Analysis Batch: 392412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-2	MW-22	Total/NA	Water	245.1	391807
MB 570-391807/1-A	Method Blank	Total/NA	Water	245.1	391807
LCS 570-391807/2-A	Lab Control Sample	Total/NA	Water	245.1	391807
LCSD 570-391807/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	391807
570-163531-2 MS	MW-22	Total/NA	Water	245.1	391807
570-163531-2 MSD	MW-22	Total/NA	Water	245.1	391807

Analysis Batch: 392504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	245.1	391807
570-163531-3	MW-28	Total/NA	Water	245.1	391807
570-163531-4	MW-29	Total/NA	Water	245.1	391807
570-163531-5	MW-30	Total/NA	Water	245.1	391807
570-163531-6	MW-31	Total/NA	Water	245.1	391807
570-163531-7	MW-37	Total/NA	Water	245.1	391807

Analysis Batch: 392859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-8	MW-38	Total/NA	Water	245.1	391807

General Chemistry

Analysis Batch: 391984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-5	MW-30	Total/NA	Water	SM 2540C	
MB 570-391984/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-391984/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-391984/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-163442-A-6 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 391985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	SM 2540C	
570-163531-2	MW-22	Total/NA	Water	SM 2540C	
570-163531-3	MW-28	Total/NA	Water	SM 2540C	
570-163531-4	MW-29	Total/NA	Water	SM 2540C	
570-163531-6	MW-31	Total/NA	Water	SM 2540C	
570-163531-7	MW-37	Total/NA	Water	SM 2540C	
570-163531-8	MW-38	Total/NA	Water	SM 2540C	
MB 570-391985/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-391985/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-391985/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-163531-1 DU	MW-11	Total/NA	Water	SM 2540C	

Analysis Batch: 392386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	SM 4500 Cl- C	
570-163531-2	MW-22	Total/NA	Water	SM 4500 Cl- C	
570-163531-3	MW-28	Total/NA	Water	SM 4500 Cl- C	
570-163531-4	MW-29	Total/NA	Water	SM 4500 Cl- C	
570-163531-5	MW-30	Total/NA	Water	SM 4500 Cl- C	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

General Chemistry (Continued)

Analysis Batch: 392386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-6	MW-31	Total/NA	Water	SM 4500 Cl- C	
570-163531-7	MW-37	Total/NA	Water	SM 4500 Cl- C	
570-163531-8	MW-38	Total/NA	Water	SM 4500 Cl- C	
MB 570-392386/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-392386/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-392386/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 393111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163531-1	MW-11	Total/NA	Water	SM 2320B	
570-163531-2	MW-22	Total/NA	Water	SM 2320B	
570-163531-3	MW-28	Total/NA	Water	SM 2320B	
570-163531-4	MW-29	Total/NA	Water	SM 2320B	
570-163531-5	MW-30	Total/NA	Water	SM 2320B	
570-163531-6	MW-31	Total/NA	Water	SM 2320B	
570-163531-7	MW-37	Total/NA	Water	SM 2320B	
570-163531-8	MW-38	Total/NA	Water	SM 2320B	
MB 570-393111/35	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-393111/33	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-393111/34	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-163736-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-11

Date Collected: 12/06/23 10:35
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-1

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		4	20 mL	20 mL	392765	12/15/23 03:49	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1031.8 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 12:52	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 18:33	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 22:50	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:33	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:13	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 18:35	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-22

Date Collected: 12/06/23 10:05
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-2

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		2	20 mL	20 mL	392765	12/15/23 04:15	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1031.7 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 13:15	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 18:50	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392412	12/13/23 17:23	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:47	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:16	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-22

Date Collected: 12/06/23 10:05
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-2
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	SM 2320B		1	10 mL	10 mL	393111	12/14/23 18:41	ZL4M	EET CAL 4
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	20 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-28

Date Collected: 12/06/23 14:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-3
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	392765	12/15/23 01:17	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1029.1 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 13:37	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/14/23 19:07	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 22:52	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:49	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:25	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 18:48	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-29

Date Collected: 12/06/23 14:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-4
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	392765	12/15/23 01:42	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1035.1 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 14:00	UFLE	EET CAL 4
	Instrument ID: GCMSMM									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-29

Date Collected: 12/06/23 14:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-4
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	9056A		2	4 mL	4 mL	392527	12/14/23 19:24	U9XB	EET CAL 4
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 22:54	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:52	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:27	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 18:54	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	20 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-30

Date Collected: 12/06/23 13:50
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-5
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	392765	12/15/23 02:08	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1019.4 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 14:22	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/14/23 19:41	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Analysis	9056A	DL	10	4 mL	4 mL	392527	12/14/23 23:20	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 22:56	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:54	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:30	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 19:01	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391984	12/12/23 17:30	JB	EET CAL 4
	Instrument ID: BAL100									

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-30
Lab Sample ID: 570-163531-5
Date Collected: 12/06/23 13:50
Matrix: Water
Date Received: 12/07/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- C		1	20 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4

Client Sample ID: MW-31
Lab Sample ID: 570-163531-6
Date Collected: 12/06/23 11:35
Matrix: Water
Date Received: 12/07/23 09:45

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	392765	12/15/23 02:33	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1060 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 14:45	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/14/23 19:57	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Analysis	9056A	DL	10	4 mL	4 mL	392527	12/15/23 00:10	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 22:58	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:57	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:32	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 19:07	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-37
Lab Sample ID: 570-163531-7
Date Collected: 12/06/23 12:55
Matrix: Water
Date Received: 12/07/23 09:45

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	392765	12/15/23 02:58	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1023.6 mL	2 mL	390199	12/07/23 09:58	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 15:07	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/14/23 20:48	U9XB	EET CAL 4
	Instrument ID: IC27									

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-37
Date Collected: 12/06/23 12:55
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-7
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	9056A	DL	10	4 mL	4 mL	392527	12/15/23 00:27	U9XB	EET CAL 4
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392504	12/13/23 23:00	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 01:59	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:34	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 19:13	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-38
Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-8
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	392765	12/15/23 03:24	N5PD	EET CAL 4
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1006.5 mL	2 mL	390199	12/08/23 05:32	H1SH	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	390695	12/08/23 15:30	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/14/23 21:05	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Analysis	9056A	DL	10	4 mL	4 mL	392527	12/15/23 00:44	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	391807	12/12/23 11:50	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392859	12/14/23 17:01	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 02:01	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:36	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393111	12/14/23 19:20	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	391985	12/12/23 17:35	ZL7L	EET CAL 4
	Instrument ID: BAL100									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

Client Sample ID: MW-38
Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-8
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	SM 4500 Cl- C		1	10 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4

Client Sample ID: TB
Date Collected: 12/06/23 12:20
Date Received: 12/07/23 09:45

Lab Sample ID: 570-163531-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	392765	12/14/23 20:12	N5PD	EET CAL 4
	Instrument ID: GCMSWW									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 570-163531-1
Project/Site: ExxonMobil Gladiola Station/238000257

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	02-02-24

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 2320B		Water	Bicarbonate (as CaCO3)
SM 4500 Cl- C		Water	Chloride

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163531-1

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
9056A	Anions, Ion Chromatography	SW846	EET CAL 4
245.1	Mercury (CVAA)	EPA	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
6020	Metals (ICP/MS)	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

163531
NSSB

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TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 4

ExxonMobil Engr: Chris Bear

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

GLOBAL ID # COELT LOG CODE:

PROJECT CONTACT: James Anderson

SAMPLER(S):

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

570-163531 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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE	
1	MW-1	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
2	MW-2	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3	MW-3	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
4	MW-4	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
5	MW-5	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
6	MW-6	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
7	MW-7	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
8	MW-9	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
9	MW-10	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
10	MW-11	--	12-6-23	1035	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
11	MW-12	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
12	Trip Blank				W	2	X								

Relinquished by: (Signature) M Gade (Fedex)	Received by: (Signature) 12-6-23 Fedex	Date, & Time: 16:30
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/7/23 0945
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

3.7/3.6 SCR

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TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 2 OF 4

ExxonMobil Engr: Chris Bear

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

GLOBAL ID # / COELT LOG CODE:

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

SAMPLER(S):

LAB USE ONLY

COOLER RECEIPT Temp = _____ °C

TURNAROUND TIME: ☐ SAME ☐ 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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE	
1	MW-13	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
2	MW-14	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3	MW-15	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
4	MW-16	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
5	MW-17	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
6	MW-18	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
7	MW-19	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
8	MW-20	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
9	MW-21	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
10	MW-22	--	12/6/23	10:05	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
11	MW-23	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
12	Trip Blank				W	2	X								

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12-6-23 16:30
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/7/23 0930
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

(2)

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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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 3 OF 4

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 805-457-8956 James.Anderson@Stantec.com
PROJECT CONTACT: James Anderson
SAMPLER(S):
GLOBAL ID # / COELT LOG CODE:
EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = _____ °C

TURNAROUND TIME: ☐ SAM ☐ 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	MAT-RIX	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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE	
1	MW-24	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
2	MW-25	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3	MW-26	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
4	MW-27	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
5	MW-28	--	12-6-23	14:55	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
6	MW-29	--	12-6-23	14:20	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
7	MW-30	--	12-6-23	13:50	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
8	MW-31	--	12-6-23	11:35	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
9	MW-32	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
10	MW-33	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
11	MW-34	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
12	Trip Blank	--			W	2	X								

DONE

	Relinquished by: (Signature)	Received by: (Signature)	Date, & Time
	Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/7/23
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MW-28 @ 14:20 MY

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TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 4 OF 4

ExxonMobil Engr: Chris Bear

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

GLOBAL ID # / COELT LOG CODE:

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

LAB USE ONLY

SAMPLER(S):

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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE
1	MW-35	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
2	MW-36	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
3	MW-37	--	12-6-23	12:55	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
4	MW-38	--	12-6-23	12:20	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
5		--												
6		--												
7		--												
8		--												
9		--												
10		--												
11		--												
12	Trip Blank		12-6-23	12:20	W	2	X							

Relinquished by: (Signature) Mah Yadh	Received by (Signature) Fedex	Date, & Time: 12-6-23	
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/7/23 0945	

ORIGIN ID:DTHA (214) 972-5800
MARK LACH (GUEST)
HOLIDAY INN EXPRESS HOTEL & SUITE
3600 N. LOVINGTON HWY
HOBBS, NM 88240
UNITED STATES US

SHIPPING DEPARTMENT
EUROFINS CALSCIENCE
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(714) 895-5494
REF: S570-88151

570-163531 Waybill

RMA:

FedEx Express

TRK# 0221 7174 2901 2156

RETURNS MON-SAT
PRIORITY OVERNIGHT

THU - 07 DEC 12:00

92780
CA-US SNA

A7 DTHA

FedEx
TRK# 0221 7174 2901 2156

RETURNS MON-SAT
PRIORITY OVERNIGHT

THU - 07 DEC 12:00

92780
CA-US SNA

A7 DTHA

#5511054 12/06 583J2/7C14/9AE3

TRK# 0221 7174 2901 2097

RETURNS MON-SAT
PRIORITY OVERNIGHT

THU - 07 DEC 12:00

92780
CA-US SNA

A7 DTHA

#5511054 12/06 583J2/7C14/9AE3

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 570-163531-1

Login Number: 163531 **List Source: Eurofins Calscience**
List Number: 1
Creator: Gutierrez, Rebecca

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	

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

ExxonMobil Gladiola Station/238000257

JOB NUMBER

570-163808-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Released to Imaging: 12/16/2024 10:44:58 AM

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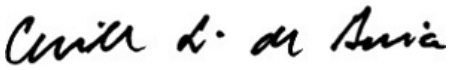
Eurofins Calscience

Job Notes

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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



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

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Laboratory Job ID: 570-163808-1

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Chain of Custody 29
Receipt Checklists 31

Sample Summary

Client: Stantec Consulting Services Inc
Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-163808-1	MW-2	Water	12/07/23 12:20	12/08/23 09:45
570-163808-2	MW-4	Water	12/07/23 12:45	12/08/23 09:45
570-163808-3	MW-12	Water	12/07/23 13:20	12/08/23 09:45
570-163808-4	MW-18	Water	12/07/23 14:30	12/08/23 09:45
570-163808-5	MW-19	Water	12/07/23 13:30	12/08/23 09:45

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

Qualifiers

HPLC/IC

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

General Chemistry

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.

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: Stantec Consulting Services Inc Job ID: 570-163808-1
Project: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1 Eurofins Calscience

Job Narrative
570-163808-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/8/2023 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 time was 3.3°C

Receipt Exceptions
The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GWGW4706 (570-163468-6), GWGW4704 (570-163711-2), GWGW4701 (570-163711-6), MW-2 (570-163808-1), MW-4 (570-163808-2) and MW-18 (570-163808-4). The sample(s) was preserved to the appropriate pH in the laboratory.

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

Metals
Method 6010B: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GWGW4706 (570-163468-6), GWGW4704 (570-163711-2), GWGW4701 (570-163711-6), MW-2 (570-163808-1), MW-4 (570-163808-2) and MW-18 (570-163808-4). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6010B: The post digestion spike % recovery for Silver associated with batch 570-392133 was outside of control limits. The associated sample is: (570-163531-G-1-A PDS).

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-391242 and analytical batch 570-392133 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6010B: The method blank for preparation batch 570-391242 and analytical batch 570-392133 contained Barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010B: The method blank for preparation batch 570-391718 and analytical batch 570-393796 contained Cadmium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GWGW4706 (570-163468-6), GWGW4704 (570-163711-2), GWGW4701 (570-163711-6), MW-2 (570-163808-1), MW-4 (570-163808-2) and MW-18 (570-163808-4). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6020: The method blank for preparation batch 570-391225 and analytical batch 570-391433 contained Sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: Due to the high concentration of Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch

Case Narrative

Client: Stantec Consulting Services Inc Job ID: 570-163808-1
Project: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1 (Continued) Eurofins Calscience

570-391225 and analytical batch 570-391433 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Client Sample ID: MW-2 — Lab Sample ID: 570-163808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	2.0		0.20	0.082	mg/L	2		9056A	Total/NA
Arsenic	0.0530	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Calcium	185000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	141000		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	3590		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	120000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	821		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	821		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1010		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	3.93		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 570-163808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.89		0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	0.79	J	2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0556	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Calcium	332000		500	123	ug/L	5		6020	Total Recoverable
Magnesium	274000		500	75.3	ug/L	5		6020	Total Recoverable
Potassium	3100		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	48700		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	1170		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	1170		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1310		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	1.21	J	2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 570-163808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.11	J	0.20	0.082	mg/L	2		9056A	Total/NA
Sulfate	0.59	J	2.0	0.47	mg/L	2		9056A	Total/NA
Arsenic	0.0200	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Calcium	74600		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	139000		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	1270		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	20200	B	100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	708		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	708		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	820		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	0.906	J	2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Client Sample ID: MW-18 — Lab Sample ID: 570-163808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.64		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate	7.4		1.0	0.24	mg/L	1		9056A	Total/NA
Calcium	45500		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	94100		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	1620		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	455000		500	69.5	ug/L	5		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	1180		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	1180		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1600		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	68.3		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 570-163808-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.39		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate	3.5		1.0	0.24	mg/L	1		9056A	Total/NA
Calcium	68000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	39700		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	2330		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	129000	B	100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	491		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	491		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	691		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	40.2		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-2
Lab Sample ID: 570-163808-1
Date Collected: 12/07/23 12:20
Matrix: Water
Date Received: 12/08/23 09:45

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	2.0		0.20	0.082	mg/L			12/15/23 03:33	2
Sulfate	ND		2.0	0.47	mg/L			12/15/23 03:33	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0530	J	0.100	0.0199	mg/L		12/12/23 10:26	12/16/23 23:56	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	185000		100	24.6	ug/L		12/12/23 09:48	12/13/23 12:18	1
Magnesium	141000		100	15.1	ug/L		12/12/23 09:48	12/13/23 12:18	1
Potassium	3590		100	16.6	ug/L		12/12/23 09:48	12/13/23 12:18	1
Sodium	120000		100	13.9	ug/L		12/12/23 09:48	12/13/23 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	821		5.00	2.18	mg/L			12/15/23 19:36	1
Bicarbonate (as CaCO3) (SM 2320B)	821		5.00	2.18	mg/L			12/15/23 19:36	1
Total Dissolved Solids (SM 2540C)	1010		10.0	8.70	mg/L			12/14/23 20:27	1
Chloride (SM 4500 Cl- C)	3.93		2.00	0.596	mg/L			12/13/23 15:53	1

Client Sample ID: MW-4
Lab Sample ID: 570-163808-2
Date Collected: 12/07/23 12:45
Matrix: Water
Date Received: 12/08/23 09:45

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.89		0.20	0.082	mg/L			12/15/23 03:50	2
Sulfate	0.79	J	2.0	0.47	mg/L			12/15/23 03:50	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0556	J	0.100	0.0199	mg/L		12/12/23 10:26	12/16/23 23:58	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	332000		500	123	ug/L		12/12/23 09:48	12/13/23 12:29	5
Magnesium	274000		500	75.3	ug/L		12/12/23 09:48	12/13/23 12:29	5
Potassium	3100		100	16.6	ug/L		12/12/23 09:48	12/13/23 12:20	1
Sodium	48700		100	13.9	ug/L		12/12/23 09:48	12/13/23 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	1170		5.00	2.18	mg/L			12/15/23 19:44	1
Bicarbonate (as CaCO3) (SM 2320B)	1170		5.00	2.18	mg/L			12/15/23 19:44	1
Total Dissolved Solids (SM 2540C)	1310		20.0	17.4	mg/L			12/14/23 20:27	1
Chloride (SM 4500 Cl- C)	1.21	J	2.00	0.596	mg/L			12/13/23 15:53	1

Client Sample Results

Client: Stantec Consulting Services Inc Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-12 Lab Sample ID: 570-163808-3

Date Collected: 12/07/23 13:20 **Matrix: Water**
Date Received: 12/08/23 09:45

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.11	J	0.20	0.082	mg/L			12/15/23 04:06	2
Sulfate	0.59	J	2.0	0.47	mg/L			12/15/23 04:06	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0200	J	0.100	0.0199	mg/L		12/11/23 09:32	12/13/23 02:33	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74600		100	24.6	ug/L		12/11/23 08:52	12/11/23 17:04	1
Magnesium	139000		100	15.1	ug/L		12/11/23 08:52	12/11/23 17:04	1
Potassium	1270		100	16.6	ug/L		12/11/23 08:52	12/11/23 17:04	1
Sodium	20200	B	100	13.9	ug/L		12/11/23 08:52	12/11/23 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	708		5.00	2.18	mg/L			12/15/23 19:51	1
Bicarbonate (as CaCO3) (SM 2320B)	708		5.00	2.18	mg/L			12/15/23 19:51	1
Total Dissolved Solids (SM 2540C)	820		10.0	8.70	mg/L			12/14/23 20:27	1
Chloride (SM 4500 Cl- C)	0.906	J	2.00	0.596	mg/L			12/13/23 15:53	1

Client Sample ID: MW-18 Lab Sample ID: 570-163808-4

Date Collected: 12/07/23 14:30 **Matrix: Water**
Date Received: 12/08/23 09:45

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.64		0.10	0.041	mg/L			12/15/23 04:23	1
Sulfate	7.4		1.0	0.24	mg/L			12/15/23 04:23	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		12/12/23 10:26	12/17/23 00:08	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	45500		100	24.6	ug/L		12/12/23 09:48	12/13/23 12:23	1
Magnesium	94100		100	15.1	ug/L		12/12/23 09:48	12/13/23 12:23	1
Potassium	1620		100	16.6	ug/L		12/12/23 09:48	12/13/23 12:23	1
Sodium	455000		500	69.5	ug/L		12/12/23 09:48	12/13/23 12:31	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	1180		5.00	2.18	mg/L			12/15/23 19:59	1
Bicarbonate (as CaCO3) (SM 2320B)	1180		5.00	2.18	mg/L			12/15/23 19:59	1
Total Dissolved Solids (SM 2540C)	1600		20.0	17.4	mg/L			12/14/23 20:27	1
Chloride (SM 4500 Cl- C)	68.3		2.00	0.596	mg/L			12/20/23 15:20	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Client Sample ID: MW-19

Date Collected: 12/07/23 13:30
Date Received: 12/08/23 09:45

Lab Sample ID: 570-163808-5

Matrix: Water

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.39		0.10	0.041	mg/L			12/15/23 04:40	1
Sulfate	3.5		1.0	0.24	mg/L			12/15/23 04:40	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		12/11/23 09:32	12/13/23 02:35	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	68000		100	24.6	ug/L		12/11/23 08:52	12/11/23 17:02	1
Magnesium	39700		100	15.1	ug/L		12/11/23 08:52	12/11/23 17:02	1
Potassium	2330		100	16.6	ug/L		12/11/23 08:52	12/11/23 17:02	1
Sodium	129000	B	100	13.9	ug/L		12/11/23 08:52	12/11/23 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	491		5.00	2.18	mg/L			12/15/23 20:05	1
Bicarbonate (as CaCO3) (SM 2320B)	491		5.00	2.18	mg/L			12/15/23 20:05	1
Total Dissolved Solids (SM 2540C)	691		10.0	8.70	mg/L			12/14/23 20:27	1
Chloride (SM 4500 Cl- C)	40.2		2.00	0.596	mg/L			12/20/23 15:20	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 570-392527/5
Matrix: Water
Analysis Batch: 392527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.041	mg/L			12/14/23 03:20	1
Sulfate	ND		1.0	0.24	mg/L			12/14/23 03:20	1

Lab Sample ID: LCS 570-392527/6
Matrix: Water
Analysis Batch: 392527

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			5.00	4.871		mg/L		97	80 - 120		
Sulfate			50.0	49.80		mg/L		100	80 - 120		

Lab Sample ID: LCSD 570-392527/7
Matrix: Water
Analysis Batch: 392527

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
Bromide			5.00	4.815		mg/L		96	80 - 120	1	15
Sulfate			50.0	49.86		mg/L		100	80 - 120	0	15

Lab Sample ID: 570-163808-5 MS
Matrix: Water
Analysis Batch: 392527

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	0.39		5.00	5.378		mg/L		100	80 - 120		
Sulfate	3.5		50.0	55.03		mg/L		103	80 - 120		

Lab Sample ID: 570-163808-5 MSD
Matrix: Water
Analysis Batch: 392527

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.39		5.00	5.363		mg/L		99	80 - 120	0	15
Sulfate	3.5		50.0	55.30		mg/L		104	80 - 120	0	15

Method: 9056A - Anions, Ion Chromatography - DL

Lab Sample ID: 570-163808-5 MS
Matrix: Water
Analysis Batch: 392527

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide - DL	ND		5.00	5.011		mg/L		100	80 - 120		
Sulfate - DL	4.7	J	50.0	49.33		mg/L		89	80 - 120		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: 9056A - Anions, Ion Chromatography - DL (Continued)

Lab Sample ID: 570-163808-5 MSD
Matrix: Water
Analysis Batch: 392527

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide - DL	ND		5.00	4.786		mg/L		96	80 - 120	5	15
Sulfate - DL	4.7	J	50.0	50.12		mg/L		91	80 - 120	2	15

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-163673-J-2-B MS
Matrix: Water
Analysis Batch: 393796

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 391718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0211	J	0.500	0.5470		mg/L		105	80 - 140

Lab Sample ID: 570-163673-J-2-C MSD
Matrix: Water
Analysis Batch: 393796

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 391718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0211	J	0.500	0.5769		mg/L		111	80 - 140	5	11

Lab Sample ID: MB 570-391242/1-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		12/11/23 09:32	12/13/23 01:23	1

Lab Sample ID: LCS 570-391242/2-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4957		mg/L		99	80 - 120

Lab Sample ID: LCSD 570-391242/3-A
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.5008		mg/L		100	80 - 120	1	20

Lab Sample ID: 570-163531-G-1-B MS
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.5147		mg/L		103	80 - 140

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

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

Lab Sample ID: 570-163531-G-1-C MSD
Matrix: Water
Analysis Batch: 392133

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 391242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5102		mg/L		102	80 - 140	1	11

Lab Sample ID: MB 570-391718/1-A
Matrix: Water
Analysis Batch: 393796

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		12/12/23 10:26	12/16/23 22:51	1

Lab Sample ID: LCS 570-391718/2-A
Matrix: Water
Analysis Batch: 393796

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.5312		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-391718/3-A
Matrix: Water
Analysis Batch: 393796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.5232		mg/L		105	80 - 120	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: 570-163317-M-1-C MS
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 391689

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	68700		4000	71600	4	ug/L		72	80 - 120
Magnesium	9050		2000	11190	4	ug/L		107	63 - 123
Potassium	1180		2000	3115		ug/L		97	80 - 120
Sodium	36200		2000	37300	4	ug/L		54	80 - 120

Lab Sample ID: 570-163317-M-1-D MSD
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 391689

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	68700		4000	73100	4	ug/L		110	80 - 120	2	20
Magnesium	9050		2000	11380	4	ug/L		117	63 - 123	2	32
Potassium	1180		2000	3146		ug/L		98	80 - 120	1	20
Sodium	36200		2000	38080	4	ug/L		93	80 - 120	2	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-391225/1-A
Matrix: Water
Analysis Batch: 391433

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		100	24.6	ug/L		12/11/23 08:52	12/11/23 14:21	1
Magnesium	ND		100	15.1	ug/L		12/11/23 08:52	12/11/23 14:21	1
Potassium	ND		100	16.6	ug/L		12/11/23 08:52	12/11/23 14:21	1
Sodium	32.05	J	100	13.9	ug/L		12/11/23 08:52	12/11/23 14:21	1

Lab Sample ID: LCS 570-391225/2-A
Matrix: Water
Analysis Batch: 391433

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	4000	4115		ug/L		103	80 - 120
Magnesium	2000	2070		ug/L		104	80 - 120
Potassium	2000	2038		ug/L		102	80 - 120
Sodium	2000	2101		ug/L		105	80 - 120

Lab Sample ID: LCSD 570-391225/3-A
Matrix: Water
Analysis Batch: 391433

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391225

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	4000	4106		ug/L		103	80 - 120	0	20
Magnesium	2000	2065		ug/L		103	80 - 120	0	20
Potassium	2000	2024		ug/L		101	80 - 120	1	20
Sodium	2000	2096		ug/L		105	80 - 120	0	20

Lab Sample ID: 570-163916-A-1-B MS
Matrix: Water
Analysis Batch: 391433

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 391225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	24400		4000	27720	4	ug/L		84	80 - 120
Magnesium	8900		2000	11130	4	ug/L		111	63 - 123
Potassium	4170		2000	6063		ug/L		95	80 - 120

Lab Sample ID: 570-163916-A-1-C MSD
Matrix: Water
Analysis Batch: 391433

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 391225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	24400		4000	28200	4	ug/L		96	80 - 120	2	20
Magnesium	8900		2000	11300	4	ug/L		120	63 - 123	2	32
Potassium	4170		2000	6107		ug/L		97	80 - 120	1	20

Lab Sample ID: MB 570-391689/1-A
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		100	24.6	ug/L		12/12/23 09:48	12/13/23 11:58	1
Magnesium	ND		100	15.1	ug/L		12/12/23 09:48	12/13/23 11:58	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-391689/1-A
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		100	16.6	ug/L		12/12/23 09:48	12/13/23 11:58	1
Sodium	ND		100	13.9	ug/L		12/12/23 09:48	12/13/23 11:58	1

Lab Sample ID: LCS 570-391689/2-A
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	4000	3997		ug/L		100	80 - 120
Magnesium	2000	2019		ug/L		101	80 - 120
Potassium	2000	1990		ug/L		99	80 - 120
Sodium	2000	2034		ug/L		102	80 - 120

Lab Sample ID: LCSD 570-391689/3-A
Matrix: Water
Analysis Batch: 392279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391689

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	4000	4050		ug/L		101	80 - 120	1	20
Magnesium	2000	2024		ug/L		101	80 - 120	0	20
Potassium	2000	1986		ug/L		99	80 - 120	0	20
Sodium	2000	2038		ug/L		102	80 - 120	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-393771/44
Matrix: Water
Analysis Batch: 393771

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			12/15/23 17:56	1
Bicarbonate (as CaCO3)	ND		5.00	2.18	mg/L			12/15/23 17:56	1

Lab Sample ID: LCS 570-393771/42
Matrix: Water
Analysis Batch: 393771

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	95.33		mg/L		90	78 - 110

Lab Sample ID: LCSD 570-393771/43
Matrix: Water
Analysis Batch: 393771

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	95.50		mg/L		90	78 - 110	0	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 570-164573-D-1 DU
Matrix: Water
Analysis Batch: 393771

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)	70.5			70.26		mg/L				0.3	25
Bicarbonate (as CaCO3)	70.5			70.26		mg/L				0.3	25

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

Lab Sample ID: MB 570-392914/1
Matrix: Water
Analysis Batch: 392914

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			12/14/23 20:27	1

Lab Sample ID: LCS 570-392914/2
Matrix: Water
Analysis Batch: 392914

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	1056		mg/L		106	84 - 108		

Lab Sample ID: LCSD 570-392914/3
Matrix: Water
Analysis Batch: 392914

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	996.0		mg/L		100	84 - 108	6	10

Lab Sample ID: 570-163680-K-8 DU
Matrix: Water
Analysis Batch: 392914

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2220			2262		mg/L				2	10

Lab Sample ID: 570-163782-B-6 DU
Matrix: Water
Analysis Batch: 392914

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	972			1010		mg/L				4	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-392386/1
Matrix: Water
Analysis Batch: 392386

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			12/13/23 15:52	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

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

Lab Sample ID: LCS 570-392386/2
Matrix: Water
Analysis Batch: 392386

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	100.2		mg/L		100	80 - 120		

Lab Sample ID: LCSD 570-392386/3
Matrix: Water
Analysis Batch: 392386

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	100.5		mg/L		100	80 - 120	0	10

Lab Sample ID: 570-163619-C-2 MS
Matrix: Water
Analysis Batch: 392386

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	661		1000	1657		mg/L		100	75 - 125		

Lab Sample ID: 570-163619-C-2 MSD
Matrix: Water
Analysis Batch: 392386

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	661		1000	1656		mg/L		99	75 - 125	0	15

Lab Sample ID: 570-163619-C-2 DU
Matrix: Water
Analysis Batch: 392386

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	661		667.5		mg/L		0.9	15

Lab Sample ID: MB 570-394838/1
Matrix: Water
Analysis Batch: 394838

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			12/20/23 15:20	1

Lab Sample ID: LCS 570-394838/2
Matrix: Water
Analysis Batch: 394838

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	101.1		mg/L		101	80 - 120		

Lab Sample ID: LCSD 570-394838/3
Matrix: Water
Analysis Batch: 394838

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	100.3		mg/L		100	80 - 120	1	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: 570-164015-F-4 MS
Matrix: Water
Analysis Batch: 394838

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	297		1000	1307		mg/L		101	75 - 125

Lab Sample ID: 570-164015-F-4 MSD
Matrix: Water
Analysis Batch: 394838

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	297		1000	1315		mg/L		102	75 - 125	1	15

Lab Sample ID: 570-164015-F-4 DU
Matrix: Water
Analysis Batch: 394838

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	297		285.9		mg/L		4	15

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

HPLC/IC

Analysis Batch: 392527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total/NA	Water	9056A	
570-163808-2	MW-4	Total/NA	Water	9056A	
570-163808-3	MW-12	Total/NA	Water	9056A	
570-163808-4	MW-18	Total/NA	Water	9056A	
570-163808-5	MW-19	Total/NA	Water	9056A	
MB 570-392527/5	Method Blank	Total/NA	Water	9056A	
LCS 570-392527/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 570-392527/7	Lab Control Sample Dup	Total/NA	Water	9056A	
570-163808-5 MS	MW-19	Total/NA	Water	9056A	
570-163808-5 MS - DL	MW-19	Total/NA	Water	9056A	
570-163808-5 MSD	MW-19	Total/NA	Water	9056A	
570-163808-5 MSD - DL	MW-19	Total/NA	Water	9056A	

Metals

Prep Batch: 391225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-3	MW-12	Total Recoverable	Water	3005A	
570-163808-5	MW-19	Total Recoverable	Water	3005A	
MB 570-391225/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391225/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391225/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163916-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-163916-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 391242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-3	MW-12	Total Recoverable	Water	3005A	
570-163808-5	MW-19	Total Recoverable	Water	3005A	
MB 570-391242/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391242/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391242/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163531-G-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-163531-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 391433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-391225/1-A	Method Blank	Total Recoverable	Water	6020	391225
LCS 570-391225/2-A	Lab Control Sample	Total Recoverable	Water	6020	391225
LCSD 570-391225/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	391225
570-163916-A-1-B MS	Matrix Spike	Total Recoverable	Water	6020	391225
570-163916-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	391225

Analysis Batch: 391499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-3	MW-12	Total Recoverable	Water	6020	391225
570-163808-5	MW-19	Total Recoverable	Water	6020	391225

Prep Batch: 391689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total Recoverable	Water	3005A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Metals (Continued)

Prep Batch: 391689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-2	MW-4	Total Recoverable	Water	3005A	
570-163808-4	MW-18	Total Recoverable	Water	3005A	
MB 570-391689/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391689/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391689/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163317-M-1-C MS	Matrix Spike	Total/NA	Water	3005A	
570-163317-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Prep Batch: 391718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total Recoverable	Water	3005A	
570-163808-2	MW-4	Total Recoverable	Water	3005A	
570-163808-4	MW-18	Total Recoverable	Water	3005A	
MB 570-391718/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391718/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391718/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163673-J-2-B MS	Matrix Spike	Total/NA	Water	3005A	
570-163673-J-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 392133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-3	MW-12	Total Recoverable	Water	6010B	391242
570-163808-5	MW-19	Total Recoverable	Water	6010B	391242
MB 570-391242/1-A	Method Blank	Total Recoverable	Water	6010B	391242
LCS 570-391242/2-A	Lab Control Sample	Total Recoverable	Water	6010B	391242
LCSD 570-391242/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	391242
570-163531-G-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	391242
570-163531-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	391242

Analysis Batch: 392279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total Recoverable	Water	6020	391689
570-163808-2	MW-4	Total Recoverable	Water	6020	391689
570-163808-2	MW-4	Total Recoverable	Water	6020	391689
570-163808-4	MW-18	Total Recoverable	Water	6020	391689
570-163808-4	MW-18	Total Recoverable	Water	6020	391689
MB 570-391689/1-A	Method Blank	Total Recoverable	Water	6020	391689
LCS 570-391689/2-A	Lab Control Sample	Total Recoverable	Water	6020	391689
LCSD 570-391689/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	391689
570-163317-M-1-C MS	Matrix Spike	Total/NA	Water	6020	391689
570-163317-M-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6020	391689

Analysis Batch: 393796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total Recoverable	Water	6010B	391718
570-163808-2	MW-4	Total Recoverable	Water	6010B	391718
570-163808-4	MW-18	Total Recoverable	Water	6010B	391718
MB 570-391718/1-A	Method Blank	Total Recoverable	Water	6010B	391718
LCS 570-391718/2-A	Lab Control Sample	Total Recoverable	Water	6010B	391718
LCSD 570-391718/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	391718
570-163673-J-2-B MS	Matrix Spike	Total/NA	Water	6010B	391718

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Metals (Continued)

Analysis Batch: 393796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163673-J-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	391718

General Chemistry

Analysis Batch: 392386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total/NA	Water	SM 4500 Cl- C	
570-163808-2	MW-4	Total/NA	Water	SM 4500 Cl- C	
570-163808-3	MW-12	Total/NA	Water	SM 4500 Cl- C	
MB 570-392386/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-392386/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-392386/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-163619-C-2 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 392914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total/NA	Water	SM 2540C	
570-163808-2	MW-4	Total/NA	Water	SM 2540C	
570-163808-3	MW-12	Total/NA	Water	SM 2540C	
570-163808-4	MW-18	Total/NA	Water	SM 2540C	
570-163808-5	MW-19	Total/NA	Water	SM 2540C	
MB 570-392914/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-392914/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-392914/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-163680-K-8 DU	Duplicate	Total/NA	Water	SM 2540C	
570-163782-B-6 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 393771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-1	MW-2	Total/NA	Water	SM 2320B	
570-163808-2	MW-4	Total/NA	Water	SM 2320B	
570-163808-3	MW-12	Total/NA	Water	SM 2320B	
570-163808-4	MW-18	Total/NA	Water	SM 2320B	
570-163808-5	MW-19	Total/NA	Water	SM 2320B	
MB 570-393771/44	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-393771/42	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-393771/43	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-164573-D-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 394838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-163808-4	MW-18	Total/NA	Water	SM 4500 Cl- C	
570-163808-5	MW-19	Total/NA	Water	SM 4500 Cl- C	
MB 570-394838/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-394838/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-394838/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-164015-F-4 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-164015-F-4 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-164015-F-4 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW-2
Lab Sample ID: 570-163808-1
Date Collected: 12/07/23 12:20
Matrix: Water
Date Received: 12/08/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/15/23 03:33	U9XB	EET CAL 4
	Instrument ID: IC27									
Total Recoverable	Prep	3005A			50 mL	50 mL	391718	12/12/23 10:26	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			393796	12/16/23 23:56	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391689	12/12/23 09:48	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			392279	12/13/23 12:18	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393771	12/15/23 19:36	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392914	12/14/23 20:27	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-4
Lab Sample ID: 570-163808-2
Date Collected: 12/07/23 12:45
Matrix: Water
Date Received: 12/08/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/15/23 03:50	U9XB	EET CAL 4
	Instrument ID: IC27									
Total Recoverable	Prep	3005A			50 mL	50 mL	391718	12/12/23 10:26	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			393796	12/16/23 23:58	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391689	12/12/23 09:48	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			392279	12/13/23 12:20	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total Recoverable	Prep	3005A			50 mL	50 mL	391689	12/12/23 09:48	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		5			392279	12/13/23 12:29	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393771	12/15/23 19:44	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	392914	12/14/23 20:27	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-12
Lab Sample ID: 570-163808-3
Date Collected: 12/07/23 13:20
Matrix: Water
Date Received: 12/08/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		2	4 mL	4 mL	392527	12/15/23 04:06	U9XB	EET CAL 4
	Instrument ID: IC27									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Client Sample ID: MW-12

Date Collected: 12/07/23 13:20
Date Received: 12/08/23 09:45

Lab Sample ID: 570-163808-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 02:33	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391225	12/11/23 08:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391499	12/11/23 17:04	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393771	12/15/23 19:51	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392914	12/14/23 20:27	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	392386	12/13/23 15:53	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-18

Date Collected: 12/07/23 14:30
Date Received: 12/08/23 09:45

Lab Sample ID: 570-163808-4

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	9056A		1	4 mL	4 mL	392527	12/15/23 04:23	U9XB	EET CAL 4
	Instrument ID: IC27									
Total Recoverable	Prep	3005A			50 mL	50 mL	391718	12/12/23 10:26	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			393796	12/17/23 00:08	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391689	12/12/23 09:48	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			392279	12/13/23 12:23	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total Recoverable	Prep	3005A			50 mL	50 mL	391689	12/12/23 09:48	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		5			392279	12/13/23 12:31	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393771	12/15/23 19:59	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	392914	12/14/23 20:27	ZL7L	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW-19

Date Collected: 12/07/23 13:30
Date Received: 12/08/23 09:45

Lab Sample ID: 570-163808-5

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	9056A		1	4 mL	4 mL	392527	12/15/23 04:40	U9XB	EET CAL 4
	Instrument ID: IC27									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Client Sample ID: MW-19

Date Collected: 12/07/23 13:30
Date Received: 12/08/23 09:45

Lab Sample ID: 570-163808-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	391242	12/11/23 09:32	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392133	12/13/23 02:35	K1UV	EET CAL 4
	Instrument ID:	ICP11								
Total Recoverable	Prep	3005A			50 mL	50 mL	391225	12/11/23 08:52	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391499	12/11/23 17:02	C0YH	EET CAL 4
	Instrument ID:	ICPMS10								
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	393771	12/15/23 20:05	ZL4M	EET CAL 4
	Instrument ID:	ManSciMantech								
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392914	12/14/23 20:27	ZL7L	EET CAL 4
	Instrument ID:	BAL100								
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID:	NOEQUIP								

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 570-163808-1
Project/Site: ExxonMobil Gladiola Station/238000257

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	07-31-24

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
6020	3005A	Water	Calcium
6020	3005A	Water	Magnesium
6020	3005A	Water	Potassium
6020	3005A	Water	Sodium
9056A		Water	Bromide
9056A		Water	Sulfate

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-163808-1

Method	Method Description	Protocol	Laboratory
9056A	Anions, Ion Chromatography	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
6020	Metals (ICP/MS)	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
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4

Protocol References:

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
163808

eurofins | Calscience
2841 DOW AVE SUIT 100
TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY REC

DATE:
PAGE: 1 OF 1

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 805-457-8956 James.Anderson@Stantec.com
TURNAROUND TIME
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
SPECIAL INSTRUCTIONS: New Mexico Site. Report J values.

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

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

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 6010B As	SM 2320B Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE
1	MW-2	--	12-7-23	12:20	W	5	X	X	X	X	X	Collect groundwater underlying the LNAPL
2	MW-4	--		13:45	W	5	X	X	X	X	X	Collect groundwater underlying the LNAPL
3	MW-12	--		13:20	W	5	X	X	X	X	X	Collect groundwater underlying the LNAPL
4	MW-18	--		14:30	W	5	X	X	X	X	X	Collect groundwater underlying the LNAPL
5	MW-19	--		13:30	W	5	X	X	X	X	X	Collect groundwater underlying the LNAPL
6					W		X	X	X	X	X	
7												
8												
9												
10												
11												
12	Trip Blank		12-7-23	14:30	W	2	X					

570-163808 Chain of Custody

Relinquished by: (Signature) Mark Lach	Received by: (Signature) Fedex	Date, & Time: 12-7-23 16:30
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/8/23 9:45
Relinquished by: (Signature) COCVA Copy of Gladiola coc	Received by: (Signature)	Date, & Time:

3.4/3.3 SL12

12/21/2023


FedEx
TRK# 0221 7174 2901 2178
FRI – 08 DEC 12:00
PRIORITY OVERNIGHT
A7 DTHA
CA-US

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 570-163808-1

Login Number: 163808 **List Source: Eurofins Calscience**
List Number: 1
Creator: Gutierrez, Rebecca

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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/21/2023 7:59:33 AM

JOB DESCRIPTION

ExxonMobil Gladiola Station/238000257

JOB NUMBER

570-164015-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

Released to Imaging: 12/16/2024 10:44:58 AM

my EOL

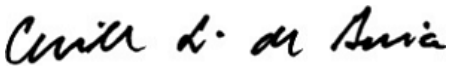
Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
12/21/2023 7:59:33 AM

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

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Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-164015-1	MW3	Water	12/07/23 10:05	12/09/23 14:30
570-164015-2	MW6	Water	12/07/23 10:55	12/09/23 14:30
570-164015-3	MW17	Water	12/07/23 09:25	12/09/23 14:30
570-164015-4	MW27	Water	12/07/23 08:55	12/09/23 14:30
570-164015-5	Trip Blank	Water	12/07/23 14:30	12/09/23 14:30

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 570-164015-1
Project/Site: ExxonMobil Gladiola Station/238000257

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.

HPLC/IC

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

General Chemistry

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.

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)

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Stantec Consulting Services Inc Job ID: 570-164015-1
Project: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1 Eurofins Calscience

Job Narrative
570-164015-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/9/2023 2:30 PM. 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 time was 1.0°C

Receipt Exceptions
The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GILF-W-20231204 (570-163353-2), MW3 (570-164015-1) and MW6 (570-164015-2). The sample(s) was preserved to the appropriate pH in the laboratory.

GC/MS VOA
Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-393281. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B_LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-393281 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Unless there is a specific client QAPP requirement, the reported analyte list for batch quality control samples (LCS, LCSD, MS and MSD) is in accordance with EPA Method 8260B. Refer to the QC Sample Results section of this report.

Method 8260B_LL: The following sample(s) 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: MW3 (570-164015-1).

Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-393358. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-393873. 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
Method 8270C_SIM_PAH: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-392491. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270C_SIM_PAH: The following sample was diluted due to the nature of the sample matrix: MW6 (570-164015-2). Elevated reporting limits (RLs) are provided.

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

Case Narrative

Client: Stantec Consulting Services Inc Job ID: 570-164015-1
Project: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1 (Continued) Eurofins Calscience

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

Metals
Method 6010B: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GILF-W-20231204 (570-163353-2), MW3 (570-164015-1) and MW6 (570-164015-2). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6020: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: GILF-W-20231204 (570-163353-2), MW3 (570-164015-1) and MW6 (570-164015-2). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6020: Due to the high concentration of Sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-392134 and analytical batch 570-392366 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW3 — Lab Sample ID: 570-164015-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	350		5.0	1.4	ug/L	10		8260B	Total/NA
Ethylbenzene	340		5.0	1.6	ug/L	10		8260B	Total/NA
Isopropylbenzene	35		5.0	2.1	ug/L	10		8260B	Total/NA
Naphthalene	42		10	5.5	ug/L	10		8260B	Total/NA
n-Butylbenzene	2.7	J	5.0	2.4	ug/L	10		8260B	Total/NA
N-Propylbenzene	30		5.0	1.8	ug/L	10		8260B	Total/NA
sec-Butylbenzene	4.2	J	5.0	2.0	ug/L	10		8260B	Total/NA
Chrysene	0.060	J	0.19	0.056	ug/L	1		8270C SIM	Total/NA
Fluorene	0.43		0.19	0.071	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	10		0.19	0.069	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	12		0.19	0.073	ug/L	1		8270C SIM	Total/NA
Naphthalene	22		0.19	0.14	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.29		0.19	0.069	ug/L	1		8270C SIM	Total/NA
Bromide	1.3		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate	0.64	J	1.0	0.24	mg/L	1		9056A	Total/NA
Arsenic	0.0392	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	9.02		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Cadmium	0.00150	J B	0.0100	0.000620	mg/L	1		6010B	Total Recoverable
Chromium	0.0489	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Lead	0.00840	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Silver	0.00470	J	0.0100	0.00259	mg/L	1		6010B	Total Recoverable
Calcium	197000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	371000		500	75.3	ug/L	5		6020	Total Recoverable
Potassium	2050		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	41100		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	1540		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	1540		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1500		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	17.4		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 570-164015-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	14		0.50	0.22	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	14		0.50	0.19	ug/L	1		8260B	Total/NA
n-Butylbenzene	4.0		0.50	0.24	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	3.3		0.50	0.20	ug/L	1		8260B	Total/NA
sec-Butylbenzene	2.6		0.50	0.20	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.56		0.50	0.21	ug/L	1		8260B	Total/NA
Chrysene	2.3		0.40	0.12	ug/L	2		8270C SIM	Total/NA
Fluorene	2.7		0.40	0.15	ug/L	2		8270C SIM	Total/NA
1-Methylnaphthalene	1.8		0.40	0.15	ug/L	2		8270C SIM	Total/NA
Phenanthrene	3.7		0.40	0.15	ug/L	2		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW6 (Continued) — Lab Sample ID: 570-164015-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0270	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.542		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Cadmium	0.00210	J B	0.0100	0.000620	mg/L	1		6010B	Total Recoverable
Chromium	0.00730	J	0.0500	0.00296	mg/L	1		6010B	Total Recoverable
Lead	0.00770	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Silver	0.00380	J	0.0100	0.00259	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	497		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	497		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	606		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	1.01	J	2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW17 — Lab Sample ID: 570-164015-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	35		5.0	1.4	ug/L	10		8260B	Total/NA
Ethylbenzene	420		5.0	1.6	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	3.4	J	5.0	2.2	ug/L	10		8260B	Total/NA
Isopropylbenzene	27		5.0	2.1	ug/L	10		8260B	Total/NA
Naphthalene	37		10	5.5	ug/L	10		8260B	Total/NA
N-Propylbenzene	26		5.0	1.8	ug/L	10		8260B	Total/NA
sec-Butylbenzene	2.6	J	5.0	2.0	ug/L	10		8260B	Total/NA
Fluorene	0.32		0.19	0.073	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	8.4		0.19	0.071	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	6.8		0.19	0.075	ug/L	1		8270C SIM	Total/NA
Naphthalene	21		0.19	0.14	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.13	J	0.19	0.071	ug/L	1		8270C SIM	Total/NA
Bromide	0.40		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate	0.36	J	1.0	0.24	mg/L	1		9056A	Total/NA
Barium	12.1		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	50900		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	219000		500	75.3	ug/L	5		6020	Total Recoverable
Potassium	1250		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	32500		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	976		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	976		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	5.54		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW27 — Lab Sample ID: 570-164015-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	0.80		0.10	0.041	mg/L	1		9056A	Total/NA
Sulfate - DL	140		10	2.4	mg/L	10		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW27 (Continued) — Lab Sample ID: 570-164015-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0458		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Calcium	135000		100	24.6	ug/L	1		6020	Total Recoverable
Magnesium	28600		100	15.1	ug/L	1		6020	Total Recoverable
Potassium	3050		100	16.6	ug/L	1		6020	Total Recoverable
Sodium	129000		100	13.9	ug/L	1		6020	Total Recoverable
Alkalinity, Total (As CaCO3)	162		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Bicarbonate (as CaCO3)	162		5.00	2.18	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1020		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	297		20.0	5.96	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-164015-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW3

Date Collected: 12/07/23 10:05
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350**		5.0	1.4	ug/L			12/15/23 21:24	10
Toluene	ND		5.0	1.4	ug/L			12/15/23 21:24	10
Ethylbenzene	**340**		5.0	1.6	ug/L			12/15/23 21:24	10
o-Xylene	ND		5.0	1.8	ug/L			12/15/23 21:24	10
m,p-Xylene	ND		10	3.9	ug/L			12/15/23 21:24	10
Xylenes, Total	ND		10	3.9	ug/L			12/15/23 21:24	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.4	ug/L			12/15/23 21:24	10
1,1,1,2-Tetrachloroethane	ND		5.0	2.0	ug/L			12/15/23 21:24	10
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			12/15/23 21:24	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.4	ug/L			12/15/23 21:24	10
1,1,2-Trichloroethane	ND		5.0	1.8	ug/L			12/15/23 21:24	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			12/15/23 21:24	10
1,1-Dichloroethane	ND		5.0	2.1	ug/L			12/15/23 21:24	10
1,1-Dichloroethene	ND		5.0	2.1	ug/L			12/15/23 21:24	10
1,1-Dichloropropene	ND		5.0	1.6	ug/L			12/15/23 21:24	10
1,2,3-Trichlorobenzene	ND		5.0	2.6	ug/L			12/15/23 21:24	10
1,2,3-Trichloropropane	ND		5.0	3.1	ug/L			12/15/23 21:24	10
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/L			12/15/23 21:24	10
1,2,4-Trimethylbenzene	ND		5.0	2.2	ug/L			12/15/23 21:24	10
1,3,5-Trimethylbenzene	ND		5.0	1.9	ug/L			12/15/23 21:24	10
c-1,2-Dichloroethene	ND		5.0	1.6	ug/L			12/15/23 21:24	10
1,2-Dibromo-3-Chloropropane	ND		10	8.4	ug/L			12/15/23 21:24	10
1,2-Dichlorobenzene	ND		5.0	1.4	ug/L			12/15/23 21:24	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			12/15/23 21:24	10
1,2-Dichloropropane	ND		5.0	1.4	ug/L			12/15/23 21:24	10
t-1,2-Dichloroethene	ND		5.0	2.2	ug/L			12/15/23 21:24	10
c-1,3-Dichloropropene	ND		5.0	1.5	ug/L			12/15/23 21:24	10
1,3-Dichlorobenzene	ND		5.0	1.6	ug/L			12/15/23 21:24	10
1,3-Dichloropropane	ND		5.0	1.9	ug/L			12/15/23 21:24	10
t-1,3-Dichloropropene	ND		5.0	2.1	ug/L			12/15/23 21:24	10
1,4-Dichlorobenzene	ND		5.0	1.1	ug/L			12/15/23 21:24	10
2,2-Dichloropropane	ND		5.0	2.6	ug/L			12/15/23 21:24	10
2-Chlorotoluene	ND		5.0	2.3	ug/L			12/15/23 21:24	10
4-Chlorotoluene	ND		5.0	2.4	ug/L			12/15/23 21:24	10
4-Methyl-2-pentanone	ND		50	16	ug/L			12/15/23 21:24	10
Acetone	ND		80	36	ug/L			12/15/23 21:24	10
Bromobenzene	ND		5.0	1.4	ug/L			12/15/23 21:24	10
Bromochloromethane	ND		10	2.7	ug/L			12/15/23 21:24	10
Bromoform	ND		5.0	2.8	ug/L			12/15/23 21:24	10
Bromomethane	ND		20	19	ug/L			12/15/23 21:24	10
Carbon disulfide	ND		10	3.2	ug/L			12/15/23 21:24	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			12/15/23 21:24	10
Chlorobenzene	ND		5.0	1.2	ug/L			12/15/23 21:24	10
Dibromochloromethane	ND		5.0	2.1	ug/L			12/15/23 21:24	10
Chloroethane	ND		5.0	3.8	ug/L			12/15/23 21:24	10
Chloroform	ND		5.0	1.7	ug/L			12/15/23 21:24	10
Chloromethane	ND		10	6.5	ug/L			12/15/23 21:24	10
Dibromomethane	ND		5.0	1.6	ug/L			12/15/23 21:24	10
Bromodichloromethane	ND		5.0	1.5	ug/L			12/15/23 21:24	10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW3

Date Collected: 12/07/23 10:05
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	10	5.1	ug/L			12/15/23 21:24	10
1,2-Dibromoethane	ND		5.0	2.7	ug/L			12/15/23 21:24	10
Hexachloro-1,3-butadiene	ND		10	2.6	ug/L			12/15/23 21:24	10
Isopropylbenzene	**35**		5.0	2.1	ug/L			12/15/23 21:24	10
2-Butanone	ND		50	29	ug/L			12/15/23 21:24	10
Methylene Chloride	ND		10	4.0	ug/L			12/15/23 21:24	10
2-Hexanone	ND		60	20	ug/L			12/15/23 21:24	10
Naphthalene	**42**		10	5.5	ug/L			12/15/23 21:24	10
n-Butylbenzene	**2.7**	**J**	5.0	2.4	ug/L			12/15/23 21:24	10
N-Propylbenzene	**30**		5.0	1.8	ug/L			12/15/23 21:24	10
p-Isopropyltoluene	ND		5.0	2.0	ug/L			12/15/23 21:24	10
sec-Butylbenzene	**4.2**	**J**	5.0	2.0	ug/L			12/15/23 21:24	10
Styrene	ND		5.0	2.7	ug/L			12/15/23 21:24	10
tert-Butylbenzene	ND		5.0	2.1	ug/L			12/15/23 21:24	10
Tetrachloroethene	ND		5.0	1.6	ug/L			12/15/23 21:24	10
Trichloroethene	ND		5.0	1.5	ug/L			12/15/23 21:24	10
Trichlorofluoromethane	ND		5.0	2.6	ug/L			12/15/23 21:24	10
Vinyl chloride	ND		5.0	2.3	ug/L			12/15/23 21:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*12/15/23 21:24*	*10*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*12/15/23 21:24*	*10*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/15/23 21:24*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/15/23 21:24*	*10*

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		12/13/23 20:24	12/14/23 11:57	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/13/23 20:24	12/14/23 11:57	1
Anthracene	ND		0.19	0.056	ug/L		12/13/23 20:24	12/14/23 11:57	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/13/23 20:24	12/14/23 11:57	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/13/23 20:24	12/14/23 11:57	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/13/23 20:24	12/14/23 11:57	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/13/23 20:24	12/14/23 11:57	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/13/23 20:24	12/14/23 11:57	1
Chrysene	**0.060**	**J**	0.19	0.056	ug/L		12/13/23 20:24	12/14/23 11:57	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/13/23 20:24	12/14/23 11:57	1
Fluoranthene	ND		0.19	0.13	ug/L		12/13/23 20:24	12/14/23 11:57	1
Fluorene	**0.43**		0.19	0.071	ug/L		12/13/23 20:24	12/14/23 11:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/13/23 20:24	12/14/23 11:57	1
1-Methylnaphthalene	**10**		0.19	0.069	ug/L		12/13/23 20:24	12/14/23 11:57	1
2-Methylnaphthalene	**12**		0.19	0.073	ug/L		12/13/23 20:24	12/14/23 11:57	1
Naphthalene	**22**		0.19	0.14	ug/L		12/13/23 20:24	12/14/23 11:57	1
Phenanthrene	**0.29**		0.19	0.069	ug/L		12/13/23 20:24	12/14/23 11:57	1
Pyrene	ND		0.19	0.063	ug/L		12/13/23 20:24	12/14/23 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*33 - 144*	*12/13/23 20:24*	*12/14/23 11:57*	*1*
Nitrobenzene-d5 (Surr)	*32*		*28 - 139*	*12/13/23 20:24*	*12/14/23 11:57*	*1*
p-Terphenyl-d14 (Surr)	*57*		*23 - 160*	*12/13/23 20:24*	*12/14/23 11:57*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW3

Lab Sample ID: 570-164015-1
Matrix: Water
Date Collected: 12/07/23 10:05
Date Received: 12/09/23 14:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	1.3		0.10	0.041	mg/L			12/15/23 01:01	1
Sulfate	0.64	J	1.0	0.24	mg/L			12/15/23 01:01	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		12/14/23 11:28	12/14/23 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0392	J	0.100	0.0199	mg/L		12/13/23 09:15	12/13/23 20:43	1
Barium	9.02		0.0100	0.00111	mg/L		12/13/23 09:15	12/13/23 20:43	1
Cadmium	0.00150	J B	0.0100	0.000620	mg/L		12/13/23 09:15	12/13/23 20:43	1
Chromium	0.0489	J	0.0500	0.00296	mg/L		12/13/23 09:15	12/13/23 20:43	1
Lead	0.00840	J	0.0500	0.00527	mg/L		12/13/23 09:15	12/13/23 20:43	1
Selenium	ND		0.0500	0.0162	mg/L		12/13/23 09:15	12/13/23 20:43	1
Silver	0.00470	J	0.0100	0.00259	mg/L		12/13/23 09:15	12/13/23 20:43	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	197000		100	24.6	ug/L		12/13/23 08:55	12/13/23 13:16	1
Magnesium	371000		500	75.3	ug/L		12/13/23 08:55	12/13/23 14:36	5
Potassium	2050		100	16.6	ug/L		12/13/23 08:55	12/13/23 13:16	1
Sodium	41100		100	13.9	ug/L		12/13/23 08:55	12/13/23 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	1540		5.00	2.18	mg/L			12/19/23 17:29	1
Bicarbonate (as CaCO3) (SM 2320B)	1540		5.00	2.18	mg/L			12/19/23 17:29	1
Total Dissolved Solids (SM 2540C)	1500		10.0	8.70	mg/L			12/14/23 17:26	1
Chloride (SM 4500 Cl- C)	17.4		2.00	0.596	mg/L			12/20/23 15:20	1

Client Sample ID: MW6

Lab Sample ID: 570-164015-2
Matrix: Water
Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

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			12/15/23 20:35	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 20:35	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 20:35	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 20:35	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 20:35	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 20:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 20:35	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 20:35	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 20:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 20:35	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 20:35	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW6

Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 20:35	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 20:35	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 20:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:35	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 20:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:35	1
1,2,4-Trimethylbenzene	**14**		0.50	0.22	ug/L			12/15/23 20:35	1
1,3,5-Trimethylbenzene	**14**		0.50	0.19	ug/L			12/15/23 20:35	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 20:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 20:35	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 20:35	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 20:35	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 20:35	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 20:35	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 20:35	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 20:35	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 20:35	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 20:35	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 20:35	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 20:35	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 20:35	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 20:35	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 20:35	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 20:35	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 20:35	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 20:35	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 20:35	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 20:35	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 20:35	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 20:35	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 20:35	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 20:35	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 20:35	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 20:35	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 20:35	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 20:35	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 20:35	1
Dichlorodifluoromethane	ND	*+	1.0	0.51	ug/L			12/15/23 20:35	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 20:35	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 20:35	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 20:35	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 20:35	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 20:35	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 20:35	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 20:35	1
n-Butylbenzene	**4.0**		0.50	0.24	ug/L			12/15/23 20:35	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 20:35	1
p-Isopropyltoluene	**3.3**		0.50	0.20	ug/L			12/15/23 20:35	1
sec-Butylbenzene	**2.6**		0.50	0.20	ug/L			12/15/23 20:35	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW6

Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.27	ug/L			12/15/23 20:35	1
tert-Butylbenzene	**0.56**		0.50	0.21	ug/L			12/15/23 20:35	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 20:35	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 20:35	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 20:35	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*		*12/15/23 20:35*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*		*12/15/23 20:35*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/15/23 20:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/15/23 20:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.40	0.20	ug/L		12/13/23 20:24	12/14/23 12:19	2
Acenaphthylene	ND		0.40	0.14	ug/L		12/13/23 20:24	12/14/23 12:19	2
Anthracene	ND		0.40	0.12	ug/L		12/13/23 20:24	12/14/23 12:19	2
Benzo[a]anthracene	ND		0.40	0.17	ug/L		12/13/23 20:24	12/14/23 12:19	2
Benzo[a]pyrene	ND		0.40	0.13	ug/L		12/13/23 20:24	12/14/23 12:19	2
Benzo[b]fluoranthene	ND		0.40	0.35	ug/L		12/13/23 20:24	12/14/23 12:19	2
Benzo[g,h,i]perylene	ND		0.40	0.20	ug/L		12/13/23 20:24	12/14/23 12:19	2
Benzo[k]fluoranthene	ND		0.40	0.31	ug/L		12/13/23 20:24	12/14/23 12:19	2
Chrysene	**2.3**		0.40	0.12	ug/L		12/13/23 20:24	12/14/23 12:19	2
Dibenz(a,h)anthracene	ND		0.40	0.23	ug/L		12/13/23 20:24	12/14/23 12:19	2
Fluoranthene	ND		0.40	0.28	ug/L		12/13/23 20:24	12/14/23 12:19	2
Fluorene	**2.7**		0.40	0.15	ug/L		12/13/23 20:24	12/14/23 12:19	2
Indeno[1,2,3-cd]pyrene	ND		0.40	0.21	ug/L		12/13/23 20:24	12/14/23 12:19	2
1-Methylnaphthalene	**1.8**		0.40	0.15	ug/L		12/13/23 20:24	12/14/23 12:19	2
2-Methylnaphthalene	ND		0.40	0.15	ug/L		12/13/23 20:24	12/14/23 12:19	2
Naphthalene	ND		0.40	0.30	ug/L		12/13/23 20:24	12/14/23 12:19	2
Phenanthrene	**3.7**		0.40	0.15	ug/L		12/13/23 20:24	12/14/23 12:19	2
Pyrene	ND		0.40	0.13	ug/L		12/13/23 20:24	12/14/23 12:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*12/13/23 20:24*	*12/14/23 12:19*	*2*
Nitrobenzene-d5 (Surr)	*84*		*28 - 139*	*12/13/23 20:24*	*12/14/23 12:19*	*2*
p-Terphenyl-d14 (Surr)	*55*		*23 - 160*	*12/13/23 20:24*	*12/14/23 12:19*	*2*

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		12/14/23 11:28	12/14/23 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0270**	**J**	0.100	0.0199	mg/L		12/13/23 09:15	12/13/23 20:51	1
Barium	**0.542**		0.0100	0.00111	mg/L		12/13/23 09:15	12/13/23 20:51	1
Cadmium	**0.00210**	**J B**	0.0100	0.000620	mg/L		12/13/23 09:15	12/13/23 20:51	1
Chromium	**0.00730**	**J**	0.0500	0.00296	mg/L		12/13/23 09:15	12/13/23 20:51	1
Lead	**0.00770**	**J**	0.0500	0.00527	mg/L		12/13/23 09:15	12/13/23 20:51	1
Selenium	ND		0.0500	0.0162	mg/L		12/13/23 09:15	12/13/23 20:51	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW6

Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.00380	J	0.0100	0.00259	mg/L		12/13/23 09:15	12/13/23 20:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	497		5.00	2.18	mg/L			12/19/23 17:36	1
Bicarbonate (as CaCO3) (SM 2320B)	497		5.00	2.18	mg/L			12/19/23 17:36	1
Total Dissolved Solids (SM 2540C)	606		10.0	8.70	mg/L			12/14/23 17:26	1
Chloride (SM 4500 Cl- C)	1.01	J	2.00	0.596	mg/L			12/20/23 15:20	1

Client Sample ID: MW17

Date Collected: 12/07/23 09:25
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	35		5.0	1.4	ug/L			12/18/23 21:14	10
Toluene	ND		5.0	1.4	ug/L			12/18/23 21:14	10
Ethylbenzene	420		5.0	1.6	ug/L			12/18/23 21:14	10
o-Xylene	ND		5.0	1.8	ug/L			12/18/23 21:14	10
m,p-Xylene	ND		10	3.9	ug/L			12/18/23 21:14	10
Xylenes, Total	ND		10	3.9	ug/L			12/18/23 21:14	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.4	ug/L			12/18/23 21:14	10
1,1,1,2-Tetrachloroethane	ND		5.0	2.0	ug/L			12/18/23 21:14	10
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			12/18/23 21:14	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.4	ug/L			12/18/23 21:14	10
1,1,2-Trichloroethane	ND		5.0	1.8	ug/L			12/18/23 21:14	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			12/18/23 21:14	10
1,1-Dichloroethane	ND		5.0	2.1	ug/L			12/18/23 21:14	10
1,1-Dichloroethene	ND		5.0	2.1	ug/L			12/18/23 21:14	10
1,1-Dichloropropene	ND		5.0	1.6	ug/L			12/18/23 21:14	10
1,2,3-Trichlorobenzene	ND		5.0	2.6	ug/L			12/18/23 21:14	10
1,2,3-Trichloropropane	ND		5.0	3.1	ug/L			12/18/23 21:14	10
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/L			12/18/23 21:14	10
1,2,4-Trimethylbenzene	3.4	J	5.0	2.2	ug/L			12/18/23 21:14	10
1,3,5-Trimethylbenzene	ND		5.0	1.9	ug/L			12/18/23 21:14	10
c-1,2-Dichloroethene	ND		5.0	1.6	ug/L			12/18/23 21:14	10
1,2-Dibromo-3-Chloropropane	ND		10	8.4	ug/L			12/18/23 21:14	10
1,2-Dichlorobenzene	ND		5.0	1.4	ug/L			12/18/23 21:14	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			12/18/23 21:14	10
1,2-Dichloropropane	ND		5.0	1.4	ug/L			12/18/23 21:14	10
t-1,2-Dichloroethene	ND		5.0	2.2	ug/L			12/18/23 21:14	10
c-1,3-Dichloropropene	ND		5.0	1.5	ug/L			12/18/23 21:14	10
1,3-Dichlorobenzene	ND		5.0	1.6	ug/L			12/18/23 21:14	10
1,3-Dichloropropane	ND		5.0	1.9	ug/L			12/18/23 21:14	10
t-1,3-Dichloropropene	ND		5.0	2.1	ug/L			12/18/23 21:14	10
1,4-Dichlorobenzene	ND		5.0	1.1	ug/L			12/18/23 21:14	10
2,2-Dichloropropane	ND		5.0	2.6	ug/L			12/18/23 21:14	10
2-Chlorotoluene	ND		5.0	2.3	ug/L			12/18/23 21:14	10
4-Chlorotoluene	ND		5.0	2.4	ug/L			12/18/23 21:14	10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW17

Date Collected: 12/07/23 09:25
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND		50	16	ug/L			12/18/23 21:14	10
Acetone	ND		80	36	ug/L			12/18/23 21:14	10
Bromobenzene	ND		5.0	1.4	ug/L			12/18/23 21:14	10
Bromochloromethane	ND		10	2.7	ug/L			12/18/23 21:14	10
Bromoform	ND		5.0	2.8	ug/L			12/18/23 21:14	10
Bromomethane	ND		20	19	ug/L			12/18/23 21:14	10
Carbon disulfide	ND		10	3.2	ug/L			12/18/23 21:14	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			12/18/23 21:14	10
Chlorobenzene	ND		5.0	1.2	ug/L			12/18/23 21:14	10
Dibromochloromethane	ND		5.0	2.1	ug/L			12/18/23 21:14	10
Chloroethane	ND		5.0	3.8	ug/L			12/18/23 21:14	10
Chloroform	ND		5.0	1.7	ug/L			12/18/23 21:14	10
Chloromethane	ND		10	6.5	ug/L			12/18/23 21:14	10
Dibromomethane	ND		5.0	1.6	ug/L			12/18/23 21:14	10
Bromodichloromethane	ND		5.0	1.5	ug/L			12/18/23 21:14	10
Dichlorodifluoromethane	ND		10	5.1	ug/L			12/18/23 21:14	10
1,2-Dibromoethane	ND		5.0	2.7	ug/L			12/18/23 21:14	10
Hexachloro-1,3-butadiene	ND		10	2.6	ug/L			12/18/23 21:14	10
Isopropylbenzene	**27**		5.0	2.1	ug/L			12/18/23 21:14	10
2-Butanone	ND		50	29	ug/L			12/18/23 21:14	10
Methylene Chloride	ND		10	4.0	ug/L			12/18/23 21:14	10
2-Hexanone	ND		60	20	ug/L			12/18/23 21:14	10
Naphthalene	**37**		10	5.5	ug/L			12/18/23 21:14	10
n-Butylbenzene	ND		5.0	2.4	ug/L			12/18/23 21:14	10
N-Propylbenzene	**26**		5.0	1.8	ug/L			12/18/23 21:14	10
p-Isopropyltoluene	ND		5.0	2.0	ug/L			12/18/23 21:14	10
sec-Butylbenzene	**2.6**	**J**	5.0	2.0	ug/L			12/18/23 21:14	10
Styrene	ND		5.0	2.7	ug/L			12/18/23 21:14	10
tert-Butylbenzene	ND		5.0	2.1	ug/L			12/18/23 21:14	10
Tetrachloroethene	ND		5.0	1.6	ug/L			12/18/23 21:14	10
Trichloroethene	ND		5.0	1.5	ug/L			12/18/23 21:14	10
Trichlorofluoromethane	ND		5.0	2.6	ug/L			12/18/23 21:14	10
Vinyl chloride	ND		5.0	2.3	ug/L			12/18/23 21:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*		*12/18/23 21:14*	*10*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*		*12/18/23 21:14*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/18/23 21:14*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/18/23 21:14*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/13/23 20:24	12/14/23 12:42	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/13/23 20:24	12/14/23 12:42	1
Anthracene	ND		0.19	0.057	ug/L		12/13/23 20:24	12/14/23 12:42	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/13/23 20:24	12/14/23 12:42	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		12/13/23 20:24	12/14/23 12:42	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/13/23 20:24	12/14/23 12:42	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/13/23 20:24	12/14/23 12:42	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/13/23 20:24	12/14/23 12:42	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW17

Date Collected: 12/07/23 09:25
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.19	0.057	ug/L		12/13/23 20:24	12/14/23 12:42	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/13/23 20:24	12/14/23 12:42	1
Fluoranthene	ND		0.19	0.13	ug/L		12/13/23 20:24	12/14/23 12:42	1
Fluorene	**0.32**		0.19	0.073	ug/L		12/13/23 20:24	12/14/23 12:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/13/23 20:24	12/14/23 12:42	1
1-Methylnaphthalene	**8.4**		0.19	0.071	ug/L		12/13/23 20:24	12/14/23 12:42	1
2-Methylnaphthalene	**6.8**		0.19	0.075	ug/L		12/13/23 20:24	12/14/23 12:42	1
Naphthalene	**21**		0.19	0.14	ug/L		12/13/23 20:24	12/14/23 12:42	1
Phenanthrene	**0.13**	**J**	0.19	0.071	ug/L		12/13/23 20:24	12/14/23 12:42	1
Pyrene	ND		0.19	0.064	ug/L		12/13/23 20:24	12/14/23 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*45*		*33 - 144*	*12/13/23 20:24*	*12/14/23 12:42*	*1*
Nitrobenzene-d5 (Surr)	*33*		*28 - 139*	*12/13/23 20:24*	*12/14/23 12:42*	*1*
p-Terphenyl-d14 (Surr)	*49*		*23 - 160*	*12/13/23 20:24*	*12/14/23 12:42*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.40**		0.10	0.041	mg/L			12/15/23 01:18	1
Sulfate	**0.36**	**J**	1.0	0.24	mg/L			12/15/23 01:18	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		12/14/23 11:28	12/14/23 23:46	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		12/12/23 08:40	12/16/23 22:24	1
Barium	**12.1**		0.0100	0.00111	mg/L		12/12/23 08:40	12/16/23 22:24	1
Cadmium	ND		0.0100	0.000620	mg/L		12/12/23 08:40	12/16/23 22:24	1
Chromium	ND		0.0500	0.00296	mg/L		12/12/23 08:40	12/16/23 22:24	1
Lead	ND		0.0500	0.00527	mg/L		12/12/23 08:40	12/16/23 22:24	1
Selenium	ND		0.0500	0.0162	mg/L		12/12/23 08:40	12/16/23 22:24	1
Silver	ND		0.0100	0.00259	mg/L		12/12/23 08:40	12/16/23 22:24	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**50900**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:38	1
Magnesium	**219000**		500	75.3	ug/L		12/12/23 09:07	12/13/23 10:25	5
Potassium	**1250**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:38	1
Sodium	**32500**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**976**		5.00	2.18	mg/L			12/19/23 17:43	1
Bicarbonate (as CaCO3) (SM 2320B)	**976**		5.00	2.18	mg/L			12/19/23 17:43	1
Total Dissolved Solids (SM 2540C)	**1080**		10.0	8.70	mg/L			12/14/23 17:26	1
Chloride (SM 4500 Cl- C)	**5.54**		2.00	0.596	mg/L			12/20/23 15:20	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW27

Date Collected: 12/07/23 08:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-4

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			12/15/23 20:59	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 20:59	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 20:59	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 20:59	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 20:59	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 20:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 20:59	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 20:59	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 20:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 20:59	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 20:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 20:59	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 20:59	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 20:59	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 20:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:59	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 20:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 20:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 20:59	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 20:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 20:59	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 20:59	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 20:59	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 20:59	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 20:59	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 20:59	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 20:59	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 20:59	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 20:59	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 20:59	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 20:59	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 20:59	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 20:59	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 20:59	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 20:59	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 20:59	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 20:59	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 20:59	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 20:59	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 20:59	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 20:59	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 20:59	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 20:59	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 20:59	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 20:59	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 20:59	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 20:59	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 20:59	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW27

Date Collected: 12/07/23 08:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-4

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			12/15/23 20:59	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 20:59	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 20:59	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 20:59	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 20:59	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 20:59	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 20:59	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 20:59	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 20:59	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 20:59	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 20:59	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 20:59	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 20:59	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 20:59	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 20:59	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 20:59	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 20:59	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 132*		*12/15/23 20:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*12/15/23 20:59*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*12/15/23 20:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/15/23 20:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.095	ug/L		12/13/23 20:24	12/14/23 13:04	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/13/23 20:24	12/14/23 13:04	1
Anthracene	ND		0.19	0.058	ug/L		12/13/23 20:24	12/14/23 13:04	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/13/23 20:24	12/14/23 13:04	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		12/13/23 20:24	12/14/23 13:04	1
Benzo[b]fluoranthene	ND		0.19	0.17	ug/L		12/13/23 20:24	12/14/23 13:04	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/13/23 20:24	12/14/23 13:04	1
Benzo[k]fluoranthene	ND		0.19	0.15	ug/L		12/13/23 20:24	12/14/23 13:04	1
Chrysene	ND		0.19	0.058	ug/L		12/13/23 20:24	12/14/23 13:04	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/13/23 20:24	12/14/23 13:04	1
Fluoranthene	ND		0.19	0.14	ug/L		12/13/23 20:24	12/14/23 13:04	1
Fluorene	ND		0.19	0.073	ug/L		12/13/23 20:24	12/14/23 13:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/13/23 20:24	12/14/23 13:04	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		12/13/23 20:24	12/14/23 13:04	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		12/13/23 20:24	12/14/23 13:04	1
Naphthalene	ND		0.19	0.14	ug/L		12/13/23 20:24	12/14/23 13:04	1
Phenanthrene	ND		0.19	0.071	ug/L		12/13/23 20:24	12/14/23 13:04	1
Pyrene	ND		0.19	0.064	ug/L		12/13/23 20:24	12/14/23 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*	*12/13/23 20:24*	*12/14/23 13:04*	*1*
Nitrobenzene-d5 (Surr)	*56*		*28 - 139*	*12/13/23 20:24*	*12/14/23 13:04*	*1*
p-Terphenyl-d14 (Surr)	*57*		*23 - 160*	*12/13/23 20:24*	*12/14/23 13:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 570-164015-1
Project/Site: ExxonMobil Gladiola Station/238000257

Client Sample ID: MW27
Lab Sample ID: 570-164015-4
Date Collected: 12/07/23 08:55
Matrix: Water
Date Received: 12/09/23 14:30

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.80**		0.10	0.041	mg/L			12/15/23 01:35	1

Method: SW846 9056A - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**140**		10	2.4	mg/L			12/15/23 02:25	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		12/14/23 11:28	12/14/23 23:48	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		12/12/23 08:40	12/16/23 22:34	1
Barium	**0.0458**		0.0100	0.00111	mg/L		12/12/23 08:40	12/16/23 22:34	1
Cadmium	ND		0.0100	0.000620	mg/L		12/12/23 08:40	12/16/23 22:34	1
Chromium	ND		0.0500	0.00296	mg/L		12/12/23 08:40	12/16/23 22:34	1
Lead	ND		0.0500	0.00527	mg/L		12/12/23 08:40	12/16/23 22:34	1
Selenium	ND		0.0500	0.0162	mg/L		12/12/23 08:40	12/16/23 22:34	1
Silver	ND		0.0100	0.00259	mg/L		12/12/23 08:40	12/16/23 22:34	1

Method: SW846 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**135000**		100	24.6	ug/L		12/12/23 09:07	12/12/23 14:40	1
Magnesium	**28600**		100	15.1	ug/L		12/12/23 09:07	12/12/23 14:40	1
Potassium	**3050**		100	16.6	ug/L		12/12/23 09:07	12/12/23 14:40	1
Sodium	**129000**		100	13.9	ug/L		12/12/23 09:07	12/12/23 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3) (SM 2320B)	**162**		5.00	2.18	mg/L			12/19/23 17:50	1
Bicarbonate (as CaCO3) (SM 2320B)	**162**		5.00	2.18	mg/L			12/19/23 17:50	1
Total Dissolved Solids (SM 2540C)	**1020**		10.0	8.70	mg/L			12/14/23 17:26	1
Chloride (SM 4500 Cl- C)	**297**		20.0	5.96	mg/L			12/20/23 15:20	1

Client Sample ID: Trip Blank
Lab Sample ID: 570-164015-5
Date Collected: 12/07/23 14:30
Matrix: Water
Date Received: 12/09/23 14:30

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			12/15/23 21:29	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 21:29	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 21:29	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 21:29	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 21:29	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 21:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 21:29	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 21:29	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 21:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 21:29	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: Trip Blank

Date Collected: 12/07/23 14:30
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 21:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 21:29	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 21:29	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 21:29	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 21:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 21:29	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 21:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 21:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 21:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 21:29	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 21:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 21:29	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 21:29	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 21:29	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 21:29	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 21:29	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 21:29	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 21:29	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 21:29	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 21:29	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 21:29	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 21:29	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 21:29	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 21:29	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 21:29	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 21:29	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 21:29	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 21:29	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 21:29	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 21:29	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 21:29	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 21:29	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 21:29	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 21:29	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 21:29	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 21:29	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 21:29	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 21:29	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 21:29	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 21:29	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 21:29	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 21:29	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 21:29	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 21:29	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 21:29	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 21:29	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 21:29	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 21:29	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 21:29	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: Trip Blank

Date Collected: 12/07/23 14:30
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 21:29	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 21:29	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 21:29	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 21:29	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 21:29	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 21:29	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 21:29	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 132*		*12/15/23 21:29*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*		*12/15/23 21:29*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*12/15/23 21:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/15/23 21:29*	*1*

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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)
570-164015-1	MW3	99	95	101	100
570-164015-2	MW6	96	104	98	98
570-164015-3	MW17	100	102	98	102
570-164015-4	MW27	102	96	104	100
570-164015-5	Trip Blank	102	102	101	95
LCS 570-393281/5	Lab Control Sample	100	97	100	101
LCS 570-393358/4	Lab Control Sample	100	104	96	99
LCS 570-393873/3	Lab Control Sample	98	103	97	100
LCSD 570-393281/6	Lab Control Sample Dup	100	102	100	100
LCSD 570-393358/5	Lab Control Sample Dup	100	102	97	100
LCSD 570-393873/4	Lab Control Sample Dup	101	101	94	102
MB 570-393281/10	Method Blank	101	93	102	98
MB 570-393358/7	Method Blank	99	101	98	97
MB 570-393873/6	Method Blank	101	101	101	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)
570-164015-1	MW3	49	32	57
570-164015-2	MW6	53	84	55
570-164015-3	MW17	45	33	49
570-164015-4	MW27	51	56	57
LCS 570-392491/2-A	Lab Control Sample	54	43	54
LCSD 570-392491/3-A	Lab Control Sample Dup	51	40	51
MB 570-392491/1-A	Method Blank	56	55	58

Surrogate Legend

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393281/10
Matrix: Water
Analysis Batch: 393281

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			12/15/23 18:32	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 18:32	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 18:32	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 18:32	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 18:32	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 18:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 18:32	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 18:32	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 18:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 18:32	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 18:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/15/23 18:32	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 18:32	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 18:32	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 18:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 18:32	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 18:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 18:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 18:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 18:32	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 18:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 18:32	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 18:32	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 18:32	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 18:32	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 18:32	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 18:32	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 18:32	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 18:32	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 18:32	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 18:32	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 18:32	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 18:32	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 18:32	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 18:32	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 18:32	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 18:32	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 18:32	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 18:32	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 18:32	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 18:32	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 18:32	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 18:32	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 18:32	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 18:32	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 18:32	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 18:32	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 18:32	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393281/10
Matrix: Water
Analysis Batch: 393281

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			12/15/23 18:32	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 18:32	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 18:32	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 18:32	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 18:32	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 18:32	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 18:32	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 18:32	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 18:32	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 18:32	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 18:32	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 18:32	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/15/23 18:32	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 18:32	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 18:32	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 18:32	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 18:32	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 18:32	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 18:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*12/15/23 18:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*12/15/23 18:32*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*12/15/23 18:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/15/23 18:32*	*1*

Lab Sample ID: LCS 570-393281/5
Matrix: Water
Analysis Batch: 393281

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	9.821		ug/L		98	80 - 120
Toluene	10.0	10.06		ug/L		101	80 - 120
Ethylbenzene	10.0	9.811		ug/L		98	80 - 126
o-Xylene	10.0	9.715		ug/L		97	80 - 124
m,p-Xylene	20.0	19.72		ug/L		99	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.745		ug/L		97	69 - 128
1,1-Dichloroethene	10.0	10.17		ug/L		102	80 - 126
1,2-Dichlorobenzene	10.0	10.36		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	9.792		ug/L		98	76 - 130
Carbon tetrachloride	10.0	9.739		ug/L		97	61 - 139
Chlorobenzene	10.0	9.883		ug/L		99	80 - 120
1,2-Dibromoethane	10.0	9.336		ug/L		93	80 - 125
Hexachloro-1,3-butadiene	10.0	11.26		ug/L		113	80 - 123
Trichloroethene	10.0	10.10		ug/L		101	77 - 124
Vinyl chloride	10.0	11.99		ug/L		120	50 - 160

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCS 570-393281/5
Matrix: Water
Analysis Batch: 393281

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

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

Lab Sample ID: LCSD 570-393281/6
Matrix: Water
Analysis Batch: 393281

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	9.726		ug/L		97	80 - 120	1	20
Toluene			10.0	9.976		ug/L		100	80 - 120	1	20
Ethylbenzene			10.0	9.953		ug/L		100	80 - 126	1	20
o-Xylene			10.0	9.906		ug/L		99	80 - 124	2	20
m,p-Xylene			20.0	19.99		ug/L		100	80 - 123	1	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.965		ug/L		100	69 - 128	2	20
1,1-Dichloroethene			10.0	10.41		ug/L		104	80 - 126	2	21
1,2-Dichlorobenzene			10.0	9.884		ug/L		99	80 - 120	5	20
1,2-Dichloroethane			10.0	9.758		ug/L		98	76 - 130	0	20
Carbon tetrachloride			10.0	9.772		ug/L		98	61 - 139	0	20
Chlorobenzene			10.0	9.907		ug/L		99	80 - 120	0	20
1,2-Dibromoethane			10.0	9.488		ug/L		95	80 - 125	2	20
Hexachloro-1,3-butadiene			10.0	11.00		ug/L		110	80 - 123	2	20
Trichloroethene			10.0	10.08		ug/L		101	77 - 124	0	20
Vinyl chloride			10.0	12.42		ug/L		124	50 - 160	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-393358/7
Matrix: Water
Analysis Batch: 393358

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			12/15/23 20:13	1
Toluene	ND		0.50	0.14	ug/L			12/15/23 20:13	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/15/23 20:13	1
o-Xylene	ND		0.50	0.18	ug/L			12/15/23 20:13	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/15/23 20:13	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/15/23 20:13	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/15/23 20:13	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/15/23 20:13	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/15/23 20:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/15/23 20:13	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/15/23 20:13	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393358/7
Matrix: Water
Analysis Batch: 393358

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			12/15/23 20:13	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/15/23 20:13	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/15/23 20:13	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/15/23 20:13	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:13	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/15/23 20:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/15/23 20:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/15/23 20:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/15/23 20:13	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/15/23 20:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/15/23 20:13	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/15/23 20:13	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/15/23 20:13	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/15/23 20:13	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/15/23 20:13	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/15/23 20:13	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/15/23 20:13	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/15/23 20:13	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/15/23 20:13	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/15/23 20:13	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/15/23 20:13	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/15/23 20:13	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/15/23 20:13	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/15/23 20:13	1
Acetone	ND		8.0	3.6	ug/L			12/15/23 20:13	1
Bromobenzene	ND		0.50	0.14	ug/L			12/15/23 20:13	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/15/23 20:13	1
Bromoform	ND		0.50	0.28	ug/L			12/15/23 20:13	1
Bromomethane	ND		2.0	1.9	ug/L			12/15/23 20:13	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/15/23 20:13	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/15/23 20:13	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/15/23 20:13	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/15/23 20:13	1
Chloroethane	ND		0.50	0.38	ug/L			12/15/23 20:13	1
Chloroform	ND		0.50	0.17	ug/L			12/15/23 20:13	1
Chloromethane	ND		1.0	0.65	ug/L			12/15/23 20:13	1
Dibromomethane	ND		0.50	0.16	ug/L			12/15/23 20:13	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/15/23 20:13	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/15/23 20:13	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/15/23 20:13	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/15/23 20:13	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/15/23 20:13	1
2-Butanone	ND		5.0	2.9	ug/L			12/15/23 20:13	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/15/23 20:13	1
2-Hexanone	ND		6.0	2.0	ug/L			12/15/23 20:13	1
Naphthalene	ND		1.0	0.55	ug/L			12/15/23 20:13	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/15/23 20:13	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/15/23 20:13	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/15/23 20:13	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393358/7
Matrix: Water
Analysis Batch: 393358

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			12/15/23 20:13	1
Styrene	ND		0.50	0.27	ug/L			12/15/23 20:13	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/15/23 20:13	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/15/23 20:13	1
Trichloroethene	ND		0.50	0.15	ug/L			12/15/23 20:13	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/15/23 20:13	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/15/23 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*12/15/23 20:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*12/15/23 20:13*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/15/23 20:13*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/15/23 20:13*	*1*

Lab Sample ID: LCS 570-393358/4
Matrix: Water
Analysis Batch: 393358

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	9.534		ug/L		95	80 - 120
Toluene	10.0	9.432		ug/L		94	80 - 120
Ethylbenzene	10.0	9.885		ug/L		99	80 - 126
o-Xylene	10.0	9.730		ug/L		97	80 - 124
m,p-Xylene	20.0	20.33		ug/L		102	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.357		ug/L		94	69 - 128
1,1-Dichloroethene	10.0	9.100		ug/L		91	80 - 126
1,2-Dichlorobenzene	10.0	10.01		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	8.922		ug/L		89	76 - 130
Carbon tetrachloride	10.0	8.041		ug/L		80	61 - 139
Chlorobenzene	10.0	9.315		ug/L		93	80 - 120
1,2-Dibromoethane	10.0	9.007		ug/L		90	80 - 125
Hexachloro-1,3-butadiene	10.0	10.53		ug/L		105	80 - 123
Trichloroethene	10.0	9.668		ug/L		97	77 - 124
Vinyl chloride	10.0	9.355		ug/L		94	50 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-393358/5
Matrix: Water
Analysis Batch: 393358

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	9.635		ug/L		96	80 - 120	1	20
Toluene	10.0	9.430		ug/L		94	80 - 120	0	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCSD 570-393358/5
Matrix: Water
Analysis Batch: 393358

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	10.01		ug/L		100	80 - 126	1	20
o-Xylene			10.0	9.738		ug/L		97	80 - 124	0	20
m,p-Xylene			20.0	20.50		ug/L		102	80 - 123	1	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.077		ug/L		91	69 - 128	3	20
1,1-Dichloroethene			10.0	9.044		ug/L		90	80 - 126	1	21
1,2-Dichlorobenzene			10.0	9.877		ug/L		99	80 - 120	1	20
1,2-Dichloroethane			10.0	8.988		ug/L		90	76 - 130	1	20
Carbon tetrachloride			10.0	7.833		ug/L		78	61 - 139	3	20
Chlorobenzene			10.0	9.338		ug/L		93	80 - 120	0	20
1,2-Dibromoethane			10.0	8.798		ug/L		88	80 - 125	2	20
Hexachloro-1,3-butadiene			10.0	10.43		ug/L		104	80 - 123	1	20
Trichloroethene			10.0	9.892		ug/L		99	77 - 124	2	20
Vinyl chloride			10.0	9.227		ug/L		92	50 - 160	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 132*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-393873/6
Matrix: Water
Analysis Batch: 393873

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			12/18/23 16:35	1
Toluene	ND		0.50	0.14	ug/L			12/18/23 16:35	1
Ethylbenzene	ND		0.50	0.16	ug/L			12/18/23 16:35	1
o-Xylene	ND		0.50	0.18	ug/L			12/18/23 16:35	1
m,p-Xylene	ND		1.0	0.39	ug/L			12/18/23 16:35	1
Xylenes, Total	ND		1.0	0.39	ug/L			12/18/23 16:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			12/18/23 16:35	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			12/18/23 16:35	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			12/18/23 16:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			12/18/23 16:35	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/18/23 16:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/23 16:35	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			12/18/23 16:35	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			12/18/23 16:35	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			12/18/23 16:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			12/18/23 16:35	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			12/18/23 16:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			12/18/23 16:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			12/18/23 16:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			12/18/23 16:35	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			12/18/23 16:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			12/18/23 16:35	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			12/18/23 16:35	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393873/6
Matrix: Water
Analysis Batch: 393873

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.50	0.14	ug/L			12/18/23 16:35	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			12/18/23 16:35	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			12/18/23 16:35	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			12/18/23 16:35	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			12/18/23 16:35	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			12/18/23 16:35	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			12/18/23 16:35	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			12/18/23 16:35	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			12/18/23 16:35	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			12/18/23 16:35	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			12/18/23 16:35	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			12/18/23 16:35	1
Acetone	ND		8.0	3.6	ug/L			12/18/23 16:35	1
Bromobenzene	ND		0.50	0.14	ug/L			12/18/23 16:35	1
Bromochloromethane	ND		1.0	0.27	ug/L			12/18/23 16:35	1
Bromoform	ND		0.50	0.28	ug/L			12/18/23 16:35	1
Bromomethane	ND		2.0	1.9	ug/L			12/18/23 16:35	1
Carbon disulfide	ND		1.0	0.32	ug/L			12/18/23 16:35	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/23 16:35	1
Chlorobenzene	ND		0.50	0.12	ug/L			12/18/23 16:35	1
Dibromochloromethane	ND		0.50	0.21	ug/L			12/18/23 16:35	1
Chloroethane	ND		0.50	0.38	ug/L			12/18/23 16:35	1
Chloroform	ND		0.50	0.17	ug/L			12/18/23 16:35	1
Chloromethane	ND		1.0	0.65	ug/L			12/18/23 16:35	1
Dibromomethane	ND		0.50	0.16	ug/L			12/18/23 16:35	1
Bromodichloromethane	ND		0.50	0.15	ug/L			12/18/23 16:35	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			12/18/23 16:35	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			12/18/23 16:35	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			12/18/23 16:35	1
Isopropylbenzene	ND		0.50	0.21	ug/L			12/18/23 16:35	1
2-Butanone	ND		5.0	2.9	ug/L			12/18/23 16:35	1
Methylene Chloride	ND		1.0	0.40	ug/L			12/18/23 16:35	1
2-Hexanone	ND		6.0	2.0	ug/L			12/18/23 16:35	1
Naphthalene	ND		1.0	0.55	ug/L			12/18/23 16:35	1
n-Butylbenzene	ND		0.50	0.24	ug/L			12/18/23 16:35	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/18/23 16:35	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			12/18/23 16:35	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			12/18/23 16:35	1
Styrene	ND		0.50	0.27	ug/L			12/18/23 16:35	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			12/18/23 16:35	1
Tetrachloroethene	ND		0.50	0.16	ug/L			12/18/23 16:35	1
Trichloroethene	ND		0.50	0.15	ug/L			12/18/23 16:35	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			12/18/23 16:35	1
Vinyl chloride	ND		0.50	0.23	ug/L			12/18/23 16:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*12/18/23 16:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*12/18/23 16:35*	*1*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-393873/6
Matrix: Water
Analysis Batch: 393873

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		80 - 120		12/18/23 16:35	1
Toluene-d8 (Surr)	98		80 - 120		12/18/23 16:35	1

Lab Sample ID: LCS 570-393873/3
Matrix: Water
Analysis Batch: 393873

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	9.889		ug/L		99	80 - 120		
Toluene			10.0	9.866		ug/L		99	80 - 120		
Ethylbenzene			10.0	10.15		ug/L		101	80 - 126		
o-Xylene			10.0	9.888		ug/L		99	80 - 124		
m,p-Xylene			20.0	20.99		ug/L		105	80 - 123		
Methyl-t-Butyl Ether (MTBE)			10.0	9.531		ug/L		95	69 - 128		
1,1-Dichloroethene			10.0	9.179		ug/L		92	80 - 126		
1,2-Dichlorobenzene			10.0	9.886		ug/L		99	80 - 120		
1,2-Dichloroethane			10.0	9.273		ug/L		93	76 - 130		
Carbon tetrachloride			10.0	8.311		ug/L		83	61 - 139		
Chlorobenzene			10.0	9.585		ug/L		96	80 - 120		
1,2-Dibromoethane			10.0	8.873		ug/L		89	80 - 125		
Hexachloro-1,3-butadiene			10.0	10.73		ug/L		107	80 - 123		
Trichloroethene			10.0	10.03		ug/L		100	77 - 124		
Vinyl chloride			10.0	9.362		ug/L		94	50 - 160		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 132
4-Bromofluorobenzene (Surr)	103		76 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-393873/4
Matrix: Water
Analysis Batch: 393873

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	9.720		ug/L		97	80 - 120	2	20
Toluene			10.0	9.617		ug/L		96	80 - 120	3	20
Ethylbenzene			10.0	9.955		ug/L		100	80 - 126	2	20
o-Xylene			10.0	10.02		ug/L		100	80 - 124	1	20
m,p-Xylene			20.0	20.39		ug/L		102	80 - 123	3	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.310		ug/L		93	69 - 128	2	20
1,1-Dichloroethene			10.0	8.677		ug/L		87	80 - 126	6	21
1,2-Dichlorobenzene			10.0	10.22		ug/L		102	80 - 120	3	20
1,2-Dichloroethane			10.0	9.180		ug/L		92	76 - 130	1	20
Carbon tetrachloride			10.0	8.056		ug/L		81	61 - 139	3	20
Chlorobenzene			10.0	9.397		ug/L		94	80 - 120	2	20
1,2-Dibromoethane			10.0	8.900		ug/L		89	80 - 125	0	20
Hexachloro-1,3-butadiene			10.0	10.64		ug/L		106	80 - 123	1	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCSD 570-393873/4
Matrix: Water
Analysis Batch: 393873

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
Trichloroethene			10.0	9.924		ug/L		99	77 - 124	1	20
Vinyl chloride			10.0	9.002		ug/L		90	50 - 160	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-392491/1-A
Matrix: Water
Analysis Batch: 392580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 392491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/13/23 20:24	12/14/23 10:49	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/13/23 20:24	12/14/23 10:49	1
Anthracene	ND		0.20	0.059	ug/L		12/13/23 20:24	12/14/23 10:49	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/13/23 20:24	12/14/23 10:49	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/13/23 20:24	12/14/23 10:49	1
Benzo[b]fluoranthene	ND		0.20	0.18	ug/L		12/13/23 20:24	12/14/23 10:49	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/13/23 20:24	12/14/23 10:49	1
Benzo[k]fluoranthene	ND		0.20	0.15	ug/L		12/13/23 20:24	12/14/23 10:49	1
Chrysene	ND		0.20	0.059	ug/L		12/13/23 20:24	12/14/23 10:49	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/13/23 20:24	12/14/23 10:49	1
Fluoranthene	ND		0.20	0.14	ug/L		12/13/23 20:24	12/14/23 10:49	1
Fluorene	ND		0.20	0.075	ug/L		12/13/23 20:24	12/14/23 10:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/13/23 20:24	12/14/23 10:49	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/13/23 20:24	12/14/23 10:49	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/13/23 20:24	12/14/23 10:49	1
Naphthalene	ND		0.20	0.15	ug/L		12/13/23 20:24	12/14/23 10:49	1
Phenanthrene	ND		0.20	0.073	ug/L		12/13/23 20:24	12/14/23 10:49	1
Pyrene	ND		0.20	0.066	ug/L		12/13/23 20:24	12/14/23 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*33 - 144*	*12/13/23 20:24*	*12/14/23 10:49*	*1*
Nitrobenzene-d5 (Surr)	*55*		*28 - 139*	*12/13/23 20:24*	*12/14/23 10:49*	*1*
p-Terphenyl-d14 (Surr)	*58*		*23 - 160*	*12/13/23 20:24*	*12/14/23 10:49*	*1*

Lab Sample ID: LCS 570-392491/2-A
Matrix: Water
Analysis Batch: 392580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392491

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene			1.00	1.057		ug/L		106	55 - 121		
Acenaphthylene			1.00	1.099		ug/L		110	33 - 145		
Anthracene			1.00	0.9927		ug/L		99	27 - 133		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCS 570-392491/2-A
Matrix: Water
Analysis Batch: 392580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392491

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			1.00	1.086		ug/L		109	33 - 143		
Benzo[a]pyrene			1.00	0.9859		ug/L		99	17 - 163		
Benzo[b]fluoranthene			1.00	1.119		ug/L		112	24 - 159		
Benzo[g,h,i]perylene			1.00	1.222		ug/L		122	25 - 157		
Benzo[k]fluoranthene			1.00	1.227		ug/L		123	24 - 159		
Chrysene			1.00	1.130		ug/L		113	17 - 168		
Dibenz(a,h)anthracene			1.00	1.146		ug/L		115	25 - 175		
Fluoranthene			1.00	1.084		ug/L		108	26 - 137		
Fluorene			1.00	1.019		ug/L		102	59 - 121		
Indeno[1,2,3-cd]pyrene			1.00	1.182		ug/L		118	25 - 175		
1-Methylnaphthalene			1.00	0.9727		ug/L		97	20 - 140		
2-Methylnaphthalene			1.00	0.9398		ug/L		94	21 - 140		
Naphthalene			1.00	1.056		ug/L		106	21 - 133		
Phenanthrene			1.00	1.058		ug/L		106	54 - 120		
Pyrene			1.00	1.076		ug/L		108	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*54*		*33 - 144*
Nitrobenzene-d5 (Surr)	*43*		*28 - 139*
p-Terphenyl-d14 (Surr)	*54*		*23 - 160*

Lab Sample ID: LCSD 570-392491/3-A
Matrix: Water
Analysis Batch: 392580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 392491

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			1.00	1.018		ug/L		102	55 - 121	4	25
Acenaphthylene			1.00	1.099		ug/L		110	33 - 145	0	25
Anthracene			1.00	0.9921		ug/L		99	27 - 133	0	25
Benzo[a]anthracene			1.00	1.069		ug/L		107	33 - 143	2	25
Benzo[a]pyrene			1.00	0.9648		ug/L		96	17 - 163	2	25
Benzo[b]fluoranthene			1.00	1.086		ug/L		109	24 - 159	3	25
Benzo[g,h,i]perylene			1.00	1.094		ug/L		109	25 - 157	11	25
Benzo[k]fluoranthene			1.00	1.199		ug/L		120	24 - 159	2	25
Chrysene			1.00	1.146		ug/L		115	17 - 168	1	25
Dibenz(a,h)anthracene			1.00	1.129		ug/L		113	25 - 175	1	25
Fluoranthene			1.00	1.031		ug/L		103	26 - 137	5	25
Fluorene			1.00	1.009		ug/L		101	59 - 121	1	25
Indeno[1,2,3-cd]pyrene			1.00	1.115		ug/L		112	25 - 175	6	25
1-Methylnaphthalene			1.00	0.9616		ug/L		96	20 - 140	1	25
2-Methylnaphthalene			1.00	0.9073		ug/L		91	21 - 140	4	25
Naphthalene			1.00	1.038		ug/L		104	21 - 133	2	25
Phenanthrene			1.00	1.032		ug/L		103	54 - 120	2	25
Pyrene			1.00	1.091		ug/L		109	45 - 129	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*
Nitrobenzene-d5 (Surr)	*40*		*28 - 139*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCSD 570-392491/3-A
Matrix: Water
Analysis Batch: 392580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 392491

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl-d14 (Surr)	51		23 - 160

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 570-392527/5
Matrix: Water
Analysis Batch: 392527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.041	mg/L			12/14/23 03:20	1
Sulfate	ND		1.0	0.24	mg/L			12/14/23 03:20	1

Lab Sample ID: LCS 570-392527/6
Matrix: Water
Analysis Batch: 392527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	4.871		mg/L		97	80 - 120
Sulfate	50.0	49.80		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-392527/7
Matrix: Water
Analysis Batch: 392527

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
Bromide	5.00	4.815		mg/L		96	80 - 120	1	15
Sulfate	50.0	49.86		mg/L		100	80 - 120	0	15

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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
Bromide	0.39		5.00	5.378		mg/L		100	80 - 120
Sulfate	3.5		50.0	55.03		mg/L		103	80 - 120

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide	0.39		5.00	5.363		mg/L		99	80 - 120	0	15
Sulfate	3.5		50.0	55.30		mg/L		104	80 - 120	0	15

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Method: 9056A - Anions, Ion Chromatography - DL

Lab Sample ID: 570-163808-C-5 MS
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	5.011		mg/L		100	80 - 120
Sulfate - DL	4.7	J	50.0	49.33		mg/L		89	80 - 120

Lab Sample ID: 570-163808-C-5 MSD
Matrix: Water
Analysis Batch: 392527

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
Bromide - DL	ND		5.00	4.786		mg/L		96	80 - 120	5	15
Sulfate - DL	4.7	J	50.0	50.12		mg/L		91	80 - 120	2	15

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-392683/1-A
Matrix: Water
Analysis Batch: 392859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 392683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		12/14/23 11:28	12/14/23 23:10	1

Lab Sample ID: LCS 570-392683/2-A
Matrix: Water
Analysis Batch: 392859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00800	0.007265		mg/L		91	85 - 115

Lab Sample ID: LCSD 570-392683/3-A
Matrix: Water
Analysis Batch: 392859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 392683

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00800	0.007304		mg/L		91	85 - 115	1	10

Lab Sample ID: 570-162919-D-1-C MS
Matrix: Water
Analysis Batch: 392859

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 392683

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00800	0.007166		mg/L		90	85 - 115

Lab Sample ID: 570-162919-D-1-D MSD
Matrix: Water
Analysis Batch: 392859

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 392683

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.007327		mg/L		92	85 - 115	2	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-163621-A-1-B MS
Matrix: Water
Analysis Batch: 393792

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 391671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.5447		mg/L		109	80 - 140
Barium	0.108		0.500	0.6351		mg/L		105	87 - 123
Cadmium	ND		0.500	0.5409		mg/L		108	82 - 124
Chromium	0.00550	J	0.500	0.5517		mg/L		109	86 - 122
Lead	ND		0.500	0.5412		mg/L		108	84 - 120
Selenium	ND		0.500	0.5088		mg/L		102	79 - 127
Silver	ND		0.250	0.2657		mg/L		106	86 - 128

Lab Sample ID: 570-163621-A-1-C MSD
Matrix: Water
Analysis Batch: 393792

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 391671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5350		mg/L		107	80 - 140	2	11
Barium	0.108		0.500	0.6210		mg/L		103	87 - 123	2	6
Cadmium	ND		0.500	0.5275		mg/L		106	82 - 124	3	7
Chromium	0.00550	J	0.500	0.5408		mg/L		107	86 - 122	2	8
Lead	ND		0.500	0.5279		mg/L		106	84 - 120	2	7
Selenium	ND		0.500	0.4931		mg/L		99	79 - 127	3	9
Silver	ND		0.250	0.2593		mg/L		104	86 - 128	2	7

Lab Sample ID: 570-163944-K-6-B MS
Matrix: Water
Analysis Batch: 392493

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 392168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.4958		mg/L		99	80 - 140
Barium	0.0503		0.500	0.5345		mg/L		97	87 - 123
Cadmium	ND		0.500	0.4690		mg/L		94	82 - 124
Chromium	ND		0.500	0.4876		mg/L		98	86 - 122
Lead	ND		0.500	0.4688		mg/L		94	84 - 120
Selenium	ND		0.500	0.4819		mg/L		96	79 - 127
Silver	ND		0.250	0.2501		mg/L		100	86 - 128

Lab Sample ID: 570-163944-K-6-C MSD
Matrix: Water
Analysis Batch: 392493

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 392168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5149		mg/L		103	80 - 140	4	11
Barium	0.0503		0.500	0.5499		mg/L		100	87 - 123	3	6
Cadmium	ND		0.500	0.4846		mg/L		97	82 - 124	3	7
Chromium	ND		0.500	0.5022		mg/L		100	86 - 122	3	8
Lead	ND		0.500	0.4878		mg/L		98	84 - 120	4	7
Selenium	ND		0.500	0.4923		mg/L		98	79 - 127	2	9
Silver	ND		0.250	0.2576		mg/L		103	86 - 128	3	7

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: MB 570-391671/1-A
Matrix: Water
Analysis Batch: 393792

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		12/12/23 08:40	12/16/23 21:32	1
Barium	ND		0.0100	0.00111	mg/L		12/12/23 08:40	12/16/23 21:32	1
Cadmium	0.002400	J	0.0100	0.000620	mg/L		12/12/23 08:40	12/16/23 21:32	1
Chromium	ND		0.0500	0.00296	mg/L		12/12/23 08:40	12/16/23 21:32	1
Lead	ND		0.0500	0.00527	mg/L		12/12/23 08:40	12/16/23 21:32	1
Selenium	ND		0.0500	0.0162	mg/L		12/12/23 08:40	12/16/23 21:32	1
Silver	ND		0.0100	0.00259	mg/L		12/12/23 08:40	12/16/23 21:32	1

Lab Sample ID: LCS 570-391671/2-A
Matrix: Water
Analysis Batch: 393792

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.5314		mg/L		106	80 - 120
Barium	0.500	0.5328		mg/L		107	80 - 120
Cadmium	0.500	0.5420		mg/L		108	80 - 120
Chromium	0.500	0.5432		mg/L		109	80 - 120
Lead	0.500	0.5431		mg/L		109	80 - 120
Selenium	0.500	0.5102		mg/L		102	80 - 120
Silver	0.250	0.2617		mg/L		105	80 - 120

Lab Sample ID: LCSD 570-391671/3-A
Matrix: Water
Analysis Batch: 393792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.5070		mg/L		101	80 - 120	5	20
Barium	0.500	0.5082		mg/L		102	80 - 120	5	20
Cadmium	0.500	0.5169		mg/L		103	80 - 120	5	20
Chromium	0.500	0.5160		mg/L		103	80 - 120	5	20
Lead	0.500	0.5169		mg/L		103	80 - 120	5	20
Selenium	0.500	0.4879		mg/L		98	80 - 120	4	20
Silver	0.250	0.2496		mg/L		100	80 - 120	5	20

Lab Sample ID: MB 570-392168/1-A
Matrix: Water
Analysis Batch: 392493

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		12/13/23 09:15	12/13/23 19:41	1
Barium	ND		0.0100	0.00111	mg/L		12/13/23 09:15	12/13/23 19:41	1
Cadmium	0.002400	J	0.0100	0.000620	mg/L		12/13/23 09:15	12/13/23 19:41	1
Chromium	ND		0.0500	0.00296	mg/L		12/13/23 09:15	12/13/23 19:41	1
Lead	ND		0.0500	0.00527	mg/L		12/13/23 09:15	12/13/23 19:41	1
Selenium	ND		0.0500	0.0162	mg/L		12/13/23 09:15	12/13/23 19:41	1
Silver	ND		0.0100	0.00259	mg/L		12/13/23 09:15	12/13/23 19:41	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCS 570-392168/2-A
Matrix: Water
Analysis Batch: 392493

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4946		mg/L		99	80 - 120
Barium	0.500	0.5053		mg/L		101	80 - 120
Cadmium	0.500	0.4955		mg/L		99	80 - 120
Chromium	0.500	0.5031		mg/L		101	80 - 120
Lead	0.500	0.5023		mg/L		100	80 - 120
Selenium	0.500	0.4813		mg/L		96	80 - 120
Silver	0.250	0.2507		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-392168/3-A
Matrix: Water
Analysis Batch: 392493

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 392168

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.4957		mg/L		99	80 - 120	0	20
Barium	0.500	0.5071		mg/L		101	80 - 120	0	20
Cadmium	0.500	0.5007		mg/L		100	80 - 120	1	20
Chromium	0.500	0.5067		mg/L		101	80 - 120	1	20
Lead	0.500	0.5072		mg/L		101	80 - 120	1	20
Selenium	0.500	0.4797		mg/L		96	80 - 120	0	20
Silver	0.250	0.2515		mg/L		101	80 - 120	0	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-391676/1-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		100	24.6	ug/L		12/12/23 09:07	12/12/23 13:56	1
Magnesium	ND		100	15.1	ug/L		12/12/23 09:07	12/12/23 13:56	1
Potassium	ND		100	16.6	ug/L		12/12/23 09:07	12/12/23 13:56	1
Sodium	ND		100	13.9	ug/L		12/12/23 09:07	12/12/23 13:56	1

Lab Sample ID: LCS 570-391676/2-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	4000	3842		ug/L		96	80 - 120
Magnesium	2000	1925		ug/L		96	80 - 120
Potassium	2000	1910		ug/L		95	80 - 120
Sodium	2000	1940		ug/L		97	80 - 120

Lab Sample ID: LCSD 570-391676/3-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	4000	3934		ug/L		98	80 - 120	2	20
Magnesium	2000	1987		ug/L		99	80 - 120	3	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 570-391676/3-A
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium			2000	1958		ug/L		98	80 - 120	3	20
Sodium			2000	1992		ug/L		100	80 - 120	3	20

Lab Sample ID: 570-163895-G-1-B MS
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	81200		4000	88820	4	ug/L		191	80 - 120
Magnesium	9600		2000	12080	4	ug/L		124	63 - 123
Potassium	2690		2000	4781		ug/L		105	80 - 120
Sodium	14100		2000	16590	4	ug/L		123	80 - 120

Lab Sample ID: 570-163895-G-1-C MSD
Matrix: Water
Analysis Batch: 391934

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 391676

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	81200		4000	86350	4	ug/L		130	80 - 120	3	20
Magnesium	9600		2000	11760	4	ug/L		108	63 - 123	3	32
Potassium	2690		2000	4690		ug/L		100	80 - 120	2	20
Sodium	14100		2000	16280	4	ug/L		107	80 - 120	2	20

Lab Sample ID: MB 570-392134/1-A
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		100	24.6	ug/L		12/13/23 08:20	12/13/23 12:46	1
Magnesium	ND		100	15.1	ug/L		12/13/23 08:20	12/13/23 12:46	1
Potassium	ND		100	16.6	ug/L		12/13/23 08:20	12/13/23 12:46	1
Sodium	ND		100	13.9	ug/L		12/13/23 08:20	12/13/23 12:46	1

Lab Sample ID: LCS 570-392134/2-A
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			4000	4033		ug/L		101	80 - 120
Magnesium			2000	2016		ug/L		101	80 - 120
Potassium			2000	1995		ug/L		100	80 - 120
Sodium			2000	2043		ug/L		102	80 - 120

Lab Sample ID: LCSD 570-392134/3-A
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			4000	4079		ug/L		102	80 - 120	1	20
Magnesium			2000	2018		ug/L		101	80 - 120	0	20

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 570-392134/3-A
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium			2000	1982		ug/L		99	80 - 120	1	20
Sodium			2000	2024		ug/L		101	80 - 120	1	20

Lab Sample ID: 570-164314-I-1-B MS ^20
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	583000		4000	604900	4	ug/L		535	80 - 120
Magnesium	1270000		2000	1325000	4	ug/L		2850	63 - 123
Potassium	341000		2000	351500	4	ug/L		507	80 - 120

Lab Sample ID: 570-164314-I-1-C MSD ^20
Matrix: Water
Analysis Batch: 392366

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 392134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	583000		4000	630500	4	ug/L		1175	80 - 120	4	20
Magnesium	1270000		2000	1382000	4	ug/L		5691	63 - 123	4	32
Potassium	341000		2000	366300	4	ug/L		1250	80 - 120	4	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-394698/39
Matrix: Water
Analysis Batch: 394698

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			12/19/23 16:54	1
Bicarbonate (as CaCO3)	ND		5.00	2.18	mg/L			12/19/23 16:54	1

Lab Sample ID: LCS 570-394698/37
Matrix: Water
Analysis Batch: 394698

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	94.88		mg/L		90	78 - 110

Lab Sample ID: LCSD 570-394698/38
Matrix: Water
Analysis Batch: 394698

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	94.16		mg/L		89	78 - 110	1	10

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 320-108023-B-4 DU
Matrix: Water
Analysis Batch: 394698

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)	221			220.8		mg/L				0.1	25
Bicarbonate (as CaCO3)	221			220.8		mg/L				0.1	25

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

Lab Sample ID: MB 570-392861/1
Matrix: Water
Analysis Batch: 392861

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			12/14/23 17:26	1

Lab Sample ID: LCS 570-392861/2
Matrix: Water
Analysis Batch: 392861

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	1020		mg/L		102	84 - 108		

Lab Sample ID: LCSD 570-392861/3
Matrix: Water
Analysis Batch: 392861

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	1016		mg/L		102	84 - 108	0	10

Lab Sample ID: 570-163924-J-9 DU
Matrix: Water
Analysis Batch: 392861

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	7090			7370		mg/L				4	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-394838/1
Matrix: Water
Analysis Batch: 394838

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			12/20/23 15:20	1

Lab Sample ID: LCS 570-394838/2
Matrix: Water
Analysis Batch: 394838

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	101.1		mg/L		101	80 - 120		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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

Lab Sample ID: LCSD 570-394838/3
Matrix: Water
Analysis Batch: 394838

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	100.3		mg/L		100	80 - 120	1	10

Lab Sample ID: 570-164015-4 MS
Matrix: Water
Analysis Batch: 394838

Client Sample ID: MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	297		1000	1307		mg/L		101	75 - 125		

Lab Sample ID: 570-164015-4 MSD
Matrix: Water
Analysis Batch: 394838

Client Sample ID: MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	297		1000	1315		mg/L		102	75 - 125	1	15

Lab Sample ID: 570-164015-4 DU
Matrix: Water
Analysis Batch: 394838

Client Sample ID: MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	297			285.9		mg/L				4	15

QC Association Summary

Client: Stantec Consulting Services Inc
Job ID: 570-164015-1
Project/Site: ExxonMobil Gladiola Station/238000257

GC/MS VOA

Analysis Batch: 393281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	8260B	
570-164015-2	MW6	Total/NA	Water	8260B	
570-164015-4	MW27	Total/NA	Water	8260B	
MB 570-393281/10	Method Blank	Total/NA	Water	8260B	
LCS 570-393281/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-393281/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 393358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-5	Trip Blank	Total/NA	Water	8260B	
MB 570-393358/7	Method Blank	Total/NA	Water	8260B	
LCS 570-393358/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-393358/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 393873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total/NA	Water	8260B	
MB 570-393873/6	Method Blank	Total/NA	Water	8260B	
LCS 570-393873/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-393873/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 392491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	3510C	
570-164015-2	MW6	Total/NA	Water	3510C	
570-164015-3	MW17	Total/NA	Water	3510C	
570-164015-4	MW27	Total/NA	Water	3510C	
MB 570-392491/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-392491/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-392491/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 392580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	8270C SIM	392491
570-164015-2	MW6	Total/NA	Water	8270C SIM	392491
570-164015-3	MW17	Total/NA	Water	8270C SIM	392491
570-164015-4	MW27	Total/NA	Water	8270C SIM	392491
MB 570-392491/1-A	Method Blank	Total/NA	Water	8270C SIM	392491
LCS 570-392491/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	392491
LCSD 570-392491/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	392491

HPLC/IC

Analysis Batch: 392527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	9056A	
570-164015-3	MW17	Total/NA	Water	9056A	
570-164015-4	MW27	Total/NA	Water	9056A	
570-164015-4 - DL	MW27	Total/NA	Water	9056A	
MB 570-392527/5	Method Blank	Total/NA	Water	9056A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

HPLC/IC (Continued)

Analysis Batch: 392527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-392527/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 570-392527/7	Lab Control Sample Dup	Total/NA	Water	9056A	
570-163808-C-5 MS	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MS - DL	Matrix Spike	Total/NA	Water	9056A	
570-163808-C-5 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
570-163808-C-5 MSD - DL	Matrix Spike Duplicate	Total/NA	Water	9056A	

Metals

Prep Batch: 391671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total Recoverable	Water	3005A	
570-164015-4	MW27	Total Recoverable	Water	3005A	
MB 570-391671/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391671/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391671/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163621-A-1-B MS	Matrix Spike	Total/NA	Water	3005A	
570-163621-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Prep Batch: 391676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total Recoverable	Water	3005A	
570-164015-4	MW27	Total Recoverable	Water	3005A	
MB 570-391676/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-391676/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-391676/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163895-G-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-163895-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 391934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total Recoverable	Water	6020	391676
570-164015-4	MW27	Total Recoverable	Water	6020	391676
MB 570-391676/1-A	Method Blank	Total Recoverable	Water	6020	391676
LCS 570-391676/2-A	Lab Control Sample	Total Recoverable	Water	6020	391676
LCSD 570-391676/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	391676
570-163895-G-1-B MS	Matrix Spike	Total Recoverable	Water	6020	391676
570-163895-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	391676

Prep Batch: 392134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total Recoverable	Water	3005A	
MB 570-392134/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-392134/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-392134/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-164314-I-1-B MS ^20	Matrix Spike	Total Recoverable	Water	3005A	
570-164314-I-1-C MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 392168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total Recoverable	Water	3005A	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Metals (Continued)

Prep Batch: 392168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-2	MW6	Total Recoverable	Water	3005A	
MB 570-392168/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-392168/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-392168/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-163944-K-6-B MS	Matrix Spike	Total/NA	Water	3005A	
570-163944-K-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 392267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total Recoverable	Water	6020	391676

Analysis Batch: 392366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total Recoverable	Water	6020	392134
570-164015-1	MW3	Total Recoverable	Water	6020	392134
MB 570-392134/1-A	Method Blank	Total Recoverable	Water	6020	392134
LCS 570-392134/2-A	Lab Control Sample	Total Recoverable	Water	6020	392134
LCSD 570-392134/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020	392134
570-164314-I-1-B MS ^20	Matrix Spike	Total Recoverable	Water	6020	392134
570-164314-I-1-C MSD ^20	Matrix Spike Duplicate	Total Recoverable	Water	6020	392134

Analysis Batch: 392493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-392168/1-A	Method Blank	Total Recoverable	Water	6010B	392168
LCS 570-392168/2-A	Lab Control Sample	Total Recoverable	Water	6010B	392168
LCSD 570-392168/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	392168
570-163944-K-6-B MS	Matrix Spike	Total/NA	Water	6010B	392168
570-163944-K-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	392168

Analysis Batch: 392573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total Recoverable	Water	6010B	392168
570-164015-2	MW6	Total Recoverable	Water	6010B	392168

Prep Batch: 392683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	245.1	
570-164015-2	MW6	Total/NA	Water	245.1	
570-164015-3	MW17	Total/NA	Water	245.1	
570-164015-4	MW27	Total/NA	Water	245.1	
MB 570-392683/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-392683/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-392683/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-162919-D-1-C MS	Matrix Spike	Total/NA	Water	245.1	
570-162919-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 392859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	245.1	392683
570-164015-2	MW6	Total/NA	Water	245.1	392683
570-164015-3	MW17	Total/NA	Water	245.1	392683

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Metals (Continued)

Analysis Batch: 392859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-4	MW27	Total/NA	Water	245.1	392683
MB 570-392683/1-A	Method Blank	Total/NA	Water	245.1	392683
LCS 570-392683/2-A	Lab Control Sample	Total/NA	Water	245.1	392683
LCSD 570-392683/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	392683
570-162919-D-1-C MS	Matrix Spike	Total/NA	Water	245.1	392683
570-162919-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	392683

Analysis Batch: 393792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-3	MW17	Total Recoverable	Water	6010B	391671
570-164015-4	MW27	Total Recoverable	Water	6010B	391671
MB 570-391671/1-A	Method Blank	Total Recoverable	Water	6010B	391671
LCS 570-391671/2-A	Lab Control Sample	Total Recoverable	Water	6010B	391671
LCSD 570-391671/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	391671
570-163621-A-1-B MS	Matrix Spike	Total/NA	Water	6010B	391671
570-163621-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	391671

General Chemistry

Analysis Batch: 392861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	SM 2540C	
570-164015-2	MW6	Total/NA	Water	SM 2540C	
570-164015-3	MW17	Total/NA	Water	SM 2540C	
570-164015-4	MW27	Total/NA	Water	SM 2540C	
MB 570-392861/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-392861/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-392861/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-163924-J-9 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 394698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	SM 2320B	
570-164015-2	MW6	Total/NA	Water	SM 2320B	
570-164015-3	MW17	Total/NA	Water	SM 2320B	
570-164015-4	MW27	Total/NA	Water	SM 2320B	
MB 570-394698/39	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-394698/37	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-394698/38	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
320-108023-B-4 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 394838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-1	MW3	Total/NA	Water	SM 4500 Cl- C	
570-164015-2	MW6	Total/NA	Water	SM 4500 Cl- C	
570-164015-3	MW17	Total/NA	Water	SM 4500 Cl- C	
570-164015-4	MW27	Total/NA	Water	SM 4500 Cl- C	
MB 570-394838/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-394838/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-394838/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-164015-4 MS	MW27	Total/NA	Water	SM 4500 Cl- C	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

General Chemistry (Continued)

Analysis Batch: 394838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-164015-4 MSD	MW27	Total/NA	Water	SM 4500 Cl- C	
570-164015-4 DU	MW27	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW3

Date Collected: 12/07/23 10:05
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-1

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		10	20 mL	20 mL	393281	12/15/23 21:24	KHF2	EET CAL 4
	Instrument ID: GCMSVV									
Total/NA	Prep	3510C			1053.7 mL	2 mL	392491	12/13/23 20:24	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	392580	12/14/23 11:57	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/15/23 01:01	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	392683	12/14/23 11:28	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392859	12/14/23 23:42	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	392168	12/13/23 09:15	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392573	12/13/23 20:43	K1UV	EET CAL 4
	Instrument ID: ICP10									
Total Recoverable	Prep	3005A			50 mL	50 mL	392134	12/13/23 08:55	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			392366	12/13/23 13:16	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total Recoverable	Prep	3005A			50 mL	50 mL	392134	12/13/23 08:55	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		5			392366	12/13/23 14:36	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	394698	12/19/23 17:29	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392861	12/14/23 17:26	JB	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW6

Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-2

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	393281	12/15/23 20:35	KHF2	EET CAL 4
	Instrument ID: GCMSVV									
Total/NA	Prep	3510C			995.2 mL	2 mL	392491	12/13/23 20:24	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM		2	1 mL	1 mL	392580	12/14/23 12:19	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			25 mL	50 mL	392683	12/14/23 11:28	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392859	12/14/23 23:44	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	392168	12/13/23 09:15	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			392573	12/13/23 20:51	K1UV	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	394698	12/19/23 17:36	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW6

Date Collected: 12/07/23 10:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-2
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	SM 2540C		1	100 mL	1000 mL	392861	12/14/23 17:26	JB	EET CAL 4
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW17

Date Collected: 12/07/23 09:25
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-3
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		10	20 mL	20 mL	393873	12/18/23 21:14	KHF2	EET CAL 4
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1030.4 mL	2 mL	392491	12/13/23 20:24	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	392580	12/14/23 12:42	UFLE	EET CAL 4
	Instrument ID: GCMSMM									
Total/NA	Analysis	9056A		1	4 mL	4 mL	392527	12/15/23 01:18	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	392683	12/14/23 11:28	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392859	12/14/23 23:46	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391671	12/12/23 08:40	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			393792	12/16/23 22:24	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:38	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		5			392267	12/13/23 10:25	C0YH	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	394698	12/19/23 17:43	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392861	12/14/23 17:26	JB	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW27

Date Collected: 12/07/23 08:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-4
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	393281	12/15/23 20:59	KHF2	EET CAL 4
	Instrument ID: GCMSVV									
Total/NA	Prep	3510C			1026.4 mL	2 mL	392491	12/13/23 20:24	TR8L	EET CAL 4
Total/NA	Analysis	8270C SIM		1	1 mL	1 mL	392580	12/14/23 13:04	UFLE	EET CAL 4
	Instrument ID: GCMSMM									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

Client Sample ID: MW27

Date Collected: 12/07/23 08:55
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-4

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	9056A		1	4 mL	4 mL	392527	12/15/23 01:35	U9XB	EET CAL 4
Total/NA	Analysis	9056A	DL	10	4 mL	4 mL	392527	12/15/23 02:25	U9XB	EET CAL 4
	Instrument ID: IC27									
Total/NA	Prep	245.1			25 mL	50 mL	392683	12/14/23 11:28	EV3M	EET CAL 4
Total/NA	Analysis	245.1		1			392859	12/14/23 23:48	CS5Z	EET CAL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			50 mL	50 mL	391671	12/12/23 08:40	JP8N	EET CAL 4
Total Recoverable	Analysis	6010B		1			393792	12/16/23 22:34	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total Recoverable	Prep	3005A			50 mL	50 mL	391676	12/12/23 09:07	JP8N	EET CAL 4
Total Recoverable	Analysis	6020		1			391934	12/12/23 14:40	Y2WS	EET CAL 4
	Instrument ID: ICPMS10									
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	394698	12/19/23 17:50	ZL4M	EET CAL 4
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	392861	12/14/23 17:26	JB	EET CAL 4
	Instrument ID: BAL100									
Total/NA	Analysis	SM 4500 Cl- C		1	5 mL	50 mL	394838	12/20/23 15:20	ZVB7	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: Trip Blank

Date Collected: 12/07/23 14:30
Date Received: 12/09/23 14:30

Lab Sample ID: 570-164015-5

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	393358	12/15/23 21:29	B7TT	EET CAL 4
	Instrument ID: GCMSL									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 570-164015-1
Project/Site: ExxonMobil Gladiola Station/238000257

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	07-31-24

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
6020	3005A	Water	Calcium
6020	3005A	Water	Magnesium
6020	3005A	Water	Potassium
6020	3005A	Water	Sodium
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
9056A		Water	Bromide
9056A		Water	Sulfate

Oregon	NELAP	4175	02-02-24

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 2320B		Water	Bicarbonate (as CaCO3)
SM 4500 Cl- C		Water	Chloride

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: ExxonMobil Gladiola Station/238000257

Job ID: 570-164015-1

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
9056A	Anions, Ion Chromatography	SW846	EET CAL 4
245.1	Mercury (CVAA)	EPA	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
6020	Metals (ICP/MS)	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

2841 DOW AVE SUIT 100
TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 4 3

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

TEL: 805 701 1420 | FAX: 805-457-8956 | James.Anderson@Stantec.com

GLOBAL ID # / COELT LOG CODE:

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

LAB USE ONLY

SAMPLER(S): Mark Lach

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

570-164015 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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE
~~1~~	~~MW-1~~	--			~~W~~	~~8~~	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
2	MW-2	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
1 3	MW-3	--	12-7-23	10:05	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
~~4~~	~~MW-4~~				~~W~~	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
5	~~MW-5~~	--			~~W~~	~~8~~	~~X~~	~~X~~	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
2 6	MW-6	--	12-7-23	10:55	W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
~~7~~	~~MW-7~~	--			~~W~~	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
~~8~~	MW-9	--			W	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
~~9~~	~~MW-10~~	--			~~W~~	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
~~10~~	~~MW-11~~				~~W~~	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic
~~11~~	~~MW-12~~				~~W~~	~~8~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic LNAPL
~~12~~	~~Trip Blank~~				W	2	X							

Relinquished by: (Signature) Mark Lach	Received by: (Signature) Fedex	Date, & Time: 12-7-23 16:20
Relinquished by: (Signature) Fedex	Received by: (Signature) Danie.	Date, & Time: 12-07-23 14:30
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

1.1/1.0 SC12

eurofins 841 DOW AVE SUIT 100
TUSTIN, CA 92780
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 / 238000257

ExxonMobil Engr: Chris Bear

CHAIN OF CUSTODY RECORD

DATE:
PAGE: 2 OF 13

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

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

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

TURNAROUND TIME: ☐ SAME ☐ 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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE	
1	MW-13	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
2	MW-14	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3	MW-15	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
4	MW-16	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3 5	MW-17	--	12-7-23	9:25	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
6	MW-18	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
7	MW-19	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
8	MW-20	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
9	MW-21	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
10	MW-22	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
11	MW-23	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
12	Trip Blank				W	2	X								

Relinquished by: (Signature) Mark Loth Fedex	Received by: (Signature) Fedex	Date & Time: 12-7-23 16:30
Relinquished by: (Signature)	Received by: (Signature) Daniel	Date & Time: 12-07-23 14:30
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

eurofins | Calscience
2841 DOW AVE SUIT 100
TUSTIN, CA 92780
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 / 238000257

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 3 OF 4

ExxonMobil Engr: Chris Bear

LABORATORY CLIENT: Stantec

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

TEL: 805 701 1420 FAX: 805-457-8956 James.Anderson@Stantec.com

GLOBAL ID # / COELT LOG CODE:

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

SAMPLER(S):

LAB USE ONLY

COOLER RECEIPT Temp = _____ °C

TURNAROUND TIME: ☐ SAM ☐ 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 Bicarbonate/Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	Calcium, magnesium, potassium and sodium 6020A	Bromide & Sulfate 9056A	CONTAINER TYPE	
1	MW-24	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
2	MW-25	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	LNAPL
3	MW-26	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
4	MW-27	--	12-7-23	8:55	W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
5	MW-28				W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
6	MW-29	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
7	MW-30	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
8	MW-31				W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
9	MW-32	--			W	8	X	X	X	X	X			3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
10	MW-33	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
11	MW-34	--			W	8	X	X	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic	
12	Trip Blank		12-7-23	14:30	W	2	X								

Relinquished by: (Signature) Mat Loch	Received by: (Signature) Fedex	Date & Time: 12-7-23 16:30
Relinquished by: (Signature) Fedex	Received by: (Signature) Daniel	Date & Time: 12-07-23 14:20
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

Released to Imaging: 12/16/2024 10:44:58 AM
Received by OCD: 12/6/2024 3:19:21 PM



Part # 159469-4

570-164015 Waybill

ORIGIN ID:DTHA (214) 972-5800
MARK LACK (GUEST)
HOLIDAY INN EXPRESS HOTEL & SUITES
4000 N. LOVINGTON HWY

HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 01DEC23
ACTWGT: 10.00 LB MAN
CAD: 0343492/CAFE3755

TO SHIPPING DEPARTMENT
EUROFINS CALSCIENCE
2841 DOW AVE
SUITE 100
TUSTIN CA 92780
(714) 895-5494
REF: S570-88187

RMA:

585C1/7012/AED7

FedEx Express

J23902305120A

RETURNS MON-SAT
FRI - 08 DEC AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 7174 2901 2167

92 DTHA

92780
CA-US
SNA

17648 08Dec2023 FULA 581G2/7C14/C0B8

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 570-164015-1

Login Number: 164015 **List Source: Eurofins Calscience**
List Number: 1
Creator: Perez Solis, Daniel

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.	True	

APPENDIX C

Recycling Documentation

ALAMO 1

BILL OF LADING

AR23-00579

GENERATOR

GENERATING NAME AND ADDRESS:
ExxonMobil Pipeline Company c/o Stantec
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	50	G	1	D

TYPE: D - DRUM, C. CARTON, B - BAG, T - TRUCK, P - POUNDS, Y - YARDS, O - OTHER

GENERATOR AUTHORIZED AGENT NAME: Mark Lach
SIGNATURE: Mark Lach on behalf of ExxonMobil Pipeline Company
SHIPMENT DATE: 9-8-23

TRANSPORTER

TRUCK NO: 75078
PHONE NO: 210-404-1220

TRANSPORTER NAME: Alamo 1
DRIVER NAME (PRINT): Matthew Waechter

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: Matthew
SHIPMENT DATE: 9/8/2023
DRIVER SIGNATURE: Craig Summers
SHIPMENT DATE: 9/8/2023

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: Heidi Barrilleaux
SIGNATURE: Heidi Barrilleaux
RECEIPT DATE: 9-11-2023

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:	OGRID:
EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	7673
	Action Number: 409536
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Second Half 2023 Groundwater Monitoring and Status Report, Former Gladiola Station, App ID: 409536	12/16/2024