SANTA BARBARA COUNTY
Resource Recovery & Waste Management Division
Innovative Environmental Solutions

Scott D. McGolpin
Public Works Director

Jeanette Gonzales-Knight
Technical Deputy Director, Interim

Martin Wilder
Operations Deputy Director, Interim

January 31, 2024

Sent via Electronic Mail and uploaded to GeoTracker

Ms. Jordan Haserot
Water Resource Control Engineer
Land Disposal Unit
Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

Subject: Third and Fourth Quarter 2023 Water Quality Monitoring Report
Foxen Canyon Closed Class III Landfill – Santa Barbara County
Monitoring and Reporting Program No. R3-2007-0027

Dear Ms. Haserot,

The Third and Fourth Quarter 2023 (July 1 – December 31, 2023) Water Quality Monitoring Report (Report) for the Foxen Canyon Closed Class III Landfill is attached. This Report has been prepared in accordance with Monitoring and Reporting Program No. R3-2007-0027, revised January 29, 2009.

Subsequent to the submittal of the Third and Fourth Quarter 2023 Report, no violations have been observed and no corrective actions were required. All mandated analyses were performed and laboratory results were within or below applicable thresholds. Groundwater sampling included the 5-Year Constituent of Concern parameters, with all results below applicable MCLs. The result of one analyte (2,3,7,8-TCDD) is pending from the analytical laboratory's subcontractor and will be included in the next monitoring report. Groundwater quality within this reporting period is consistent with historical results.

In accordance with the Standard Provisions and Reporting Requirements, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Please contact me with any questions or comments regarding this Report.

Thank you,

DocuSigned by:
Jeanette Gonzales-Knight
E31DF199C737496...

Jeanette Gonzales-Knight, PE
Technical Deputy Director, Interim

cc: Kevin Brown, Resource Recovery and Waste Management Division
Christina Wilder, Resource Recovery and Waste Management Division

TRANSMITTAL LETTER

Facility Name: Foxen Canyon Closed Landfill

Address: 4004 Foxen Canyon Road
Los Olivos, California 93441

Contact Person: Jeanette Gonzales-Knight

Job Title: Interim Technical Deputy Director, RR&WMD

Phone Number: (805) 882-3627

WDR/NPDES Order Number: WDR R3-2007-0027

Type of Report (circle one)**:** Monthly Quarterly (Semi-annual) Annual

Month(s)
(circle applicable months*)**:**

JAN FEB MAR APR MAY JUN
(JUL AUG SEP OCT NOV DEC)

***Annual Reports**
(circle the first month of the reporting period)

Year: 3Q and 4Q 2023

Violation(s) (Place an X by the appropriate choice)**:** X No (no violations to report) ____ Yes

If "Yes" is marked, complete a-g in the table below

a.) Parameters in Violation:	N/A
b.) Section(s) of WDR /NPDES Violated:	N/A
c.) Reported Value(s):	N/A
d.) WDR/NPDES Limit/Condition:	N/A
e.) Dates of Violations(s): (reference page of report/data sheet)	N/A
f.) Explanation of Cause(s): (attach additional information as needed)	N/A
g.) Corrective Action(s): (attach additional information as needed)	N/A

FOXEN CANYON CLOSED CLASS III LANDFILL

Waste Discharger Identification No. 3 420301002 (Revised January 29, 2009)
Monitoring and Reporting Program No. R3-2007-0027

THIRD AND FOURTH QUARTER 2023 WATER QUALITY MONITORING REPORT

SUBMITTED TO:

REGIONAL WATER QUALITY CONTROL BOARD – CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401-7906

PREPARED BY:

SANTA BARBARA COUNTY PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY AND WASTE MANAGEMENT DIVISION
130 EAST VICTORIA STREET, SUITE 100
SANTA BARBARA, CA 93101

January 2023

1 CONTENTS

CONTENTS (continued)

FIGURES

TABLES

APPENDICES

2 PURPOSE

In compliance with Monitoring and Reporting Program No R3-2007-0027, revised January 29, 2009 (MRP), this Third and Fourth Quarter 2023 Water Quality Monitoring Report (Report) documents the monitoring, observations, and results of these efforts at the Foxen Canyon Closed Class III Landfill (Site) to satisfy the requirements of the semiannual Monitoring Report elements contained in MRP Part III A and the Annual Report requirements in MRP Part III B. Chart 1 below provides the locations within this Report where the required information is provided. This Report is submitted to the State Water Board's GeoTracker database and notification is emailed to the Water Board as required.

Chart 1 MRP Compliance

MONITORING AND REPORTING PROGRAM NO. R3-2007-0027		FREQUENCY	LOCATION IN REPORT
Requirement Number	**Description**		
III.A.1	Letter of Transmittal shall include discussion of violations and be certified for accuracy.	Semiannually	Transmittal Letter
III.A.2	Compliance Summary shall contain discussion of compliance with concentration limits, release indications and any correction actions.	Semiannually	Section 4; Table 5; Figure 2; Appendices B, C, D and G
III.A.3	Graphical presentation of historical analytical data of each constituent's concentration for all Monitoring Points; groundwater contours and gradient	Semiannually	Section 5; Figures 4 and 5; Tables 1 through 4; Appendix E
III.A.4	Corrective Action Summary including significant aspects of any corrective action measures taken and calculation of pollutant load removal from analytical data.	Semiannually	Section 6; Table 5; Appendices B and D
III.A.5	Laboratory Results including a summary and compliance discussion.	Semiannually	Section 7; Tables 2 through 5; Appendices D through G
III.A.6	Sampling Summary of all Monitoring Points including descriptions of method and time of water level measurement; purging method and rate; well recovery time; field parameter readings and field sampling methods.	Semiannually	Section 8; Appendices C and D
III.A.7	Standard Observations shall contain a summary of WMU and perimeter inspections.	Monthly and post rain events	Section 9; Figures 2 and 3; Appendix B
III.A.8	Proof of notice to "Affected Persons" will include a copy of mailing list and letter sent.	Annually	Section 10; Appendix H

3 BACKGROUND INFORMATION

3.1 LOCATION AND HISTORY

The Site is located on Foxen Canyon Road approximately two miles north of the town of Los Olivos in central Santa Barbara County (**Figure 1**). The Site opened in 1970 to serve the residents of the Santa Ynez Valley. In 2003, the Site was placed in inactive status and converted to a transfer station. The Site was closed in 2007, and the final grading and drainage plan is in **Appendix A**.

3.2 SITE INVESTIGATIONS AND REMEDIATION HISTORY

Investigations conducted to date to characterize subsurface conditions beneath and around the Site include:

- Foxen Canyon Landfill Site Geologic Characterization (EMCON Southwest, 1992)
- Solid Waste Assessment Test (Staal, Gardner & Dunne, 1992)
- Water Quality Program and Financial Cost Estimates (EMCON Southwest, 1992)
- Proposed Monitoring Evaluation Program (RRWMD, 1995)
- Engineering Feasibility Study Corrective Action Plan (RRWMD, 1996)
- Landfill Gas Extraction System Construction and Installation (RRWMD, 1997)
- Final Closure and Post-Closure Maintenance Plan (RRWMD, 2005)
- Final Cover Design and Construction (RRWMD, 2005-2007)
- Landfill Closure (RRWMD and CCRWQCB, 2007)
- Five-year update of the Monitoring Network Evaluation Report (Santa Barbara County, 2013)
- Monitoring Network Evaluation Report (Geosyntec Consultants, 2018), and
- Slope Stability Reports (various).

The Solid Waste Assessment Test conducted in 1992 detected volatile organic compounds (VOCs) in groundwater samples. The LFG system was initially installed in 1997 and revised during Site closure activities conducted in 2007 (RRWMD, 2013). The LFG extraction system includes 16 vertical LFG extraction wells, a condensate storage tank, a candlestick flare, blowers, and associated piping and controls. Since installation, the LFG extraction system has effectively mitigated potential gas migration as evidenced by methane measurements of zero percent by volume at 14 perimeter LFG probes. Since 2013, VOC concentrations in groundwater samples have consistently been detected below maximum contaminant levels (MCLs) or not-detected above laboratory method detection limits (MDLs).

A number of environmental compliance and monitoring locations have been installed and continue to be monitored and maintained in accordance with the MRP. The monitoring points included in the MRP are listed below and presented on **Figures 2** and **3**.

- Nine groundwater monitoring wells (MW2, MW3, MW4, MW5, MW8, MW9R, MW10, MW11, MW12). The well formerly designated as MW1 is now a water supply production well and is identified as Well 1.
- Twenty LFG monitoring probes (6 interior probes, 14 perimeter probes)
- 16 LFG extraction wells, and
- Two lysimeters (LY1 and LY2) were installed and monitored at the Site and abandoned in 2012.

3.3 HYDROGEOLOGY

The unsaturated zone beneath the Site extends intermittently to depths of between 250 and 300 feet below ground surface. Ground water is present in the thin sandstone and conglomerate beds of the B, D, and F Zones of the Paso Robles Formation (EMCON Southwest, February 1992).

These water-bearing zones are hydraulically isolated from each other based on ground water gradient data. There is no continuous water table within the underlying Paso Robles Formation in the region, indicating a lack of continuous hydraulic connection. However, the regional ground water data indicates an overall regional southward flow direction.

Perched groundwater is also observed following periods of heavy rain in the canyon area located adjacent and south of the Site. Perched groundwater is observed migrating south along the base of the alluvium in the canyon.

One water supply well (Well 1), and several others are identified approximately one mile south of the Site (RWQCB, 2007).

3.4 RAINFALL DATA

The mean annual rainfall at the Site is 15.93 inches, and during the reporting period the nearest County of Santa Barbara rain gauge recorded a total of 4.47 inches. Chart 2 presents the total precipitation recorded during each three-month period, precipitation during the most intense 24-hour storm, and the storms equal to or exceeding one inch in 24 hours.

Chart 2 Precipitation

LOS OLIVOS – FOXEN CANYON RAIN GAUGE (507)			
PERIOD	**PRECIPITATION (INCH)**	**MAX. STORM INTENSITY INCH/24 HOURS**	**STORM INTENSITY ≥ 1 INCH/24 HOURS**
July 1 – September 30, 2023	0	0	N/A
October 1 – December 31, 2023	4.47	1.45 (12/20/23)	0
TOTAL Q3Q4	4.47		

4 COMPLIANCE SUMMARY

During this monitoring period, compliance field activities conducted include obtaining groundwater elevation measurements, groundwater purging and sampling, landfill gas (LFG) operation and maintenance and monitoring, surface water monitoring, site observations and inspections, and cover maintenance. All compliance objectives were met, with no exceedances of Primary or Secondary MCLs from collected monitoring data. No corrective actions were required or implemented at the Site during this monitoring period.

4.1 GROUNDWATER ELEVATION AND FLOW DIRECTION

Groundwater elevation measurements, purging and sampling activities were performed by BlaineTech Services Inc. (BlaineTech). **Appendix C** includes measurements obtained and field procedures utilized by BlaineTech with a more detailed discussion provided in Section 8 Sampling Summary.

4.2 GROUNDWATER SAMPLING RESULTS

Only one well, MW3 (cross-gradient) contained sufficient water for BlaineTech to sample. The samples obtained this reporting period are compliant with concentration limits for the parameters in MRP Table 2 and are consistent with historical laboratory analytical results for the FCCL. Laboratory analytical results are summarized in Section 7 of this Report.

4.3 LANDFILL GAS

Interior and perimeter LFG probes (**Figure 2**) are used to evaluate the potential for LFG migration at the Site and no exceedances of perimeter probes for the parameters in MRP Table 4 occurred during this reporting period. Quarterly monitoring of probes was performed on September 27 and December 18, 2023 using a Landtec GEM^{TM} 5000. Field sheets including measurements of percent by volume of methane, oxygen, and carbon monoxide were recorded, along with other metrics and field observations, and are located in **Appendix G**.

Results of annual testing of the gas collection system and condensate are summarized in **Table 5** with all LFG laboratory reports in **Appendix D** and historical data in tabular format in **Appendix G**.

4.4 SURFACE WATER MONITORING

Surface water is sampled at the concrete lined stormwater sedimentation basin southeast of the Site prior to discharging offsite for the parameters in MRP Part I.G. During this reporting period, samples were collected on December 19, 2023, and the laboratory report is included in **Appendix D.** Laboratory analytical results are summarized in Section 7 of this Report.

4.5 SITE OBSERVATIONS AND INSPECTIONS

No corrective actions were required or implemented at the Site during this monitoring period. Completed field sheets are found in **Appendix B** and further discussion is in Section 9 Standard Observations.

5 GRAPHICAL PRESENTATION OF ANALYTICAL DATA

Required monitoring point sampling for parameters in MRP Tables 2 and 4 are measured quarterly, and MRP Table 3 constituents are measured every five years.

Historic and current trend plots of these laboratory analytical data are included in **Appendix E**, with all monitoring analytical data presented in tabular form in **Tables 2** through **4**.

On November 7, 2023, BlaineTech collected groundwater elevation measurements from on-site wells using an electronic water-level measurement device. Measurements were recorded to the nearest hundredth of a foot relative to each surveyed top-of-well casing. Groundwater elevation measurements are used to estimate groundwater gradient and flow direction. Due to the continuing dry conditions of a majority of the Site's monitoring wells, historical data was utilized to determine the gradient as 0.166 feet/foot to the south/southwest (COSB, 2020). Groundwater elevation measurements are presented in **Table 1** and on **Figure 4**, and a groundwater elevation hydrograph (**Figure 5**) presents groundwater elevation variations at the Site over time.

6 CORRECTIVE ACTION SUMMARY

No corrective actions were required or conducted at the Site during this monitoring period, as documented on the field sheets in **Appendix B**.

The calculated mass contaminant removed (MCR) from the Site's collection systems based on analytical results are summarized in Chart 3, with supporting calculations in **Table 5**, and further discussion in Section 7.2 Landfill Gas. LFG laboratory reports for this monitoring period are in **Appendix D**.

Chart 3 Mass Removals

MEDIA	VOLUME REMOVED	DISPOSITION	MCR (lbs.)
LFG	9,275,038 SCF	Flare	21.8
Condensate	750 gallons	Onsite storage until hauled off	0.068

7 LABORATORY RESULTS

7.1 GROUNDWATER

Groundwater samples were collected and analyzed in accordance with USEPA methods, using a laboratory certified by the State of California, Oilfield Environmental & Compliance (OEC), according to MRP Table 2. Samples were collected by BlaineTech in the proper sample containers using laboratory-certified clean bottles and immediately labeled with pertinent information, including Site name, well name, sample date and time, requested analysis and preservative with proper chain of custody documentation (CoC) before being placed in coolers with ice for placement in a refrigerator at Tajiguas Landfill, a County-owned facility, until relinquished to a laboratory courier for transport to OEC for analysis. Sample CoCs are included in the complete laboratory analytical results provided in **Appendix D**. Current and historical results plotted over time are included in **Appendix E.**

This reporting period's groundwater monitoring results are consistent with previous monitoring events as summarized below.

- No unusual analyte detections (<10% historical frequency in well) requiring resampling via non-statistical analysis.
- No VOC detections.
- No exceedances of primary or secondary MCLs.
- All laboratory detection limits were sufficiently low, below applicable DLRs and MCLs.

Results of the 5-Year Constituents of Concern are summarized below. Of the list in MRP Table 3, one analyte result is pending from the laboratory subcontractor: (2,3,7,8-TCDD); this result will be included in the next semiannual monitoring report. **Table 6** provides the results of the sampling event.

- No VOCs, SVOCs, Pesticides, Herbicides, or PCBs were detected.
- Only nine of the 5-year Constituents of Concern analytes were detected in samples (metals and inorganics, all below applicable MCLs, and consistent with previous events' concentrations).
    - Metals: Arsenic, Chromium, Magnesium, Selenium, Sodium, Vanadium
    - Inorganics: Chloride, Nitrate, Sulfate

Current and historical sampling results are provided in **Tables 2** through **4** and in **Appendices E** and **F**. A discussion of notable historical results is listed below.

- The last historical MCL exceedance was in 2013 in a sample from downgradient well MW8 for semi-volatile organic compound (SVOC) bis(2-ethylhexyl) phthalate.
- The last VOC MCL exceedance was for 1,4-dichlorobenzene in a 2002 sample from Lysimeter 1. VOCs have not been detected above the MCL in samples from the Site since that time.

More than 300 analytes have been evaluated at the Site. Of those analytes, 79% have consistently not been detected above laboratory MDLs.

7.1.1 Groundwater Statistical Analysis Results

A statistical evaluation and limit review of analytical data has been conducted by Geosyntec Consultants utilizing Sanitas™ statistical software. Detailed results of the statistical evaluation are presented in **Appendix F** and provide data compilation methods, outlier identification, trend testing, selection of background and compliance data, and the intrawell statistical analytical methods used to develop concentration limits. The following is a summary of the statistical analyses results:

- Statistically significant increasing trends were not identified in Well MW3 for the background data sets, which include data collected through May 2023. Concentration limits were developed with the background data sets using the intrawell Prediction Limit analysis described in **Appendix F**, Section 5. The concentration limits for each monitoring parameter/well pair are included in **Appendix F**, Table 1.
- All monitored inorganic parameters were below their respective concentration limits.

7.2 LANDFILL GAS

7.2.1 Extraction System

Weekly flow rate measurements are recorded at the LFG extraction system flare and are used to estimate weekly flow based on hours of operation. The total volume estimates of condensate, LFG extracted and concentrations of specific indicator compounds are used to estimate the MCR by these pollution control systems. Pollutant load removed by the LFG extraction system, mass removal calculations and condensate volumes for this reporting period are presented in **Table 5.**

Data collected this reporting period validates continued VOC mass removal by the LFG system with semiannual MCR declining over time. Field sheets documenting LFG operations, maintenance and monitoring and historical LFG data are in **Appendix G**.

7.2.2 Migration Monitoring Probes

Perimeter and interior probes were monitored on September 27 and December 18, 2023 and the data is provided in **Appendix G**. Perimeter probes measurements recorded zero percent methane by volume.

7.3 SURFACE WATER

Stormwater runoff samples were collected on December 19, 2023 by Geosyntec and analyzed for pH, total suspended solids, specific conductance, oil and grease, and iron. Laboratory analysis was conducted by OEC and analytical reports are included in **Appendix D** with field logbook sheets in **Appendix C**.

8 SAMPLING SUMMARY

On November 7, 2023, depth to groundwater measurements were collected from two on-site wells (MW3 and MW8) by BlaineTech before purging and sampling MW3, the well with sufficient water. After collecting groundwater measurements, BlaineTech utilized low-flow purging and sampling techniques in compliance with applicable standards. Groundwater depths, method and time of water level measurement, purge volumes and recovery time for each well are recorded on field sampling data sheets in **Appendix C.** For each sampling event, a duplicate sample, equipment blank and trip blank is taken for sampling and laboratory quality control. MW3 was monitored for semiannual parameters and the five-year constituents of concern. All sample results are provided in **Appendix D** and no anomalies were reported.

9 STANDARD OBSERVATIONS

Site inspections conducted consist of standard observations of the Site, including the Site's perimeter, cover, receiving waters, drainage systems and deficiencies. Monthly and post-rain event inspections were conducted on July 24, 2023; August 29, 2023; September 20, 2023; October 10, 2023; November 29, 2023 and December 27, 2023. It was noted the areas damaged from the January 2023 storms were well protected with plastic sheeting and the work to perform the repairs is contracted to begin April 2024. All field sheets are provided in **Appendix B**. Monitoring points and Site features are depicted on an aerial photograph in **Figures 2** and **3**.

10 PROOF OF NOTICE TO "AFFECTED PERSONS"

A copy of the letter sent via electronic mail to "Affected Persons" and the mailing list is included in **Appendix H.** This report was transmitted to each person on January 31, 2024.

11 REFERENCES

2023. First and Second Quarter 2023 Water Quality Monitoring Report. July 31, 2023.

2023. Third and Fourth Quarter 2022 Water Quality Monitoring Report. January 31, 2023.

2022. First and Second Quarter 2022 Water Quality Monitoring Report. July 31, 2022.

2022. Third and Fourth Quarter 2021 Water Quality Monitoring Report. January 31, 2022.

2021. First and Second Quarter 2021 Water Quality Monitoring Report. July 30, 2021.

2013. Foxen Canyon Closed Landfill Post Closure Maintenance Plan. June 27, 2013.

2007. Landfill Closure, RRWMD and CCRWQCB, September 2007.

2005-2007. Final Cover Design and Construction, 2005-2007.

2005. Final Closure and Postclosure Maintenance Plan. December 2005.

1997. Landfill Gas (LFG) extraction system construction and installation. 1997.

1996. Revised Report of Waste Discharge, Engineering Feasibility Study Corrective Action Plan.

1995. Revised Report of Waste Discharge, Proposed Evaluation Monitoring Program, Foxen Canyon Landfill, Santa Barbara County, California. February 1995.

1994. Report of Monitoring Feasibility. September 1994.

EMCON Southwest. 1992. Foxen Canyon Geologic Site Characterization. February 1992.

Geosyntec Consultants, Inc. Monitoring Network Evaluation Report. April, 2018.

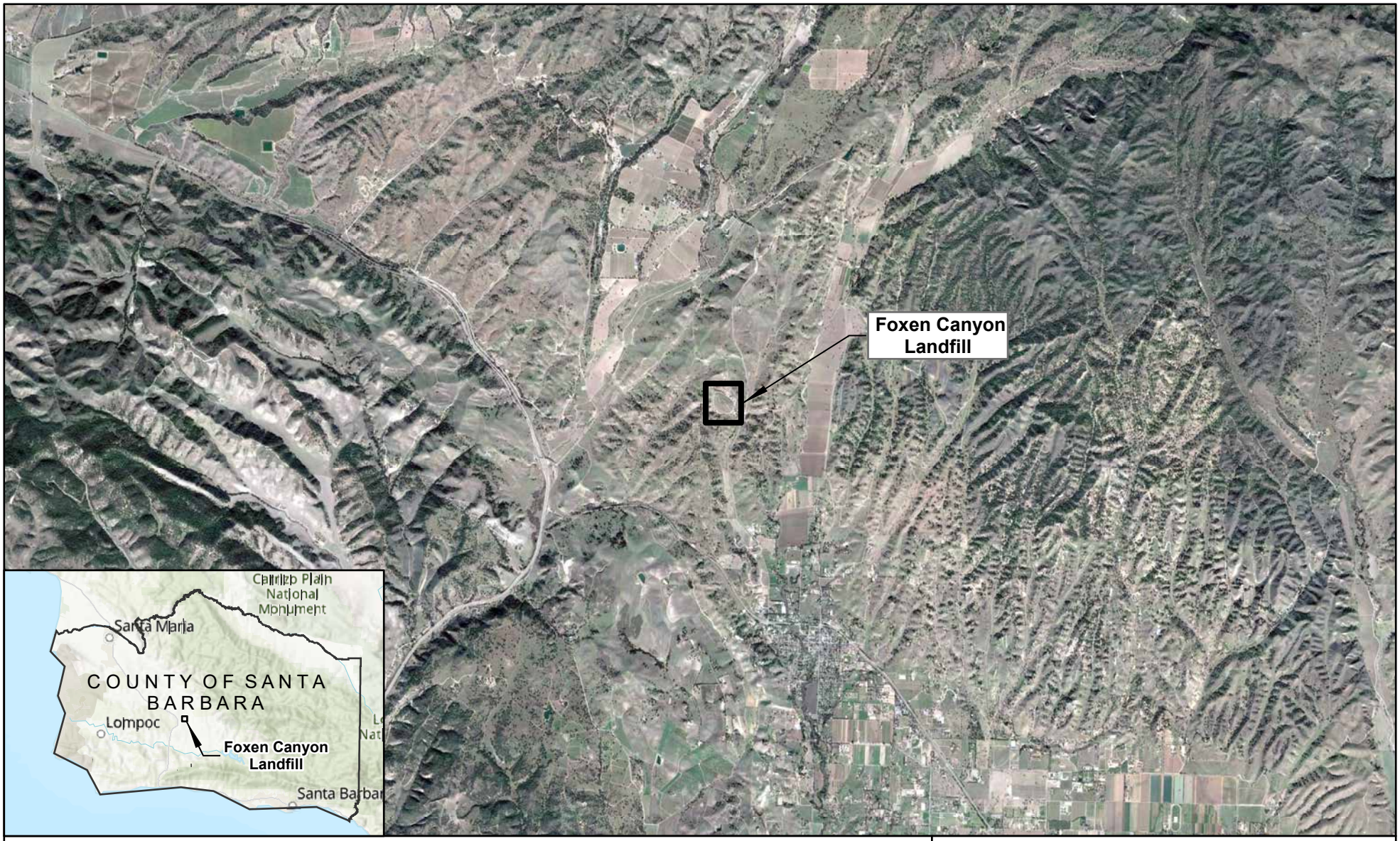
Regional Water Quality Control Board (RWQCB), 2009. Revised Monitoring and Reporting Program No. R3-2007-0027. January 29, 2009.

2007. Waste Discharge Requirements Order No. R3-2007-0027

1994. Waste Discharge Requirements. April 8, 1994.

Staal, Gardner & Dunne. 1992. Solid Waste Assessment Test 1992.

FIGURES



Site Location Map
Foxen Canyon Closed Landfill

County of Santa Barbara
California

Geosyntec consultants

Santa Barbara | January 2024

Figure 1

SantaBarbara: P:\GIS\County of Santa Barbara RRWMD\Projects\RRWMD MRP\2023Q4\FCCL\FCCL.aprx\FCCL_Fig01_Site_Location 1/3/2024 9:12 AM (Caelan.Conrad)

Legend

- Onsite Landfill Gas Probe
- Gas Extraction Well
- Perimeter Landfill Gas Probe, Shallow Alluvial Zone
- Extraction System Infrastructure
- Stormwater Infrastructure
- Approximate Contact Between Geologic Formations
- Lease Boundary
- Subtitle D Waste Boundary

Perimeter Landfill Gas Probe Location (Probe Depth (ft bgs))

Geologic Units:
Qa: Alluvial Stream Deposits
QTp: Paso Robles Fm.

Notes:
ft bgs = feet below ground surface
LFG= landfill gas
Geology digitized from Dibblee, T.W., and Ehrenspeck, H.E., ed., 1993, Geologic map of the Zaca Creek quadrangle, Santa Barbara County, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-45, scale 1:24,000
Imagery Source: Google Earth, 2018

N

0 275 Feet

Site Features and LFG System
Foxen Canyon Closed Landfill

County of Santa Barbara
California

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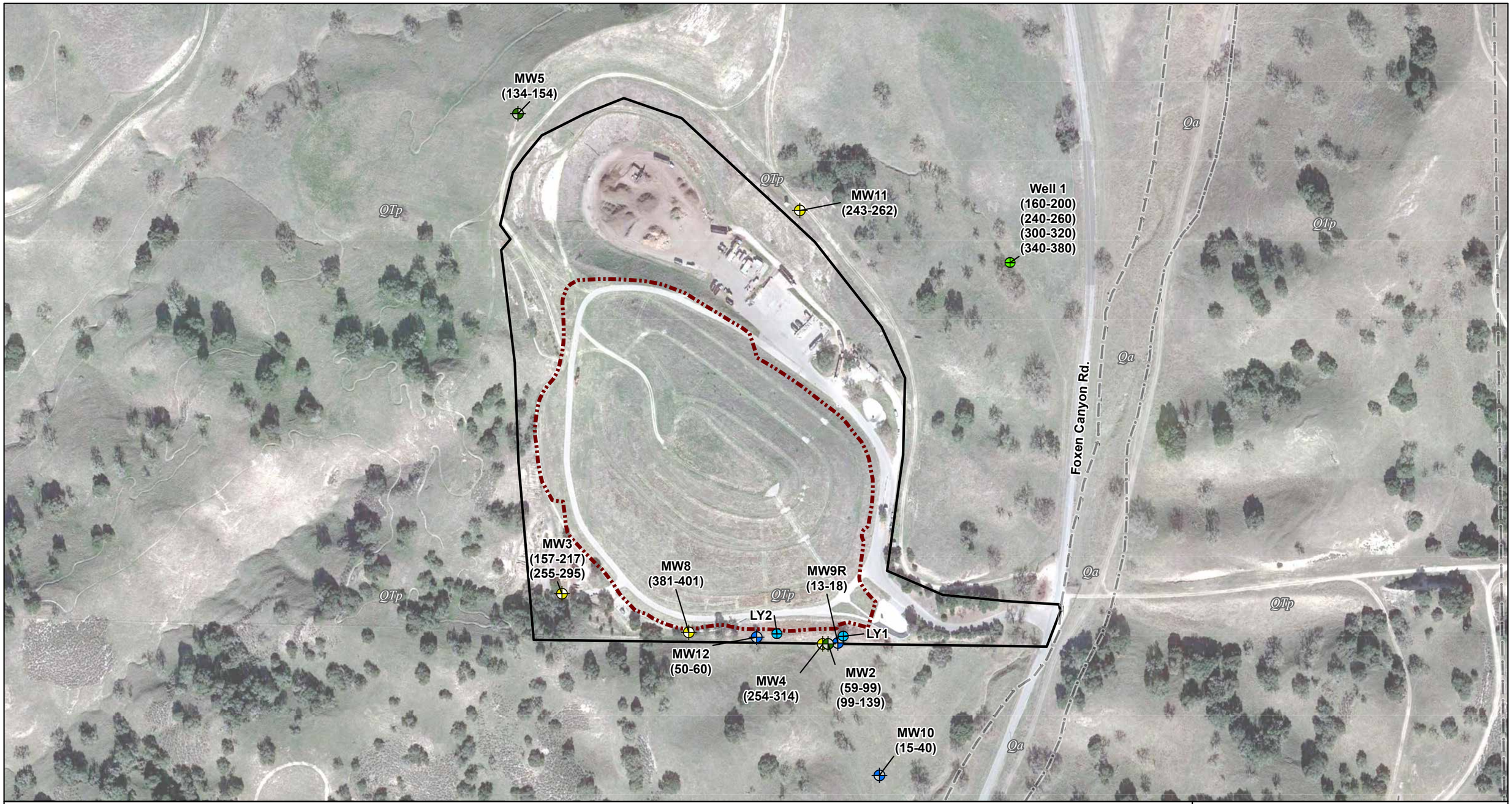
Figure 2



Legend

- Water Supply Well, Multiple Zones Screened
- Groundwater Monitoring Well, Shallow Alluvial Zone
- Groundwater Monitoring Well, Perched Groundwater Zone
- Groundwater Monitoring Well, Saturated Groundwater Zone
- Lysimeter (abandoned)
- Approximate Contact Between Geologic Formations
- Lease Boundary
- Subtitle D Waste Boundary

Well Location
(Top of Screen (ft bgs) - Bottom of Screen (ft bgs))

Notes:
ft bgs = feet below ground surface
Geology digitized from Dibblee, T.W., and Ehrenspeck, H.E., ed., 1993, Geologic map of the Zaca Creek quadrangle, Santa Barbara County, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-45, scale 1:24,000
Imagery Source: Google Earth, 2018
Geologic Units:
Qa: Alluvial Stream Deposits
QTp: Paso Robles Fm.

N

0 275 Feet

Groundwater Monitoring Wells
Foxen Canyon Closed Landfill

County of Santa Barbara
California

Geosyntec consultants

Santa Barbara | January 2024

Figure 3

SantaBarbara: P:\GIS\County of Santa Barbara RRWMD\Projects\RRWMD MRP\2023Q4\FCCL\FCCL.aprx\FCCL_Fig03_Groundwater_Monitoring_Wells 1/3/2024 9:12 AM (Caelan.Conrad)

Legend

- Groundwater Monitoring Well, Shallow Alluvial Zone
- Groundwater Monitoring Well, Saturated Groundwater Zone
- Subtitle D Waste Boundary
- Approximate Contact Between Geologic Formations
- Lease Boundary

Geologic Units:
Qa: Alluvial Stream Deposits
QTp: Paso Robles Fm.

Monitoring Well Location
Groundwater Elevation (ft AMSL)

Notes:
Contours not generated due to number of dry wells.
ft AMSL = feet above mean sea level
Geology digitized from Dibblee, T.W., and Ehrenspeck, H.E., ed., 1993, Geologic map of the Zaca Creek quadrangle, Santa Barbara County, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-45, scale 1:24,000
Imagery Source: Google Earth, 2018

N

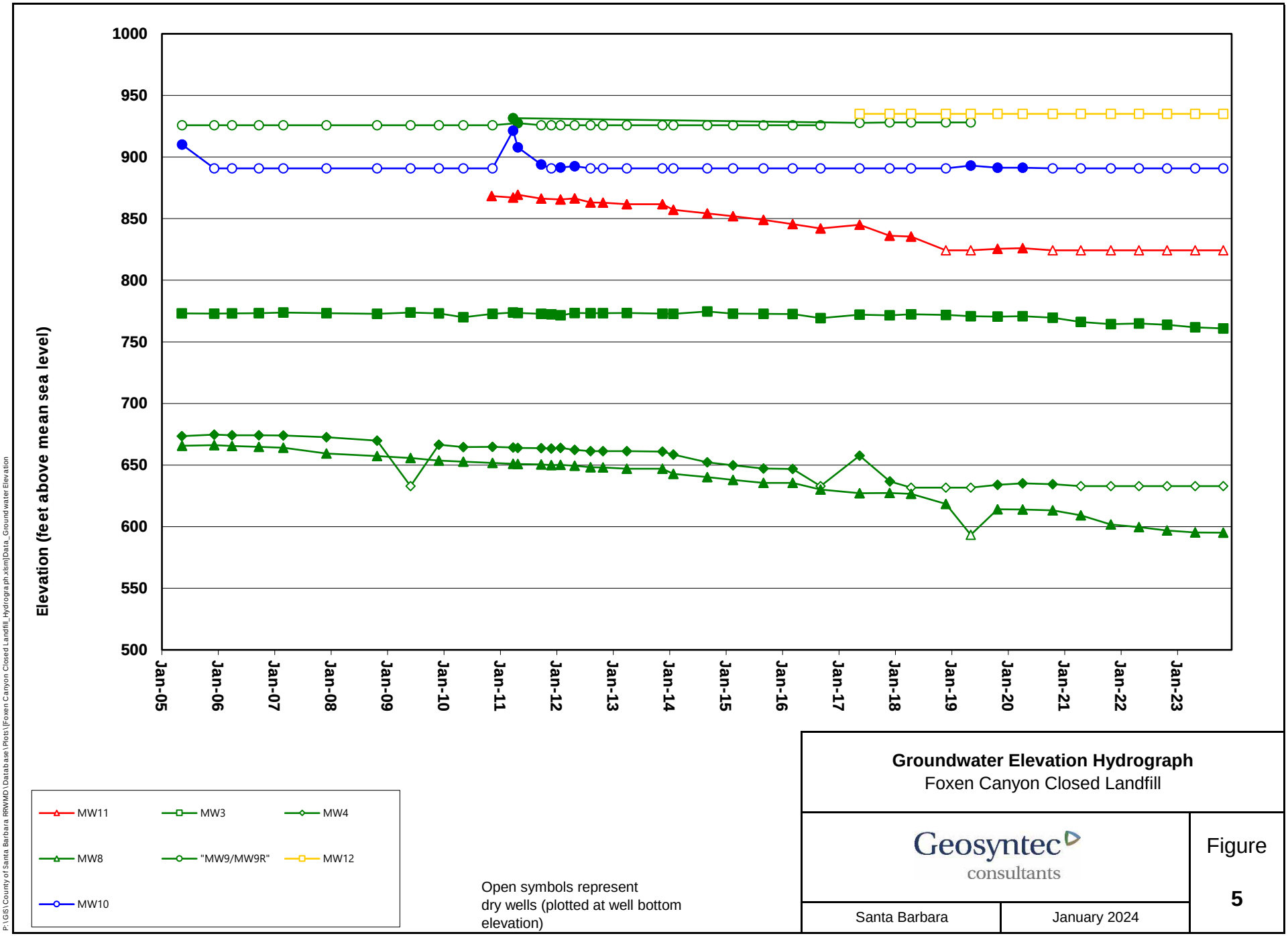
0 275 Feet

Groundwater Elevations
November 7, 2023
Foxen Canyon Closed Landfill
County of Santa Barbara
California

Geosyntec consultants

Santa Barbara | January 2024

Figure 4



TABLES

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well	Date Measured	Reference Elevation (Top of Casing, ft. amsl)	Depth to Water (ft.)	Groundwater Elevation (ft. amsl)	Sampling Note
MW3	11/7/2023	1023.07	262.21	760.86	
MW4	11/7/2023	946.94	DRY	DRY	
MW8	11/7/2023	999.45	404.3	595.15	Insufficient water present in the well to collect a sample.
MW10	11/7/2023	931.32	DRY	DRY	
MW11	11/7/2023	1086.34	DRY	DRY	
MW12	11/7/2023	995	DRY	DRY	

ft. amsl: feet above mean sea level

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW3	1988-08-24		71		2.8			14											7.2		510		
	1988-11-18		67		3.1			68											7.3		440		
	1989-03-29		65		0.72			17											6.6		360		
	1989-06-14		66		2.7			13											6.6		370		
	1989-10-04		66		2.4			11											6.5		380		
	1989-12-13		65		2.4			11											6.9		380		
	1990-03-28		57		2.4			10											7.1		400		
	1990-06-01		62		2.5			8.2											7.4		370		
	1990-09-27		62		2.5			9.0											6.9		380		
	1990-12-20		59		2.6			11											6.9		340		
	1991-05-01		58		2.1			13											7.0		360		
	1991-07-03		42		2.8			12											7.4		390		
	1991-09-18		66		2.2			14											7.2		390		
	1991-12-17		69		2.6			12											7.2		360		
	1992-03-18		53		2.6			13											7.4		390		
	1992-06-12		61		2.7			12											7.8		340		
	1992-10-20		60		2.6			12											6.8		400		
	1992-12-16		61		2.7			11											7.0		370		
	1993-06-25		69		2.7			13											7.2		390		
	1993-10-20		63		2.5			18											7.2		390		
	1993-12-07		61		2.4			12											7.6		350		
	1994-03-15		66		2.5			11											6.8		380		
	1994-06-07		68		2.6			14											7.2		390		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW3	1994-09-07		66					12											7.3		390		
	1994-12-06		68		2.5			12											6.2		390		
	1995-03-15		65		2.6			18											7.0		410		
	1995-06-13		60		2.2			15											7.1		430		
	1995-10-05		58		1.8			12											6.4		420		
	1995-12-19		57					8.6											6.9		360		
	1996-03-19		58		12			57											6.7		540		
	1996-06-11		62		9.5			26											6.5		430		
	1996-09-19		64		1.3	5.8		10											7.0		330		
	1996-12-19		64		1.1	5.0		9.1											6.4		340		
	1997-03-25		65		2.0	8.7		12											7.0		370		
	1997-05-14		60		2.2	9.7		8.3											6.6		500		
	1997-09-12		58		1.0	4.4		12											7.0		400		
	1997-12-18		56		2.9	13		10											7.4		300		
	1998-03-03		63		3.1	14		13											7.2		380		
	1998-06-02		56		2.4	11		15											7.3		420		
	1998-09-15		61		12			12											7.1		400		
	1998-12-17		57		11			10											7.5		380		
	1999-03-09		56		10			10											7.1		380		
	1999-05-11		58		12			11											7.4		370		
	1999-09-24		57		12			11											7.1		390		
	1999-11-30		56		11			12											7.2		440		
	2000-03-21		58		12			12											7.4		400		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW3	2000-05-09		56		12			12											7.4		400		
	2000-07-25		56		11			11											7.5		400		
	2000-12-13		57		12			11											7.4		430		
	2001-01-31		58		12			11											6.5		370		
	2001-05-09		55		11			12											6.9		400		
	2001-08-14		56		12			12											7.4		380		
	2001-12-18		55		11			11											7.2		390		
	2002-03-26		55		11			12											7.3		370		
	2002-06-13		54		13			10											7.0		350		
	2002-12-04		61		12			13											7.2		410		
	2003-02-25		56		11			12											7.6		390		
	2003-04-24		57		13			12											6.9		410		
	2003-09-24		56		11			12											7.4		400		
	2004-02-25		56		11			12											7.0		370		
	2004-08-05		54		2.8			15													390		
	2005-05-10		49		2.6			14													490		
	2005-12-06		57		2.9			14													430		
	2006-03-31		55		1.6			16													380		
	2006-09-21		57		2.7			14													450		
	2007-02-27		55		2.7			13													430		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW3	2007-12-04		55		2.8			13					22								380		
	2008-06-16		60		3.0			25					ND								420		
	2008-10-27		58		3.2			15					< 5.0								420		
	2009-06-02		57		2.8			14					27								430		
	2009-12-03		54		2.8			14					< 5.6								400		
	2010-05-05		58		2.9			13					< 4.5								390		
	2010-11-15		58		2.8			13					19								420		
	2011-04-28		53		2.7			13					< 4.5								510		
	2011-11-17		58		2.8			14					< 4.5								400		
	2012-05-01		59		3.0			15					23								410		
	2012-11-01		58		2.9			13					9.2								390		
	2013-08-01		58		2.9			13					5.9								410		
	2014-02-12		59		2.9			13					< 7.3								390		
	2014-09-08		52		2.3			13					100								520		
	2015-02-23		55		2.5			13					34								410		
	2015-09-08		61		2.6			14					< 10								400		
	2016-03-15		59		2.9			16					< 10								400		
	2016-09-12		59		2.7			16					< 10								380		
	2017-05-23		56		2.9			18					32								400		
	2017-12-05		61		2.8			17					< 10	685	20.5	1.90			7.67	65.7	420		125
	2018-04-23		59		3.3			19					< 20	698	51.8	4.40			7.84	74.3	440		79
	2018-12-04		61		2.7			17					< 20	699	28.6	2.69			6.24	64.1	390		0.0
	2019-05-14		52		2.5			17					< 20	700	23.5	2.09			6.75	70.7	400		2.8
	2019-11-04		63		2.9			14					15 J	692		4.67		49.7	6.88		410 A07		4.0
	2019-11-04		63		3.0			14					< 7.8								420 A07		
	2020-04-15		42		2.7			21					19 J	686		4.24		55.8	6.88		450 A07		4.0
	2020-10-27		62		2.7			14					33	738		4.48		69.2	6.90		410 A07		6.0
	2021-04-27		44		3.4			15					7.1 J	706		4.69		54.3	6.81		380 A07		5.0
	2021-11-09		62		2.8			14					78	692		4.01		110.2	7.21		410 A10		1.0
	2022-05-10		62		2.7			14					5.8 J	692		3.51		41.0	7.05		400 A10		4.0
	2022-11-08		63		2.9			14					12 J	661		3.29		38.6	7.01		400 A10		3.0
	2023-05-09		39		1.9			14					36	582		2.59		35.0	7.42		380 A10		3.0
	2023-11-07		61		2.8			16					< 20	637		3.25		60.3	7.10		430		2.0

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW4	1989-10-04		41	0.30	ND	ND		130	260	320		290		780					7.2		500		
	1989-12-20		26	0.20	0.60	2.6		87	280	340		340		780					6.9		500		
	1990-04-17		26	0.050	ND	ND		87	280	340		330		770			ND		7.7		420	2.0	
	1990-06-01		24	0.050	0.50	2.2		91	310	380		360		790			ND		7.6		460	ND	
	1990-09-28		24	0.20	1.2	5.3		94	300	370		340		830			0.15		7.2		490		
	1990-12-20		27	0.20	0.60	2.7		88	280	340		350		770			ND		7.4		440	ND	
	1991-05-02		31	0.10	1.2	5.3		89	320	390		390		820			0.020		7.6		470	ND	
	1991-07-03		24	0.20	1.4	6.2		91	310	380		370		750			ND		7.5		500	ND	
	1991-09-18		33	0.20	1.2	5.3		78	300	370		360		840			ND		7.4		470	ND	
	1991-12-17		24	0.20	1.4	6.2		89	290	360		330		770			0.030		7.5		450	1.0	
	1992-03-18		24	0.20	1.5	6.6		89	340	420		400		870			ND		7.3		520	4.0	
	1992-06-12		25	0.20	1.5	6.6		81	340	410		400		880			ND		7.5		480	ND	
	1992-10-20		25	0.30	1.5	6.6		92	340	340	410	400		800			ND		7.1		520		
	1992-12-16		26	0.20	1.6	7.1		90	310	380		350		800			0.050		7.7		470	ND	
	1993-06-25		30	0.20	0.90	4.0		95	360	440		420		890			ND		7.1		530	ND	
	1993-10-20		27	0.20	1.7	6.1		90	330	330	400	360		820			ND		7.2		520		
	1993-12-07		24	0.30	1.6	7.1		84	310	310	380	380		830			ND		7.6		480	ND	
	1995-10-05		26		1.1	4.8		89											7.0		560		
	1995-12-19		25					88											7.2		460		
	1996-03-19		22		7.3			82											7.1		550		
	1996-06-11		26		7.3			92											7.0		510		
	1996-09-19		31		1.2	5.3		89											7.2		500		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW4	1996-12-19		26		1.3	5.9		78											7.1		500		
	1997-03-25		35		1.4	6.3		85											7.1		510		
	1997-05-15		14		1.1	4.9		79											7.1		560		
	1997-09-12		26		1.3	5.8		97											7.2		560		
	1998-03-10		26		1.5	6.7		100											7.4		500		
	1998-06-02		26		1.6	7.0		110											7.4		520		
	1998-09-15		27		7.4			92											7.2		460		
	1998-12-17		25		6.4			80											7.4		480		
	1999-03-09		25		6.4			83											7.2		480		
	1999-05-11		27		7.5			93											7.4		460		
	1999-09-24		27		7.7			90											7.3		520		
	1999-11-30		26		7.4			89											7.5		510		
	2000-03-21		28		7.9			95											7.4		510		
	2000-05-09		27		7.6			93											7.4		510		
	2000-07-25		34		5.2			85											7.2		490		
	2000-12-13		26		7.2			90											7.4		460		
	2001-01-31		28		7.2			93											7.0		490		
	2001-05-18		26		7.7			110											5.6		480		
	2001-08-14		25		6.8			92											7.5		460		
	2001-12-08		25		6.9			88											7.5		460		
	2002-03-26		26		7.2			88											7.4		460		
	2002-06-13		25		7.9			81											7.3		530		
	2002-09-26		22		5.8			83											7.5		490		
	2002-12-04		25		2.8			84											7.2		490		
	2003-02-25		26		6.6			89											7.5		480		
	2003-04-24		26		7.8			90											7.1		510		
	2003-09-24		26		6.7			90											7.5		470		
	2004-02-25		26		6.3			89											7.2		470		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW4	2004-08-05		25		1.8			91											7.1		460		
	2005-05-10		23		1.7			78													490		
	2005-12-06		26		2.1			89													500		
	2006-03-31		24		0.89			87													440		
	2006-09-21		24		1.6			85													510		
	2007-02-26		25		1.7			84													500		
	2007-02-27		25		1.7			84													500		
	2007-12-04		24		1.7			81					< 5.0								440		
	2008-06-16		31		1.3			90					ND								510		
	2008-10-27		25		1.9			90					< 5.0								490		
	2009-06-02		25		1.7			83					11								490		
	2009-12-03		23		1.7			85					< 5.6								480		
	2010-05-05		25		1.8			84					6.2 J								490		
	2010-05-06		25		1.8			84					6.2								490		
	2010-11-15		25		1.8			83					< 4.5								510		
	2011-04-28		23		1.7			83					< 4.5								590		
	2011-11-17		26		1.8			85					< 4.5								520		
	2012-05-01		26		1.8			86					50								490		
	2012-11-01		26		1.7			85					5.3								480		
	2013-08-01		25		1.7			84					< 5.6								500		
	2014-02-12		26		1.6			82					< 7.3								490		
	2015-09-08		27		1.6			82					< 10								460		
	2015-09-18		27		1.6			82					ND								460		
	2016-03-15		29		1.8			87					< 10								480		
	2016-09-12		29		1.7			86					50								530		
	2017-05-23		29		1.7			82					25								470		
	2017-12-06		29		1.7			86					< 10	766	21.7	2.06			7.99	64.2	480		207

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW8	1992-12-16		39		1.6	7.1		70	280	340		330		780			ND		7.5		460	1.0	
	1993-06-24		35		1.4	6.2		78	280	340		320		760			ND		7.5		480	ND	
	1993-10-19		35		1.9	6.3		76	330	330	400	350		740			ND		7.0		490		
	1993-12-06		30		1.4	6.2		69	290	290	350	330		760			ND		7.4		440	ND	
	1994-03-14		36		1.4	6.2		71											6.9		490		
	1994-06-06		37		1.3	5.9		75											6.8		480		
	1994-09-07		34					77											7.3		470		
	1994-12-06		35		1.4	6.0		76											6.7		480		
	1995-03-15		34		1.3	5.9		76											6.9		500		
	1995-06-13		32		1.2	5.2		73											7.3		500		
	1995-10-05		32		0.80	3.5		76											7.1		490		
	1995-12-19		31					78											7.2		450		
	1996-03-19		28		6.1			75											7.1		510		
	1996-06-11		32		6.1			82											7.1		490		
	1996-09-18		36		0.77	3.4		80											7.5		490		
	1996-12-19		34		1.9	8.3		67											7.0		460		
	1997-03-25		40		1.4	6.2		84											7.0		460		
	1997-05-14		32		0.90	4.0		75											7.1		400		
	1997-09-12		34		1.6	7.1		74											7.2		490		
	1997-12-17		30		1.2	5.5		87											7.7		460		
	1998-03-03		40		1.3	5.9		87											7.4		490		
	1998-06-01		33		1.2	5.4		84											8.3		510		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW8	1998-09-15		35		5.7			87											7.2		470		
	1998-12-17		32		4.7			73											7.4		480		
	1999-03-09		33		4.9			76											7.2		490		
	1999-05-11		36		5.8			84											7.3		490		
	1999-09-24		36		5.6			83											7.3		510		
	1999-11-29		34		5.6			84											7.4		540		
	2000-03-21		36		5.8			90											7.3		490		
	2000-05-09		35		5.5			87											7.4		530		
	2000-07-25		26		7.0			90											7.3		500		
	2000-12-12		34		5.2			85											7.3		460		
	2001-01-31		35		5.2			86											6.9		470		
	2001-05-09		34		5.0			87											7.2		490		
	2001-08-14		30		5.0			81											7.4		490		
	2001-12-12		36		5.2			91											7.2		480		
	2002-03-25		33		4.9			86											7.3		480		
	2002-06-12		32		4.4			81											7.3		510		
	2002-09-26		30		4.0			79											7.3		500		
	2002-12-03		32		4.9			82											7.3		500		
	2003-02-24		33		5.8			88											7.5		500		
	2003-04-24		34		5.7			89											6.9		540		
	2003-10-20		32		2.7			87											6.8		510		
	2004-02-25		33		4.9			90											6.9		490		
	2004-08-05		28		1.2			89											7.1		480		
	2005-05-11		26		1.5			81													480		
	2005-12-06		28		1.4			91													520		
	2006-03-31		27		0.62			88													460		
	2006-09-21		28		1.2			90													540		
	2007-02-27		28		1.2			87													520		
	2007-12-04		13		0.61			41					6.0								470		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW8	2008-06-16		25		1.8			81					6.0 J								490		
	2008-10-27		27		1.3			99					< 5.0								520		
	2009-06-02		27		1.1			90					13								520		
	2009-12-03		25		1.2			98					< 5.6								530		
	2010-05-05		27		1.1			97					< 4.5								510		
	2010-11-15		27		1.0			99					< 4.5								540		
	2011-04-28		23		0.99			94					< 4.5								610		
	2011-11-17		28		0.92			100					6.8								510		
	2012-05-01		27		1.1			100					< 4.5								530		
	2012-11-01		28		0.78			100					5.3								520		
	2013-08-01		27		0.65			100					< 5.6								530		
	2014-02-12		26		0.79			100					9.1								520		
	2014-09-08		25		0.74			83					< 10								520		
	2015-02-23		22		1.0			100					12 J								510		
	2015-09-08		25		0.68			99					< 10								500		
	2015-09-18		25		0.68			99					ND								500		
	2016-03-15		26		0.68			110					< 10								490		
	2016-09-12		26		0.45			110					< 10								510		
	2017-05-23		27		0.26 J			100					< 10								450		
	2017-12-05		27		0.11 J			110					< 10	706	23.9	2.13			8.18	69.7	460		151
	2018-04-23		30		0.45			100					< 20	691	84.7	6.94			7.90	78.0	470		5.10
	2018-12-04		29		< 0.10			100					< 20	664	31.4	2.83			6.75	68.8	470		2.2
	2019-05-14		24		0.50			100					< 20	726	24.1	2.04			6.83	72.7	480		6.80
	2019-11-04		26		0.43			87					10 J	745		2.2		48.7	7.32		470 A07		5.0
	2020-04-15		27		0.83			97					12 J	758		2.05		46.8	7.34		500 A07		8.00
	2020-10-27		25		1.6			56					5.8 J	753		2.16		58.2	7.33		440 A07		7.00
	2021-04-27		31		0.74			70					< 4.3	769		2.08		57.9	7.31		440 A07		4.00
	2021-11-09		24		0.75			110					61	816		3.29		48.2	7.16		530 A10		5.0
	2022-05-10		25		1.2			87					60	762		2.52		36.2	7.42		420 A10		43

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW10	1996-04-03		180		57			52											7.1		680		
	1997-04-11		78		6.1	27		46											7.2		490		
	1998-03-09		27		7.2	32		59											6.6		320		
	1998-06-01		35		8.8	39		25											7.2		320		
	1998-09-14		39		48			25											6.9		400		
	2000-03-20		30		38			18											6.5		290		
	2000-05-08		31		40			19											6.9		410		
	2001-03-21		20		31			13											6.6		240		
	2001-05-18		32		37			19											6.6		300		
	2001-08-14		33		42			20											6.7		310		
	2005-05-12		27		8.0			19													280		
	2008-03-27		36		9.5			22					7.0 J								220		
	2008-06-17		32		9.0			17					28								240		
	2010-02-18		24		8.5			13					< 4.5								380		
	2011-03-10		32		7.7			20					9.1								260		
	2011-04-28		29		8.9			16					< 4.5								340		
	2011-07-18		29		8.5			17					< 4.5								280		

TABLE 2
FIELD PARAMETERS AND MISCELLANEOUS ANALYTES IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Chloride	Fluoride	Nitrate (as N)	Nitrate	Perchlorate	Sulfate	Alkalinity, Total	Bicarbonate (as CaCO3)	Bicarbonate ion as HCO3	Calcium Hardness as CaCO3	Chemical Oxygen Demand	Conductivity	Dissolved Oxygen (percent)	Dissolved Oxygen	Methylene Blue Activated Substances (MBAS)	Oxidation Reduction Potential	pH	Temperature	Total Dissolved Solids	Total Organic Carbon	Turbidity
		Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg O2/l	µS/cm	%	mg/l	mg/l	mV	pH units	°F	mg/l	mg/l	NTU
		CA Primary MCL		2.0	10		0.0060																
		CA Secondary MCL	500					500						1,600							1,000		
		DLR		0.10	0.40		0.0040																
MW11	2010-11-10						0.0047																
	2011-03-10		310		4.0			68					14								1,100		
	2011-07-18		290		3.6			62					< 4.5								1,000		
	2012-01-31		310		4.7			64					12								1,200		
	2012-08-13		310 A01		3.8			67					15								1,000		
	2012-11-01		300 A01		3.9 A01			63 A01					17								1,000		
	2013-08-01		280 A01		3.5 A01			56 A01					18								1,000		
	2014-02-12		260 A01		3.7 A01			56 A01					16								950		
	2014-09-08		250		0.49			60					20 J								1,200		
	2015-02-23		240		1.7			23					76								980		
	2015-09-08		260		3.2			66					< 10								1,000		
	2016-03-15		280		3.5			66					18 J								1,000		
	2016-09-12		290		1.1			67					< 10								1,100		
	2017-05-23		300		2.0			62					< 10								1,000		
	2017-12-05		320		3.7			64					62	1,640	30.9	2.65			7.80	72.9	940		2,000 >
LY1	2000-03-21		21		110			61											5.6		340		

Notes:

	Blank cells represent samples were not collected or data unavailable.
<	Not detected above the laboratory detection limit.
<0.020	Bolded result indicates the laboratory detection limit exceeds the listed DLR.
	Shading indicates detected result exceeds the listed MCL.
DLR	Detection limit for purposes of reporting.
J	Indicates the result is estimated.
mg/l	Milligram per liter.
MCL	Maximum contaminant level.
µg/l	Microgram per liter.
µS/cm	Microsiemen per centimeter.
NTU	Nephelometric Turbidity Units.
°F	Degrees Fahrenheit.
mg O2/l	Milligrams of oxygen per liter.
A01	Detection and quantitation limits are raised due to sample dilution.
A07, A10	Detection and quantitation limits are raised due to sample dilution and/or matrix interference

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW3	1988-11-18			ND	ND	110	ND	ND	55		60	ND	ND
	1989-03-29			ND	ND	80	ND	ND	45		ND	ND	ND
	1989-06-14			ND	ND	80	ND	ND	54		ND	ND	ND
	1989-10-04			ND	ND	80	ND	ND	50		ND	ND	ND
	1989-12-13			ND	ND	90	ND	ND	51		ND	ND	ND
	1990-03-28		ND	ND	0.012	80	ND	ND	49		60	ND	ND
	1990-06-01		1.2	ND	ND	110	ND	ND	49		ND	ND	ND
	1990-09-27		ND	ND	ND	90	ND	2.0	48		ND	ND	ND
	1990-12-20		ND	ND	ND	80	ND	ND	61		ND	ND	ND
	1991-05-01		ND	ND	ND	ND	ND	ND	51		ND	ND	ND
	1991-07-03		ND	ND	ND	ND	ND	ND	52		ND	ND	ND
	1991-09-18		ND	ND	ND	ND	ND	ND	54		ND	ND	ND
	1991-12-17		ND	ND	ND	ND	ND	ND	54		ND	ND	ND
	1992-03-18		ND	ND	ND	100	ND	ND	60		ND	ND	ND
	1992-06-12		ND	ND	ND	ND	ND	ND	49		ND	ND	ND
	1992-10-20		ND	ND	ND	87	ND	ND	53		ND	ND	ND
	1992-12-16		ND	14	ND	ND	ND	ND	49		ND	ND	ND
	1993-06-25		ND	ND	ND	80	ND	ND	48		ND	ND	ND
	1993-10-20		ND	ND	ND	87	ND	ND	53		ND	ND	ND
	1993-12-07		ND	ND	ND	81	ND	ND	49		ND	ND	ND
	1994-03-15					83							
	1994-06-07					82							
	1994-09-07					78							
	1994-12-06					82							
	1995-03-15					79							
	1995-06-13					81							
	1995-10-05					82							
	1995-12-19					78							
	1996-03-19					90							

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW3	1988-11-18		320	70	33	140	ND	ND	ND	5.0	ND	ND	42	ND	40	ND
	1989-03-29		ND	ND	26	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND
	1989-06-14		ND	ND	31	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND
	1989-10-04		ND	ND	29	ND	ND	ND	ND	ND	ND	ND	42	ND	40	ND
	1989-12-13		ND	ND	58	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND
	1990-03-28		ND	ND	29	ND	ND	ND	ND	ND	ND	ND	41	ND	20	ND
	1990-06-01		ND	ND	28	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	50
	1990-09-27		ND	ND	25	30	ND	ND	ND	ND	ND	ND	39	ND	30	ND
	1990-12-20		ND	ND	28	6.0	ND	ND	ND	1.8	ND	ND	37	ND	ND	ND
	1991-05-01		80	ND	30	ND	ND	ND	ND	2.0	ND	ND	40	ND	ND	ND
	1991-07-03		ND	ND	29	60	ND	ND	ND	1.8	10	ND	37	ND	ND	ND
	1991-09-18		70	ND	31	ND	ND	ND	ND	1.8	ND	ND	39	ND	100	ND
	1991-12-17		3,700	9.0	30	ND	ND	ND	ND	1.8	ND	ND	37	ND	ND	130
	1992-03-18		140	ND	28	ND	ND	ND	ND	2.4	ND	ND	29	ND	50	260
	1992-06-12		110	ND	28	ND	ND	ND	ND	2.0	ND	ND	46	ND	200	12
	1992-10-20		ND	ND	34	ND	ND	ND	ND	2.0	ND	ND	43	ND	22	ND
	1992-12-16		ND	ND	31	ND	ND	0.20	ND	1.9	ND	ND	40	ND	400	20
	1993-06-25		300	ND	29	ND	ND	ND	ND	1.7	ND	ND	38	ND	ND	ND
	1993-10-20		30	ND	33	ND	ND	ND	ND	2.0	ND	ND	42	ND	ND	ND
	1993-12-07		30	ND	32	ND	ND	ND	ND	1.0	ND	ND	40	ND	ND	ND
	1994-03-15												42			
	1994-06-07												38			
	1994-09-07												40			
	1994-12-06												39			
	1995-03-15												39			
	1995-06-13												39			
	1995-10-05												41			
	1995-12-19												42			
	1996-03-19												42			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW3	1996-06-11					80							
	1996-09-19					91							
	1996-12-19					92							
	1997-03-25					91							
	1997-05-14					84							
	1997-09-12					89							
	1997-12-18					70							
	1998-03-03					96							
	1998-06-02					91							
	1998-09-15					86							
	1998-12-17					73							
	1999-03-09					81							
	1999-05-11					78							
	1999-09-24					76							
	1999-11-30					86							
	2000-03-21					80							
	2000-05-09					78							
	2000-07-25					83							
	2000-12-13					77							
	2001-01-31					78							
	2001-05-09					82							
	2001-08-14					78							
	2001-12-18					77							
	2002-03-26					78							
	2002-06-13					79							
	2002-12-04					87							
	2003-02-25					90							
	2003-04-24					100							
	2003-09-24					79							
	2004-02-25					84							
	2004-08-05					86							
	2005-05-10					88							
	2005-12-06					82							

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW3	1996-06-11												41			
	1996-09-19												41			
	1996-12-19												41			
	1997-03-25												41			
	1997-05-14												51			
	1997-09-12												42			
	1997-12-18												37			
	1998-03-03												40			
	1998-06-02												41			
	1998-09-15												37			
	1998-12-17												34			
	1999-03-09												36			
	1999-05-11												36			
	1999-09-24												31			
	1999-11-30												40			
	2000-03-21												36			
	2000-05-09												37			
	2000-07-25												36			
	2000-12-13												36			
	2001-01-31												43			
	2001-05-09												40			
	2001-08-14												38			
	2001-12-18												39			
	2002-03-26												38			
	2002-06-13												36			
	2002-12-04												38			
	2003-02-25												38			
	2003-04-24												39			
	2003-09-24												36			
	2004-02-25												39			
	2004-08-05												43			
	2005-05-10												40			
	2005-12-06												41			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW3	2006-03-31					80							
	2006-09-21					70							
	2007-02-27			< 3.0	< 0.0020	81	< 0.50	2.0			19	< 1.0	< 5.0
	2007-12-04					72							
	2008-06-16					89							
	2008-10-27					100							
	2009-06-02					85							
	2009-12-03					89							
	2010-05-05					91							
	2010-11-15					81							
	2011-04-28					80							
	2011-11-17					84							
	2012-05-01					89							
	2012-11-01					87							
	2013-01-30			< 0.58	< 0.0017	83	< 0.24	< 0.20		3.2 A26,S05	7.5	< 0.20	1.1
	2013-08-01					92							
	2014-02-12					97							
	2014-09-08					80							
	2015-02-23					91							
	2015-09-08					89							
	2016-03-15					83							
	2016-09-12					87							
	2017-05-23					94 B							
	2017-12-05					260							
	2018-04-23					580 B							
	2018-12-04			< 1.0	0.0036	81	< 0.50	< 0.50			41	< 0.50	< 1.0
	2019-05-14					220 B							
	2019-11-04					80							
	2019-11-04					82							
	2020-04-15					76							
	2020-10-27					88							
	2021-04-27					67							
	2021-11-09					86							
	2022-05-10					110							
	2022-11-08					84							
	2023-05-09					75							
	2023-11-07			< 1.0	0.0039	89 B	< 0.50	< 0.50			4.5	< 0.50	< 1.0

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW3	2006-03-31												33			
	2006-09-21												35			
	2007-02-27			< 2.0			< 1.0	0.023	31		16	< 8.0	38	**< 4.0**	17	110
	2007-12-04												34			
	2008-06-16												44			
	2008-10-27												41			
	2009-06-02												43			
	2009-12-03												44			
	2010-05-05												46			
	2010-11-15												40			
	2011-04-28												36			
	2011-11-17												41			
	2012-05-01												40			
	2012-11-01												40			
	2013-01-30			< 0.20			< 0.024	0.020	1.4		0.62	< 0.23		< 0.20	12	< 4.4
	2013-08-01												40			
	2014-02-12												43			
	2014-09-08												43			
	2015-02-23															
	2015-09-08															
	2016-03-15															
	2016-09-12												41			
	2017-05-23												37			
	2017-12-05												42			
	2018-04-23												42 B			
	2018-12-04			< 0.50	30		< 0.10		< 1.0		4.0	< 0.50	39 B	< 0.50	23	< 2.5
	2019-05-14												37			
	2019-11-04												43			
	2019-11-04												43			
	2020-04-15												39			
	2020-10-27												37			
	2021-04-27												37			
	2021-11-09												42			
	2022-05-10												38			
	2022-11-08												40			
	2023-05-09												31			
	2023-11-07			< 0.50	35		< 0.10		< 1.0		1.6	< 0.50	40	< 0.50	16	< 2.5

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ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW4	1989-10-04			ND	ND	60	ND	ND	49		ND	ND	ND
	1989-12-20			ND	ND	60	ND	50	55		ND	ND	ND
	1990-04-17		0.10	ND	ND	40	ND	ND	56		ND	ND	ND
	1990-06-01		1.8	ND	ND	70	ND	ND	58		ND	ND	ND
	1990-09-28		0.10	ND	0.0060	50	ND	ND	52		ND	ND	ND
	1990-12-20		0.10	ND	ND	40	ND	ND	68		ND	ND	1.0
	1991-05-02		0.10	ND	ND	ND	ND	ND	70		ND	ND	ND
	1991-07-03		0.10	ND	ND	ND	ND	1.0	63		ND	ND	ND
	1991-09-18		0.10	ND	ND	ND	10	ND	62		ND	ND	ND
	1991-12-17		0.10	ND	ND	ND	ND	ND	63		ND	ND	ND
	1992-03-18		0.10	ND	ND	ND	ND		83		ND	ND	ND
	1992-06-12		0.10	10	0.0080	ND	ND	2.0	74		ND	ND	ND
	1992-10-20		0.10	ND	ND	48	ND	ND	68		ND	ND	ND
	1992-12-16		0.10	14	ND	ND	ND	ND	67		ND	ND	ND
	1993-06-25		0.10	ND	ND	50	ND	ND	74		ND	ND	ND
	1993-10-20		0.050	ND	ND	49	ND	ND	70		ND	ND	ND
	1993-12-07		0.050	ND	ND	47	ND	ND	67		ND	ND	ND
	1995-10-05					51							
	1995-12-19					43							
	1996-03-19					50							
	1996-06-11					50							
	1996-09-19					53							
	1996-12-19					88							
	1997-03-25					54							

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ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW4	1989-10-04		ND	ND	40	50	ND	ND	ND	7.0	8.0	ND	66	ND	20	ND
	1989-12-20		60	ND	48	90	ND	ND	ND	5.0	ND	ND	47	50	30	50
	1990-04-17		ND	ND	43	30	ND	ND	ND	3.0	ND	ND	34	ND	ND	ND
	1990-06-01		200	ND	47	50	ND	ND	ND	1.5	ND	ND	42	ND	ND	ND
	1990-09-28		ND	ND	39	280	ND	ND	ND	1.5	11	ND	42	ND	ND	ND
	1990-12-20		940	ND	44	28	0.40	ND	ND	3.1	ND	ND	32	ND	ND	22
	1991-05-02		ND	ND	52	ND	ND	ND	ND	3.4	ND	ND	36	ND	ND	160
	1991-07-03		ND	ND	51	ND	ND	ND	ND	3.5	12	ND	40	ND	60	70
	1991-09-18		80	ND	49	ND	ND	ND	ND	3.1	8.0	ND	34	ND	ND	50
	1991-12-17		ND	ND	48	ND	ND	ND	ND	2.8	6.0	ND	33	ND	ND	150
	1992-03-18		90	ND	53	ND	ND	ND	ND	3.9	5.0	ND	22	ND	ND	50
	1992-06-12		110	18	50	15	ND	ND	ND	3.4	8.0	ND	41	ND	230	21
	1992-10-20		20	ND	56	ND	ND	ND	ND	3.0	9.0	5.0	37	ND	27	30
	1992-12-16		ND	ND	51	ND	ND	0.10	20	2.9	ND	ND	33	ND	600	20
	1993-06-25		300	ND	47	ND	ND	ND	ND	2.7	7.0	ND	30	ND	ND	ND
	1993-10-20		ND	ND	55	ND	ND	ND	ND	3.0	6.0	ND	36	ND	ND	30
	1993-12-07		ND	ND	53	ND	ND	ND	ND	2.0	ND	ND	35	ND	ND	30
	1995-10-05												35			
	1995-12-19												35			
	1996-03-19												34			
	1996-06-11												37			
	1996-09-19												39			
	1996-12-19												38			
	1997-03-25												36			

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ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW4	1997-05-15					58							
	1997-09-12					54							
	1998-03-10					50							
	1998-06-02					46							
	1998-09-15					47							
	1998-12-17					41							
	1999-03-09					47							
	1999-05-11					42							
	1999-09-24					39							
	1999-11-30					46							
	2000-03-21					43							
	2000-05-09					40							
	2000-07-25					43							
	2000-12-13					41							
	2001-01-31					41							
	2001-05-18					44							
	2001-08-14					41							
	2001-12-08					39							
	2002-03-26					42							
	2002-06-13					44							
	2002-09-26					50							
	2002-12-04					44							
	2003-02-25					47							
	2003-04-24					42							
	2003-09-24					41							
	2004-02-25					46							
	2004-08-05					47							
	2005-05-10					47							
	2005-12-06					44							
	2006-03-31					42							
	2006-09-21					40							
	2007-02-26			< 3.0	< 0.0020	41	< 0.50	< 0.50			< 5.0	< 1.0	< 5.0
	2007-02-27			ND	ND	41	ND	ND			ND	ND	ND

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW4	1997-05-15												47			
	1997-09-12												36			
	1998-03-10												35			
	1998-06-02												36			
	1998-09-15												32			
	1998-12-17												28			
	1999-03-09												30			
	1999-05-11												31			
	1999-09-24												27			
	1999-11-30												34			
	2000-03-21												31			
	2000-05-09												30			
	2000-07-25												31			
	2000-12-13												30			
	2001-01-31												32			
	2001-05-18												33			
	2001-08-14												33			
	2001-12-08												33			
	2002-03-26												32			
	2002-06-13												30			
	2002-09-26												33			
	2002-12-04												30			
	2003-02-25												31			
	2003-04-24												33			
	2003-09-24												33			
	2004-02-25												33			
	2004-08-05												39			
	2005-05-10												34			
	2005-12-06												34			
	2006-03-31												27			
	2006-09-21												30			
	2007-02-26			< 2.0			< 1.0	0.031	< 1.0		15	< 8.0	31	**< 4.0**	15	< 1.0
	2007-02-27			ND			ND	0.031	ND		15	ND	31	ND	15	ND

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ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW4	2007-12-04					36							
	2008-06-16					110							
	2008-10-27					51							
	2009-06-02					46							
	2009-12-03					47							
	2010-05-05					48							
	2010-05-06					48							
	2010-11-15					45							
	2011-04-28					44							
	2011-11-17					46							
	2012-05-01					47							
	2012-11-01					47							
	2013-01-30			< 0.58	< 0.0017	45	< 0.24	< 0.20		2.6 A26,S05	7.3	0.32	0.63
	2013-08-01					50							
	2014-02-12					53							
	2015-09-08					49							
	2015-09-18					49							
	2016-03-15					48							
	2016-09-12					110							
	2017-05-23					55 B							
	2017-12-06					206							

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW4	2007-12-04												27			
	2008-06-16												51			
	2008-10-27												33			
	2009-06-02												36			
	2009-12-03												36			
	2010-05-05												37			
	2010-05-06												37			
	2010-11-15												34			
	2011-04-28												30			
	2011-11-17												34			
	2012-05-01												33			
	2012-11-01												34			
	2013-01-30			< 0.20			< 0.024	0.033	1.7		6.8	< 0.23		< 0.20	14	< 4.4
	2013-08-01												34			
	2014-02-12												35			
	2015-09-08															
	2015-09-18															
	2016-03-15															
	2016-09-12												36			
	2017-05-23												33			
	2017-12-06												38			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW8	1992-12-16		ND	ND	ND	ND	ND	ND	72		ND	ND	ND
	1993-06-24		ND	ND	ND	90	ND	ND	70		ND	ND	ND
	1993-10-19		ND	ND	ND	100	ND	ND	72		ND	ND	ND
	1993-12-06		ND	ND	ND	97	ND	ND	67		ND	ND	ND
	1994-03-14												
	1994-06-06												
	1994-09-07												
	1994-12-06												
	1995-03-15												
	1995-06-13												
	1995-10-05					100							
	1995-12-19					93							
	1996-03-19					100							
	1996-06-11					100							
	1996-09-18					110							
	1996-12-19					120							
	1997-03-25					130							
	1997-05-14					110							
	1997-09-12					110							
	1997-12-17					100							
	1998-03-03					120							
	1998-06-01					110							
	1998-09-15					96							
	1998-12-17					87							
	1999-03-09					48							
	1999-05-11					95							
	1999-09-24					93							
	1999-11-29					110							

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ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW8	1992-12-16		ND	ND	40	ND	ND	0.10	20	1.8	ND	ND	40	ND	ND	50
	1993-06-24		450	ND	37	ND	ND	ND	ND	1.6	14	ND	40	ND	ND	ND
	1993-10-19		ND	ND	41	ND	ND	ND	ND	2.0	ND	ND	41	ND	ND	ND
	1993-12-06		ND	ND	39	ND	ND	ND	ND	2.0	11	ND	39	ND	ND	ND
	1994-03-14												40			
	1994-06-06												38			
	1994-09-07												39			
	1994-12-06												38			
	1995-03-15												38			
	1995-06-13												38			
	1995-10-05												40			
	1995-12-19												40			
	1996-03-19												38			
	1996-06-11												42			
	1996-09-18												42			
	1996-12-19												41			
	1997-03-25												40			
	1997-05-14												49			
	1997-09-12												41			
	1997-12-17												35			
	1998-03-03												40			
	1998-06-01												40			
	1998-09-15												34			
	1998-12-17												31			
	1999-03-09												17			
	1999-05-11												34			
	1999-09-24												32			
	1999-11-29												39			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW8	2000-03-21					100							
	2000-05-09					89							
	2000-07-25					100							
	2000-12-12					97							
	2001-01-31					100							
	2001-05-09					110							
	2001-08-14					94							
	2001-12-12					130							
	2002-03-25					110							
	2002-06-12					100							
	2002-09-26					110							
	2002-12-03					110							
	2003-02-24					110							
	2003-04-24					100							
	2003-10-20					100							
	2004-02-25					110							
	2004-08-05					95							
	2005-05-11					100							
	2005-12-06					90							
	2006-03-31					73							
	2006-09-21					80							
	2007-02-27			< 3.0	< 0.0020	89	< 0.50	< 0.50			< 5.0	< 1.0	< 5.0
	2007-12-04					84							
	2008-06-16					50							
	2008-10-27					110							
	2009-06-02					96							
	2009-12-03					100							

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW8	2000-03-21												37			
	2000-05-09												32			
	2000-07-25												35			
	2000-12-12												34			
	2001-01-31												37			
	2001-05-09												39			
	2001-08-14												40			
	2001-12-12												38			
	2002-03-25												39			
	2002-06-12												35			
	2002-09-26												36			
	2002-12-03												38			
	2003-02-24												38			
	2003-04-24												37			
	2003-10-20												41			
	2004-02-25												40			
	2004-08-05												47			
	2005-05-11												43			
	2005-12-06												44			
	2006-03-31												29			
	2006-09-21												37			
	2007-02-27			< 2.0			< 1.0	0.030	3.0		31	< 8.0	40	**< 4.0**	8.0	< 1.0
	2007-12-04												37			
	2008-06-16												39			
	2008-10-27												44			
	2009-06-02												46			
	2009-12-03												45			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW8	2010-05-05					100							
	2010-11-15					93							
	2011-04-28					93							
	2011-11-17					99							
	2012-05-01					100							
	2012-11-01					98							
	2013-01-30			< 0.58	< 0.0017	92	< 0.24	< 0.20		< 0.70 A26,S05	4.5	0.30	0.85
	2013-08-01					110							
	2014-02-12					110							
	2014-09-08					96							
	2015-02-23					100							
	2015-09-08					110							
	2015-09-18					110							
	2016-03-15					96							
	2016-09-12					92							
	2017-05-23					100 B							
	2017-12-05					249							
	2018-04-23					550 B							
	2018-12-04			< 1.0	0.0047	82	< 0.50	< 0.50			35	< 0.50	< 1.0
	2019-05-14					220 B							
	2019-11-04					84							
	2020-04-15					81							
	2020-10-27					96							
	2021-04-27					89							
	2021-11-09					94							
	2022-05-10					85							
MW10	1996-04-03					80							
	1997-04-11					59							
	1998-03-09					10							
	1998-06-01					7.0							
	1998-09-14					49							
	2000-03-20					14							
	2000-05-08					69							
	2001-03-21					5.2							
	2001-05-18					9.5							
	2001-08-14					40							
	2005-05-12					15							
	2008-03-27					22							
	2008-06-17					67							
	2010-02-18					9.4							
	2011-03-10					24							
	2011-04-28					5.5							
	2011-07-18					53							

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW8	2010-05-05												48			
	2010-11-15												43			
	2011-04-28												39			
	2011-11-17												44			
	2012-05-01												44			
	2012-11-01												42			
	2013-01-30			< 0.20			< 0.024	0.029	4.9		24	< 0.23		< 0.20	8.2	< 4.4
	2013-08-01												43			
	2014-02-12												47			
	2014-09-08												46			
	2015-02-23															
	2015-09-08															
	2015-09-18															
	2016-03-15															
	2016-09-12												41			
	2017-05-23												39			
	2017-12-05												44			
	2018-04-23												42 B			
	2018-12-04			< 0.50	38		< 0.10		2.6		5.7	< 0.50	39 B	< 0.50	21	< 2.5
	2019-05-14												38			
	2019-11-04												42			
	2020-04-15												42			
	2020-10-27												39			
	2021-04-27												39			
	2021-11-09												36			
	2022-05-10												38			
MW10	1996-04-03												ND			
	1997-04-11												89			
	1998-03-09												45			
	1998-06-01												41			
	1998-09-14												40			
	2000-03-20												30			
	2000-05-08												34			
	2001-03-21												26			
	2001-05-18												33			
	2001-08-14												35			
	2005-05-12												34			
	2008-03-27												35			
	2008-06-17												38			
	2010-02-18												32			
	2011-03-10												32			
	2011-04-28												30			
	2011-07-18												35			

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium, Hexavalent	Chromium	Cobalt	Copper
		Units	mg/l	µg/l	mg/l	µg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	1	6.0	0.010	1,000	4.0	5.0		50	50		1,300
		CA Secondary MCL	0.2										1,000
		DLR	0.050	6.0	0.0020	100	1.0	1.0			10		50
MW11	2010-11-10			1.2	0.0024	170	0.38	1.9		1.9	28	3.9	12
	2011-03-10					130							
	2011-07-18					140							
	2012-01-31					140							
	2012-08-13					120							
	2012-11-01					130							
	2013-01-30			0.58	< 0.0017	130	< 0.24	< 0.20		1.7 A26,S05	5.1	0.44	1.1
	2013-08-01					150							
	2014-02-12					150							
	2014-09-08					120							
	2015-02-23					130							
	2015-09-08					140							
	2016-03-15					120							
	2016-09-12					130							
	2017-05-23					140 B							
	2017-12-05					475							
LY1	1997-01-09			ND	ND	38	ND	ND			ND	ND	ND

TABLE 3
ANALYTICAL RESULTS FOR METALS IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Analyte	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
		Units	µg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	mg/l	µg/l	µg/l	mg/l	µg/l	µg/l	µg/l
		CA Primary MCL		15			2.0		100		50			2.0		
		CA Secondary MCL	300			50						100				5,000
		DLR		5.0			1.0		10		5.0			1.0		
MW11	2010-11-10			2.7			0.032	0.034	26		15	< 0.20		0.40	38	37
	2011-03-10												160			
	2011-07-18												160			
	2012-01-31												160			
	2012-08-13												160			
	2012-11-01												160			
	2013-01-30			< 0.20			< 0.024	0.044	3.1		19	< 0.23		< 0.20	14	< 4.4
	2013-08-01												160			
	2014-02-12												170			
	2014-09-08												160			
	2015-02-23															
	2015-09-08															
	2016-03-15															
	2016-09-12												160			
	2017-05-23												160			
	2017-12-05												150			
LY1	1997-01-09			ND			ND	ND	70		ND	ND		ND	ND	20

Notes:

	Blank cells represent samples were not collected or data unavailable.
<	Not detected above the laboratory detection limit.
<0.020	Bolded result indicates the laboratory detection limit exceeds the listed DLR.
	Shading indicates detected result exceeds the listed MCL.
DLR	Detection limit for purposes of reporting.
J	Indicates the result is estimated.
mg/l	Milligram per liter.
MCL	Maximum contaminant level.
µg/l	Microgram per liter.
A26	Sample received past holding time.
S05	The sample holding time was exceeded.

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
		DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW3	1989-06-14			1.0	7.0	4.0													
	1989-10-04																		
	1992-10-20																		
	1992-12-16									0.60									
	1995-12-19																		
	1996-06-11																		
	1996-09-19																		
	1996-12-19																		
	1997-03-25																		
	1997-05-14																		
	1997-09-12																		
	1997-12-18																		
	1998-03-03								77										
	1998-06-02																		
	1999-09-24														45				5.1
	2004-08-05																		
	2005-05-10						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2005-12-06						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-03-31						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-09-21						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-27			< 1.1	< 1.7	< 1.8	< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-27							**< 1.4**											

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
		DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW3	1989-06-14																		
	1989-10-04															1.0			
	1992-10-20														0.20				
	1992-12-16																		
	1995-12-19														0.55				
	1996-06-11														1.0				
	1996-09-19								11			0.60			0.60			20	
	1996-12-19														0.70				
	1997-03-25														1.0				
	1997-05-14														1.2				
	1997-09-12														0.62			46	
	1997-12-18																	5.9	
	1998-03-03																	7.6	
	1998-06-02								5.8									28	
	1999-09-24																		
	2004-08-05														0.62 J				
	2005-05-10			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2005-12-06			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	0.90	< 0.28	< 0.12		< 0.33
	2006-03-31			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2006-09-21			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-27			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-27																		

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
Well ID	Sampled	DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW3	2007-12-04						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2008-06-16																		
	2008-10-27						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-06-02						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-12-03						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-05-05						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-11-15						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-04-28						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-11-17						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-05-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-11-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30		< 3.0	< 0.39	< 0.33	< 0.46	< 0.13	< 0.31	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30							< 0.062											
	2013-08-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-02-12						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-02-23						< 0.25	< 0.25	3.5 J	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-03-15						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-09-12						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-05-23						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-12-05						< 0.25 J	< 0.25 J	4.4 J	< 0.25	< 0.50 J	< 0.25 J	< 0.25 J	< 0.25 J					
	2018-04-23						< 0.25	< 0.25	10	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2018-12-04		< 2.6	< 1.1	< 1.1	< 1.1	< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2018-12-04							**< 3.2**											
	2019-05-14						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2019-11-04						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2019-11-04						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2020-04-15						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2020-10-27						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2021-04-27						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2021-11-09						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2022-05-10						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2022-11-08						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2023-05-09						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2023-11-07		< 2.3	< 0.56	< 0.43	< 0.41	< 0.25	**< 0.55**	< 10	< 0.25	< 0.70	< 0.25	< 0.25	< 0.25					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
Well ID	Sampled	DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW3	2007-12-04			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	0.65	< 0.28	< 0.12		< 0.33
	2008-06-16														0.62 J				
	2008-10-27			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	0.64	< 0.28	< 0.12		< 0.33
	2009-06-02			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2009-12-03			< 0.12		< 0.11		< 0.18		< 0.20	< 0.28	< 0.072		< 9.4	0.44	< 0.093	< 0.13		< 0.14
	2010-05-05			< 0.12		< 0.11		< 0.18		< 0.20	< 0.50	< 0.072		< 9.4	0.39	< 0.093	< 0.13		< 0.14
	2010-11-15			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	0.39	< 0.093	< 0.085		< 0.12
	2011-04-28			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	0.27	< 0.093	< 0.085		< 0.12
	2011-11-17			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-05-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-11-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30																		
	2013-08-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-02-12			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	0.28 J	< 0.25	< 0.25		< 0.25
	2015-02-23			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-03-15			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-09-12			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-05-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-12-05			< 0.25 J		< 0.26 J				< 0.25 J	< 0.35 J	< 0.25 J		< 2.5 J	< 0.25 J	< 0.25	< 0.25		< 0.25 J
	2018-04-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2018-12-04			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2018-12-04																		
	2019-05-14			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		2.9 J	< 0.25	< 0.25	< 0.25		< 0.25
	2019-11-04			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2019-11-04			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2020-04-15			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2020-10-27			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	0.16 J	< 0.093	< 0.085		< 0.12
	2021-04-27			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2021-11-09			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2022-05-10			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2022-11-08			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2023-05-09			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2023-11-07			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 6.5	< 0.25	< 0.25	< 0.25		< 0.25

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
Well ID	Sampled	DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW4	1989-10-04																		
	1989-12-20																		
	1990-04-17																		
	1992-12-16									0.60									
	1993-10-20																		
	1997-09-12																		
	1998-03-10																		
	1999-11-30														54				8.8
	2005-05-10						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2005-12-06						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-03-31						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-09-21						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-26			< 1.1	< 1.7	< 1.8	< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-26							**< 1.4**											
	2007-12-04						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2008-10-27						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-06-02						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-12-03						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-05-06						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-11-15						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-04-28						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-11-17						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-05-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
		DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW4	1989-10-04															3.0			
	1989-12-20															1.0			
	1990-04-17																		0.60
	1992-12-16																		
	1993-10-20															0.80			
	1997-09-12								6.5									64	
	1998-03-10																	6.2	
	1999-11-30																		
	2005-05-10			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2005-12-06			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2006-03-31			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2006-09-21			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-26			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-26																		
	2007-12-04			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2008-10-27			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2009-06-02			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2009-12-03			< 0.12		< 0.11		< 0.18		< 0.20	< 0.28	< 0.072		< 9.4	< 0.13	< 0.093	< 0.13		< 0.14
	2010-05-06			< 0.12		< 0.11		< 0.18		< 0.20	< 0.50	< 0.072		< 9.4	< 0.13	< 0.093	< 0.13		< 0.14
	2010-11-15			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2011-04-28			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2011-11-17			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-05-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
Well ID	Sampled	DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW4	2012-11-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30		< 3.0	< 0.39	1.3	< 0.46	< 0.13	< 0.31	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30							< 0.062											
	2013-08-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-02-12						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2015-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-09-18																		
	2016-03-15						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-09-12						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-05-23						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-12-06						< 0.25 J	< 0.25 J	3.1 J	< 0.25	< 0.50 J	< 0.25 J	< 0.25 J	< 0.25 J					
MW8	1992-12-16																		
	1996-09-18																		
	1996-12-19																		
	1997-09-12																		
	1997-12-17																		
	1998-03-03																		
	1998-06-01																		
	1999-05-11														35				19
	2005-05-11						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2005-12-06						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-03-31						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2006-09-21						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-27			< 1.1	< 1.7	< 1.8	< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2007-02-27							**< 1.4**											
	2007-12-04						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2008-10-27						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-06-02						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2009-12-03						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-05-05						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2010-11-15						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-04-28						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
Well ID	Sampled	DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW4	2012-11-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30																		
	2013-08-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-02-12			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2015-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-09-18													3.4 J					
	2016-03-15			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-09-12			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-05-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-12-06			< 0.25 J		< 0.26 J				< 0.25 J	< 0.35 J	< 0.25 J		< 2.5 J	< 0.25 J	< 0.25	< 0.25		< 0.25 J
MW8	1992-12-16				12														
	1996-09-18								16			1.4						37	
	1996-12-19																	5.0	
	1997-09-12																	11	
	1997-12-17																	10	
	1998-03-03																	7.4	
	1998-06-01								20									54	
	1999-05-11																		
	2005-05-11			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2005-12-06			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2006-03-31			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2006-09-21			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-27			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2007-02-27																		
	2007-12-04			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2008-10-27			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2009-06-02			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2009-12-03			< 0.12		< 0.11		< 0.18		< 0.20	< 0.28	< 0.072		< 9.4	< 0.13	< 0.093	< 0.13		< 0.14
	2010-05-05			< 0.12		< 0.11		< 0.18		< 0.20	< 0.50	< 0.072		< 9.4	< 0.13	< 0.093	< 0.13		< 0.14
	2010-11-15			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2011-04-28			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
		DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW8	2011-11-17						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-05-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-11-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30		7.9	< 0.39	0.46	< 0.46	< 0.13	< 0.31	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30							< 0.062											
	2013-08-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-02-12						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-02-23						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-03-15						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-09-12						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-05-23						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-12-05						< 0.25 J	< 0.25 J	3.4 J	< 0.25	< 0.50 J	< 0.25 J	< 0.25 J	< 0.25 J					
	2018-04-23						< 0.25	< 0.25	3.7 J	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2018-12-04		< 2.6	< 1.0	< 1.0	< 1.0	< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2018-12-04							**< 3.1**											
	2019-05-14						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2019-11-04						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2020-04-15						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2020-10-27						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2021-04-27						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2021-11-09						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2022-05-10						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
Well ID	Sampled	DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW8	2011-11-17			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-05-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-11-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30																		
	2013-08-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-02-12			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-02-23			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-03-15			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		2.8 J	< 0.25	< 0.25	< 0.25		< 0.25
	2016-09-12			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-05-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-12-05			< 0.25 J		0.45 J				< 0.25 J	< 0.35 J	< 0.25 J		< 2.5 J	< 0.25 J	< 0.25	< 0.25		< 0.25 J
	2018-04-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		2.5 J	< 0.25	< 0.25	< 0.25		< 0.25
	2018-12-04			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2018-12-04																		
	2019-05-14			< 0.25		0.50				< 0.25	< 0.35	< 0.25		5.3 J	< 0.25	< 0.25	< 0.25		< 0.25
	2019-11-04			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2020-04-15			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2020-10-27			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2021-04-27			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2021-11-09			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2022-05-10			< 0.098				< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
		DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW10	1997-05-14																		
	1998-03-09																		
	1998-06-01																		
	2000-03-20																		
	2000-05-08																		
	2001-05-18																		
	2001-08-14																		
	2005-05-12						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2008-03-27																		
	2008-06-17																		
	2010-02-18						< 0.12	< 0.083	< 4.6	< 0.086	< 0.35	< 0.077	< 0.11	< 0.11					
	2011-03-10						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-04-28						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-07-18						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2010-11-10		13	< 0.39	< 0.33	< 0.46	< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2010-11-10							< 0.31											
	2011-03-10						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2011-07-18						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-01-31						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-08-13						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-11-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-01-30		< 3.0	< 0.39	< 0.33	< 0.46	< 0.13	< 0.31	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
Well ID	Sampled	DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW10	1997-05-14														1.6				
	1998-03-09														0.76				
	1998-06-01				22				62						3.0			40	
	2000-03-20														1.0				
	2000-05-08														1.0				
	2001-05-18														1.9				
	2001-08-14														1.0				
	2005-05-12			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	1.3	< 0.28	< 0.12		< 0.33
	2008-03-27														1.6				
	2008-06-17														1.3				
	2010-02-18			< 0.12		< 0.11		< 0.18		< 0.20	< 0.28	< 0.072	6.0 TI	< 9.4	< 0.13	< 0.093	< 0.13		< 0.14
	2011-03-10			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	0.86	< 0.093	< 0.085		< 0.12
	2011-04-28			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	1.2	< 0.093	< 0.085		< 0.12
	2011-07-18			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	1.1	< 0.093	< 0.085		< 0.12
	2010-11-10			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2010-11-10																		
	2011-03-10			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2011-07-18			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-01-31			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-08-13			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-11-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-01-30			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48			< 9.4	< 0.13	< 0.093	< 0.085		< 0.12

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
Well ID	Sampled	DLR	3.0				0.50	0.50		0.50		1.0		0.50					
MW11	2013-01-30							< 0.062											
	2013-08-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-02-12						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2014-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-02-23						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2015-09-08						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-03-15						< 0.25	< 0.25	< 2.5	< 0.25	< 1.0	< 0.25	< 0.25	< 0.25					
	2016-09-12						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-05-23						< 0.25	< 0.25	< 2.5	< 0.25	< 0.50	< 0.25	< 0.25	< 0.25					
	2017-12-05						< 0.25 J	< 0.25 J	3.8 J	< 0.25	< 0.50 J	< 0.25 J	< 0.25 J	< 0.25 J					
LY1	1993-12-08										23			1.8					
	1994-03-15						1.0							4.7					
	1994-05-13						1.1							3.5					
	1994-06-07								61					2.7					
	1994-08-24								5.9		21			2.9					
	1994-12-06						1.0							3.9					
	1995-10-04													2.6					
	1995-12-19						0.66							2.0					
	1996-03-12								20					2.0					
	1996-06-11													1.0			6.5		
	1996-09-25						0.60							1.4					
	1996-12-20																		
	1997-01-09						0.70							0.70					
	1997-03-25						0.80							0.90					
	1997-05-14													0.90					
	1997-09-12																		
	1997-12-18								89										
	1998-03-03						5.9		180		44			31					
	1998-12-17								60										
	1999-03-09								90										
	2000-07-25																24		
	2001-08-14																13		
	2002-06-13							10											
	2002-09-20							6.1											
	2005-05-12						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					
	2008-09-03						< 0.36	< 0.38	< 2.5	< 0.097	< 0.46	< 0.30	< 0.17	< 0.28					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
		DLR		0.50							0.50				0.50	0.50	0.50		0.50
MW11	2013-01-30																		
	2013-08-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-02-12			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2014-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-02-23			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2015-09-08			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-03-15			< 0.25		< 0.26				< 0.25	< 0.50	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2016-09-12			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-05-23			< 0.25		< 0.26				< 0.25	< 0.35	< 0.25		< 2.5	< 0.25	< 0.25	< 0.25		< 0.25
	2017-12-05			< 0.25 J		< 0.26 J				< 0.25 J	< 0.35 J	< 0.25 J		< 2.5 J	< 0.25 J	< 0.25	< 0.25		< 0.25 J
LY1	1993-12-08			2.2				6.0											7.1
	1994-03-15			1.0				4.4											9.8
	1994-05-13																		14
	1994-06-07							1.0											12
	1994-08-24							1.3			1.1								21
	1994-12-06							0.69											9.0
	1995-10-04																		16
	1995-12-19					0.60		1.0											8.1
	1996-03-12																		3.9
	1996-06-11		9.3																
	1996-09-25							1.0	6.2									13	15
	1996-12-20							1.4			3.9					0.70		13	2.0
	1997-01-09																		6.1
	1997-03-25																		15
	1997-05-14							1.4											11
	1997-09-12							1.0										16	10
	1997-12-18																		
	1998-03-03			3.2				19			5.0					0.70		17	160
	1998-12-17																		
	1999-03-09																		
	2000-07-25						4.1												
	2001-08-14																		
	2002-06-13																		
	2002-09-20																		
	2005-05-12			< 0.21		< 0.24		< 0.48		< 0.17	**< 4.7**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33
	2008-09-03			< 0.21		< 0.24		< 0.48		< 0.17	**< 1.0**	< 0.47		< 4.8	< 0.42	< 0.28	< 0.12		< 0.33

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

		Category	SVOCs				VOCs												
		Analyte	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Diethyl phthalate	Di-n-octyl phthalate	1,2-Dichloropropane	1,4-Dichlorobenzene	Acetone	Benzene	Carbon Disulfide	Chlorodibromomethane	Chloromethane	cis-1,2-Dichloroethene	Diacetone Alcohol	Dichlorofluoromethane	Dimethyl Disulfide	Dimethyl Sulfide	Ethyl Acetate
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
	Date	CA Primary MCL	4.0				5.0	5.0		1.0		80		6.0					
Well ID	Sampled	DLR	3.0				0.50	0.50		0.50		1.0		0.50					
LY2	1997-05-14																		
	1998-06-02													17		8.0			
	1998-06-16													12					
	1998-06-17													19					
	1998-09-17													2.0					
	1998-12-17												1.0						
	1999-05-11													10					
	1999-11-30													9.0					
	2001-05-09												1.3	1.0					
	2001-08-14											2.0		2.0				28	
	2001-12-13													1.6				19	
	2002-03-27											4.3		3.4				21	
	2002-06-13							3.7						2.0				88	
	2002-09-20							2.7										64	
	2003-01-08													2.2				22	
	2008-03-28																		
Z-Well	2012-05-10						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2012-11-01						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-06-17						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					
	2013-12-16						< 0.13	< 0.062	< 4.6	< 0.083	< 0.38	< 0.13	< 0.14	< 0.085					

TABLE 4
ANALYTICAL RESULTS FOR VOCs and SVOCs IN GROUNDWATER
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Well ID	Date Sampled	Category	VOCs																
		Analyte	Ethyl ether	Ethylbenzene	Fluorotrimethyl Silane	Freon 12	Hexane	m&p-Xylenes	Methoxytrimethylsilane	Methyl Bromide	Methylene Chloride (DCM)	p-Cymene	Sulfur Dioxide	tert-Butyl Alcohol (TBA)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylsilanol	Vinyl Chloride
		Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
		CA Primary MCL		300				1,800			5.0				5.0	150	5.0		0.50
		DLR		0.50							0.50				0.50	0.50	0.50		0.50
LY2	1997-05-14									6.0	22								
	1998-06-02					4.1									14		5.6		63
	1998-06-16														13		5.4		29
	1998-06-17					3.2									19		7.3		51
	1998-09-17														1.0				5.6
	1998-12-17																		
	1999-05-11														3.0		1.0		5.5
	1999-11-30														6.0		2.0		6.6
	2001-05-09														2.7				
	2001-08-14														3.0				
	2001-12-13														3.7				
	2002-03-27														5.3		1.4		
	2002-06-13														4.5				
	2002-09-20														2.8				
	2003-01-08															5.8	1.3		
	2008-03-28														1.6		0.31 J		
Z-Well	2012-05-10			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2012-11-01			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-06-17			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12
	2013-12-16			< 0.098		< 0.099		< 0.28		< 0.25	< 0.48	< 0.12		< 9.4	< 0.13	< 0.093	< 0.085		< 0.12

Notes:

	Blank cells represent samples were not collected or data unavailable.
<	Not detected above the laboratory detection limit.
<0.020	Bolded result indicates the laboratory detection limit exceeds the listed DLR.
	Shading indicates detected result exceeds the listed MCL.
DLR	Detection limit for purposes of reporting.
J	Indicates the result is estimated.
MCL	Maximum contaminant level.
µg/l	Microgram per liter.

TABLE 5
MASS CONTAMINANT REMOVAL
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Mass Contaminant Removal (MCR) Totals		
System	**MCR**	**Units**
Landfill Gas	21.8	lbs.
Landfill Gas Condensate	0.068	lbs.

Volume of Landfill Gas and Condensate Collected		
Month	**LFG Collected (standard cubic feet)**	**Condensate (gallons)**
July 2023	1,564,848	0
August 2023	1,563,406	0
September 2023	1,512,000	375
October 2023	1,562,400	0
November 2023	1,509,984	0
December 2023	1,562,400	375
Semiannual Total	**9,275,038**	**750**

TABLE 5
MASS CONTAMINANT REMOVAL
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Mass Contaminant Removed via Landfill Gas				
Compound	**Concentration (ppbv)**	**Molecular Weight (g/mol)**	**LVG volume (scf)**	**MCR (lbs)**
2-butanone (MEK)	1,210	72.11	9,275,038	2.13
Acetone	1,120	58.08	9,275,038	1.59
Benzene	173	78.11	9,275,038	0.33
Chlorodifluoromethane	1,980	86.47	9,275,038	4.18
Chloroethane	34	64.51	9,275,038	0.05
cis-1,2-Dichloroethene	250	96.94	9,275,038	0.59
Dichlorofluoromethane	15	102.92	9,275,038	0.04
Ethanol	2,130	46.07	9,275,038	2.40
Ethyl Acetate	35	88.11	9,275,038	0.07
Freon 12	160	120.91	9,275,038	0.47
Hexane	359	86.18	9,275,038	0.76
Isopropyl Alcohol	1,020	60.10	9,275,038	1.50
Methanol	418	32.04	9,275,038	0.33
Methyl tert-Butyl Ether (MTBE)	63	88.15	9,275,038	0.14
Propene	3,200	42.08	9,275,038	3.29
Tetrahydrofuran	1,990	72.11	9,275,038	3.51
Vinyl Chloride	281	62.50	9,275,038	0.43
Semiannual Total				**21.8**

$$\text{MCR (lbs)} = \frac{\text{Concentration (ppbv)} \times \text{ molecular weight } \frac{\text{g}}{\text{mol}} \times \text{ Volume at 60°F (scf)}}{379.5 \frac{\text{scf}}{\text{lb–mol}} \times 10^9 \frac{\text{ng}}{\text{g}}}$$

Mass Contaminant Removed via Condensate				
Compound	**Concentration (µg/l)**	**Volume (gallons)**	**MCR (grams)**	**MCR (lbs)**
2-butanone (MEK)	4,700	750	1.33E+01	2.94E-02
Acetone	4,600	750	1.30E+01	2.88E-02
Methyl butyl ketone	60.0	750	1.70E-01	3.75E-04
Methyl Isobutyl Ketone (MIBK)	80.0	750	2.27E-01	5.00E-04
tert-Butyl Alcohol (TBA)	1,400	750	3.97E+00	8.75E-03
Semiannual Total				**0.068**

$$\text{Mass Contaminant Removed (grams)} = \frac{\text{Concentration} \frac{\text{ug}}{\text{L}} \times 3.78 \frac{\text{L}}{\text{gal}} \times \text{Volume gal}}{10^6 \frac{\text{ug}}{\text{g}}}$$

$$\text{MCR (lbs)} = \frac{\text{MCR (grams)}}{454}$$

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
Field Parameters	Field Parameter	Conductivity	Conductivity	µS/cm	637	-
Field Parameters	Field Parameter	DO	Dissolved Oxygen	mg/l	3.25	-
Field Parameters	Field Parameter	ORP	Oxidation Reduction Potential	mV	60.3	-
Field Parameters	Field Parameter	pH	pH	pH units	7.10	-
Field Parameters	Field Parameter	Turbidity	Turbidity	NTU	2.00	-
Herbicides	EPA 8151A	93-76-5	2,4,5-Trichlorophenoxyacetic Acid	µg/l	< 0.14	< 0.14
Herbicides	EPA 8151A	94-75-7	2,4-Dichlorophenoxyacetic Acid (2,4-D)	µg/l	< 0.34	< 0.34
Herbicides	EPA 8151A	51-36-5	3,5-Dichlorobenzoic acid	µg/l	< 0.28	< 0.28
Herbicides	EPA 8151A	94-82-6	4-(2,4-Dichlorophenoxy) butyric acid (2,4-DB)	µg/l	< 0.99	< 0.99
Herbicides	EPA 8151A	100-02-7	4-Nitrophenol	µg/l	< 0.50	< 0.50
Herbicides	EPA 8151A	50594-66-6	Acifluorfen	µg/l	< 0.24	< 0.24
Herbicides	EPA 8151A	25057-89-0	Bentazon	µg/l	< 0.55	< 0.55
Herbicides	EPA 8151A	1861-32-1	Dacthal (DCPA)	µg/l	< 0.20	< 0.20
Herbicides	EPA 8151A	75-99-0	Dalapon, sodium salt (2,2-dichloropropanoic acid)	µg/l	< 0.16	< 0.16
Herbicides	EPA 8151A	1918-00-9	Dicamba	µg/l	< 0.19	< 0.19
Herbicides	EPA 8151A	120-36-5	Dichloroprop	µg/l	< 0.24	< 0.24
Herbicides	EPA 8151A	88-85-7	Dinoseb	µg/l	< 0.090	< 0.090
Herbicides	EPA 8151A	94-74-6	MCPA ([(4-Chloro-o-tolyl)oxy]acetic acid)	µg/l	< 40	< 40
Herbicides	EPA 8151A	93-65-2	MCPP (2-(4-Chloro-2-Methylphenoxy) Propanoic Acid)	µg/l	< 27	< 27
Herbicides	EPA 8151A	87-86-5	Pentachlorophenol	µg/l	< 0.18	< 0.18
Herbicides	EPA 8151A	1918-02-1	Picloram	µg/l	< 0.13	< 0.13
Herbicides	EPA 8151A	93-72-1	Silvex (2,4,5-TP)	µg/l	< 0.14	< 0.14
Inorganics	EPA 245.1	7439-97-6	Mercury	µg/l	< 0.10	< 0.10
Inorganics	EPA 300.0	16887-00-6	Chloride	mg/l	61	61
Inorganics	EPA 300.0	14797-55-8 (as N)	Nitrate (as N)	mg/l	2.8	2.8
Inorganics	EPA 300.0	14808-79-8	Sulfate	mg/l	16	16
Inorganics	EPA 9034	18496-25-8	Sulfide	mg/l	< 1.0	< 1.0
Inorganics	SM 4500-CN CE	CyanideTotal	Cyanide, Total	mg/l	< 0.010	< 0.010
Metals	EPA 200.7	7440-23-5	Sodium	mg/l	38	40
Metals	EPA 200.7	7440-31-5	Tin	µg/l	< 20	< 20
Metals	EPA 200.8	7440-36-0	Antimony	µg/l	< 1.0	< 1.0
Metals	EPA 200.8	7440-38-2	Arsenic	mg/l	0.0039	0.0038
Metals	EPA 200.8	7440-39-3	Barium	µg/l	89 B	84 B
Metals	EPA 200.8	7440-41-7	Beryllium	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7440-43-9	Cadmium	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7440-47-3	Chromium	µg/l	4.5	4.3
Metals	EPA 200.8	7440-48-4	Cobalt	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7440-50-8	Copper	µg/l	< 1.0	< 1.0
Metals	EPA 200.8	7439-92-1	Lead	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7439-95-4	Magnesium	mg/l	35	33
Metals	EPA 200.8	7440-02-0	Nickel	µg/l	< 1.0	< 1.0
Metals	EPA 200.8	7782-49-2	Selenium	µg/l	1.6	1.6
Metals	EPA 200.8	7440-22-4	Silver	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7440-28-0	Thallium	µg/l	< 0.50	< 0.50
Metals	EPA 200.8	7440-62-2	Vanadium	µg/l	16	15
Metals	EPA 200.8	7440-66-6	Zinc	µg/l	< 2.5	< 2.5
Misc	SM 2540C	10-33-3	Total Dissolved Solids	mg/l	400	430
Misc	SM 5220D	COD	Chemical Oxygen Demand	mg O2/l	< 20	< 20
Organics	SRL 524 Modified	96-18-4	1,2,3-Trichloropropane	µg/l	< 0.0012	< 0.0012

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
PCBs	EPA 8082	12674-11-2	Aroclor 1016	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	11104-28-2	Aroclor 1221	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	11141-16-5	Aroclor 1232	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	53469-21-9	Aroclor 1242	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	12672-29-6	Aroclor 1248	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	11097-69-1	Aroclor 1254	µg/l	< 0.34	< 0.34
PCBs	EPA 8082	11096-82-5	Aroclor 1260	µg/l	< 0.34	< 0.34
Pesticides	EPA 8081A	72-54-8	4,4'-DDD	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	72-55-9	4,4'-DDE	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	50-29-3	4,4'-DDT	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	309-00-2	Aldrin	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	319-84-6	alpha-BHC	µg/l	< 0.068	< 0.068
Pesticides	EPA 8081A	319-85-7	beta-BHC	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	12789-03-6	Chlordane (technical)	µg/l	< 0.29	< 0.29
Pesticides	EPA 8081A	5103-71-9	cis-Chlordane	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	319-86-8	delta-BHC	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	60-57-1	Dieldrin	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	959-98-8	Endosulfan I	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	33213-65-9	Endosulfan II	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	1031-07-8	Endosulfan Sulfate	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	72-20-8	Endrin	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	7421-93-4	Endrin Aldehyde	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	53494-70-5	Endrin Ketone	µg/l	< 0.048	< 0.048
Pesticides	EPA 8081A	58-89-9	gamma-BHC (Lindane)	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	76-44-8	Heptachlor	µg/l	< 0.068	< 0.068
Pesticides	EPA 8081A	1024-57-3	Heptachlor Epoxide	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	72-43-5	Methoxychlor	µg/l	< 0.058	< 0.058
Pesticides	EPA 8081A	8001-35-2	Toxaphene	µg/l	< 0.19	< 0.19
Pesticides	EPA 8081A	5103-74-2	trans-Chlordane	µg/l	< 0.048	< 0.048
Pesticides	EPA 8141A	86-50-0	Azinphos Methyl	µg/l	< 0.041	< 0.041
Pesticides	EPA 8141A	35400-43-2	Bolstar (Sulprofos)	µg/l	< 0.022	< 0.022
Pesticides	EPA 8141A	2921-88-2	Chloropyrifos	µg/l	< 0.021	< 0.021
Pesticides	EPA 8141A	56-72-4	Coumaphos	µg/l	< 0.021	< 0.021
Pesticides	EPA 8141A	298-03-3	Demeton-O	µg/l	< 0.078	< 0.078
Pesticides	EPA 8141A	126-75-0	Demeton-S	µg/l	< 0.029	< 0.029
Pesticides	EPA 8141A	333-41-5	Diazinon	µg/l	< 0.037	< 0.037
Pesticides	EPA 8141A	62-73-7	Dichlorvos	µg/l	< 0.043	< 0.043
Pesticides	EPA 8141A	60-51-5	Dimethoate	µg/l	< 0.064	< 0.064
Pesticides	EPA 8141A	298-04-4	Disulfoton	µg/l	< 0.019	< 0.019
Pesticides	EPA 8141A	13194-48-4	Ethoprop (Ethoprofos)	µg/l	< 0.021	< 0.021
Pesticides	EPA 8141A	299-84-3	Fenchlorophos (Ronnel)	µg/l	< 0.018	< 0.018
Pesticides	EPA 8141A	115-90-2	Fensulfothion	µg/l	< 0.080	< 0.080
Pesticides	EPA 8141A	55-38-9	Fenthion	µg/l	< 0.038	< 0.038
Pesticides	EPA 8141A	121-75-5	Malathion	µg/l	< 0.040	< 0.040
Pesticides	EPA 8141A	150-50-5	Merphos	µg/l	< 0.050	< 0.050
Pesticides	EPA 8141A	298-00-0	Methyl-Parathion	µg/l	< 0.026	< 0.026
Pesticides	EPA 8141A	7786-34-7	Mevinphos (Phosdrin)	µg/l	< 0.035	< 0.035
Pesticides	EPA 8141A	300-76-5	Naled	µg/l	< 0.10	< 0.10
Pesticides	EPA 8141A	56-38-2	Parathion	µg/l	< 0.034	< 0.034
Pesticides	EPA 8141A	298-02-2	Phorate	µg/l	< 0.019	< 0.019

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
Pesticides	EPA 8141A	961-11-5	Stirofos (Tetrachlorovinphos)	µg/l	< 0.024	< 0.024
Pesticides	EPA 8141A	297-97-2	Thionazin	µg/l	< 0.049	< 0.049
Pesticides	EPA 8141A	34643-46-4	Tokuthion (Prothiofos)	µg/l	< 0.020	< 0.020
Pesticides	EPA 8141A	TotalDemeton	Total Demeton, -o and -s	µg/l	< 0.20	< 0.20
Pesticides	EPA 8141A	TotalParathion	Total Parathion, ethyl & methyl	µg/l	< 0.35	< 0.35
Pesticides	EPA 8141A	327-98-0	Trichloronate	µg/l	< 0.020	< 0.020
SVOCs	EPA 8270C	95-94-3	1,2,4,5-Tetrachlorobenzene	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	120-82-1	1,2,4-Trichlorobenzene	µg/l	< 0.55	< 0.55
SVOCs	EPA 8270C	95-50-1	1,2-Dichlorobenzene	µg/l	< 0.57	< 0.57
SVOCs	EPA 8270C	99-35-4	1,3,5-Trinitrobenzene	µg/l	< 3.9	< 3.9
SVOCs	EPA 8270C	541-73-1	1,3-Dichlorobenzene	µg/l	< 0.53	< 0.53
SVOCs	EPA 8270C	99-65-0	1,3-Dinitrobenzene	µg/l	< 0.21	< 0.21
SVOCs	EPA 8270C	106-46-7	1,4-Dichlorobenzene	µg/l	< 0.55	< 0.55
SVOCs	EPA 8270C	130-15-4	1,4-Naphthoquinone	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	90-12-0	1-Methylnaphthalene	µg/l	< 0.47	< 0.47
SVOCs	EPA 8270C	134-32-7	1-Naphthalamine	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	µg/l	< 0.15	< 0.15
SVOCs	EPA 8270C	95-95-4	2,4,5-Trichlorophenol	µg/l	< 0.47	< 0.47
SVOCs	EPA 8270C	88-06-2	2,4,6-Trichlorophenol	µg/l	< 0.22	< 0.22
SVOCs	EPA 8270C	120-83-2	2,4-Dichlorophenol	µg/l	< 0.26	< 0.26
SVOCs	EPA 8270C	105-67-9	2,4-Dimethylphenol	µg/l	< 0.89	< 0.89
SVOCs	EPA 8270C	51-28-5	2,4-Dinitrophenol	µg/l	< 3.4	< 3.4
SVOCs	EPA 8270C	121-14-2	2,4-Dinitrotoluene	µg/l	< 0.61	< 0.61
SVOCs	EPA 8270C	87-65-0	2,6-Dichlorophenol	µg/l	< 3.6	< 3.6
SVOCs	EPA 8270C	606-20-2	2,6-Dinitrotoluene	µg/l	< 0.26	< 0.26
SVOCs	EPA 8270C	53-96-3	2-Acetylaminofluorene	µg/l	< 1.9	< 1.9
SVOCs	EPA 8270C	91-58-7	2-Chloronaphthalene	µg/l	< 0.45	< 0.45
SVOCs	EPA 8270C	95-57-8	2-Chlorophenol	µg/l	< 0.28	< 0.28
SVOCs	EPA 8270C	534-52-1	2-Methyl-4,6-Dinitrophenol	µg/l	< 1.7	< 1.7
SVOCs	EPA 8270C	91-57-6	2-Methylnaphthalene	µg/l	< 0.49	< 0.49
SVOCs	EPA 8270C	95-48-7	2-Methylphenol (o-cresol)	µg/l	< 0.42	< 0.42
SVOCs	EPA 8270C	91-59-8	2-Naphthylamine	µg/l	< 3.2	< 3.2
SVOCs	EPA 8270C	88-74-4	2-Nitroaniline	µg/l	< 0.61	< 0.61
SVOCs	EPA 8270C	88-75-5	2-Nitrophenol	µg/l	< 0.26	< 0.26
SVOCs	EPA 8270C	91-94-1	3,3-Dichlorobenzidine	µg/l	< 3.3	< 3.3
SVOCs	EPA 8270C	119-93-7	3,3'-Dimethylbenzidine	µg/l	< 6.2	< 6.2
SVOCs	EPA 8270C	65794-96-9	3/4-Methylphenol	µg/l	< 0.22	< 0.22
SVOCs	EPA 8270C	56-49-5	3-Methylcholanthrene	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	72-54-8	4,4'-DDD	µg/l	< 3.0	< 3.0
SVOCs	EPA 8270C	72-55-9	4,4'-DDE	µg/l	< 2.1	< 2.1
SVOCs	EPA 8270C	50-29-3	4,4'-DDT	µg/l	< 2.9	< 2.9
SVOCs	EPA 8270C	92-67-1	4-Aminobiphenyl	µg/l	< 4.9	< 4.9
SVOCs	EPA 8270C	101-55-3	4-Bromophenyl phenyl ether	µg/l	< 0.36	< 0.36
SVOCs	EPA 8270C	59-50-7	4-Chloro-3-methylphenol (p-Chlorocresol)	µg/l	< 0.23	< 0.23
SVOCs	EPA 8270C	106-47-8	4-Chloroaniline	µg/l	< 0.19	< 0.19
SVOCs	EPA 8270C	7005-72-3	4-Chlorophenyl Phenyl Ether	µg/l	< 0.41	< 0.41
SVOCs	EPA 8270C	100-02-7	4-Nitrophenol	µg/l	< 1.2	< 1.2
SVOCs	EPA 8270C	56-57-5	4-Nitroquinoline-1-oxide	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	99-55-8	5-Nitro-o-Toluidine	µg/l	< 4.4	< 4.4
SVOCs	EPA 8270C	57-97-6	7,12-Dimethylbenz(a)anthracene	µg/l	< 4.0	< 4.0

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
SVOCs	EPA 8270C	83-32-9	Acenaphthene	µg/l	< 0.38	< 0.38
SVOCs	EPA 8270C	208-96-8	Acenaphthylene	µg/l	< 0.43	< 0.43
SVOCs	EPA 8270C	98-86-2	acetophenone	µg/l	< 3.3	< 3.3
SVOCs	EPA 8270C	309-00-2	Aldrin	µg/l	< 4.7	< 4.7
SVOCs	EPA 8270C	122-09-8	alpha,alpha-Dimethyl-Benzeneethanamine	µg/l	< 5.0	< 5.0
SVOCs	EPA 8270C	319-84-6	alpha-BHC	µg/l	< 1.3	< 1.3
SVOCs	EPA 8270C	62-53-3	Aniline	µg/l	< 0.32	< 0.32
SVOCs	EPA 8270C	120-12-7	Anthracene	µg/l	< 0.21	< 0.21
SVOCs	EPA 8270C	56-55-3	Benz[a]anthracene	µg/l	< 0.40	< 0.40
SVOCs	EPA 8270C	92-87-5	Benzidine	µg/l	< 3.9	< 3.9
SVOCs	EPA 8270C	50-32-8	Benzo(a)pyrene	µg/l	< 0.36	< 0.36
SVOCs	EPA 8270C	191-24-2	Benzo(g,h,i)perylene	µg/l	< 0.35	< 0.35
SVOCs	EPA 8270C	205-99-2	Benzo[b]fluoranthene	µg/l	< 0.40	< 0.40
SVOCs	EPA 8270C	207-08-9	Benzo[k]fluoranthene	µg/l	< 0.63	< 0.63
SVOCs	EPA 8270C	65-85-0	Benzoic Acid	µg/l	< 17	< 17
SVOCs	EPA 8270C	100-51-6	Benzyl alcohol	µg/l	< 0.26	< 0.26
SVOCs	EPA 8270C	85-68-7	Benzyl butyl phthalate	µg/l	< 0.68	< 0.68
SVOCs	EPA 8270C	319-85-7	beta-BHC	µg/l	< 1.4	< 1.4
SVOCs	EPA 8270C	111-91-1	Bis(2-Chloroethoxy)Methane	µg/l	< 0.25	< 0.25
SVOCs	EPA 8270C	111-44-4	Bis(2-Chloroethyl) Ether	µg/l	< 0.27	< 0.27
SVOCs	EPA 8270C	39638-32-9	Bis(2-chloroisopropyl) ether	µg/l	< 0.38	< 0.38
SVOCs	EPA 8270C	117-81-7	Bis(2-ethylhexyl) phthalate	µg/l	< 2.3	< 2.3
SVOCs	EPA 8270C	510-15-6	chlorobenzilate	µg/l	< 4.8	< 4.8
SVOCs	EPA 8270C	218-01-9	Chrysene	µg/l	< 0.39	< 0.39
SVOCs	EPA 8270C	319-86-8	delta-BHC	µg/l	< 1.3	< 1.3
SVOCs	EPA 8270C	2303-16-4	Diallate	µg/l	< 4.0	< 4.0
SVOCs	EPA 8270C	53-70-3	Dibenz[a,h]anthracene	µg/l	< 0.56	< 0.56
SVOCs	EPA 8270C	132-64-9	Dibenzofuran	µg/l	< 0.37	< 0.37
SVOCs	EPA 8270C	84-74-2	Dibutyl phthalate	µg/l	< 0.56	< 0.56
SVOCs	EPA 8270C	60-57-1	Dieldrin	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	84-66-2	Diethyl phthalate	µg/l	< 0.43	< 0.43
SVOCs	EPA 8270C	60-51-5	Dimethoate	µg/l	< 6.1	< 6.1
SVOCs	EPA 8270C	131-11-3	Dimethyl phthalate	µg/l	< 0.45	< 0.45
SVOCs	EPA 8270C	117-84-0	Di-n-octyl phthalate	µg/l	< 0.41	< 0.41
SVOCs	EPA 8270C	298-04-4	Disulfoton	µg/l	< 2.9	< 2.9
SVOCs	EPA 8270C	959-98-8	Endosulfan I	µg/l	< 3.2	< 3.2
SVOCs	EPA 8270C	33213-65-9	Endosulfan II	µg/l	< 1.4	< 1.4
SVOCs	EPA 8270C	1031-07-8	Endosulfan Sulfate	µg/l	< 1.5	< 1.5
SVOCs	EPA 8270C	72-20-8	Endrin	µg/l	< 1.4	< 1.4
SVOCs	EPA 8270C	7421-93-4	Endrin Aldehyde	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	62-50-0	ethyl methanesulfonate	µg/l	< 6.0	< 6.0
SVOCs	EPA 8270C	52-85-7	famphur	µg/l	< 2.4	< 2.4
SVOCs	EPA 8270C	206-44-0	Fluoranthene	µg/l	< 0.21	< 0.21
SVOCs	EPA 8270C	86-73-7	Fluorene	µg/l	< 0.35	< 0.35
SVOCs	EPA 8270C	58-89-9	gamma-BHC (Lindane)	µg/l	< 1.4	< 1.4
SVOCs	EPA 8270C	76-44-8	Heptachlor	µg/l	< 4.5	< 4.5
SVOCs	EPA 8270C	1024-57-3	Heptachlor Epoxide	µg/l	< 1.4	< 1.4
SVOCs	EPA 8270C	118-74-1	Hexachlorobenzene	µg/l	< 0.49	< 0.49
SVOCs	EPA 8270C	87-68-3	Hexachlorobutadiene (HCBD)	µg/l	< 0.47	< 0.47
SVOCs	EPA 8270C	77-47-4	Hexachlorocyclopentadiene	µg/l	< 1.5	< 1.5

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
SVOCs	EPA 8270C	67-72-1	Hexachloroethane	µg/l	< 0.52	< 0.52
SVOCs	EPA 8270C	1888-71-7	Hexachloropropene	µg/l	< 3.9	< 3.9
SVOCs	EPA 8270C	122-66-7	Hydrazine, 1,2-diphenyl-	µg/l	< 0.25	< 0.25
SVOCs	EPA 8270C	193-39-5	Indeno(1,2,3-cd)pyrene	µg/l	< 0.47	< 0.47
SVOCs	EPA 8270C	465-73-6	isodrin	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	78-59-1	Isophorone	µg/l	< 0.50	< 0.50
SVOCs	EPA 8270C	120-58-1	isosafrole	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	143-50-0	Kepone	µg/l	< 2.1	< 2.1
SVOCs	EPA 8270C	91-80-5	methapyrilene	µg/l	< 5.8	< 5.8
SVOCs	EPA 8270C	72-43-5	Methoxychlor	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	66-27-3	methyl methanesulfonate	µg/l	< 2.1	< 2.1
SVOCs	EPA 8270C	298-00-0	Methyl-Parathion	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	99-09-2	m-Nitroaniline	µg/l	< 0.66	< 0.66
SVOCs	EPA 8270C	91-20-3	Naphthalene	µg/l	< 0.49	< 0.49
SVOCs	EPA 8270C	98-95-3	Nitrobenzene	µg/l	< 0.36	< 0.36
SVOCs	EPA 8270C	55-18-5	n-nitrosodiethylamine	µg/l	< 1.5	< 1.5
SVOCs	EPA 8270C	62-75-9	n-Nitrosodimethylamine (NDMA)	µg/l	< 0.43	< 0.43
SVOCs	EPA 8270C	924-16-3	n-Nitroso-di-N-butylamine	µg/l	< 3.0	< 3.0
SVOCs	EPA 8270C	86-30-6	n-Nitrosodiphenylamine	µg/l	< 0.43	< 0.43
SVOCs	EPA 8270C	621-64-7	n-Nitrosodipropylamine	µg/l	< 0.26	< 0.26
SVOCs	EPA 8270C	10595-95-6	n-Nitrosomethylethylamine	µg/l	< 1.3	< 1.3
SVOCs	EPA 8270C	59-89-2	n-Nitrosomorpholine	µg/l	< 1.8	< 1.8
SVOCs	EPA 8270C	100-75-4	n-Nitrosopiperidine	µg/l	< 1.5	< 1.5
SVOCs	EPA 8270C	930-55-2	n-Nitrosopyrolidine	µg/l	< 6.0	< 6.0
SVOCs	EPA 8270C	126-68-1	O,O,O-Triethylphosphorothioate	µg/l	< 3.0	< 3.0
SVOCs	EPA 8270C	95-53-4	o-Toluidine	µg/l	< 4.8	< 4.8
SVOCs	EPA 8270C	60-11-7	p-(Dimethylamino)azobenzene	µg/l	< 3.3	< 3.3
SVOCs	EPA 8270C	56-38-2	Parathion	µg/l	< 2.9	< 2.9
SVOCs	EPA 8270C	608-93-5	pentachlorobenzene	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	82-68-8	Pentachloronitrobenzene	µg/l	< 3.7	< 3.7
SVOCs	EPA 8270C	87-86-5	Pentachlorophenol	µg/l	< 0.38	< 0.38
SVOCs	EPA 8270C	62-44-2	Phenacetin	µg/l	< 3.6	< 3.6
SVOCs	EPA 8270C	85-01-8	Phenanthrene	µg/l	< 0.32	< 0.32
SVOCs	EPA 8270C	108-95-2	Phenol	µg/l	< 0.16	< 0.16
SVOCs	EPA 8270C	298-02-2	Phorate	µg/l	< 4.6	< 4.6
SVOCs	EPA 8270C	100-01-6	p-Nitroaniline	µg/l	< 0.44	< 0.44
SVOCs	EPA 8270C	106-50-3	p-Phenylenediamine	µg/l	< 2.3	< 2.3
SVOCs	EPA 8270C	23950-58-5	Propyzamide (Kerb)	µg/l	< 3.8	< 3.8
SVOCs	EPA 8270C	129-00-0	Pyrene	µg/l	< 0.25	< 0.25
SVOCs	EPA 8270C	110-86-1	Pyridine	µg/l	< 2.1	< 2.1
SVOCs	EPA 8270C	94-59-7	Safrole	µg/l	< 3.4	< 3.4
SVOCs	EPA 8270C	TIC	Tentatively Identified Compound (TIC)	µg/l	ND	ND
SVOCs	EPA 8270C	297-97-2	Thionazin	µg/l	< 2.2	< 2.2
VOCs	EPA 524.3	96-12-8	1,2-Dibromo-3-Chloropropane	µg/l	< 0.0042	< 0.0042
VOCs	EPA 524.3	106-93-4	1,2-Dibromoethane	µg/l	< 0.0029	< 0.0029
VOCs	EPA 8260B	630-20-6	1,1,1,2-Tetrachloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	71-55-6	1,1,1-Trichloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	79-34-5	1,1,2,2-Tetrachloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	79-00-5	1,1,2-Trichloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	563-58-6	1,1-dichloro-1-Propene	µg/l	< 0.25	< 0.25

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
VOCs	EPA 8260B	75-34-3	1,1-Dichloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-35-4	1,1-Dichloroethene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	87-61-6	1,2,3-Trichlorobenzene	µg/l	< 0.40	< 0.40
VOCs	EPA 8260B	96-18-4	1,2,3-Trichloropropane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	120-82-1	1,2,4-Trichlorobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	95-63-6	1,2,4-Trimethylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	96-12-8	1,2-Dibromo-3-Chloropropane	µg/l	< 0.75	< 0.75
VOCs	EPA 8260B	106-93-4	1,2-Dibromoethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	95-50-1	1,2-Dichlorobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	107-06-2	1,2-Dichloroethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	78-87-5	1,2-Dichloropropane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	108-67-8	1,3,5-Trimethylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	541-73-1	1,3-Dichlorobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	142-28-9	1,3-Dichloropropane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	106-46-7	1,4-Dichlorobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	123-91-1	1,4-Dioxane	µg/l	< 50	< 50
VOCs	EPA 8260B	594-20-7	2,2-Dichloropropane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	78-93-3	2-butanone (MEK)	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	107-05-1	3-Chloropropene	µg/l	< 2.5	< 2.5
VOCs	EPA 8260B	67-64-1	Acetone	µg/l	< 10	< 10
VOCs	EPA 8260B	75-05-8	Acetonitrile	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	107-02-8	Acrolein	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	107-13-1	acrylonitrile	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	71-43-2	Benzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	98-82-8	Benzene, (1-methylethyl)-	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	126-99-8	beta-Chloroprene	µg/l	< 0.50	< 0.50
VOCs	EPA 8260B	108-86-1	bromobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	74-97-5	Bromochloromethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-25-2	Bromoform	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	104-51-8	Butylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-15-0	Carbon Disulfide	µg/l	< 0.70	< 0.70
VOCs	EPA 8260B	56-23-5	Carbon Tetrachloride	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	108-90-7	Chlorobenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	124-48-1	Chlorodibromomethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	67-66-3	Chloroform	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	74-87-3	Chloromethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	156-59-2	cis-1,2-Dichloroethene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	10061-01-5	cis-1,3-Dichloropropene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	74-95-3	Dibromomethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-27-4	Dichlorobromomethane	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	108-20-3	Diisopropyl Ether	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	64-17-5	Ethanol	µg/l	< 250	< 250
VOCs	EPA 8260B	75-00-3	Ethyl Chloride	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	97-63-2	ethyl methacrylate	µg/l	< 0.50	< 0.50
VOCs	EPA 8260B	100-41-4	Ethylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	637-92-3	Ethyl-t-Butyl Ether (ETBE)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-69-4	Freon 11	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-71-8	Freon 12	µg/l	< 0.26	< 0.26
VOCs	EPA 8260B	87-68-3	Hexachlorobutadiene (HCBD)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	78-83-1	Isobutyl Alcohol	µg/l	< 10	< 10

TABLE 6
GROUNDWATER EVENT SUMMARY - 5-YEAR CONSTITUENT OF CONCERN SAMPLING
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Category	Method	CAS	Analyte	Units	Sample ID	
					FCCL-MW3-231107	FCCL-MW3-DUP-231107
VOCs	EPA 8260B	126-98-7	Methacrylonitrile	µg/l	< 2.5	< 2.5
VOCs	EPA 8260B	74-83-9	Methyl Bromide	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	591-78-6	Methyl butyl ketone	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	74-88-4	Methyl Iodide	µg/l	< 1.5	< 1.5
VOCs	EPA 8260B	108-10-1	Methyl Isobutyl Ketone (MIBK)	µg/l	< 1.0	< 1.0
VOCs	EPA 8260B	80-62-6	Methyl methacrylate	µg/l	< 0.50	< 0.50
VOCs	EPA 8260B	1634-04-4	Methyl tert-Butyl Ether (MTBE)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-09-2	Methylene Chloride (DCM)	µg/l	< 0.35	< 0.35
VOCs	EPA 8260B	91-20-3	Naphthalene	µg/l	< 0.80	< 0.80
VOCs	EPA 8260B	103-65-1	n-Propylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	95-49-8	o-Chlorotoluene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	106-43-4	p-Chlorotoluene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	99-87-6	p-Cymene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	107-12-0	Propionitrile	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	135-98-8	sec-Butylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	100-42-5	Styrene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	TIC	Tentatively Identified Compound (TIC)	µg/l	< 10	< 10
VOCs	EPA 8260B	994-05-8	Tert-Amyl Methyl Ether (TAME)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	75-65-0	tert-Butyl Alcohol (TBA)	µg/l	< 6.5	< 6.5
VOCs	EPA 8260B	98-06-6	tert-Butylbenzene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	127-18-4	Tetrachloroethene (PCE)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	108-88-3	Toluene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	156-60-5	trans-1,2-Dichloroethene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	10061-02-6	trans-1,3-Dichloropropene	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	110-57-6	trans-1,4-Dichloro-2-Butene	µg/l	< 5.0	< 5.0
VOCs	EPA 8260B	79-01-6	Trichloroethene (TCE)	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	108-05-4	Vinyl Acetate	µg/l	< 1.0	< 1.0
VOCs	EPA 8260B	75-01-4	Vinyl Chloride	µg/l	< 0.25	< 0.25
VOCs	EPA 8260B	1330-20-7	Xylenes, Total	µg/l	< 0.27	< 0.27

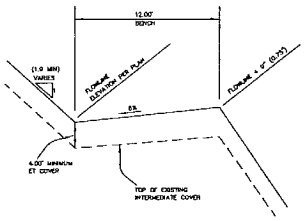
Notes:

	Blank cells represent samples were not collected or data unavailable.
<	Not detected above the laboratory detection limit.
ND	Not detected (no applicable detection limit).
B	Method blank contains analyte.
mg/l	Milligram per liter.
µg/l	Microgram per liter.

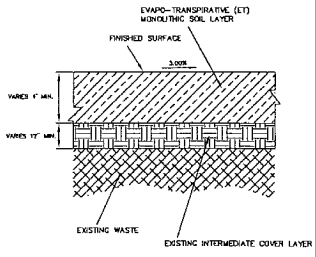
APPENDICES

APPENDIX A

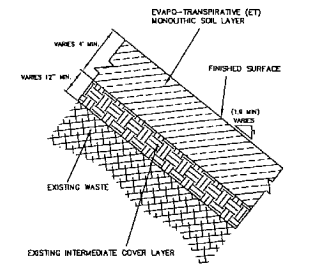
FINAL GRADING AND DRAINAGE PLAN



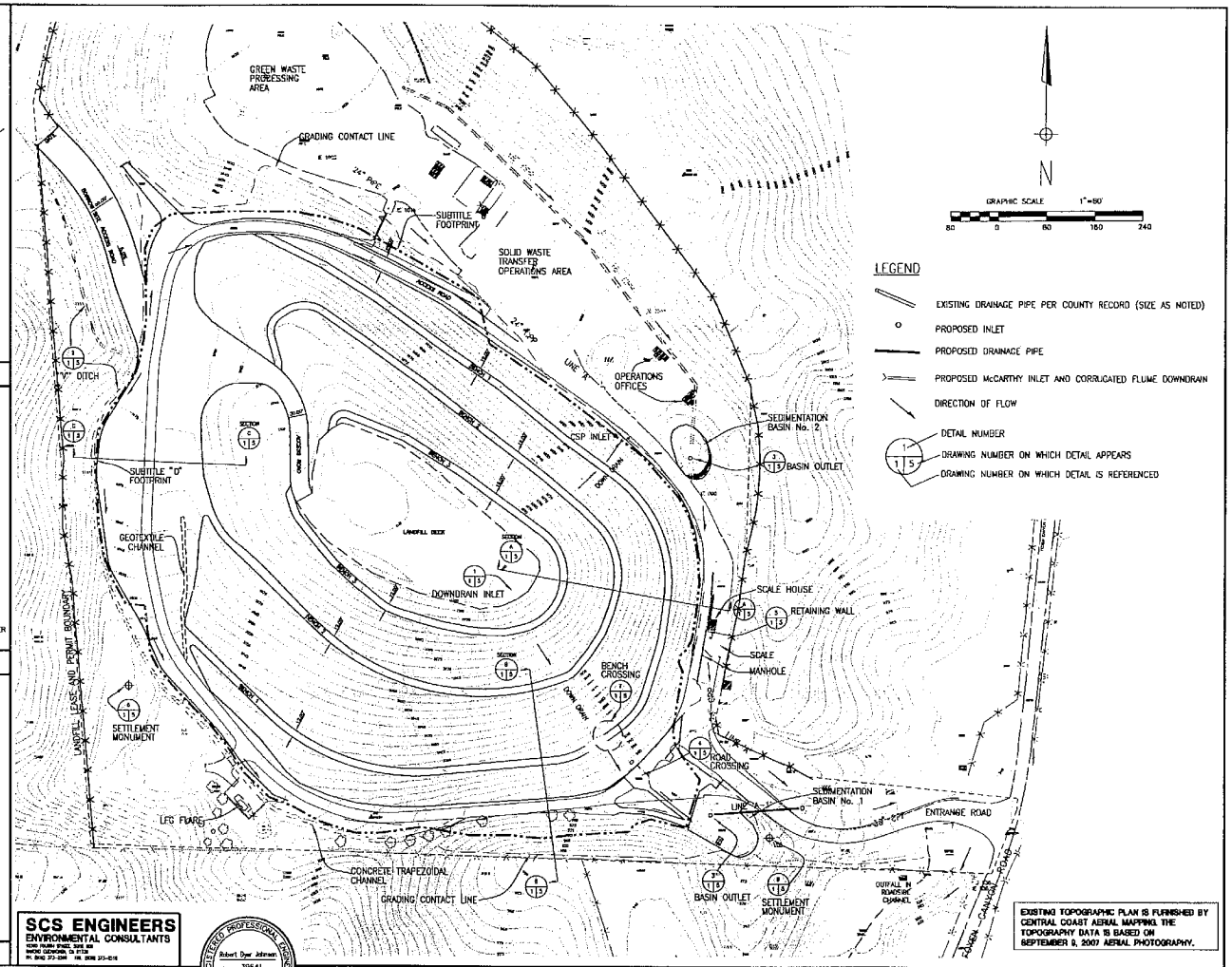
TYPICAL LANDFILL BENCH (NTS)



TYPICAL DECK COVER SECTION (NTS)



TYPICAL SLOPE COVER SECTION (NTS)



EXISTING TOPOGRAPHIC PLAN IS FURNISHED BY CENTRAL COAST AERIAL MAPPING. THE TOPOGRAPHY DATA IS BASED ON SEPTEMBER 9, 2007 AERIAL PHOTOGRAPHY.

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

REGISTERED PROFESSIONAL ENGINEER
Robert Dyer Johnson
No. 39641
Exp 12-31-08
CIVIL
STATE OF CALIFORNIA

REVISIONS:	CONSTRUCTION STARTED:	PROJECT ENGINEER:
DECEMBER 2007 – GENERAL REVISION FOR AS-BUILT CONDITION	CONSTRUCTION COMPLETED:	
	RECORD DRAWING:	DATE

COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
RESOURCE RECOVERY & WASTE MANAGEMENT DIVISION

DESIGN BY:	CHECKED BY:	SCALE:	PROJECT NO:	FINAL GRADING & DRAINAGE PLAN	DRAWING NO: 1 OF 9
Robert D Johnson, P.E.		1"= 80'	828710		FILE NO.
DRAWN BY: KMG	CONSTRUCTABILITY REVIEW BY:				

FINAL GRADING & DRAINAGE PLAN
FOXEN CANYON LANDFILL
PROJECT NUMBER 828710

COUNTY OF SANTA BARBARA
DEPARTMENT OF PUBLIC WORKS
RESOURCE RECOVERY & WASTE MANAGEMENT DIVISION

APPENDIX B

MONTHLY INSPECTIONS AND STANDARD OBSERVATIONS

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 7/24/23	Date of Last Inspection: 6/21/23	Time: 11:15 AM	Inspector: LIAM GUNST

Type of Inspection: ☒ Wet Season (Oct 1- Apr 31) Monthly ☐ Following Storm ☐ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: SLIP AREAS STILL NEED REPAIR

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: SLIP AREAS NEED REPAIR

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: NO NSWDS OBSERVED

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☐ No ☐ Yes

Details: COVER DAMAGED ON SLIP AREAS

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 8/29/23	Date of Last Inspection: 7/24/23	Time: 10:00 AM	Inspector: LIAM GUNST

Type of Inspection: ☐ Wet Season (Oct 1- Apr 31) Monthly ☐ Following Storm ☒ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: OTHER THAN THE SLOPE SLIPS

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: OTHER THAN THE SLOPE DAMAGE

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: No NSWDS OBSERVED

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☒ No ☐ Yes

Details:

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Part D - Standard Observations for Drainage Systems

i. General Condition of Drainage Ditches and Culverts:

☒ Good ☐ Fair ☐ Poor

Details: _____

ii. General Conditions of the Landfill:

☒ Good ☐ Fair ☐ Poor

Details: _____

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: OTHER THAN SLOPE DAMAGE FROM STORM

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details: _____

Part E - Notes

Part F - Rainfall Data

i. Total Precipiation:

January to March: 22.00
April to June: 0.52
July to September: 0.00
October to December: 8.00

Source: LOS OLIVOS - FOXEN CANYON

ii. Precipitation and return interval (5, 10, 20, 50, 100 years) during most intense 24-hour interval of each three month period:

	Date	Precipitation	Return period
Jan to Mar	1/8/23	4.08	16.6
Apr to Jun	5/3/23	0.33	1.0
Jul to Sept			
Oct to Dec	12/26/22	1.46	1.0

Source: SB COUNTY OFFICIAL RAINFALL RECORD

iii. Number of storms greater than one inch in 24 hours:

January to March: 6
April to June: 0
July to September: 0
October to December: 2

Notes: These WDR/MRP observations are taken from:

MRP, R3-2007-0027finalfoxencanyon.pdf

Located on the Server:

G:\RR&WM\ENGINEER\Foxen\170011 Foxen Canyon Landfill\900 WRK\990 Inspection Observations

Inspection Form Revised:

September 27, 2022 by Liam Gunst

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 9/20/23	Date of Last Inspection: 8/29/23	Time: 10:30 AM	Inspector: LIAM GUNST

Type of Inspection: ☐ Wet Season (Oct 1- Apr 31) Monthly ☐ Following Storm ☒ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: ONLY DAMAGE ARE THE DOCUMENTED SLOPE SLIPS.

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: OTHER THAN SLOPE DAMAGE

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: No NSWDs OBSERVED

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☒ No ☐ Yes

Details:

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Part D - Standard Observations for Drainage Systems

i. General Condition of Drainage Ditches and Culverts:

☒ Good ☐ Fair ☐ Poor

Details: _____

ii. General Conditions of the Landfill:

☒ Good ☐ Fair ☐ Poor

Details: _____

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: OTHER THAN THE SLOPE SLIPS

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details: _____

Part E - Notes

BOS APPROVED THE ATA FOR REPAIRING THE DAMAGED SLOPES

Part F - Rainfall Data

i. Total Precipiation:

January to March: 22.00
April to June: 0.52
July to September: 0.00
October to December: 8.00

Source: LOS OLIVOS - FOXEN CANYON

ii. Precipitation and return interval (5, 10, 20, 50, 100 years) during most intense 24-hour interval of each three month period:

	Date	Precipitation	Return period
Jan to Mar	1/8/23	4.08	16.6
Apr to Jun	5/3/23	0.33	1.0
Jul to Sept			
Oct to Dec	12/26/22	1.46	1.0

Source: SB COUNTY OFFICIAL RAINFALL RECORD

iii. Number of storms greater than one inch in 24 hours:

January to March: 6
April to June: 0
July to September: 0
October to December: 2

Notes: These WDR/MRP observations are taken from:

MRP, R3-2007-0027finalfoxencanyon.pdf

Located on the Server:

G:\RR&WM\ENGINEER\Foxen\170011 Foxen Canyon Landfill\900 WRK\990 Inspection Observations

Inspection Form Revised:

September 27, 2022 by Liam Gunst

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 10/10/23	Date of Last Inspection: 7/20/23	Time: 11:30 AM	Inspector: LIAM GUNST

Type of Inspection: ☒ Wet Season (Oct 1- Apr 31) Monthly ☐ Following Storm ☐ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: KNOWN DAMAGED SLOPE AREAS

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: KNOWN SLIP AREA ON PERIMETER

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: DISCHARGE LOCATION IS GOOD

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☐ No ☐ Yes

Details: KNOWN COVER DAMAGE COVERED WITH PLASTIC SHEETING

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Part D - Standard Observations for Drainage Systems

i. General Condition of Drainage Ditches and Culverts:

☒ Good ☐ Fair ☐ Poor

Details: _____

ii. General Conditions of the Landfill:

☒ Good ☐ Fair ☐ Poor

Details: _____

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: KNOWN COVER DAMAGE CONSTRUCTION IN APRIL 2024

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details: _____

Part E - Notes

FCCL IS IN GOOD SHAPE

Part F - Rainfall Data

i. Total Precipiation:

January to March: _____
April to June: _____
July to September: _____
October to December: Ø

Source: _____

ii. Precipitation and return interval (5, 10, 20, 50, 100 years) during most intense 24-hour interval of each three month period:

	Date	Precipitation	Return period
Jan to Mar			
Apr to Jun			
Jul to Sept			
Oct to Dec	—	—	—

Source: _____

iii. Number of storms greater than one inch in 24 hours:

January to March: _____
April to June: _____
July to September: _____
October to December: Ø

Notes: These WDR/MRP observations are taken from:

MRP, R3-2007-0027finalfoxencanyon.pdf

Located on the Server:

G:\RR&WM\ENGINEER\Foxen\170011 Foxen Canyon Landfill\900 WRK\990 Inspection Observations

Inspection Form Revised:

September 27, 2022 by Liam Gunst

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 11/29/23	Date of Last Inspection: 10/10/23	Time: 1:00 PM	Inspector: LIAM GUNST

Type of Inspection: ☒ Wet Season (Oct 1- Apr 31) Monthly ☐ Following Storm ☐ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details:

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details:

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: DISCHARGE LOCATION IS GOOD

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☒ No ☐ Yes

Details:

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Part D - Standard Observations for Drainage Systems

i. General Condition of Drainage Ditches and Culverts:

☑ Good ☐ Fair ☐ Poor

Details: _____

ii. General Conditions of the Landfill:

☑ Good ☐ Fair ☐ Poor

Details: _____

iii. Evidence of Erosion or Exposed Refuse:

☒ No ☐ Yes

Details: _____

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details: _____

Part E - Notes

FCCL IS IN GOOD SHAPE OTHER THAN THE SLOPE DAMAGE.

Part F - Rainfall Data

i. Total Precipiation:

January to March: _____
April to June: _____
July to September: _____
October to December: 0.68

Source: RAIN ONE: LOS OLIVOS - FOXEN CANYON

ii. Precipitation and return interval (5, 10, 20, 50, 100 years) during most intense 24-hour interval of each three month period:

	Date	Precipitation	Return period
Jan to Mar			
Apr to Jun			
Jul to Sept			
Oct to Dec	11/17/23	0.34	1.0

Source: SB COUNTY OFFICIAL RAINFALL RECORD

iii. Number of storms greater than one inch in 24 hours:

January to March: _____
April to June: _____
July to September: _____
October to December: Ø

Notes: These WDR/MRP observations are taken from:

MRP, R3-2007-0027finalfoxencanyon.pdf

Located on the Server:

G:\RR&WM\ENGINEER\Foxen\170011 Foxen Canyon Landfill\900 WRK\990 Inspection Observations

Inspection Form Revised:

September 27, 2022 by Liam Gunst

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Date: 12/27/23	Date of Last Inspection: 11/29/23	Time: 10:30 AM	Inspector: LIAM GUNST

Type of Inspection: ☐ Wet Season (Oct 1- Apr 31) Monthly ☒ Following Storm ☐ Dry Season (May 1 - September 30) Monthly

Part A - Standard Observations at the Landfill

i. Evidence of Ponding Water:

☒ None ☐ Minimal ☐ Problematic (show on map)

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: ONLY IN THE KNOWN AREAS SLOPE SLIP

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details:

Part B - Standard Observations along the Landfill Perimeter

i. Evidence of liquid entering/leaving landfill

☒ No ☐ Yes

If yes, characterize size, flow rate, and show on map

Details:

ii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

Part B - Continued

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: JUST THE DAMAGE FROM JAN 23 STORM

iv. Inspection of all storm water discharge locations for evidence of non-storm water discharges during dry seasons, and integrity during wet seasons.

Details: DISCHARGE LOCATION IS GOOD

v. Evidence of Trespass or damage to cover system, structures, or equipment:

☐ No ☒ Yes

Details: STORM DAMAGE

Part C - Standard Observations of Receiving Waters

i. Floating and Suspended Materials of Waste Origin.

☒ No ☐ Yes

Details:

ii. Discoloration and Turbidity

☒ No ☐ Yes

Details:

iii. Evidence of Odors: ☒ No ☐ Yes

If yes, characterize the odor, its source, and distance of travel from source

Details:

iv. Evidence of Beneficial Use - Water Associated Wildlife

☒ No ☐ Yes

Details:

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

Foxen Canyon Closed Landfill
MRP Site Inspections - Standard Observations
County of Santa Barbara - Resource Recovery and Waste Mangement Division

Part D - Standard Observations for Drainage Systems

i. General Condition of Drainage Ditches and Culverts:

☒ Good ☐ Fair ☐ Poor

Details: _____

ii. General Conditions of the Landfill:

☐ Good ☒ Fair ☐ Poor

Details: SLOPE DAMAGE FROM STORM

iii. Evidence of Erosion or Exposed Refuse:

☐ No ☒ Yes

Details: SLOPE DAMAGE FROM STORM

iv. Integrity of Drainage and Containment Systems:

☒ Good ☐ Fair ☐ Poor

Details: _____

Part E - Notes

FCCL LOOKING GOOD OTHER THAN SLOPE DAMAGE

Part F - Rainfall Data

i. Total Precipiation:

January to March: _____
April to June: _____
July to September: _____
October to December: 3.51

Source: RAINONE : LOS OLIVOS - FOXEN CANYON

ii. Precipitation and return interval (5, 10, 20, 50, 100 years) during most intense 24-hour interval of each three month period:

	Date	Precipitation	Return period
Jan to Mar			
Apr to Jun			
Jul to Sept			
Oct to Dec	12/20/23	1.45	1.0

Source: SB COUNTY OFFICIAL RAINFALL RECORD

iii. Number of storms greater than one inch in 24 hours:

January to March: _____
April to June: _____
July to September: _____
October to December: 1

Notes: These WDR/MRP observations are taken from:

MRP, R3-2007-0027finalfoxencanyon.pdf

Located on the Server:

G:\RR&WM\ENGINEER\Foxen\170011 Foxen Canyon Landfill\900 WRK\990 Inspection Observations

Inspection Form Revised:

September 27, 2022 by Liam Gunst

Semiannual Monitoring Periods:
Wet Season: October 1st to April 30th
Dry Season: May 1st to September 30th

APPENDIX C

FIELD SAMPLING DATA SHEETS

WELL GAUGING DATA

Project # 231107-NT1 Date 11/7/23 Client County of Santa Barbara

Site Foxen Canyon Closed Landfill

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-3	0840	6					262.21	-		
MW-4	0903	4					dry	313.30		
MW-8	0831	6					404.30	404.71		
MW-10	0751	2					dry	40.21		
MW-11	0736	2					dry	260.81		
MW-12	0813	2					dry	57.78		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107 - NT1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-3	Well Diameter (in.): 2 3 4 (6) 8 ____
Total Well Depth (ft.): -	Depth to Water (ft.): 262.21
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro Plus

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ____

Start Purge Time: 0847 Flow Rate: 300 mL/min Pump Depth: Ded. QED

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0850	18.0	6.95	607	6	4.97	70.2	900	262.30
0853	17.9	6.94	619	5	4.11	57.4	1800	262.30
0856	17.9	6.91	623	5	3.04	53.9	2700	262.30
0859	17.8	6.98	639	4	2.98	49.3	3600	262.30
0902	17.8	7.03	639	4	3.01	50.4	4500	262.30
0905	17.8	7.08	641	3	3.17	52.7	5400	262.30
0908	17.8	7.08	638	3	3.22	57.0	6300	262.30
0911	17.7	7.09	638	2	3.24	59.1	7200	262.30
0914	17.7	7.10	637	2	3.25	60.3	8100	262.30

Did well dewater? Yes (No) Amount actually evacuated: 8.1L

Sampling Time: 0915 Sampling Date: 11/7/23

Sample I.D.: FCCL-MW3-231107 Laboratory: OEC

Equipment Blank I.D.: FCCL-@QCEB-231107 Time 0950 Duplicate I.D.: FCCL-MW3-DUP-231107

Analyzed for:

TDS SM2540C Cl- /NO3-N/204- EPA 300 ☒	COD 410.4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☒	EPA 504.1 EDB/DBCP ☒
200.7/200.8 Metals Diss Barium ☒	8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☒	524.2 1,2,3-TCP ☒

See C.O.C.

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107-NS1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-4	Well Diameter (in.): 2 3 (4) (6) 8 ____
Total Well Depth (ft.): 313.30	Depth to Water (ft.): dry
Referenced to: (PVC) Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump / Peristaltic Pump / Bladder Pump
Sampling Method: Dedicated Tubing / New Tubing / Other ____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			- well	is dry -				
			- No samples taken -					

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: OEC

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for:

- TDS SM2540C — Cl- /N03-N/204- EPA 300 ☐
- COD 410 4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐
- EPA 504 1 EDB/DBCP ☐
- 200 7/200 8 Metals Diss Barium ☐
- 8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☐
- 524 2 1,2,3-TCP ☐

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107-MT1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-8	Well Diameter (in.): 2 3 4 (6) 8 ____
Total Well Depth (ft.): 404.71	Depth to Water (ft.): 404.30
Referenced to: (PVC) Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump / Peristaltic Pump / Bladder Pump
Sampling Method: Dedicated Tubing / New Tubing / Other ____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		- insufficient		water to purge or sample -				
		- No samples taken -						

Did well dewater? Yes / No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: OEC

Equipment Blank I.D.: @ Time — Duplicate I.D.:

Analyzed for:

- TDS SM2540C — Cl- /NO3-N/204- EPA 300 ☐
- COD 410.4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐
- EPA 504.1 EDB/DBCP ☐
- 200.7/200.8 Metals Diss. Barium ☐
- 8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☐
- 524.2 1,2,3-TCP ☐

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107 - NT1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-10	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 40.21	Depth to Water (ft.): dry
Referenced to: PVC Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump / Peristaltic Pump / Bladder Pump
Sampling Method: Dedicated Tubing / New Tubing / Other ____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			well	is dry	-			
			No samples taken					

Did well dewater? Yes No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: OEC

Equipment Blank I.D.: @ Time — Duplicate I.D.:

Analyzed for:

TDS SM2540C Cl- /N03-N/204- EPA 300 ☐	COD 410.4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐	EPA 504.1 EDB/DBCP ☐
200.7/200.8 Metals Diss. Barium ☐	8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☐	524.2 1,2,3-TCP ☐

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107 - NT1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-11	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 260.81	Depth to Water (ft.): dry
Referenced to: (PVC) Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump / Peristaltic Pump / Bladder Pump
Sampling Method: Dedicated Tubing / New Tubing / Other ____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		- well is dry -						
		- No samples taken -						

Did well dewater? Yes / No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: OEC

Equipment Blank I.D.: @ Time — Duplicate I.D.:

Analyzed for:

- TDS SM2540C — Cl- /N03-N/204- EPA 300 ☐
- COD 410 4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐
- EPA 504 1 EDB/DBCP ☐
- 200 7/200 8 Metals Diss Barium ☐
- 8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☑
- 524 2 1,2,3-TCP ☐

LOW FLOW WELL MONITORING DATA SHEET

Project #: 27107-NC1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: MW-12	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 57.78	Depth to Water (ft.): dry
Referenced to: (PVC) Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump / Peristaltic Pump / Bladder Pump
Sampling Method: Dedicated Tubing / New Tubing / Other ____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			– well	is	dry –			
			– No	samples	taken –			

Did well dewater? Yes / No — Amount actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — Laboratory: OEC

Equipment Blank I.D.: @ Time — Duplicate I.D.:

Analyzed for:

TDS SM2540C; Cl- /N03-N/204- EPA 300 ☐	COD 410.4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐	EPA 504.1 EDB/DBCP ☐
200.7/200.8 Metals Diss. Barium ☐	8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☐	524.2 1,2,3-TCP ☐

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231107 - NT1	Client: County of Santa Barbara - FCCL
Sampler: Nara Tep	Gauging Date: 11/7/23
Well I.D.: Condensate	Well Diameter (in.): 2 3 4 6 8 ____
Total Well Depth (ft.): -	Depth to Water (ft.): -
Referenced to: PVC Grade	Flow Cell Type: -

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other____

Start Purge Time: - Flow Rate: - Pump Depth: -

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		-	Grab	sample	taken	-		
0940	18.0	4.66	298	23	4.01	61.1	-	-

Did well dewater? Yes (No) Amount actually evacuated: -

Sampling Time: 0940 Sampling Date: 11/7/23

Sample I.D.: FCCL - Condensate - 231107 Laboratory: OEC

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for:

TDS SM2540C	Cl- /N03-N/204- EPA 300 ☐	COD 410 4, Metals Table 3*, Mercury 7470, 2,3,7,8-TCDD ☐	EPA 504 1 EDB/DBCP ☐
200 7/200 8 Metals Diss Barium ☐		8260B Full/Appl/Oxy/1,4 Dioxane, 8260B TIC ☑	524 2 1,2,3-TCP ☐

Oilfield Environmental & Compliance, Inc.

307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only)

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara	Project Name / No: Groundwater - Semiannual and 5Y COC
Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101	Site: Foxen Canyon Closed Class III Landfill / PO #:
Phone: 805-882-3619 / Email: jhancoc@countyofsb.org	Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com
Report To: John Hancock / Sampler (Print):	Bacteriological Sample Type: Routine ☐ Repeat ☐ Replacemer ☐ Other ☐

Report Format(s): PDF(std) ☑ EDD ☑ EDF(i) ☑ WellSTAR(i) ☐ LTS(i) ☐ OTHER (Custom) EDD ☐

(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: WellSTAR Facility / API# / Entity#: L10004697449

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ ___ 1 Day ☐ ___ 2 Day ☐ ___ 3 Day ☐ ___ 5 Day ☐ ___ Standard ☑

* A =air/vapor, P =product/oil, S =solid/sediment, Waters (DW =drinking, GW =ground, PW=produced, WW =waste)

Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	TDS SM2540C	Cl-/NO3-N/SO4- EPA 300	Diss. Barium 200.7/200.8	8260B Full/Appl/ Oxy/1,4-Dioxane	EPA 504.1 EDB/DBCP	524.2 1,2,3-TCP	COD 410.4	Metals Table 3*	Mercury 7470	2,3,7,8-TCDD	Special Instructions
	11/7/23	0915	AQ	16	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	*See attached MRP Constituents of Concern List. MDL report.
			~~AQ~~		~~FCCL-MW4-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW8-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW10-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW11-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	11/7/23	0925	AQ	16	FCCL-~~MW11~~MW3-DUP- 231107	X	X	X	X	X	X	X	X	X	X	
			~~AQ~~		~~FCCL-MW12-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	11/7/23	0950	AQ	7	FCCL-QCEB- 231107				X	X	X					
	11/7/23	0700	AQ	5	FCCL-QCTB- 231107				X	X	X					
	11/7/23	0940	AQ	7	FCCL-CONDENSATE-231107				X	X	X					

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
	Nava Tap IBTS	11/7/23	1630		Don Robinson OEC

Oilfield Environmental & Compliance, Inc.
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101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only)

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara
Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101
Phone: 805-882-3619
Email: jhancoc@countyofsb.org
Report To: John Hancock
Sampler (Print):

Project Name / No: Groundwater - Semiannual and 5Y COC
Site: Foxen Canyon Closed Class III Landfill
PO #:
Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com

Bacteriological Sample Type: Routin☐ Repea☐ Replaceme☐ Other☐

Report Format(s): PDF(std ☑ EDD ☑ EDF(i) ☑ WellSTAR(i ☐ LTS(i) ☐
OTHER (Custom) EDD ☐
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: L10004697449
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☑

* A =air/vapor, P =product/oil, S =solid/sediment, Waters (DW =drinking, GW =ground, PW=produced, WW =waste)

Special Instructions: *All requests subject to OEC Terms & Conditions*
App II – Complete analytical list for Appendix II to 40 CFR, 258. MDL report.

Lab Use Only	Sampled Date	Time	Matrix*	# of Cont.	Sample ID	SVOCs 8270C App II + TIC	VOCs 8260B App II + TIC	Pesticides 8141A	Pesticides 8081A App II	Herbicides 8151A	Cyanide 4500-CN CE	Sulfide 9034	PCBs 8082	Esters, Phenols	Non-halogen Vols 8015	Special Instructions
	11/7/23	0915	AQ	10	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	
			~~AQ~~		~~FCCL-MW4-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW8-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW10-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-MW11-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	11/7/23	0925	AQ	10	FCCL-~~MW11~~ MW3-DUP- 231107	X	X	X	X	X	X	X	X	X	X	
			~~AQ~~		~~FCCL-MW12-~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
			~~AQ~~		~~FCCL-QCEB-~~											
			~~AQ~~		~~FCCL-QCTB- 231107~~											

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
[signature]	Nara Tag / BTS	11/7/23	1630	[signature]	Don Robinson OEC

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	County of Santa Barbara - Foxen Canyon Closed Landfill			PROJECT NUMBER	231107 - NT 1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro Plus	14F101236	11/7/23 0700	7, 10, 4 3900	7.01, 9.94, 4.03 3903	✓ ✓	16.5°C	NT
↓	↓		242.7 mV 100%.	241.6 mV 99.7%	✓	16.6°C	↓

WELLHEAD INSPECTION CHECKLIST

Client County of Santa Barbara Date 11/7/23

Site Address Foxen Canyon Closed Landfill

Job Number 231107-NT1 Technician NT

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-3	X									
MW-4	X									
MW-8	X									
MW-10	X									
MW-11	X									
MW-12	X									

NOTES:

FIELD LOGBOOK

SITE LOCATION / SAMPLING POINT
SANTA YNEZ VALLEY RECYCLING & TRANSFER STATION / SWMP2

FCCL-SWMP1

SAMPLE OBSERVATION LOCATION AND COLLECTION PROCEDURE
Sample withdrawal containers were filled at the exit of a 30" corrugated plastic pipe (CPP) located in the drainage course at the entrance road and Foxen Canyon Road. A "thief" sampler was utilized to recover samples requiring preservatives. The "thief" sampler permits the transfer of the sample to the proper containers while preventing air bubbles and the loss of preservative in the samples.

DATE & TIME OF COLLECTION DATE 3/19/2023 TIME 11:50

SAMPLE DISTRIBUTION & TRANSPORT (check one)
_____ The samples were placed in an insulated ice chest packed with ice for transport and picked up by the labs the same day.
✓ The samples were placed in an insulated ice chest packed with ice for transport and stored in a locked refrigerator. Lab picked up the samples the next day.

FIELD OBSERVATIONS – (Circle those that are present)

Water color Brown Colorless Clear Slightly Cloudy Cloudy Very Cloudy

Odor/Odorless

Material in Water: (Circle those that are present)

Sediment Wood Fragments Styrofoam Other (describe) ~~Grass/Leaves~~

Sheen Yes/No

Time runoff began 8:00 AM

Describe flow at sample point: Light Medium Heavy Very Heavy

Field Parameters:

pH – 8.7

pH Calibration Record (time/steps taken) -

NAME OF OBSERVER John Hancock _____ Gus Roepke _____ Santa Barbara County

G:\rrwm\engineer\syvrts\130199 SYVRTS Engineering\900 Work\930 Field Logs\SYVRTS Storm Water Field Log Blank

Tony Howell

APPENDIX D

LABORATORY ANALYTICAL REPORTS

Analytical Report

Oilfield Environmental & Compliance, Inc.

John Hancock
Santa Barbara County RRSWM
130 E. Victoria Suite 100
Santa Barbara, CA 93103

OEC Work Order: **2308807**
Report Date: **January 17, 2024 13:57**

Project: **FCCL Groundwater - Semiannual & 5 Yr**

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on November 07, 2023 17:34 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:

Meredith Sprister, Business Director
msprister@oecusa.com

307 Roemer Way, Suite 300
Santa Maria, CA 93454

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PJLA Testing Accreditation #99137

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TNI 2016 & ISO/IEC 17025:2017
CA-ELAP 2438, TNI 02666

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Revision History

Previous Report	Reason for Revision
2308807 12/10/2023 12:53	Partial report.
2308807 12/12/2023 13:58	Results less dioxin data.
2308807 12/28/2023 13:42	Results with additional requested metal, per client.

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
FCCL-MW3-231107	2308807-01	Water	Water	11/07/2023 09:15	11/07/2023 17:34
FCCL-MW3-DUP-231107	2308807-02	Water	Water	11/07/2023 09:25	11/07/2023 17:34
FCCL-QCEB-231107	2308807-03	Water	Water	11/07/2023 09:50	11/07/2023 17:34
FCCL-QCTB-231107	2308807-04	Water	Water	11/07/2023 07:00	11/07/2023 17:34
FCCL-CONDENSATE-231107	2308807-05	Water	Water	11/07/2023 09:40	11/07/2023 17:34

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Anions by IC		
EPA 300.0	B3K0296	11/08/2023 14:59
Chlorinated Herbicides by EPA Method 8151A		
8151 Chlorinated Herbicides (sub)		
Dissolved Metals by CVAA		
Mercury Dissolved EPA 245.1	B3K0602	11/16/2023 11:36
Dissolved Metals by ICP		
200.7 Dissolved	B3K0543	11/15/2023 10:49
Dissolved Metals by ICP/MS		
200.8 Dissolved	B3K0346	11/09/2023 11:15
200.8 Dissolved	B3L0199	12/06/2023 14:34
General Chemistry Parameters by EPA or APHA Standard Methods		
COD, Chemical Oxygen Demand	B3K0389	11/10/2023 10:35
Cyanide, Total	B3K0308	11/08/2023 13:19
Solids, Total Dissolved (TDS), SM2540C	B3K0436	11/13/2023 10:48
Sulfide, Total by EPA 9034	B3K0395	11/13/2023 12:22
Organochlorine Pesticides by GC/ECD/ECD		
8081A Pesticides	B3K0419	11/13/2023 06:09
Organophosphorus Pesticides by EPA Method 8141A		
8141 Organophosphorus Pesticides (sub)		
Polychlorinated Biphenyls by GC/ECD		
8082 PCB	B3K0419	11/13/2023 06:09
Semi-Volatile Organic Compounds by GC/MS		
8270C Appendix 2 (Sub)		
Subcontract - EDB/DBCP by EPA Method 524.3		
524.3 EDB, DBCP (Sub)		
Tentatively Identified Compounds (TIC) in Semi-Volatile Range by GC/MS		
8270C TIC		
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS		
8260B TIC	B3K0307	11/09/2023 08:00
8260B TIC	B3K0356	11/11/2023 08:00
Volatile Organic Compounds by EPA 524.2		
524.2 1,2,3-Trichloropropane (Sub)		
Volatile Organic Compounds by GC/MS		
8260B AppII for Full/AppI/oxy/1,4-Diox	B3K0307	11/09/2023 08:00

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Volatile Organic Compounds by GC/MS (Continued)		
8260B full/ Appendix I/oxy/1,4-dioxane	B3K0307	11/09/2023 08:00
8260B full/ Appendix I/oxy/1,4-dioxane	B3K0356	11/11/2023 08:00
Weck Laboratories, Inc.		
Chlorinated Herbicides by GC/ECD		
8151A EPA_w	W3K0991	11/13/2023 08:29
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM		
524M EPA#PT#SIM#SRL_dw 1,2,3-TCP	W3K1254	11/15/2023 07:53
524M EPA#PT#SIM#SRL_dw 1,2,3-TCP	W3K1514	11/17/2023 08:08
Organophosphorus Pesticides by EPA Method 8141		
8141A EPA_w	W3K0988	11/13/2023 08:23
Semivolatile Organic Compounds by GC/MS		
8270C EPA_w @App2	W3K0993	11/13/2023 08:32
8270C EPA_w TICs	W3K0993	11/13/2023 08:32
Volatile Organics by P&T and GC/MS		
524.3 EPA_w EDB+DBCP	W3K0979	11/13/2023 07:55
524.3 EPA_w EDB+DBCP	W3K1520	11/17/2023 08:14

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Anions by IC									
Chloride	**61**	1.0	4.0	mg/L	10	B3K0296	11/13/23 17:03	EPA 300.0	
Nitrate as N	**2.8**	0.10	0.40	"	1	"	11/09/23 02:34	"	
Sulfate	**16**	0.10	0.40	"	"	"	"	"	
Dissolved Metals by CVAA									
Mercury	ND	0.00010	0.00020	mg/L	1	B3K0602	11/17/23 14:02	EPA 245.1	
Dissolved Metals by ICP									
Sodium	**38**	0.25	0.50	mg/L	1	B3K0543	11/17/23 11:13	EPA 200.7	
Tin	ND	0.020	0.050	"	"	"	"	"	
Dissolved Metals by ICP/MS									
Antimony	ND	0.0010	0.0020	mg/L	1	B3K0346	12/05/23 16:10	EPA 200.8	
Arsenic	**0.0039**	0.0015	0.0020	"	"	"	"	"	
Barium	**0.089**	0.0010	0.0020	"	"	"	"	"	**B-02n**
Beryllium	ND	0.00050	0.0010	"	"	"	"	"	
Cadmium	ND	0.00050	0.0010	"	"	"	"	"	
Chromium	**0.0045**	0.0015	0.0030	"	"	"	"	"	
Cobalt	ND	0.00050	0.0010	"	"	"	"	"	
Copper	ND	0.0010	0.0020	"	"	"	"	"	
Lead	ND	0.00050	0.0010	"	"	"	"	"	
Magnesium	**35**	2.5	5.0	"	50	"	12/05/23 17:30	"	
Nickel	ND	0.0010	0.0020	"	1	"	12/05/23 16:10	"	
Selenium	**0.0016**	0.00070	0.0010	"	"	"	"	"	
Silver	ND	0.00050	0.0010	"	"	"	"	"	
Thallium	ND	0.00050	0.0010	"	"	"	"	"	
Vanadium	**0.016**	0.0030	0.0050	"	"	"	"	"	
Zinc	ND	0.0025	0.0050	"	"	B3L0199	12/07/23 18:01	"	

Oilfield Environmental & Compliance, Inc.

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130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
General Chemistry Parameters by EPA or APHA Standard Methods									
Chemical Oxygen Demand	ND	20	20	mg/L	1	B3K0389	11/10/23 15:48	SM 5220D	
Cyanide (total)	ND	0.010	0.040	"	"	B3K0308	11/08/23 16:40	SM 4500CN-C/E	
Total Sulfide	ND	1.0	2.0	"	"	B3K0395	11/13/23 16:09	EPA 9034	
Total Dissolved Solids	**400**	6	10	"	"	B3K0436	11/13/23 12:57	SM 2540C	

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Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS									
Acetone	ND	10	20	ug/L	1	B3K0307	11/09/23 12:35	EPA 8260B	
Acetonitrile	ND	5.0	10	"	"	"	"	"	
Acrolein	ND	5.0	10	"	"	"	"	"	
Acrylonitrile	ND	5.0	10	"	"	"	"	"	
Allyl chloride	ND	2.5	5.0	"	"	"	"	"	
t-Amyl Methyl Ether	ND	0.25	0.50	"	"	"	"	"	
Benzene	ND	0.25	0.50	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	10	"	"	"	"	"	
t-Butyl alcohol	ND	6.5	13	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
Carbon disulfide	ND	0.70	1.4	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	
Chloroprene	ND	0.50	1.0	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	5.0	10	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,1-Dichloroethene	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 12:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	
1,4-Dioxane	ND	50	100	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	
Ethyl Methacrylate	ND	0.50	1.0	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	
2-Hexanone	ND	0.25	0.50	"	"	"	"	"	
Iodomethane	ND	1.5	3.0	"	"	"	"	"	
Isobutyl alcohol	ND	10	20	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	
Methacrylonitrile	ND	2.5	5.0	"	"	"	"	"	
Methyl Methacrylate	ND	0.50	2.0	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	
Naphthalene	ND	0.80	1.6	"	"	"	"	"	
Propionitrile	ND	5.0	10	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	
Toluene	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	0.80	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	

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130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,1,2-Trichloroethane	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 12:35	EPA 8260B	
Trichloroethene (TCE)	ND	0.25	0.50	"	"	"	"	"	
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Vinyl acetate	ND	1.0	2.0	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	
Surrogate: Dibromofluoromethane			*105 %*	*(80 - 124)*		"	"	"	
Surrogate: Toluene-d8			*99 %*	*(77 - 118)*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*102 %*	*(75 - 120)*		"	"	"	
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS									
Tentatively Identified Compounds	ND	10	10	ug/L	1	B3K0307	11/09/23 12:35	EPA 8260B TIC	

Oilfield Environmental & Compliance, Inc.

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130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Organochlorine Pesticides by GC/ECD/ECD									
alpha-BHC	ND	0.068	0.097	ug/L	1	B3K0419	11/17/23 04:00	EPA 8081A	
alpha-Chlordane	ND	0.048	0.097	"	"	"	"	"	
Aldrin	ND	0.058	0.097	"	"	"	"	"	
beta-BHC	ND	0.048	0.097	"	"	"	"	"	
delta-BHC	ND	0.058	0.097	"	"	"	"	"	
4,4´-DDD	ND	0.048	0.097	"	"	"	"	"	
4,4´-DDE	ND	0.058	0.097	"	"	"	"	"	
4,4´-DDT	ND	0.048	0.097	"	"	"	"	"	
Dieldrin	ND	0.058	0.097	"	"	"	"	"	
Endosulfan I	ND	0.048	0.097	"	"	"	"	"	
Endosulfan II	ND	0.048	0.097	"	"	"	"	"	
Endosulfan sulfate	ND	0.048	0.097	"	"	"	"	"	
Endrin	ND	0.048	0.097	"	"	"	"	"	
Endrin aldehyde	ND	0.048	0.097	"	"	"	"	"	
Endrin ketone	ND	0.048	0.097	"	"	"	"	"	
gamma-BHC	ND	0.058	0.097	"	"	"	"	"	
gamma-Chlordane	ND	0.048	0.097	"	"	"	"	"	
Heptachlor	ND	0.068	0.097	"	"	"	"	"	
Heptachlor epoxide	ND	0.058	0.097	"	"	"	"	"	
Methoxychlor	ND	0.058	0.097	"	"	"	"	"	
Chlordane (tech)	ND	0.29	0.48	"	"	"	"	"	
Toxaphene	ND	0.19	0.48	"	"	"	"	"	
Surrogate: Decachlorobiphenyl			*99 %*	*(30 - 167)*		"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*79 %*	*(10 - 125)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polychlorinated Biphenyls by GC/ECD									
PCB-1016	ND	0.34	0.48	ug/L	1	B3K0419	11/21/23 18:11	EPA 8082	
PCB-1221	ND	0.34	0.48	"	"	"	"	"	
PCB-1232	ND	0.34	0.48	"	"	"	"	"	
PCB-1242	ND	0.34	0.48	"	"	"	"	"	
PCB-1248	ND	0.34	0.48	"	"	"	"	"	
PCB-1254	ND	0.34	0.48	"	"	"	"	"	
PCB-1260	ND	0.34	0.48	"	"	"	"	"	
Surrogate: Decachlorobiphenyl			*88 %*	*(30 - 167)*		"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*62 %*	*(10 - 125)*		"	"	"	

Weck Laboratories, Inc.

Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM									
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	W3K1254	11/15/23 23:44	SRL 524M-TCP	
Chlorinated Herbicides by GC/ECD									
2,4-D	ND	0.34	0.50	ug/l	1	W3K0991	12/10/23 18:30	EPA 8151A	
2,4-DB	ND	0.99	2.5	"	"	"	"	"	
2,4,5-T	ND	0.14	0.25	"	"	"	"	"	
2,4,5-TP (Silvex)	ND	0.14	0.25	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.28	1.2	"	"	"	"	"	
4-Nitrophenol	ND	0.50	1.2	"	"	"	"	"	
Acifluorfen	ND	0.24	0.50	"	"	"	"	"	
Bentazon	ND	0.55	2.5	"	"	"	"	"	
Dalapon	ND	0.16	0.50	"	"	"	"	"	
Dicamba	ND	0.19	0.75	"	"	"	"	"	
Dichloroprop	ND	0.24	1.0	"	"	"	"	"	
Dinoseb	ND	0.090	0.50	"	"	"	"	"	
DCPA	ND	0.20	0.25	"	"	"	"	"	
MCPA	ND	40	100	"	"	"	"	"	
MCPP	ND	27	100	"	"	"	"	"	
Pentachlorophenol	ND	0.18	0.25	"	"	"	"	"	
Picloram	ND	0.13	0.75	"	"	"	"	"	
Surrogate: 2,4-DCAA			*101 %*	*(56 - 156)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Organophosphorus Pesticides by EPA Method 8141									
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l	1	W3K0988	11/16/23 22:42	EPA 8141A	
Bolstar	ND	0.022	0.10	"	"	"	"	"	
Chlorpyrifos	ND	0.021	0.10	"	"	"	"	"	
Coumaphos	ND	0.021	0.10	"	"	"	"	"	
Total Demeton, -o and -s	ND		0.20	"	"	"	"	"	
Demeton-o	ND	0.078	0.10	"	"	"	"	"	
Demeton-s	ND	0.029	0.10	"	"	"	"	"	
Diazinon	ND	0.037	0.10	"	"	"	"	"	
Dichlorvos	ND	0.043	0.10	"	"	"	"	"	
Dimethoate	ND	0.064	0.25	"	"	"	"	"	
Disulfoton	ND	0.019	0.10	"	"	"	"	"	
Ethoprop	ND	0.021	0.10	"	"	"	"	"	
Ethyl parathion	ND	0.034	0.25	"	"	"	"	"	
Fensulfothion	ND	0.080	0.10	"	"	"	"	"	
Fenthion	ND	0.038	0.10	"	"	"	"	"	
Malathion	ND	0.040	0.25	"	"	"	"	"	
Merphos	ND	0.050	0.10	"	"	"	"	"	
Methyl parathion	ND	0.026	0.10	"	"	"	"	"	
Mevinphos	ND	0.035	0.10	"	"	"	"	"	
Naled	ND	0.10	0.10	"	"	"	"	"	R-01
Phorate	ND	0.019	0.10	"	"	"	"	"	
Ronnel	ND	0.018	0.10	"	"	"	"	"	
Stirophos	ND	0.024	0.10	"	"	"	"	"	
Thionazin	ND	0.049	0.25	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	0.020	0.10	"	"	"	"	"	
Trichloronate	ND	0.020	0.10	"	"	"	"	"	
Total Parathion, ethyl & methyl	ND		0.35	"	"	"	"	"	
Surrogate: Triphenyl phosphate			*87 %*	*(10 - 181)*		"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS									
N-Nitrosodimethylamine	ND	0.43	1.0	ug/l	1	W3K0993	11/21/23 06:24	EPA 8270C	
Tentatively Identified Compounds	ND			"	"	"	"	EPA 8270C-TICs	
Pyridine	ND	2.1	5.0	"	"	"	"	EPA 8270C	
Phenol	ND	0.16	1.0	"	"	"	"	"	
Aniline	ND	0.32	1.0	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.27	1.0	"	"	"	"	"	
2-Chlorophenol	ND	0.28	1.0	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.53	1.0	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.55	1.0	"	"	"	"	"	
Benzyl alcohol	ND	0.26	1.0	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.57	1.0	"	"	"	"	"	
2-Methylphenol	ND	0.42	1.0	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	"	"	"	"	"	
3 & 4-Methylphenol	ND	0.22	1.0	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	"	"	"	"	"	
Hexachloroethane	ND	0.52	1.0	"	"	"	"	"	
Nitrobenzene	ND	0.36	1.0	"	"	"	"	"	
Isophorone	ND	0.50	1.0	"	"	"	"	"	
2-Nitrophenol	ND	0.26	1.0	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.89	1.0	"	"	"	"	"	
Benzoic acid	ND	17	100	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.26	1.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.55	1.0	"	"	"	"	"	
Naphthalene	ND	0.49	1.0	"	"	"	"	"	
4-Chloroaniline	ND	0.19	1.0	"	"	"	"	"	
Hexachlorobutadiene	ND	0.47	1.0	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.23	1.0	"	"	"	"	"	
2-Methylnaphthalene	ND	0.49	1.0	"	"	"	"	"	
2-Acetylaminofluorene	ND	1.9	10	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1.5	5.0	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.22	1.0	"	"	"	"	"	
3,3'- Dimethylbenzidine	ND	6.2	10	"	"	"	"	"	
2-Chloronaphthalene	ND	0.45	1.0	"	"	"	"	"	
2-Nitroaniline	ND	0.61	1.0	"	"	"	"	"	
Dimethyl phthalate	ND	0.45	1.0	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.26	1.0	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Acenaphthylene	ND	0.43	1.0	ug/l	1	W3K0993	11/21/23 06:24	EPA 8270C	
3-Nitroaniline	ND	0.66	1.0	"	"	"	"	"	
Acenaphthene	ND	0.38	1.0	"	"	"	"	"	
2,4-Dinitrophenol	ND	3.4	10	"	"	"	"	"	
4-Nitrophenol	ND	1.2	5.0	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.61	1.0	"	"	"	"	"	
Dibenzofuran	ND	0.37	1.0	"	"	"	"	"	
Diethyl phthalate	ND	0.43	1.0	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	"	"	"	"	"	
Fluorene	ND	0.35	1.0	"	"	"	"	"	
4-Nitroaniline	ND	0.44	1.0	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	"	"	"	"	"	
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	"	"	"	"	"	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.36	1.0	"	"	"	"	"	
Hexachlorobenzene	ND	0.49	1.0	"	"	"	"	"	
Pentachlorophenol	ND	0.38	1.0	"	"	"	"	"	
Phenanthrene	ND	0.32	1.0	"	"	"	"	"	
Anthracene	ND	0.21	1.0	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.56	1.0	"	"	"	"	"	
Benzidine	ND	3.9	10	"	"	"	"	"	
Fluoranthene	ND	0.21	1.0	"	"	"	"	"	
Pyrene	ND	0.25	1.0	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.68	1.0	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	3.3	5.0	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	"	"	"	"	"	
Benzo (a) anthracene	ND	0.40	1.0	"	"	"	"	"	
Chrysene	ND	0.39	1.0	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.41	1.0	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.40	1.0	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.63	1.0	"	"	"	"	"	
Benzo (a) pyrene	ND	0.36	1.0	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	0.56	2.0	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.35	2.0	"	"	"	"	"	
1,3-Dinitrobenzene	ND	0.21	1.0	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS (Continued)									
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	ug/l	1	W3K0993	11/21/23 06:24	EPA 8270C	
1-Methylnaphthalene	ND	0.47	1.0	"	"	"	"	"	
1,4-Naphthoquinone	ND	3.7	10	"	"	"	"	"	
1-Naphthylamine	ND	3.7	10	"	"	"	"	"	
1,4-Phenylenediamine	ND	2.3	10	"	"	"	"	"	
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	"	"	"	"	"	
1,3,5-Trinitrobenzene	ND	3.9	10	"	"	"	"	"	
2-Naphthylamine	ND	3.2	10	"	"	"	"	"	
2,6-Dichlorophenol	ND	3.6	10	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.47	1.0	"	"	"	"	"	
3-Methylcholanthrene	ND	3.7	10	"	"	"	"	"	
4-Aminobiphenyl	ND	4.9	10	"	"	"	"	"	
4-Nitroquinoline-n-oxide	ND	3.8	50	"	"	"	"	"	
5-Nitro-o-toluidine	ND	4.4	10	"	"	"	"	"	
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	"	"	"	"	"	
Acetophenone	ND	3.3	10	"	"	"	"	"	
a,a-Dimethylphenethylamine	ND	5.0	10	"	"	"	"	"	
Chlorobenzilate	ND	4.8	10	"	"	"	"	"	
Diallate (cis or trans)	ND	4.0	10	"	"	"	"	"	
Dimethoate	ND	6.1	10	"	"	"	"	"	
Dimethylaminoazobenzene	ND	3.3	10	"	"	"	"	"	
N-Nitrosomorpholine	ND	1.8	10	"	"	"	"	"	
Disulfoton	ND	2.9	10	"	"	"	"	"	
N-Nitrosopyrrolidine	ND	6.0	10	"	"	"	"	"	
Ethyl methanesulfonate	ND	6.0	10	"	"	"	"	"	
Famphur	ND	2.4	10	"	"	"	"	"	
Hexachloropropene	ND	3.9	10	"	"	"	"	"	
Isodrin	ND	3.8	10	"	"	"	"	"	
Isosafrole	ND	3.8	10	"	"	"	"	"	
Methapyrilene	ND	5.8	50	"	"	"	"	"	
Methyl methanesulfonate	ND	2.1	10	"	"	"	"	"	
Methyl parathion	ND	3.8	10	"	"	"	"	"	
N-Nitrosodi-n-butylamine	ND	3.0	10	"	"	"	"	"	
Pentachlorobenzene	ND	3.7	10	"	"	"	"	"	
N-Nitrosodiethylamine	ND	1.5	10	"	"	"	"	"	
Phenacetin	ND	3.6	10	"	"	"	"	"	
N-Nitrosomethylethylamine	ND	1.3	10	"	"	"	"	"	

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS (Continued)									
N-Nitrosopiperidine	ND	1.5	10	ug/l	1	W3K0993	11/21/23 06:24	EPA 8270C	
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	"	"	"	"	"	
Phorate	ND	4.6	10	"	"	"	"	"	
o,o,o-Triethyl phosphorothioate	ND	3.0	10	"	"	"	"	"	
Pronamide	ND	3.8	10	"	"	"	"	"	
o-Toluidine	ND	4.8	10	"	"	"	"	"	
Safrole	ND	3.4	10	"	"	"	"	"	
Parathion	ND	2.9	10	"	"	"	"	"	
Pentachloronitrobenzene (PCNB)	ND	3.7	10	"	"	"	"	"	
4,4´-DDE	ND	2.1	5.0	"	"	"	"	"	
4,4´-DDD	ND	3.0	5.0	"	"	"	"	"	
4,4´-DDT	ND	2.9	5.0	"	"	"	"	"	
alpha-BHC	ND	1.3	5.0	"	"	"	"	"	
Aldrin	ND	4.7	5.0	"	"	"	"	"	
beta-BHC	ND	1.4	5.0	"	"	"	"	"	
Methoxychlor	ND	3.7	5.0	"	"	"	"	"	
delta-BHC	ND	1.3	5.0	"	"	"	"	"	
Dieldrin	ND	3.7	5.0	"	"	"	"	"	
Endosulfan I	ND	3.2	10	"	"	"	"	"	
Endrin	ND	1.4	5.0	"	"	"	"	"	
Endosulfan II	ND	1.4	10	"	"	"	"	"	
Endosulfan sulfate	ND	1.5	5.0	"	"	"	"	"	
Endrin aldehyde	ND	3.8	5.0	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	
Heptachlor	ND	4.5	5.0	"	"	"	"	"	
Heptachlor epoxide	ND	1.4	5.0	"	"	"	"	"	
Kepone	ND	2.1	50	"	"	"	"	"	
Surrogate: 2-Fluorophenol			*56 %*	*(30 - 100)*		"	"	"	
Surrogate: Nitrobenzene-d5			*95 %*	*(39 - 130)*		"	"	"	
Surrogate: Phenol-d5			*36 %*	*(18 - 100)*		"	"	"	
Surrogate: 2-Fluorobiphenyl			*87 %*	*(43 - 120)*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			*88 %*	*(48 - 130)*		"	"	"	
Surrogate: Terphenyl-d14			*107 %*	*(53 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-231107**
Matrix : Water
Lab ID : 2308807-01

Sampled : 11/07/23 09:15
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organics by P&T and GC/MS									
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	W3K0979	11/15/23 13:42	EPA 524.3	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*105 %*	*(70 - 130)*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			*96 %*	*(70 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Oilfield Environmental & Compliance, Inc.									
Anions by IC									
Chloride	**61**	1.0	4.0	mg/L	10	B3K0296	11/13/23 17:19	EPA 300.0	
Nitrate as N	**2.8**	0.10	0.40	"	1	"	11/09/23 02:50	"	
Sulfate	**16**	0.10	0.40	"	"	"	"	"	
Dissolved Metals by CVAA									
Mercury	ND	0.00010	0.00020	mg/L	1	B3K0602	11/17/23 14:04	EPA 245.1	
Dissolved Metals by ICP									
Sodium	**40**	0.25	0.50	mg/L	1	B3K0543	11/17/23 11:16	EPA 200.7	
Tin	ND	0.020	0.050	"	"	"	"	"	
Dissolved Metals by ICP/MS									
Antimony	ND	0.0010	0.0020	mg/L	1	B3K0346	12/05/23 16:05	EPA 200.8	
Arsenic	**0.0038**	0.0015	0.0020	"	"	"	"	"	
Barium	**0.084**	0.0010	0.0020	"	"	"	"	"	**B-02n**
Beryllium	ND	0.00050	0.0010	"	"	"	"	"	
Cadmium	ND	0.00050	0.0010	"	"	"	"	"	
Chromium	**0.0043**	0.0015	0.0030	"	"	"	"	"	
Cobalt	ND	0.00050	0.0010	"	"	"	"	"	
Copper	ND	0.0010	0.0020	"	"	"	"	"	
Lead	ND	0.00050	0.0010	"	"	"	"	"	
Magnesium	**33**	2.5	5.0	"	50	"	12/05/23 17:35	"	
Nickel	ND	0.0010	0.0020	"	1	"	12/05/23 16:05	"	
Selenium	**0.0016**	0.00070	0.0010	"	"	"	"	"	
Silver	ND	0.00050	0.0010	"	"	"	"	"	
Thallium	ND	0.00050	0.0010	"	"	"	"	"	
Vanadium	**0.015**	0.0030	0.0050	"	"	"	"	"	
Zinc	ND	0.0025	0.0050	"	"	B3L0199	12/07/23 18:32	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
General Chemistry Parameters by EPA or APHA Standard Methods									
Chemical Oxygen Demand	ND	20	20	mg/L	1	B3K0389	11/10/23 15:48	SM 5220D	
Cyanide (total)	ND	0.010	0.040	"	"	B3K0308	11/08/23 16:40	SM 4500CN-C/E	
Total Sulfide	ND	1.0	2.0	"	"	B3K0395	11/13/23 16:09	EPA 9034	
Total Dissolved Solids	**430**	6	10	"	"	B3K0436	11/13/23 12:57	SM 2540C	

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS									
Acetone	ND	10	20	ug/L	1	B3K0307	11/09/23 13:01	EPA 8260B	
Acetonitrile	ND	5.0	10	"	"	"	"	"	
Acrolein	ND	5.0	10	"	"	"	"	"	
Acrylonitrile	ND	5.0	10	"	"	"	"	"	
Allyl chloride	ND	2.5	5.0	"	"	"	"	"	
t-Amyl Methyl Ether	ND	0.25	0.50	"	"	"	"	"	
Benzene	ND	0.25	0.50	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	10	"	"	"	"	"	
t-Butyl alcohol	ND	6.5	13	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
Carbon disulfide	ND	0.70	1.4	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	
Chloroprene	ND	0.50	1.0	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	5.0	10	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	
1,1-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
1,1-Dichloroethene	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 13:01	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	
1,4-Dioxane	ND	50	100	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	
Ethyl Methacrylate	ND	0.50	1.0	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	
2-Hexanone	ND	0.25	0.50	"	"	"	"	"	
Iodomethane	ND	1.5	3.0	"	"	"	"	"	
Isobutyl alcohol	ND	10	20	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	
Methacrylonitrile	ND	2.5	5.0	"	"	"	"	"	
Methyl Methacrylate	ND	0.50	2.0	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	
Naphthalene	ND	0.80	1.6	"	"	"	"	"	
Propionitrile	ND	5.0	10	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	
Toluene	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	0.80	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,1,2-Trichloroethane	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 13:01	EPA 8260B	
Trichloroethene (TCE)	ND	0.25	0.50	"	"	"	"	"	
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Vinyl acetate	ND	1.0	2.0	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	
Surrogate: Dibromofluoromethane			*105 %*	*(80 - 124)*		"	"	"	
Surrogate: Toluene-d8			*98 %*	*(77 - 118)*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*103 %*	*(75 - 120)*		"	"	"	
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS									
Tentatively Identified Compounds	ND	10	10	ug/L	1	B3K0307	11/09/23 13:01	EPA 8260B TIC	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Organochlorine Pesticides by GC/ECD/ECD									
alpha-BHC	ND	0.068	0.097	ug/L	1	B3K0419	11/17/23 04:13	EPA 8081A	
alpha-Chlordane	ND	0.048	0.097	"	"	"	"	"	
Aldrin	ND	0.058	0.097	"	"	"	"	"	
beta-BHC	ND	0.048	0.097	"	"	"	"	"	
delta-BHC	ND	0.058	0.097	"	"	"	"	"	
4,4´-DDD	ND	0.048	0.097	"	"	"	"	"	
4,4´-DDE	ND	0.058	0.097	"	"	"	"	"	
4,4´-DDT	ND	0.048	0.097	"	"	"	"	"	
Dieldrin	ND	0.058	0.097	"	"	"	"	"	
Endosulfan I	ND	0.048	0.097	"	"	"	"	"	
Endosulfan II	ND	0.048	0.097	"	"	"	"	"	
Endosulfan sulfate	ND	0.048	0.097	"	"	"	"	"	
Endrin	ND	0.048	0.097	"	"	"	"	"	
Endrin aldehyde	ND	0.048	0.097	"	"	"	"	"	
Endrin ketone	ND	0.048	0.097	"	"	"	"	"	
gamma-BHC	ND	0.058	0.097	"	"	"	"	"	
gamma-Chlordane	ND	0.048	0.097	"	"	"	"	"	
Heptachlor	ND	0.068	0.097	"	"	"	"	"	
Heptachlor epoxide	ND	0.058	0.097	"	"	"	"	"	
Methoxychlor	ND	0.058	0.097	"	"	"	"	"	
Chlordane (tech)	ND	0.29	0.48	"	"	"	"	"	
Toxaphene	ND	0.19	0.48	"	"	"	"	"	
Surrogate: Decachlorobiphenyl			*101 %*	*(30 - 167)*		"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*80 %*	*(10 - 125)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polychlorinated Biphenyls by GC/ECD									
PCB-1016	ND	0.34	0.48	ug/L	1	B3K0419	11/21/23 18:11	EPA 8082	
PCB-1221	ND	0.34	0.48	"	"	"	"	"	
PCB-1232	ND	0.34	0.48	"	"	"	"	"	
PCB-1242	ND	0.34	0.48	"	"	"	"	"	
PCB-1248	ND	0.34	0.48	"	"	"	"	"	
PCB-1254	ND	0.34	0.48	"	"	"	"	"	
PCB-1260	ND	0.34	0.48	"	"	"	"	"	
Surrogate: Decachlorobiphenyl			*88 %*	*(30 - 167)*		"	"	"	
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*66 %*	*(10 - 125)*		"	"	"	

Weck Laboratories, Inc.

Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM									
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	W3K1254	11/16/23 00:12	SRL 524M-TCP	
Chlorinated Herbicides by GC/ECD									
2,4-D	ND	0.34	0.50	ug/l	1	W3K0991	12/10/23 19:01	EPA 8151A	
2,4-DB	ND	0.99	2.5	"	"	"	"	"	
2,4,5-T	ND	0.14	0.25	"	"	"	"	"	
2,4,5-TP (Silvex)	ND	0.14	0.25	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.28	1.2	"	"	"	"	"	
4-Nitrophenol	ND	0.50	1.2	"	"	"	"	"	
Acifluorfen	ND	0.24	0.50	"	"	"	"	"	
Bentazon	ND	0.55	2.5	"	"	"	"	"	
Dalapon	ND	0.16	0.50	"	"	"	"	"	
Dicamba	ND	0.19	0.75	"	"	"	"	"	
Dichloroprop	ND	0.24	1.0	"	"	"	"	"	
Dinoseb	ND	0.090	0.50	"	"	"	"	"	
DCPA	ND	0.20	0.25	"	"	"	"	"	
MCPA	ND	40	100	"	"	"	"	"	
MCPP	ND	27	100	"	"	"	"	"	
Pentachlorophenol	ND	0.18	0.25	"	"	"	"	"	
Picloram	ND	0.13	0.75	"	"	"	"	"	
Surrogate: 2,4-DCAA			*111 %*	*(56 - 156)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Organophosphorus Pesticides by EPA Method 8141									
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l	1	W3K0988	11/16/23 23:22	EPA 8141A	
Bolstar	ND	0.022	0.10	"	"	"	"	"	
Chlorpyrifos	ND	0.021	0.10	"	"	"	"	"	
Coumaphos	ND	0.021	0.10	"	"	"	"	"	
Total Demeton, -o and -s	ND		0.20	"	"	"	"	"	
Demeton-o	ND	0.078	0.10	"	"	"	"	"	
Demeton-s	ND	0.029	0.10	"	"	"	"	"	
Diazinon	ND	0.037	0.10	"	"	"	"	"	
Dichlorvos	ND	0.043	0.10	"	"	"	"	"	
Dimethoate	ND	0.064	0.25	"	"	"	"	"	
Disulfoton	ND	0.019	0.10	"	"	"	"	"	
Ethoprop	ND	0.021	0.10	"	"	"	"	"	
Ethyl parathion	ND	0.034	0.25	"	"	"	"	"	
Fensulfothion	ND	0.080	0.10	"	"	"	"	"	
Fenthion	ND	0.038	0.10	"	"	"	"	"	
Malathion	ND	0.040	0.25	"	"	"	"	"	
Merphos	ND	0.050	0.10	"	"	"	"	"	
Methyl parathion	ND	0.026	0.10	"	"	"	"	"	
Mevinphos	ND	0.035	0.10	"	"	"	"	"	
Naled	ND	0.10	0.10	"	"	"	"	"	R-01
Phorate	ND	0.019	0.10	"	"	"	"	"	
Ronnel	ND	0.018	0.10	"	"	"	"	"	
Stirophos	ND	0.024	0.10	"	"	"	"	"	
Thionazin	ND	0.049	0.25	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	0.020	0.10	"	"	"	"	"	
Trichloronate	ND	0.020	0.10	"	"	"	"	"	
Total Parathion, ethyl & methyl	ND		0.35	"	"	"	"	"	
Surrogate: Triphenyl phosphate			*87 %*	*(10 - 181)*		"	"	"	

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS									
N-Nitrosodimethylamine	ND	0.43	1.0	ug/l	1	W3K0993	11/21/23 06:54	EPA 8270C	
Tentatively Identified Compounds	ND			"	"	"	"	EPA 8270C-TICs	
Pyridine	ND	2.1	5.0	"	"	"	"	EPA 8270C	
Phenol	ND	0.16	1.0	"	"	"	"	"	
Aniline	ND	0.32	1.0	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.27	1.0	"	"	"	"	"	
2-Chlorophenol	ND	0.28	1.0	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.53	1.0	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.55	1.0	"	"	"	"	"	
Benzyl alcohol	ND	0.26	1.0	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.57	1.0	"	"	"	"	"	
2-Methylphenol	ND	0.42	1.0	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	"	"	"	"	"	
3 & 4-Methylphenol	ND	0.22	1.0	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	"	"	"	"	"	
Hexachloroethane	ND	0.52	1.0	"	"	"	"	"	
Nitrobenzene	ND	0.36	1.0	"	"	"	"	"	
Isophorone	ND	0.50	1.0	"	"	"	"	"	
2-Nitrophenol	ND	0.26	1.0	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.89	1.0	"	"	"	"	"	
Benzoic acid	ND	17	100	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.26	1.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.55	1.0	"	"	"	"	"	
Naphthalene	ND	0.49	1.0	"	"	"	"	"	
4-Chloroaniline	ND	0.19	1.0	"	"	"	"	"	
Hexachlorobutadiene	ND	0.47	1.0	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.23	1.0	"	"	"	"	"	
2-Methylnaphthalene	ND	0.49	1.0	"	"	"	"	"	
2-Acetylaminofluorene	ND	1.9	10	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1.5	5.0	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.22	1.0	"	"	"	"	"	
3,3'- Dimethylbenzidine	ND	6.2	10	"	"	"	"	"	
2-Chloronaphthalene	ND	0.45	1.0	"	"	"	"	"	
2-Nitroaniline	ND	0.61	1.0	"	"	"	"	"	
Dimethyl phthalate	ND	0.45	1.0	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.26	1.0	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Acenaphthylene	ND	0.43	1.0	ug/l	1	W3K0993	11/21/23 06:54	EPA 8270C	
3-Nitroaniline	ND	0.66	1.0	"	"	"	"	"	
Acenaphthene	ND	0.38	1.0	"	"	"	"	"	
2,4-Dinitrophenol	ND	3.4	10	"	"	"	"	"	
4-Nitrophenol	ND	1.2	5.0	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.61	1.0	"	"	"	"	"	
Dibenzofuran	ND	0.37	1.0	"	"	"	"	"	
Diethyl phthalate	ND	0.43	1.0	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	"	"	"	"	"	
Fluorene	ND	0.35	1.0	"	"	"	"	"	
4-Nitroaniline	ND	0.44	1.0	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	"	"	"	"	"	
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	"	"	"	"	"	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.36	1.0	"	"	"	"	"	
Hexachlorobenzene	ND	0.49	1.0	"	"	"	"	"	
Pentachlorophenol	ND	0.38	1.0	"	"	"	"	"	
Phenanthrene	ND	0.32	1.0	"	"	"	"	"	
Anthracene	ND	0.21	1.0	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.56	1.0	"	"	"	"	"	
Benzidine	ND	3.9	10	"	"	"	"	"	
Fluoranthene	ND	0.21	1.0	"	"	"	"	"	
Pyrene	ND	0.25	1.0	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.68	1.0	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	3.3	5.0	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	"	"	"	"	"	
Benzo (a) anthracene	ND	0.40	1.0	"	"	"	"	"	
Chrysene	ND	0.39	1.0	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.41	1.0	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.40	1.0	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.63	1.0	"	"	"	"	"	
Benzo (a) pyrene	ND	0.36	1.0	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	0.56	2.0	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.35	2.0	"	"	"	"	"	
1,3-Dinitrobenzene	ND	0.21	1.0	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS (Continued)									
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	ug/l	1	W3K0993	11/21/23 06:54	EPA 8270C	
1-Methylnaphthalene	ND	0.47	1.0	"	"	"	"	"	
1,4-Naphthoquinone	ND	3.7	10	"	"	"	"	"	
1-Naphthylamine	ND	3.7	10	"	"	"	"	"	
1,4-Phenylenediamine	ND	2.3	10	"	"	"	"	"	
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	"	"	"	"	"	
1,3,5-Trinitrobenzene	ND	3.9	10	"	"	"	"	"	
2-Naphthylamine	ND	3.2	10	"	"	"	"	"	
2,6-Dichlorophenol	ND	3.6	10	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.47	1.0	"	"	"	"	"	
3-Methylcholanthrene	ND	3.7	10	"	"	"	"	"	
4-Aminobiphenyl	ND	4.9	10	"	"	"	"	"	
4-Nitroquinoline-n-oxide	ND	3.8	50	"	"	"	"	"	
5-Nitro-o-toluidine	ND	4.4	10	"	"	"	"	"	
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	"	"	"	"	"	
Acetophenone	ND	3.3	10	"	"	"	"	"	
a,a-Dimethylphenethylamine	ND	5.0	10	"	"	"	"	"	
Chlorobenzilate	ND	4.8	10	"	"	"	"	"	
Diallate (cis or trans)	ND	4.0	10	"	"	"	"	"	
Dimethoate	ND	6.1	10	"	"	"	"	"	
Dimethylaminoazobenzene	ND	3.3	10	"	"	"	"	"	
N-Nitrosomorpholine	ND	1.8	10	"	"	"	"	"	
Disulfoton	ND	2.9	10	"	"	"	"	"	
N-Nitrosopyrrolidine	ND	6.0	10	"	"	"	"	"	
Ethyl methanesulfonate	ND	6.0	10	"	"	"	"	"	
Famphur	ND	2.4	10	"	"	"	"	"	
Hexachloropropene	ND	3.9	10	"	"	"	"	"	
Isodrin	ND	3.8	10	"	"	"	"	"	
Isosafrole	ND	3.8	10	"	"	"	"	"	
Methapyrilene	ND	5.8	50	"	"	"	"	"	
Methyl methanesulfonate	ND	2.1	10	"	"	"	"	"	
Methyl parathion	ND	3.8	10	"	"	"	"	"	
N-Nitrosodi-n-butylamine	ND	3.0	10	"	"	"	"	"	
Pentachlorobenzene	ND	3.7	10	"	"	"	"	"	
N-Nitrosodiethylamine	ND	1.5	10	"	"	"	"	"	
Phenacetin	ND	3.6	10	"	"	"	"	"	
N-Nitrosomethylethylamine	ND	1.3	10	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Semivolatile Organic Compounds by GC/MS (Continued)									
N-Nitrosopiperidine	ND	1.5	10	ug/l	1	W3K0993	11/21/23 06:54	EPA 8270C	
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	"	"	"	"	"	
Phorate	ND	4.6	10	"	"	"	"	"	
o,o,o-Triethyl phosphorothioate	ND	3.0	10	"	"	"	"	"	
Pronamide	ND	3.8	10	"	"	"	"	"	
o-Toluidine	ND	4.8	10	"	"	"	"	"	
Safrole	ND	3.4	10	"	"	"	"	"	
Parathion	ND	2.9	10	"	"	"	"	"	
Pentachloronitrobenzene (PCNB)	ND	3.7	10	"	"	"	"	"	
4,4´-DDE	ND	2.1	5.0	"	"	"	"	"	
4,4´-DDD	ND	3.0	5.0	"	"	"	"	"	
4,4´-DDT	ND	2.9	5.0	"	"	"	"	"	
alpha-BHC	ND	1.3	5.0	"	"	"	"	"	
Aldrin	ND	4.7	5.0	"	"	"	"	"	
beta-BHC	ND	1.4	5.0	"	"	"	"	"	
Methoxychlor	ND	3.7	5.0	"	"	"	"	"	
delta-BHC	ND	1.3	5.0	"	"	"	"	"	
Dieldrin	ND	3.7	5.0	"	"	"	"	"	
Endosulfan I	ND	3.2	10	"	"	"	"	"	
Endrin	ND	1.4	5.0	"	"	"	"	"	
Endosulfan II	ND	1.4	10	"	"	"	"	"	
Endosulfan sulfate	ND	1.5	5.0	"	"	"	"	"	
Endrin aldehyde	ND	3.8	5.0	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.4	5.0	"	"	"	"	"	
Heptachlor	ND	4.5	5.0	"	"	"	"	"	
Heptachlor epoxide	ND	1.4	5.0	"	"	"	"	"	
Kepone	ND	2.1	50	"	"	"	"	"	
Surrogate: 2-Fluorophenol			*57 %*	*(30 - 100)*		"	"	"	
Surrogate: Nitrobenzene-d5			*94 %*	*(39 - 130)*		"	"	"	
Surrogate: Phenol-d5			*37 %*	*(18 - 100)*		"	"	"	
Surrogate: 2-Fluorobiphenyl			*84 %*	*(43 - 120)*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			*88 %*	*(48 - 130)*		"	"	"	
Surrogate: Terphenyl-d14			*103 %*	*(53 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-MW3-DUP-231107**
Matrix : Water
Lab ID : 2308807-02

Sampled : 11/07/23 09:25
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organics by P&T and GC/MS									
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	W3K0979	11/15/23 14:09	EPA 524.3	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*105 %*	*(70 - 130)*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			*96 %*	*(70 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCEB-231107**
Matrix : Water
Lab ID : 2308807-03

Sampled : 11/07/23 09:50
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes

Oilfield Environmental & Compliance, Inc.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCEB-231107**
Matrix : Water
Lab ID : 2308807-03

Sampled : 11/07/23 09:50
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes

Oilfield Environmental & Compliance, Inc.

Volatile Organic Compounds by GC/MS

Acetone	ND	10	20	ug/L	1	B3K0307	11/09/23 11:44	EPA 8260B	
Acetonitrile	ND	5.0	10	"	"	"	"	"	
Acrolein	ND	5.0	10	"	"	"	"	"	
Acrylonitrile	ND	5.0	10	"	"	"	"	"	
Allyl chloride	ND	2.5	5.0	"	"	"	"	"	
t-Amyl Methyl Ether	ND	0.25	0.50	"	"	"	"	"	
Benzene	ND	0.25	0.50	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	10	"	"	"	"	"	
t-Butyl alcohol	ND	6.5	13	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
Carbon disulfide	ND	0.70	1.4	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	
Chloroprene	ND	0.50	1.0	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	5.0	10	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCEB-231107**
Matrix : Water
Lab ID : 2308807-03

Sampled : 11/07/23 09:50
Sampled by : Nara Tep
Field Data : NA

Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
1,1-Dichloroethane	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 11:44	EPA 8260B	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	
1,4-Dioxane	ND	50	100	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	
Ethyl Methacrylate	ND	0.50	1.0	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	
2-Hexanone	ND	0.25	0.50	"	"	"	"	"	
Iodomethane	ND	1.5	3.0	"	"	"	"	"	
Isobutyl alcohol	ND	10	20	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	
Methacrylonitrile	ND	2.5	5.0	"	"	"	"	"	
Methyl Methacrylate	ND	0.50	2.0	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	
Naphthalene	ND	0.80	1.6	"	"	"	"	"	
Propionitrile	ND	5.0	10	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	
Toluene	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	0.80	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCEB-231107**
Matrix : Water
Lab ID : 2308807-03

Sampled : 11/07/23 09:50
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,2,4-Trichlorobenzene	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 11:44	EPA 8260B	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.25	0.50	"	"	"	"	"	
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Vinyl acetate	ND	1.0	2.0	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	
Surrogate: Dibromofluoromethane			*105 %*	*(80 - 124)*		"	"	"	
Surrogate: Toluene-d8			*96 %*	*(77 - 118)*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*101 %*	*(75 - 120)*		"	"	"	
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS									
Tentatively Identified Compounds	ND	10	10	ug/L	1	B3K0307	11/09/23 11:44	EPA 8260B TIC	

Weck Laboratories, Inc.

Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM									
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	W3K1254	11/16/23 00:40	SRL 524M-TCP	
Volatile Organics by P&T and GC/MS									
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	W3K0979	11/15/23 14:37	EPA 524.3	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*106 %*	*(70 - 130)*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			*97 %*	*(70 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCTB-231107**
Matrix : Water
Lab ID : 2308807-04

Sampled : 11/07/23 07:00
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes

Oilfield Environmental & Compliance, Inc.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCTB-231107**
Matrix : Water
Lab ID : 2308807-04

Sampled : 11/07/23 07:00
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes

Oilfield Environmental & Compliance, Inc.

Volatile Organic Compounds by GC/MS

Acetone	ND	10	20	ug/L	1	B3K0307	11/09/23 12:10	EPA 8260B	
Acetonitrile	ND	5.0	10	"	"	"	"	"	
Acrolein	ND	5.0	10	"	"	"	"	"	
Acrylonitrile	ND	5.0	10	"	"	"	"	"	
Allyl chloride	ND	2.5	5.0	"	"	"	"	"	
t-Amyl Methyl Ether	ND	0.25	0.50	"	"	"	"	"	
Benzene	ND	0.25	0.50	"	"	"	"	"	
Bromobenzene	ND	0.25	0.50	"	"	"	"	"	
Bromochloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromodichloromethane	ND	0.25	0.50	"	"	"	"	"	
Bromoform	ND	0.25	0.50	"	"	"	"	"	
Bromomethane	ND	0.25	0.50	"	"	"	"	"	
2-Butanone (MEK)	ND	5.0	10	"	"	"	"	"	
t-Butyl alcohol	ND	6.5	13	"	"	"	"	"	
n-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
sec-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
tert-Butylbenzene	ND	0.25	0.50	"	"	"	"	"	
Carbon disulfide	ND	0.70	1.4	"	"	"	"	"	
Carbon tetrachloride	ND	0.25	0.50	"	"	"	"	"	
Chlorobenzene	ND	0.25	0.50	"	"	"	"	"	
Chloroethane	ND	0.25	0.50	"	"	"	"	"	
Chloroform	ND	0.25	0.50	"	"	"	"	"	
Chloromethane	ND	0.25	0.50	"	"	"	"	"	
Chloroprene	ND	0.50	1.0	"	"	"	"	"	
2-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
4-Chlorotoluene	ND	0.25	0.50	"	"	"	"	"	
Dibromochloromethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"	"	"	"	"	
Dibromomethane	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.25	0.50	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	5.0	10	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.26	0.50	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCTB-231107**
Matrix : Water
Lab ID : 2308807-04

Sampled : 11/07/23 07:00
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,1-Dichloroethane	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 12:10	EPA 8260B	
1,2-Dichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	0.50	"	"	"	"	"	
1,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,3-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
2,2-Dichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,1-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.25	0.50	"	"	"	"	"	
Diisopropyl Ether	ND	0.25	0.50	"	"	"	"	"	
1,4-Dioxane	ND	50	100	"	"	"	"	"	
Ethanol	ND	250	500	"	"	"	"	"	
Ethyl Methacrylate	ND	0.50	1.0	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	0.25	0.50	"	"	"	"	"	
Ethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Hexachlorobutadiene	ND	0.25	0.50	"	"	"	"	"	
2-Hexanone	ND	0.25	0.50	"	"	"	"	"	
Iodomethane	ND	1.5	3.0	"	"	"	"	"	
Isobutyl alcohol	ND	10	20	"	"	"	"	"	
4-Isopropyl Toluene	ND	0.25	0.50	"	"	"	"	"	
Isopropylbenzene	ND	0.25	0.50	"	"	"	"	"	
Methacrylonitrile	ND	2.5	5.0	"	"	"	"	"	
Methyl Methacrylate	ND	0.50	2.0	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"	"	"	"	"	
Methylene chloride	ND	0.35	0.50	"	"	"	"	"	
Methyl-t-butyl ether	ND	0.25	0.50	"	"	"	"	"	
Naphthalene	ND	0.80	1.6	"	"	"	"	"	
Propionitrile	ND	5.0	10	"	"	"	"	"	
n-Propylbenzene	ND	0.25	0.50	"	"	"	"	"	
Styrene	ND	0.25	0.50	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.25	0.50	"	"	"	"	"	
Toluene	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	0.80	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-QCTB-231107**
Matrix : Water
Lab ID : 2308807-04

Sampled : 11/07/23 07:00
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									
1,2,4-Trichlorobenzene	ND	0.25	0.50	ug/L	1	B3K0307	11/09/23 12:10	EPA 8260B	
1,1,1-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.25	0.50	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.25	0.50	"	"	"	"	"	
Trichlorofluoromethane	ND	0.25	0.50	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.25	0.50	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.25	0.50	"	"	"	"	"	
Vinyl acetate	ND	1.0	2.0	"	"	"	"	"	
Vinyl chloride	ND	0.25	0.50	"	"	"	"	"	
Xylenes (total)	ND	0.27	0.50	"	"	"	"	"	
Surrogate: Dibromofluoromethane			*104 %*	*(80 - 124)*		"	"	"	
Surrogate: Toluene-d8			*92 %*	*(77 - 118)*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*100 %*	*(75 - 120)*		"	"	"	
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS									
Tentatively Identified Compounds	ND	10	10	ug/L	1	B3K0307	11/09/23 12:10	EPA 8260B TIC	

Weck Laboratories, Inc.

Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM									
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	W3K1254	11/16/23 01:08	SRL 524M-TCP	
Volatile Organics by P&T and GC/MS									
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	W3K0979	11/15/23 15:04	EPA 524.3	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*106 %*	*(70 - 130)*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			*97 %*	*(70 - 130)*		"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-CONDENSATE-231107**
Matrix : Water
Lab ID : 2308807-05

Sampled : 11/07/23 09:40
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes

Oilfield Environmental & Compliance, Inc.

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-CONDENSATE-231107**
Matrix : Water
Lab ID : 2308807-05

Sampled : 11/07/23 09:40
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Oilfield Environmental & Compliance, Inc.									
Volatile Organic Compounds by GC/MS									R-06
Acetone	**4600**	500	1000	ug/L	50	B3K0356	11/11/23 19:47	EPA 8260B	
Acrylonitrile	ND	250	500	"	"	"	"	"	
t-Amyl Methyl Ether	ND	12	25	"	"	"	"	"	
Benzene	ND	12	25	"	"	"	"	"	
Bromobenzene	ND	12	25	"	"	"	"	"	
Bromochloromethane	ND	12	25	"	"	"	"	"	
Bromodichloromethane	ND	12	25	"	"	"	"	"	
Bromoform	ND	12	25	"	"	"	"	"	
Bromomethane	ND	12	25	"	"	"	"	"	
2-Butanone (MEK)	**4700**	250	500	"	"	"	"	"	
t-Butyl alcohol	**1400**	320	650	"	"	"	"	"	
n-Butylbenzene	ND	12	25	"	"	"	"	"	
sec-Butylbenzene	ND	12	25	"	"	"	"	"	
tert-Butylbenzene	ND	12	25	"	"	"	"	"	
Carbon disulfide	ND	35	70	"	"	"	"	"	
Carbon tetrachloride	ND	12	25	"	"	"	"	"	
Chlorobenzene	ND	12	25	"	"	"	"	"	
Chloroethane	ND	12	25	"	"	"	"	"	
Chloroform	ND	12	25	"	"	"	"	"	
Chloromethane	ND	12	25	"	"	"	"	"	
2-Chlorotoluene	ND	12	25	"	"	"	"	"	
4-Chlorotoluene	ND	12	25	"	"	"	"	"	
Dibromochloromethane	ND	12	25	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	38	50	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	12	25	"	"	"	"	"	
Dibromomethane	ND	12	25	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	25	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	25	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	25	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	ND	250	500	"	"	"	"	"	
Dichlorodifluoromethane	ND	13	25	"	"	"	"	"	
1,1-Dichloroethane	ND	12	25	"	"	"	"	"	
1,2-Dichloroethane	ND	12	25	"	"	"	"	"	
1,1-Dichloroethene	ND	12	25	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	12	25	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	12	25	"	"	"	"	"	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-CONDENSATE-231107**
Matrix : Water
Lab ID : 2308807-05

Sampled : 11/07/23 09:40
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									R-06
1,2-Dichloropropane	ND	12	25	ug/L	50	B3K0356	11/11/23 19:47	EPA 8260B	
1,3-Dichloropropane	ND	12	25	"	"	"	"	"	
2,2-Dichloropropane	ND	12	25	"	"	"	"	"	
1,1-Dichloropropene	ND	12	25	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	12	25	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	12	25	"	"	"	"	"	
Diisopropyl Ether	ND	12	25	"	"	"	"	"	
1,4-Dioxane	ND	2500	5000	"	"	"	"	"	
Ethanol	**54,000**	12,000	25,000	"	"	"	"	"	
Ethyl t-Butyl Ether	ND	12	25	"	"	"	"	"	
Ethylbenzene	ND	12	25	"	"	"	"	"	
Hexachlorobutadiene	ND	12	25	"	"	"	"	"	
2-Hexanone	**60**	12	25	"	"	"	"	"	
Iodomethane	ND	75	150	"	"	"	"	"	
4-Isopropyl Toluene	ND	12	25	"	"	"	"	"	
Isopropylbenzene	ND	12	25	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**80**	50	100	"	"	"	"	"	J
Methylene chloride	ND	18	25	"	"	"	"	"	
Methyl-t-butyl ether	ND	12	25	"	"	"	"	"	
Naphthalene	ND	40	80	"	"	"	"	"	
n-Propylbenzene	ND	12	25	"	"	"	"	"	
Styrene	ND	12	25	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	12	25	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	12	25	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	12	25	"	"	"	"	"	
Toluene	ND	12	25	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	20	40	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	12	25	"	"	"	"	"	
1,1,1-Trichloroethane	ND	12	25	"	"	"	"	"	
1,1,2-Trichloroethane	ND	12	25	"	"	"	"	"	
Trichloroethene (TCE)	ND	12	25	"	"	"	"	"	
Trichlorofluoromethane	ND	12	25	"	"	"	"	"	
1,2,3-Trichloropropane	ND	12	25	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	12	25	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	12	25	"	"	"	"	"	
Vinyl acetate	ND	50	100	"	"	"	"	"	
Vinyl chloride	ND	12	25	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Analytical Report for Samples

Sample ID : **FCCL-CONDENSATE-231107**
Matrix : Water
Lab ID : 2308807-05

Sampled : 11/07/23 09:40
Sampled by : Nara Tep
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)									R-06
Xylenes (total)	ND	14	25	ug/L	50	B3K0356	11/11/23 19:47	EPA 8260B	
Surrogate: Dibromofluoromethane			*112 %*	*(80 - 124)*		"	"	"	
Surrogate: Toluene-d8			*90 %*	*(77 - 118)*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*101 %*	*(75 - 120)*		"	"	"	
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS									R-06
1,8-Cineole	**510**			ug/L	50	B3K0356	11/11/23 19:47	EPA 8260B TIC	

Weck Laboratories, Inc.

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM									
1,2,3-Trichloropropane	ND	0.060	0.25	ug/l	50	W3K1514	11/17/23 23:27	SRL 524M-TCP	M-05
Volatile Organics by P&T and GC/MS									
1,2-Dibromoethane (EDB)	ND	0.058	0.40	ug/l	20	W3K1520	11/17/23 19:54	EPA 524.3	M-05
1,2-Dibromo-3-chloropropane	ND	0.084	0.20	"	"	"	"	"	M-05
Surrogate: 4-Bromofluorobenzene			*96 %*	*(70 - 130)*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			*76 %*	*(70 - 130)*		"	"	"	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Anions by IC - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0296 - EPA 300.0 Preparation: EPA 300.0/300.1 Anions Prep 11/08/23 11:59											
Blank (B3K0296-BLK1) Analyzed: 11/09/23 09:39											
Chloride	ND	0.10	0.40	mg/L							
Nitrate as N	ND	0.10	0.40	"							
Sulfate	ND	0.10	0.40	"							
LCS (B3K0296-BS1) Analyzed: 11/09/23 08:36											
Chloride	5.07	0.10	0.40	mg/L	5.00		101	90-110			
Nitrate as N	5.05	0.10	0.40	"	5.00		101	90-110			
Sulfate	5.10	0.10	0.40	"	5.00		102	90-110			
LCS Dup (B3K0296-BSD1) Analyzed: 11/09/23 08:52											
Chloride	5.09	0.10	0.40	mg/L	5.00		102	90-110	0.3	20	
Nitrate as N	5.08	0.10	0.40	"	5.00		102	90-110	0.6	20	
Sulfate	5.14	0.10	0.40	"	5.00		103	90-110	0.8	20	
Duplicate (B3K0296-DUP1) **Source: 2308822-04** Analyzed: 11/09/23 06:30											
Chloride	1110	2.0	8.0	mg/L		1110			0.03	20	
Nitrate as N	ND	2.0	8.0	"		ND				20	
Sulfate	1340	2.0	8.0	"		1340			0.1	20	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by CVAA - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0602 - EPA 245.1 Preparation: EPA 245.1/245.2 Prep 11/16/23 11:36											
Blank (B3K0602-BLK1)					Analyzed: 11/17/23 13:49						
Mercury	ND	0.00010	0.00020	mg/L							
LCS (B3K0602-BS1)					Analyzed: 11/17/23 13:51						
Mercury	0.00988	0.00010	0.00020	mg/L	0.0100		99	85-115			
LCS Dup (B3K0602-BSD1)					Analyzed: 11/17/23 13:54						
Mercury	0.0100	0.00010	0.00020	mg/L	0.0100		100	85-115	1	20	
Duplicate (B3K0602-DUP1)	**Source: 2308807-01**				Analyzed: 11/17/23 14:00						
Mercury	ND	0.00010	0.00020	mg/L		ND				20	
Matrix Spike (B3K0602-MS1)	**Source: 2308807-01**				Analyzed: 11/17/23 13:57						
Mercury	0.0101	0.00010	0.00020	mg/L	0.0100	ND	101	75-125			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by ICP - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0543 - EPA 200.7 Preparation: EPA 200.7 11/15/23 10:49											
Blank (B3K0543-BLK1)				Analyzed: 11/17/23 10:58							
Sodium	ND	0.25	0.50	mg/L							
Tin	ND	0.020	0.050	"							
Blank (B3K0543-BLK2)				Analyzed: 11/17/23 11:00							
Sodium	ND	0.25	0.50	mg/L							
Tin	ND	0.020	0.050	"							
LCS (B3K0543-BS1)				Analyzed: 11/17/23 11:06							
Sodium	9.97	0.25	0.50	mg/L	10.0		100	85-115			
Tin	2.00	0.020	0.050	"	2.00		100	85-115			
LCS Dup (B3K0543-BSD1)				Analyzed: 11/17/23 11:08							
Sodium	10.2	0.25	0.50	mg/L	10.0		102	85-115	3	20	
Tin	2.06	0.020	0.050	"	2.00		103	85-115	3	20	
Duplicate (B3K0543-DUP1)	**Source: 2308807-01**			Analyzed: 11/17/23 11:10							
Sodium	38.9	0.25	0.50	mg/L		38.3			2	20	
Tin	ND	0.020	0.050	"		ND				20	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by ICP/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0346 - EPA 200.8 Preparation: EPA 200.8 11/09/23 11:15											
Blank (B3K0346-BLK1) Analyzed: 12/05/23 15:25											
Antimony	ND	0.0010	0.0020	mg/L							
Arsenic	ND	0.0015	0.0020	"							
Barium	0.00166	0.0010	0.0020	"							B-02, J
Beryllium	ND	0.00050	0.0010	"							
Cadmium	ND	0.00050	0.0010	"							
Chromium	ND	0.0015	0.0030	"							
Cobalt	ND	0.00050	0.0010	"							
Copper	ND	0.0010	0.0020	"							
Lead	ND	0.00050	0.0010	"							
Magnesium	ND	0.050	0.10	"							
Nickel	ND	0.0010	0.0020	"							
Selenium	ND	0.00070	0.0010	"							
Silver	ND	0.00050	0.0010	"							
Thallium	ND	0.00050	0.0010	"							
Vanadium	ND	0.0030	0.0050	"							
Zinc	0.00418	0.0025	0.0050	"							B-02, J
Blank (B3K0346-BLK2) Analyzed: 12/05/23 15:30											
Antimony	ND	0.0010	0.0020	mg/L							
Arsenic	ND	0.0015	0.0020	"							
Beryllium	ND	0.00050	0.0010	"							
Cadmium	ND	0.00050	0.0010	"							
Chromium	ND	0.0015	0.0030	"							
Cobalt	ND	0.00050	0.0010	"							
Copper	ND	0.0010	0.0020	"							
Lead	ND	0.00050	0.0010	"							
Magnesium	ND	0.050	0.10	"							
Nickel	ND	0.0010	0.0020	"							
Selenium	ND	0.00070	0.0010	"							
Silver	ND	0.00050	0.0010	"							
Thallium	ND	0.00050	0.0010	"							
Vanadium	ND	0.0030	0.0050	"							

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by ICP/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0346 - EPA 200.8 Preparation: EPA 200.8 11/09/23 11:15											
LCS (B3K0346-BS1) Analyzed: 12/05/23 15:40											
Antimony	0.0408	0.0010	0.0020	mg/L	0.0400		102	85-115			
Arsenic	0.108	0.0015	0.0020	"	0.100		108	85-115			
Barium	0.108	0.0010	0.0020	"	0.100		108	85-115			
Beryllium	0.0446	0.00050	0.0010	"	0.0400		112	85-115			
Cadmium	0.0439	0.00050	0.0010	"	0.0400		110	85-115			
Chromium	0.0418	0.0015	0.0030	"	0.0400		105	85-115			
Cobalt	0.0423	0.00050	0.0010	"	0.0400		106	85-115			
Copper	0.116	0.0010	0.0020	"	0.100		116	85-115			QM-08
Lead	0.110	0.00050	0.0010	"	0.100		110	85-115			
Magnesium	2.14	0.050	0.10	"	2.00		107	85-115			
Nickel	0.106	0.0010	0.0020	"	0.100		106	85-115			
Selenium	0.113	0.00070	0.0010	"	0.100		113	85-115			
Silver	0.0412	0.00050	0.0010	"	0.0400		103	85-115			
Thallium	0.0428	0.00050	0.0010	"	0.0400		107	85-115			
Vanadium	0.0422	0.0030	0.0050	"	0.0400		105	85-115			
Zinc	0.121	0.0025	0.0050	"	0.100		121	85-115			QM-08
LCS Dup (B3K0346-BSD1) Analyzed: 12/05/23 15:45											
Antimony	0.0401	0.0010	0.0020	mg/L	0.0400		100	85-115	2	20	
Arsenic	0.106	0.0015	0.0020	"	0.100		106	85-115	2	20	
Barium	0.104	0.0010	0.0020	"	0.100		104	85-115	4	20	
Beryllium	0.0436	0.00050	0.0010	"	0.0400		109	85-115	2	20	
Cadmium	0.0427	0.00050	0.0010	"	0.0400		107	85-115	3	20	
Chromium	0.0410	0.0015	0.0030	"	0.0400		102	85-115	2	20	
Cobalt	0.0414	0.00050	0.0010	"	0.0400		104	85-115	2	20	
Copper	0.105	0.0010	0.0020	"	0.100		105	85-115	10	20	
Lead	0.106	0.00050	0.0010	"	0.100		106	85-115	4	20	
Magnesium	2.07	0.050	0.10	"	2.00		104	85-115	3	20	
Nickel	0.104	0.0010	0.0020	"	0.100		104	85-115	2	20	
Selenium	0.111	0.00070	0.0010	"	0.100		111	85-115	2	20	
Silver	0.0403	0.00050	0.0010	"	0.0400		101	85-115	2	20	
Thallium	0.0414	0.00050	0.0010	"	0.0400		103	85-115	3	20	
Vanadium	0.0411	0.0030	0.0050	"	0.0400		103	85-115	2	20	
Zinc	0.114	0.0025	0.0050	"	0.100		114	85-115	7	20	

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Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by ICP/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0346 - EPA 200.8 Preparation: EPA 200.8 11/09/23 11:15											
Duplicate (B3K0346-DUP1)	**Source: 2308807-02**			Analyzed: 12/05/23 16:00							
Antimony	ND	0.0010	0.0020	mg/L		ND				20	
Arsenic	0.00362	0.0015	0.0020	"		0.00376			4	20	
Barium	0.0810	0.0010	0.0020	"		0.0843			4	20	
Beryllium	ND	0.00050	0.0010	"		ND				20	
Cadmium	ND	0.00050	0.0010	"		ND				20	
Chromium	0.00416	0.0015	0.0030	"		0.00434			4	20	
Cobalt	ND	0.00050	0.0010	"		ND				20	
Copper	ND	0.0010	0.0020	"		ND				20	
Lead	ND	0.00050	0.0010	"		ND				20	
Nickel	ND	0.0010	0.0020	"		ND				20	
Selenium	0.00165	0.00070	0.0010	"		0.00165			0.1	20	
Silver	ND	0.00050	0.0010	"		ND				20	
Thallium	ND	0.00050	0.0010	"		ND				20	
Vanadium	0.0148	0.0030	0.0050	"		0.0154			4	20	
Zinc	0.00321	0.0025	0.0050	"		0.00367			13	20	J
Matrix Spike (B3K0346-MS1)	**Source: 2308807-02**			Analyzed: 12/05/23 15:50							
Antimony	0.0442	0.0010	0.0020	mg/L	0.0400	ND	110	70-130			
Arsenic	0.113	0.0015	0.0020	"	0.100	0.00376	110	70-130			
Barium	0.192	0.0010	0.0020	"	0.100	0.0843	108	70-130			
Beryllium	0.0432	0.00050	0.0010	"	0.0400	ND	108	70-130			
Cadmium	0.0454	0.00050	0.0010	"	0.0400	ND	113	70-130			
Chromium	0.0451	0.0015	0.0030	"	0.0400	0.00434	102	70-130			
Cobalt	0.0403	0.00050	0.0010	"	0.0400	ND	101	70-130			
Copper	0.101	0.0010	0.0020	"	0.100	ND	101	70-130			
Lead	0.103	0.00050	0.0010	"	0.100	ND	103	70-130			
Nickel	0.0991	0.0010	0.0020	"	0.100	ND	99	70-130			
Selenium	0.113	0.00070	0.0010	"	0.100	0.00165	111	70-130			
Silver	0.0182	0.00050	0.0010	"	0.0400	ND	46	70-130			QM-07
Thallium	0.0406	0.00050	0.0010	"	0.0400	ND	101	70-130			
Vanadium	0.0577	0.0030	0.0050	"	0.0400	0.0154	106	70-130			
Zinc	0.107	0.0025	0.0050	"	0.100	0.00367	104	70-130			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Dissolved Metals by ICP/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0346 - EPA 200.8 Preparation: EPA 200.8 11/09/23 11:15											
Matrix Spike (B3K0346-MS2)	**Source: 2308807-01**				Analyzed: 12/05/23 15:55						
Antimony	0.0439	0.0010	0.0020	mg/L	0.0400	ND	110	70-130			
Arsenic	0.119	0.0015	0.0020	"	0.100	0.00392	115	70-130			
Barium	0.195	0.0010	0.0020	"	0.100	0.0890	106	70-130			
Beryllium	0.0463	0.00050	0.0010	"	0.0400	ND	116	70-130			
Cadmium	0.0459	0.00050	0.0010	"	0.0400	ND	115	70-130			
Chromium	0.0476	0.0015	0.0030	"	0.0400	0.00446	108	70-130			
Cobalt	0.0427	0.00050	0.0010	"	0.0400	ND	107	70-130			
Copper	0.106	0.0010	0.0020	"	0.100	ND	106	70-130			
Lead	0.109	0.00050	0.0010	"	0.100	ND	109	70-130			
Nickel	0.105	0.0010	0.0020	"	0.100	ND	105	70-130			
Selenium	0.118	0.00070	0.0010	"	0.100	0.00161	117	70-130			
Silver	0.0167	0.00050	0.0010	"	0.0400	ND	42	70-130			QM-07
Thallium	0.0427	0.00050	0.0010	"	0.0400	ND	107	70-130			
Vanadium	0.0609	0.0030	0.0050	"	0.0400	0.0160	112	70-130			
Zinc	0.113	0.0025	0.0050	"	0.100	0.00341	110	70-130			
Batch B3L0199 - EPA 200.8 Preparation: EPA 200.8 12/06/23 14:34											
Blank (B3L0199-BLK1)					Analyzed: 12/07/23 17:42						
Zinc	ND	0.0025	0.0050	mg/L							
LCS (B3L0199-BS2)					Analyzed: 12/08/23 11:13						
Zinc	0.115	0.0025	0.0050	mg/L	0.100		115	85-115			
Duplicate (B3L0199-DUP1)	**Source: 2308807-01RE1**				Analyzed: 12/07/23 17:57						
Zinc	ND	0.0025	0.0050	mg/L		ND				20	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

General Chemistry Parameters by EPA or APHA Standard Methods - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0308 - SM 4500CN-C/E Preparation: Wetchem default method 11/08/23 13:19											
Blank (B3K0308-BLK1)					Analyzed: 11/08/23 16:40						
Cyanide (total)	ND	0.010	0.040	mg/L							
LCS (B3K0308-BS1)					Analyzed: 11/08/23 16:40						
Cyanide (total)	0.0859	0.010	0.040	mg/L	0.100		86	80-120			
LCS Dup (B3K0308-BSD1)					Analyzed: 11/08/23 16:40						
Cyanide (total)	0.0839	0.010	0.040	mg/L	0.100		84	80-120	2	20	
Duplicate (B3K0308-DUP1)	**Source: 2308807-01**				Analyzed: 11/08/23 16:40						
Cyanide (total)	ND	0.010	0.040	mg/L		ND				20	
Matrix Spike (B3K0308-MS1)	**Source: 2308807-01**				Analyzed: 11/08/23 16:40						
Cyanide (total)	0.0813	0.010	0.040	mg/L	0.100	ND	81	80-120			
Matrix Spike Dup (B3K0308-MSD1)	**Source: 2308807-01**				Analyzed: 11/08/23 16:40						
Cyanide (total)	0.0976	0.010	0.040	mg/L	0.100	ND	98	80-120	18	20	
Batch B3K0389 - SM 5220D Preparation: Wetchem default method 11/10/23 10:35											
Blank (B3K0389-BLK1)					Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	ND	20	20	mg/L							
LCS (B3K0389-BS1)					Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	250	20	20	mg/L	250		98	57-134			
LCS Dup (B3K0389-BSD1)					Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	240	20	20	mg/L	250		97	57-134	0.9	10	
Duplicate (B3K0389-DUP1)	**Source: 2308895-03**				Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	48	20	20	mg/L		48			0	10	
Matrix Spike (B3K0389-MS1)	**Source: 2308895-03**				Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	390	27	27	mg/L	333	48	102	80-120			
Matrix Spike Dup (B3K0389-MSD1)	**Source: 2308895-03**				Analyzed: 11/10/23 15:48						
Chemical Oxygen Demand	390	27	27	mg/L	333	48	102	80-120	0	20	
Batch B3K0395 - EPA 9034 Preparation: EPA 9034 11/13/23 12:22											
Blank (B3K0395-BLK1)					Analyzed: 11/13/23 16:09						
Total Sulfide	ND	1.0	2.0	mg/L							

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

General Chemistry Parameters by EPA or APHA Standard Methods - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0395 - EPA 9034 Preparation: EPA 9034 11/13/23 12:22											
LCS (B3K0395-BS1)					Analyzed: 11/13/23 16:09						
Total Sulfide	16.0	1.0	2.0	mg/L	16.0		100	70-130			
LCS Dup (B3K0395-BSD1)					Analyzed: 11/13/23 16:09						
Total Sulfide	15.6	1.0	2.0	mg/L	16.0		98	70-130	3	20	
Duplicate (B3K0395-DUP1)	**Source: 2308807-01**				Analyzed: 11/13/23 16:09						
Total Sulfide	ND	1.0	2.0	mg/L		ND				20	
Matrix Spike (B3K0395-MS1)	**Source: 2308807-01**				Analyzed: 11/13/23 16:09						
Total Sulfide	15.9	1.0	2.0	mg/L	16.3	ND	98	70-130			
Matrix Spike Dup (B3K0395-MSD1)	**Source: 2308807-01**				Analyzed: 11/13/23 16:09						
Total Sulfide	17.1	1.0	2.0	mg/L	16.3	ND	105	70-130	7	20	
Batch B3K0436 - SM 2540C Preparation: 2540 C TDS Prep 11/13/23 10:48											
Blank (B3K0436-BLK1)					Analyzed: 11/13/23 12:57						
Total Dissolved Solids	ND	6	10	mg/L							
LCS (B3K0436-BS1)					Analyzed: 11/13/23 12:57						
Total Dissolved Solids	1100	6	10	mg/L	1000		109	75-125			
LCS Dup (B3K0436-BSD1)					Analyzed: 11/13/23 12:57						
Total Dissolved Solids	1100	6	10	mg/L	1000		109	75-125	0	10	
Duplicate (B3K0436-DUP1)	**Source: 2308808-01**				Analyzed: 11/13/23 12:57						
Total Dissolved Solids	420	6	10	mg/L		420			0	10	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Blank (B3K0307-BLK1) Analyzed: 11/09/23 11:19											
Acetone	ND	10	20	ug/L							
Acetonitrile	ND	5.0	10	"							
Acrolein	ND	5.0	10	"							
Acrylonitrile	ND	5.0	10	"							
Allyl chloride	ND	2.5	5.0	"							
t-Amyl Methyl Ether	ND	0.25	0.50	"							
Benzene	ND	0.25	0.50	"							
Bromobenzene	ND	0.25	0.50	"							
Bromochloromethane	ND	0.25	0.50	"							
Bromodichloromethane	ND	0.25	0.50	"							
Bromoform	ND	0.25	0.50	"							
Bromomethane	ND	0.25	0.50	"							
2-Butanone (MEK)	ND	5.0	10	"							
t-Butyl alcohol	ND	6.5	13	"							
n-Butylbenzene	ND	0.25	0.50	"							
sec-Butylbenzene	ND	0.25	0.50	"							
tert-Butylbenzene	ND	0.25	0.50	"							
Carbon disulfide	ND	0.70	1.4	"							
Carbon tetrachloride	ND	0.25	0.50	"							
Chlorobenzene	ND	0.25	0.50	"							
Chloroethane	ND	0.25	0.50	"							
Chloroform	ND	0.25	0.50	"							
Chloromethane	ND	0.25	0.50	"							
Chloroprene	ND	0.50	1.0	"							
2-Chlorotoluene	ND	0.25	0.50	"							
4-Chlorotoluene	ND	0.25	0.50	"							
Dibromochloromethane	ND	0.25	0.50	"							
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"							
Dibromomethane	ND	0.25	0.50	"							
1,2-Dichlorobenzene	ND	0.25	0.50	"							
1,3-Dichlorobenzene	ND	0.25	0.50	"							
1,4-Dichlorobenzene	ND	0.25	0.50	"							
trans-1,4-Dichloro-2-butene	ND	5.0	10	"							
Dichlorodifluoromethane	ND	0.26	0.50	"							
1,1-Dichloroethane	ND	0.25	0.50	"							
1,2-Dichloroethane	ND	0.25	0.50	"							
1,1-Dichloroethene	ND	0.25	0.50	"							
cis-1,2-Dichloroethene	ND	0.25	0.50	"							
trans-1,2-Dichloroethene	ND	0.25	0.50	"							
1,2-Dichloropropane	ND	0.25	0.50	"							
1,3-Dichloropropane	ND	0.25	0.50	"							

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Blank (B3K0307-BLK1)				Analyzed: 11/09/23 11:19							
2,2-Dichloropropane	ND	0.25	0.50	ug/L							
1,1-Dichloropropene	ND	0.25	0.50	"							
cis-1,3-Dichloropropene	ND	0.25	0.50	"							
trans-1,3-Dichloropropene	ND	0.25	0.50	"							
Diisopropyl Ether	ND	0.25	0.50	"							
1,4-Dioxane	ND	50	100	"							
Ethanol	ND	250	500	"							
Ethyl Methacrylate	ND	0.50	1.0	"							
Ethyl t-Butyl Ether	ND	0.25	0.50	"							
Ethylbenzene	ND	0.25	0.50	"							
Hexachlorobutadiene	ND	0.25	0.50	"							
2-Hexanone	ND	0.25	0.50	"							
Iodomethane	ND	1.5	3.0	"							
Isobutyl alcohol	ND	10	20	"							
4-Isopropyl Toluene	ND	0.25	0.50	"							
Isopropylbenzene	ND	0.25	0.50	"							
Methacrylonitrile	ND	2.5	5.0	"							
Methyl Methacrylate	ND	0.50	2.0	"							
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"							
Methylene chloride	ND	0.35	0.50	"							
Methyl-t-butyl ether	ND	0.25	0.50	"							
Naphthalene	ND	0.80	1.6	"							
Propionitrile	ND	5.0	10	"							
n-Propylbenzene	ND	0.25	0.50	"							
Styrene	ND	0.25	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"							
Tetrachloroethene (PCE)	ND	0.25	0.50	"							
Toluene	ND	0.25	0.50	"							
1,2,3-Trichlorobenzene	ND	0.40	0.80	"							
1,2,4-Trichlorobenzene	ND	0.25	0.50	"							
1,1,1-Trichloroethane	ND	0.25	0.50	"							
1,1,2-Trichloroethane	ND	0.25	0.50	"							
Trichloroethene (TCE)	ND	0.25	0.50	"							
Trichlorofluoromethane	ND	0.25	0.50	"							
1,2,3-Trichloropropane	ND	0.25	0.50	"							
1,2,4-Trimethylbenzene	ND	0.25	0.50	"							
1,3,5-Trimethylbenzene	ND	0.25	0.50	"							
Vinyl acetate	ND	1.0	2.0	"							
Vinyl chloride	ND	0.25	0.50	"							
Xylenes (total)	ND	0.27	0.50	"							
Surrogate: Dibromofluoromethane			*12.6*	"	*12.5*		*101*	*80-124*			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Blank (B3K0307-BLK1)				Analyzed: 11/09/23 11:19							
Surrogate: Toluene-d8			*12.3*	*ug/L*	*12.5*		*99*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.5*	*"*	*12.5*		*100*	*75-120*			
LCS (B3K0307-BS1)				Analyzed: 11/09/23 07:29							
Acetone	46.8	10	20	ug/L	20.0		234	10-191			QM-11
Acrolein	42.8	5.0	10	"	37.5		114	15-209			
Acrylonitrile	31.5	5.0	10	"	37.5		84	47-158			
t-Amyl Methyl Ether	8.82	0.25	0.50	"	10.0		88	44-155			
Benzene	8.96	0.25	0.50	"	10.0		90	67-140			
Bromobenzene	8.51	0.25	0.50	"	10.0		85	66-145			
Bromochloromethane	8.78	0.25	0.50	"	10.0		88	63-141			
Bromodichloromethane	8.90	0.25	0.50	"	10.0		89	68-136			
Bromoform	7.56	0.25	0.50	"	10.0		76	53-139			
Bromomethane	7.72	0.25	0.50	"	10.0		77	10-175			
2-Butanone (MEK)	32.4	5.0	10	"	20.0		162	10-188			
t-Butyl alcohol	42.9	6.5	13	"	50.0		86	45-188			
n-Butylbenzene	9.10	0.25	0.50	"	10.0		91	43-175			
sec-Butylbenzene	9.38	0.25	0.50	"	10.0		94	60-168			
tert-Butylbenzene	9.07	0.25	0.50	"	10.0		91	64-148			
Carbon disulfide	38.7	0.70	1.4	"	20.0		193	10-197			
Carbon tetrachloride	8.12	0.25	0.50	"	10.0		81	58-153			
Chlorobenzene	8.85	0.25	0.50	"	10.0		88	70-138			
Chloroethane	8.45	0.25	0.50	"	10.0		84	33-162			
Chloroform	8.21	0.25	0.50	"	10.0		82	69-140			
Chloromethane	7.84	0.25	0.50	"	10.0		78	19-171			
2-Chlorotoluene	9.08	0.25	0.50	"	10.0		91	62-145			
4-Chlorotoluene	9.50	0.25	0.50	"	10.0		95	59-145			
Dibromochloromethane	7.55	0.25	0.50	"	10.0		76	67-129			
1,2-Dibromo-3-chloropropane	6.52	0.75	1.0	"	10.0		65	10-209			
1,2-Dibromoethane (EDB)	8.00	0.25	0.50	"	10.0		80	68-141			
Dibromomethane	8.32	0.25	0.50	"	10.0		83	66-153			
1,2-Dichlorobenzene	8.88	0.25	0.50	"	10.0		89	61-147			
1,3-Dichlorobenzene	9.00	0.25	0.50	"	10.0		90	61-146			
1,4-Dichlorobenzene	8.67	0.25	0.50	"	10.0		87	54-146			
trans-1,4-Dichloro-2-butene	7.13	5.0	10	"	10.0		71	36-157			J
Dichlorodifluoromethane	7.35	0.26	0.50	"	10.0		74	10-207			
1,1-Dichloroethane	8.87	0.25	0.50	"	10.0		89	64-144			
1,2-Dichloroethane	8.12	0.25	0.50	"	10.0		81	63-147			
1,1-Dichloroethene	8.96	0.25	0.50	"	10.0		90	34-161			
cis-1,2-Dichloroethene	8.91	0.25	0.50	"	10.0		89	68-138			
trans-1,2-Dichloroethene	8.77	0.25	0.50	"	10.0		88	58-144			
1,2-Dichloropropane	8.87	0.25	0.50	"	10.0		89	69-139			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
LCS (B3K0307-BS1) Analyzed: 11/09/23 07:29											
1,3-Dichloropropane	8.16	0.25	0.50	ug/L	10.0		82	65-135			
2,2-Dichloropropane	9.00	0.25	0.50	"	10.0		90	57-176			
1,1-Dichloropropene	9.21	0.25	0.50	"	10.0		92	60-152			
cis-1,3-Dichloropropene	9.02	0.25	0.50	"	10.0		90	70-145			
trans-1,3-Dichloropropene	8.64	0.25	0.50	"	10.0		86	68-153			
Diisopropyl Ether	9.20	0.25	0.50	"	10.0		92	72-144			
1,4-Dioxane	420	50	100	"	500		84	17-180			
Ethanol	620	250	500	"	750		83	14-188			
Ethyl t-Butyl Ether	8.61	0.25	0.50	"	10.0		86	39-155			
Ethylbenzene	9.19	0.25	0.50	"	10.0		92	70-142			
Hexachlorobutadiene	9.13	0.25	0.50	"	10.0		91	19-209			
2-Hexanone	31.3	0.25	0.50	"	20.0		157	32-162			
Iodomethane	34.0	1.5	3.0	"	20.0		170	10-214			
4-Isopropyl Toluene	9.69	0.25	0.50	"	10.0		97	59-159			
Isopropylbenzene	8.71	0.25	0.50	"	10.0		87	64-151			
4-Methyl-2-pentanone (MIBK)	33.0	1.0	2.0	"	20.0		165	49-154			QM-11
Methylene chloride	8.49	0.35	0.50	"	10.0		85	49-153			
Methyl-t-butyl ether	8.45	0.25	0.50	"	10.0		84	26-182			
Naphthalene	7.52	0.80	1.6	"	10.0		75	25-205			
n-Propylbenzene	8.85	0.25	0.50	"	10.0		88	58-152			
Styrene	8.68	0.25	0.50	"	10.0		87	64-143			
1,1,1,2-Tetrachloroethane	8.24	0.25	0.50	"	10.0		82	71-127			
1,1,2,2-Tetrachloroethane	8.04	0.25	0.50	"	10.0		80	42-169			
Tetrachloroethene (PCE)	9.08	0.25	0.50	"	10.0		91	61-155			
Toluene	9.11	0.25	0.50	"	10.0		91	71-140			
1,2,3-Trichlorobenzene	7.48	0.40	0.80	"	10.0		75	30-186			
1,2,4-Trichlorobenzene	8.05	0.25	0.50	"	10.0		80	32-184			
1,1,1-Trichloroethane	8.38	0.25	0.50	"	10.0		84	66-144			
1,1,2-Trichloroethane	8.45	0.25	0.50	"	10.0		84	67-141			
Trichloroethene (TCE)	9.32	0.25	0.50	"	10.0		93	61-154			
Trichlorofluoromethane	7.99	0.25	0.50	"	10.0		80	50-158			
1,2,3-Trichloropropane	7.83	0.25	0.50	"	10.0		78	41-176			
1,2,4-Trimethylbenzene	9.27	0.25	0.50	"	10.0		93	57-150			
1,3,5-Trimethylbenzene	9.39	0.25	0.50	"	10.0		94	57-147			
Vinyl acetate	22.6	1.0	2.0	"	20.0		113	10-191			
Vinyl chloride	8.02	0.25	0.50	"	10.0		80	30-179			
Xylenes (total)	26.6	0.27	0.50	"	30.0		89	67-141			
Surrogate: Dibromofluoromethane			*12.6*	"	*12.5*		*101*	*82-123*			
Surrogate: Toluene-d8			*12.5*	"	*12.5*		*100*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.7*	"	*12.5*		*102*	*76-121*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
LCS (B3K0307-BS3)				Analyzed: 11/09/23 10:27							
Acetonitrile	55.7	5.0	10	ug/L	50.0		111	70-130			
Allyl chloride	5.39	2.5	5.0	"	5.00		108	70-130			
Chloroprene	5.75	0.50	1.0	"	5.00		115	70-130			
Ethyl Methacrylate	4.85	0.50	1.0	"	5.00		97	70-130			
Isobutyl alcohol	91.7	10	20	"	100		92	70-130			
Methacrylonitrile	48.4	2.5	5.0	"	50.0		97	70-130			
Methyl Methacrylate	4.70	0.50	2.0	"	5.00		94	70-130			
Propionitrile	49.0	5.0	10	"	50.0		98	70-130			
Surrogate: Dibromofluoromethane			*12.5*	"	*12.5*		*100*	*80-124*			
Surrogate: Toluene-d8			*12.7*	"	*12.5*		*102*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.9*	"	*12.5*		*104*	*75-120*			
LCS (B3K0307-BS4)				Analyzed: 11/09/23 06:38							
Acetone	26.1	10	20	ug/L	20.0		131	10-191			
Acrylonitrile	33.9	5.0	10	"	37.5		90	47-158			
t-Amyl Methyl Ether	10.1	0.25	0.50	"	10.0		101	44-155			
Benzene	10.7	0.25	0.50	"	10.0		107	67-140			
Bromobenzene	9.73	0.25	0.50	"	10.0		97	66-145			
Bromochloromethane	10.5	0.25	0.50	"	10.0		105	63-141			
Bromodichloromethane	10.0	0.25	0.50	"	10.0		100	68-136			
Bromoform	7.69	0.25	0.50	"	10.0		77	53-139			
Bromomethane	10.5	0.25	0.50	"	10.0		105	10-175			
2-Butanone (MEK)	15.1	5.0	10	"	20.0		76	10-188			
t-Butyl alcohol	41.9	6.5	13	"	50.0		84	45-188			
n-Butylbenzene	10.9	0.25	0.50	"	10.0		109	43-175			
sec-Butylbenzene	10.7	0.25	0.50	"	10.0		107	60-168			
tert-Butylbenzene	10.7	0.25	0.50	"	10.0		107	64-148			
Carbon disulfide	19.8	0.70	1.4	"	20.0		99	10-197			
Carbon tetrachloride	9.74	0.25	0.50	"	10.0		97	58-153			
Chlorobenzene	10.4	0.25	0.50	"	10.0		104	70-138			
Chloroethane	11.6	0.25	0.50	"	10.0		116	33-162			
Chloroform	9.98	0.25	0.50	"	10.0		100	69-140			
Chloromethane	11.2	0.25	0.50	"	10.0		112	19-171			
2-Chlorotoluene	10.5	0.25	0.50	"	10.0		105	62-145			
4-Chlorotoluene	10.6	0.25	0.50	"	10.0		106	59-145			
Dibromochloromethane	8.62	0.25	0.50	"	10.0		86	67-129			
1,2-Dibromo-3-chloropropane	7.21	0.75	1.0	"	10.0		72	10-209			
1,2-Dibromoethane (EDB)	9.51	0.25	0.50	"	10.0		95	68-141			
Dibromomethane	10.2	0.25	0.50	"	10.0		102	66-153			
1,2-Dichlorobenzene	10.0	0.25	0.50	"	10.0		100	61-147			
1,3-Dichlorobenzene	10.0	0.25	0.50	"	10.0		100	61-146			
1,4-Dichlorobenzene	10.1	0.25	0.50	"	10.0		101	54-146			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 06:00											
LCS (B3K0307-BS4)				Analyzed: 11/09/23 06:38							
trans-1,4-Dichloro-2-butene	7.62	5.0	10	ug/L	10.0		76	36-157			J
Dichlorodifluoromethane	11.4	0.26	0.50	"	10.0		114	10-207			
1,1-Dichloroethane	10.8	0.25	0.50	"	10.0		108	64-144			
1,2-Dichloroethane	9.52	0.25	0.50	"	10.0		95	63-147			
1,1-Dichloroethene	11.0	0.25	0.50	"	10.0		110	34-161			
cis-1,2-Dichloroethene	10.3	0.25	0.50	"	10.0		103	68-138			
trans-1,2-Dichloroethene	10.4	0.25	0.50	"	10.0		104	58-144			
1,2-Dichloropropane	10.2	0.25	0.50	"	10.0		102	69-139			
1,3-Dichloropropane	9.81	0.25	0.50	"	10.0		98	65-135			
2,2-Dichloropropane	11.0	0.25	0.50	"	10.0		110	57-176			
1,1-Dichloropropene	11.3	0.25	0.50	"	10.0		113	60-152			
cis-1,3-Dichloropropene	10.6	0.25	0.50	"	10.0		106	70-145			
trans-1,3-Dichloropropene	9.42	0.25	0.50	"	10.0		94	68-153			
Diisopropyl Ether	10.3	0.25	0.50	"	10.0		103	72-144			
1,4-Dioxane	448	50	100	"	500		90	17-180			
Ethanol	702	250	500	"	750		94	14-188			
Ethyl t-Butyl Ether	10.0	0.25	0.50	"	10.0		100	39-155			
Ethylbenzene	10.8	0.25	0.50	"	10.0		108	70-142			
Hexachlorobutadiene	10.7	0.25	0.50	"	10.0		107	19-209			
2-Hexanone	15.0	0.25	0.50	"	20.0		75	32-162			
Iodomethane	19.1	1.5	3.0	"	20.0		96	10-214			
4-Isopropyl Toluene	11.2	0.25	0.50	"	10.0		112	59-159			
Isopropylbenzene	10.8	0.25	0.50	"	10.0		108	64-151			
4-Methyl-2-pentanone (MIBK)	16.2	1.0	2.0	"	20.0		81	49-154			
Methylene chloride	10.2	0.35	0.50	"	10.0		102	49-153			
Methyl-t-butyl ether	9.75	0.25	0.50	"	10.0		98	26-182			
Naphthalene	7.48	0.80	1.6	"	10.0		75	25-205			
n-Propylbenzene	10.4	0.25	0.50	"	10.0		104	58-152			
Styrene	10.2	0.25	0.50	"	10.0		102	64-143			
1,1,1,2-Tetrachloroethane	9.71	0.25	0.50	"	10.0		97	71-127			
1,1,2,2-Tetrachloroethane	9.17	0.25	0.50	"	10.0		92	42-169			
Tetrachloroethene (PCE)	11.1	0.25	0.50	"	10.0		111	61-155			
Toluene	10.6	0.25	0.50	"	10.0		106	71-140			
1,2,3-Trichlorobenzene	8.01	0.40	0.80	"	10.0		80	30-186			
1,2,4-Trichlorobenzene	8.42	0.25	0.50	"	10.0		84	32-184			
1,1,1-Trichloroethane	9.95	0.25	0.50	"	10.0		100	66-144			
1,1,2-Trichloroethane	9.62	0.25	0.50	"	10.0		96	67-141			
Trichloroethene (TCE)	10.7	0.25	0.50	"	10.0		107	61-154			
Trichlorofluoromethane	9.74	0.25	0.50	"	10.0		97	50-158			
1,2,3-Trichloropropane	8.90	0.25	0.50	"	10.0		89	41-176			
1,2,4-Trimethylbenzene	10.4	0.25	0.50	"	10.0		104	57-150			
1,3,5-Trimethylbenzene	10.8	0.25	0.50	"	10.0		108	57-147			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 06:00											
LCS (B3K0307-BS4)				Analyzed: 11/09/23 06:38							
Vinyl acetate	16.5	1.0	2.0	ug/L	20.0		82	10-191			
Vinyl chloride	11.3	0.25	0.50	"	10.0		113	30-179			
Xylenes (total)	31.3	0.27	0.50	"	30.0		104	67-141			
Surrogate: Dibromofluoromethane			*12.9*	*"*	*12.5*		*103*	*82-123*			
Surrogate: Toluene-d8			*12.5*	*"*	*12.5*		*100*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.5*	*"*	*12.5*		*100*	*76-121*			
LCS Dup (B3K0307-BSD1)				Analyzed: 11/09/23 07:54							
Acetone	46.6	10	20	ug/L	20.0		233	10-191	0.5	20	QM-11
Acrolein	47.0	5.0	10	"	37.5		125	15-209	9	20	
Acrylonitrile	34.9	5.0	10	"	37.5		93	47-158	10	20	
t-Amyl Methyl Ether	8.48	0.25	0.50	"	10.0		85	44-155	4	20	
Benzene	8.36	0.25	0.50	"	10.0		84	67-140	7	20	
Bromobenzene	7.72	0.25	0.50	"	10.0		77	66-145	10	20	
Bromochloromethane	8.30	0.25	0.50	"	10.0		83	63-141	6	20	
Bromodichloromethane	8.41	0.25	0.50	"	10.0		84	68-136	6	20	
Bromoform	7.90	0.25	0.50	"	10.0		79	53-139	4	20	
Bromomethane	6.89	0.25	0.50	"	10.0		69	10-175	11	20	
2-Butanone (MEK)	43.1	5.0	10	"	20.0		215	10-188	28	20	QM-11, QR-04
t-Butyl alcohol	47.6	6.5	13	"	50.0		95	45-188	10	20	
n-Butylbenzene	9.47	0.25	0.50	"	10.0		95	43-175	4	20	
sec-Butylbenzene	9.28	0.25	0.50	"	10.0		93	60-168	1	20	
tert-Butylbenzene	8.64	0.25	0.50	"	10.0		86	64-148	5	20	
Carbon disulfide	47.6	0.70	1.4	"	20.0		238	10-197	21	20	QM-11, QR-04
Carbon tetrachloride	7.74	0.25	0.50	"	10.0		77	58-153	5	20	
Chlorobenzene	8.02	0.25	0.50	"	10.0		80	70-138	10	20	
Chloroethane	7.86	0.25	0.50	"	10.0		79	33-162	7	20	
Chloroform	7.55	0.25	0.50	"	10.0		76	69-140	8	20	
Chloromethane	7.79	0.25	0.50	"	10.0		78	19-171	0.6	20	
2-Chlorotoluene	8.22	0.25	0.50	"	10.0		82	62-145	10	20	
4-Chlorotoluene	8.65	0.25	0.50	"	10.0		86	59-145	9	20	
Dibromochloromethane	7.42	0.25	0.50	"	10.0		74	67-129	2	20	
1,2-Dibromo-3-chloropropane	7.74	0.75	1.0	"	10.0		77	10-209	17	20	
1,2-Dibromoethane (EDB)	8.06	0.25	0.50	"	10.0		81	68-141	0.7	20	
Dibromomethane	8.66	0.25	0.50	"	10.0		87	66-153	4	20	
1,2-Dichlorobenzene	8.34	0.25	0.50	"	10.0		83	61-147	6	20	
1,3-Dichlorobenzene	8.08	0.25	0.50	"	10.0		81	61-146	11	20	
1,4-Dichlorobenzene	7.92	0.25	0.50	"	10.0		79	54-146	9	20	
trans-1,4-Dichloro-2-butene	6.83	5.0	10	"	10.0		68	36-157	4	200	J
Dichlorodifluoromethane	7.79	0.26	0.50	"	10.0		78	10-207	6	20	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
LCS Dup (B3K0307-BSD1)				Analyzed: 11/09/23 07:54							
1,1-Dichloroethane	8.22	0.25	0.50	ug/L	10.0		82	64-144	8	20	
1,2-Dichloroethane	8.19	0.25	0.50	"	10.0		82	63-147	0.9	20	
1,1-Dichloroethene	8.33	0.25	0.50	"	10.0		83	34-161	7	20	
cis-1,2-Dichloroethene	8.25	0.25	0.50	"	10.0		82	68-138	8	20	
trans-1,2-Dichloroethene	8.27	0.25	0.50	"	10.0		83	58-144	6	20	
1,2-Dichloropropane	8.29	0.25	0.50	"	10.0		83	69-139	7	20	
1,3-Dichloropropane	7.84	0.25	0.50	"	10.0		78	65-135	4	20	
2,2-Dichloropropane	8.47	0.25	0.50	"	10.0		85	57-176	6	20	
1,1-Dichloropropene	8.87	0.25	0.50	"	10.0		89	60-152	4	20	
cis-1,3-Dichloropropene	8.54	0.25	0.50	"	10.0		85	70-145	5	20	
trans-1,3-Dichloropropene	8.22	0.25	0.50	"	10.0		82	68-153	5	20	
Diisopropyl Ether	8.42	0.25	0.50	"	10.0		84	72-144	9	20	
1,4-Dioxane	611	50	100	"	500		122	17-180	37	200	
Ethanol	791	250	500	"	750		105	14-188	24	20	QR-02
Ethyl t-Butyl Ether	8.13	0.25	0.50	"	10.0		81	39-155	6	20	
Ethylbenzene	8.16	0.25	0.50	"	10.0		82	70-142	12	20	
Hexachlorobutadiene	11.6	0.25	0.50	"	10.0		116	19-209	24	20	QR-02
2-Hexanone	39.3	0.25	0.50	"	20.0		197	32-162	23	20	QM-11, QR-04
Iodomethane	36.0	1.5	3.0	"	20.0		180	10-214	6	200	
4-Isopropyl Toluene	9.41	0.25	0.50	"	10.0		94	59-159	3	20	
Isopropylbenzene	8.09	0.25	0.50	"	10.0		81	64-151	7	20	
4-Methyl-2-pentanone (MIBK)	42.6	1.0	2.0	"	20.0		213	49-154	26	200	QM-11
Methylene chloride	7.88	0.35	0.50	"	10.0		79	49-153	7	20	
Methyl-t-butyl ether	8.36	0.25	0.50	"	10.0		84	26-182	1	20	
Naphthalene	8.11	0.80	1.6	"	10.0		81	25-205	8	20	
n-Propylbenzene	8.18	0.25	0.50	"	10.0		82	58-152	8	20	
Styrene	7.86	0.25	0.50	"	10.0		79	64-143	10	20	
1,1,1,2-Tetrachloroethane	7.69	0.25	0.50	"	10.0		77	71-127	7	20	
1,1,2,2-Tetrachloroethane	8.29	0.25	0.50	"	10.0		83	42-169	3	20	
Tetrachloroethene (PCE)	8.41	0.25	0.50	"	10.0		84	61-155	8	20	
Toluene	8.35	0.25	0.50	"	10.0		84	71-140	9	20	
1,2,3-Trichlorobenzene	8.12	0.40	0.80	"	10.0		81	30-186	8	20	
1,2,4-Trichlorobenzene	7.97	0.25	0.50	"	10.0		80	32-184	1	20	
1,1,1-Trichloroethane	7.72	0.25	0.50	"	10.0		77	66-144	8	20	
1,1,2-Trichloroethane	8.11	0.25	0.50	"	10.0		81	67-141	4	20	
Trichloroethene (TCE)	8.46	0.25	0.50	"	10.0		85	61-154	10	20	
Trichlorofluoromethane	7.79	0.25	0.50	"	10.0		78	50-158	3	20	
1,2,3-Trichloropropane	8.00	0.25	0.50	"	10.0		80	41-176	2	20	
1,2,4-Trimethylbenzene	8.40	0.25	0.50	"	10.0		84	57-150	10	20	
1,3,5-Trimethylbenzene	8.62	0.25	0.50	"	10.0		86	57-147	9	20	
Vinyl acetate	26.0	1.0	2.0	"	20.0		130	10-191	14	20	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
LCS Dup (B3K0307-BSD1)				Analyzed: 11/09/23 07:54							
Vinyl chloride	8.19	0.25	0.50	ug/L	10.0		82	30-179	2	20	
Xylenes (total)	23.7	0.27	0.50	"	30.0		79	67-141	11	20	
Surrogate: Dibromofluoromethane			*13.2*	"	*12.5*		*106*	*82-123*			
Surrogate: Toluene-d8			*12.8*	"	*12.5*		*102*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*13.1*	"	*12.5*		*105*	*76-121*			
LCS Dup (B3K0307-BSD3)				Analyzed: 11/09/23 10:53							
Acetonitrile	55.7	5.0	10	ug/L	50.0		111	70-130	0	20	
Allyl chloride	5.85	2.5	5.0	"	5.00		117	70-130	8	20	
Chloroprene	5.91	0.50	1.0	"	5.00		118	70-130	3	20	
Ethyl Methacrylate	5.23	0.50	1.0	"	5.00		105	70-130	8	20	
Isobutyl alcohol	96.5	10	20	"	100		96	70-130	5	20	
Methacrylonitrile	52.6	2.5	5.0	"	50.0		105	70-130	8	20	
Methyl Methacrylate	5.17	0.50	2.0	"	5.00		103	70-130	10	20	
Propionitrile	51.4	5.0	10	"	50.0		103	70-130	5	20	
Surrogate: Dibromofluoromethane			*11.9*	"	*12.5*		*95*	*80-124*			
Surrogate: Toluene-d8			*12.8*	"	*12.5*		*102*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*13.0*	"	*12.5*		*104*	*75-120*			
Duplicate (B3K0307-DUP1)	**Source: 2308808-01**			Analyzed: 11/09/23 13:26							
Acetone	10.3	10	20	ug/L		ND				20	QR-05, J
Acetonitrile	ND	5.0	10	"		ND				20	
Acrolein	ND	5.0	10	"		ND				20	
Acrylonitrile	ND	5.0	10	"		ND				20	
Allyl chloride	ND	2.5	5.0	"		ND				20	
t-Amyl Methyl Ether	ND	0.25	0.50	"		ND				20	
Benzene	ND	0.25	0.50	"		ND				20	
Bromobenzene	ND	0.25	0.50	"		ND				20	
Bromochloromethane	ND	0.25	0.50	"		ND				20	
Bromodichloromethane	ND	0.25	0.50	"		ND				20	
Bromoform	ND	0.25	0.50	"		ND				20	
Bromomethane	ND	0.25	0.50	"		ND				20	
2-Butanone (MEK)	ND	5.0	10	"		ND				20	
t-Butyl alcohol	ND	6.5	13	"		ND				20	
n-Butylbenzene	ND	0.25	0.50	"		ND				20	
sec-Butylbenzene	ND	0.25	0.50	"		ND				20	
tert-Butylbenzene	ND	0.25	0.50	"		ND				20	
Carbon disulfide	ND	0.70	1.4	"		ND				20	
Carbon tetrachloride	ND	0.25	0.50	"		ND				20	
Chlorobenzene	ND	0.25	0.50	"		ND				20	
Chloroethane	ND	0.25	0.50	"		ND				20	
Chloroform	ND	0.25	0.50	"		ND				20	
Chloromethane	ND	0.25	0.50	"		ND				20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Duplicate (B3K0307-DUP1) **Source: 2308808-01** Analyzed: 11/09/23 13:26											
Chloroprene	ND	0.50	1.0	ug/L		ND				20	
2-Chlorotoluene	ND	0.25	0.50	"		ND				20	
4-Chlorotoluene	ND	0.25	0.50	"		ND				20	
Dibromochloromethane	ND	0.25	0.50	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"		ND				20	
Dibromomethane	ND	0.25	0.50	"		ND				20	
1,2-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,3-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
1,4-Dichlorobenzene	ND	0.25	0.50	"		ND				20	
trans-1,4-Dichloro-2-butene	ND	5.0	10	"		ND				20	
Dichlorodifluoromethane	ND	0.26	0.50	"		ND				20	
1,1-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,2-Dichloroethane	ND	0.25	0.50	"		ND				20	
1,1-Dichloroethene	ND	0.25	0.50	"		ND				20	
cis-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
trans-1,2-Dichloroethene	ND	0.25	0.50	"		ND				20	
1,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,3-Dichloropropane	ND	0.25	0.50	"		ND				20	
2,2-Dichloropropane	ND	0.25	0.50	"		ND				20	
1,1-Dichloropropene	ND	0.25	0.50	"		ND				20	
cis-1,3-Dichloropropene	ND	0.25	0.50	"		ND				20	
trans-1,3-Dichloropropene	ND	0.25	0.50	"		ND				20	
Diisopropyl Ether	ND	0.25	0.50	"		ND				20	
1,4-Dioxane	ND	50	100	"		ND				20	
Ethanol	ND	250	500	"		ND				20	
Ethyl Methacrylate	ND	0.50	1.0	"		ND				20	
Ethyl t-Butyl Ether	ND	0.25	0.50	"		ND				20	
Ethylbenzene	ND	0.25	0.50	"		ND				20	
Hexachlorobutadiene	ND	0.25	0.50	"		ND				20	
2-Hexanone	ND	0.25	0.50	"		ND				20	
Iodomethane	ND	1.5	3.0	"		ND				20	
Isobutyl alcohol	ND	10	20	"		ND				20	
4-Isopropyl Toluene	ND	0.25	0.50	"		ND				20	
Isopropylbenzene	ND	0.25	0.50	"		ND				20	
Methacrylonitrile	ND	2.5	5.0	"		ND				20	
Methyl Methacrylate	ND	0.50	2.0	"		ND				20	
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"		ND				20	
Methylene chloride	ND	0.35	0.50	"		ND				20	
Methyl-t-butyl ether	ND	0.25	0.50	"		ND				20	
Naphthalene	ND	0.80	1.6	"		ND				20	
Propionitrile	ND	5.0	10	"		ND				20	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Duplicate (B3K0307-DUP1) **Source: 2308808-01** Analyzed: 11/09/23 13:26											
n-Propylbenzene	ND	0.25	0.50	ug/L		ND				20	
Styrene	ND	0.25	0.50	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"		ND				20	
Tetrachloroethene (PCE)	ND	0.25	0.50	"		ND				20	
Toluene	ND	0.25	0.50	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.40	0.80	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.25	0.50	"		ND				20	
1,1,1-Trichloroethane	ND	0.25	0.50	"		ND				20	
1,1,2-Trichloroethane	ND	0.25	0.50	"		ND				20	
Trichloroethene (TCE)	ND	0.25	0.50	"		ND				20	
Trichlorofluoromethane	ND	0.25	0.50	"		ND				20	
1,2,3-Trichloropropane	ND	0.25	0.50	"		ND				20	
1,2,4-Trimethylbenzene	0.280	0.25	0.50	"		0.490			55	20	QR-05, J
1,3,5-Trimethylbenzene	ND	0.25	0.50	"		ND				20	
Vinyl acetate	ND	1.0	2.0	"		ND				20	
Vinyl chloride	ND	0.25	0.50	"		ND				20	
Xylenes (total)	ND	0.27	0.50	"		ND				20	
Surrogate: Dibromofluoromethane			*12.4*	*"*	*12.5*		*99*	*82-123*			
Surrogate: Toluene-d8			*12.4*	*"*	*12.5*		*99*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.6*	*"*	*12.5*		*101*	*76-121*			
Matrix Spike (B3K0307-MS1) **Source: 2308807-01** Analyzed: 11/09/23 15:08											
Acetone	24.2	10	20	ug/L	20.0	ND	121	10-191			
Acrolein	63.5	5.0	10	"	37.5	ND	169	10-253			
Acrylonitrile	50.6	5.0	10	"	37.5	ND	135	32-212			
t-Amyl Methyl Ether	11.7	0.25	0.50	"	10.0	ND	117	54-153			
Benzene	11.0	0.25	0.50	"	10.0	ND	110	25-162			
Bromobenzene	10.3	0.25	0.50	"	10.0	ND	103	10-174			
Bromochloromethane	11.3	0.25	0.50	"	10.0	ND	113	38-155			
Bromodichloromethane	11.2	0.25	0.50	"	10.0	ND	112	39-151			
Bromoform	10.3	0.25	0.50	"	10.0	ND	103	12-166			
Bromomethane	6.29	0.25	0.50	"	10.0	ND	63	10-185			
2-Butanone (MEK)	22.7	5.0	10	"	20.0	ND	113	10-238			
t-Butyl alcohol	73.8	6.5	13	"	50.0	ND	148	51-212			
n-Butylbenzene	11.9	0.25	0.50	"	10.0	ND	119	10-200			
sec-Butylbenzene	11.9	0.25	0.50	"	10.0	ND	119	10-210			
tert-Butylbenzene	11.2	0.25	0.50	"	10.0	ND	112	10-189			
Carbon disulfide	22.7	0.70	1.4	"	20.0	ND	113	10-157			
Carbon tetrachloride	10.1	0.25	0.50	"	10.0	ND	101	36-163			
Chlorobenzene	10.6	0.25	0.50	"	10.0	ND	106	10-164			
Chloroethane	9.96	0.25	0.50	"	10.0	ND	100	13-181			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Matrix Spike (B3K0307-MS1) **Source: 2308807-01** Analyzed: 11/09/23 15:08											
Chloroform	10.3	0.25	0.50	ug/L	10.0	ND	103	47-152			
Chloromethane	9.35	0.25	0.50	"	10.0	ND	94	10-176			
2-Chlorotoluene	10.7	0.25	0.50	"	10.0	ND	107	10-175			
4-Chlorotoluene	11.1	0.25	0.50	"	10.0	ND	111	10-168			
Dibromochloromethane	9.80	0.25	0.50	"	10.0	ND	98	26-156			
1,2-Dibromo-3-chloropropane	11.2	0.75	1.0	"	10.0	ND	112	10-218			
1,2-Dibromoethane (EDB)	11.0	0.25	0.50	"	10.0	ND	110	28-164			
Dibromomethane	11.6	0.25	0.50	"	10.0	ND	116	36-170			
1,2-Dichlorobenzene	10.7	0.25	0.50	"	10.0	ND	107	10-180			
1,3-Dichlorobenzene	10.6	0.25	0.50	"	10.0	ND	106	10-172			
1,4-Dichlorobenzene	10.0	0.25	0.50	"	10.0	ND	100	10-170			
trans-1,4-Dichloro-2-butene	9.91	5.0	10	"	10.0	ND	99	10-183			J
Dichlorodifluoromethane	8.99	0.26	0.50	"	10.0	ND	90	10-215			
1,1-Dichloroethane	11.1	0.25	0.50	"	10.0	ND	111	43-156			
1,2-Dichloroethane	10.9	0.25	0.50	"	10.0	ND	109	48-156			
1,1-Dichloroethene	11.4	0.25	0.50	"	10.0	ND	114	22-164			
cis-1,2-Dichloroethene	11.4	0.25	0.50	"	10.0	ND	114	41-150			
trans-1,2-Dichloroethene	11.0	0.25	0.50	"	10.0	ND	110	37-148			
1,2-Dichloropropane	11.4	0.25	0.50	"	10.0	ND	114	38-153			
1,3-Dichloropropane	10.9	0.25	0.50	"	10.0	ND	109	28-160			
2,2-Dichloropropane	11.5	0.25	0.50	"	10.0	ND	115	32-189			
1,1-Dichloropropene	11.9	0.25	0.50	"	10.0	ND	119	37-154			
cis-1,3-Dichloropropene	11.1	0.25	0.50	"	10.0	ND	111	31-156			
trans-1,3-Dichloropropene	10.7	0.25	0.50	"	10.0	ND	107	21-175			
Diisopropyl Ether	11.3	0.25	0.50	"	10.0	ND	113	47-168			
1,4-Dioxane	1030	50	100	"	500	ND	205	28-257			
Ethanol	1350	250	500	"	750	ND	180	22-230			
Ethyl t-Butyl Ether	11.0	0.25	0.50	"	10.0	ND	110	53-150			
Ethylbenzene	11.1	0.25	0.50	"	10.0	ND	111	10-167			
Hexachlorobutadiene	14.6	0.25	0.50	"	10.0	ND	146	10-228			
2-Hexanone	21.5	0.25	0.50	"	20.0	ND	107	39-185			
Iodomethane	15.6	1.5	3.0	"	20.0	ND	78	10-226			
4-Isopropyl Toluene	12.2	0.25	0.50	"	10.0	ND	122	10-195			
Isopropylbenzene	10.8	0.25	0.50	"	10.0	ND	108	10-174			
4-Methyl-2-pentanone (MIBK)	22.7	1.0	2.0	"	20.0	ND	113	45-192			
Methylene chloride	10.8	0.35	0.50	"	10.0	ND	108	17-178			
Methyl-t-butyl ether	11.5	0.25	0.50	"	10.0	ND	115	47-176			
Naphthalene	10.1	0.80	1.6	"	10.0	ND	101	10-225			
n-Propylbenzene	10.6	0.25	0.50	"	10.0	ND	106	10-180			
Styrene	10.2	0.25	0.50	"	10.0	ND	102	10-155			
1,1,1,2-Tetrachloroethane	10.2	0.25	0.50	"	10.0	ND	102	17-156			
1,1,2,2-Tetrachloroethane	11.4	0.25	0.50	"	10.0	ND	114	21-176			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Matrix Spike (B3K0307-MS1) **Source: 2308807-01** Analyzed: 11/09/23 15:08											
Tetrachloroethene (PCE)	11.7	0.25	0.50	ug/L	10.0	ND	117	10-176			
Toluene	11.2	0.25	0.50	"	10.0	ND	112	10-163			
1,2,3-Trichlorobenzene	9.76	0.40	0.80	"	10.0	ND	98	10-208			
1,2,4-Trichlorobenzene	9.77	0.25	0.50	"	10.0	ND	98	10-207			
1,1,1-Trichloroethane	10.3	0.25	0.50	"	10.0	ND	103	40-157			
1,1,2-Trichloroethane	11.4	0.25	0.50	"	10.0	ND	114	31-168			
Trichloroethene (TCE)	11.0	0.25	0.50	"	10.0	ND	110	26-165			
Trichlorofluoromethane	10.1	0.25	0.50	"	10.0	ND	101	34-168			
1,2,3-Trichloropropane	11.5	0.25	0.50	"	10.0	ND	115	24-184			
1,2,4-Trimethylbenzene	10.7	0.25	0.50	"	10.0	ND	107	10-170			
1,3,5-Trimethylbenzene	11.2	0.25	0.50	"	10.0	ND	112	10-171			
Vinyl acetate	23.1	1.0	2.0	"	20.0	ND	116	10-187			
Vinyl chloride	10.1	0.25	0.50	"	10.0	ND	101	17-185			
Xylenes (total)	31.6	0.27	0.50	"	30.0	ND	105	10-166			
Surrogate: Dibromofluoromethane			*12.8*	"	*12.5*		*103*	*82-123*			
Surrogate: Toluene-d8			*12.8*	"	*12.5*		*102*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.6*	"	*12.5*		*101*	*76-121*			
Matrix Spike (B3K0307-MS3) **Source: 2308808-02** Analyzed: 11/09/23 15:34											
Acetonitrile	134	5.0	10	ug/L	50.0	ND	267	70-130			**QM-07**
Allyl chloride	5.79	2.5	5.0	"	5.00	ND	116	70-130			
Chloroprene	5.99	0.50	1.0	"	5.00	ND	120	70-130			
Ethyl Methacrylate	5.33	0.50	1.0	"	5.00	ND	107	70-130			
Isobutyl alcohol	660	10	20	"	100	ND	660	70-130			**QM-07**
Methacrylonitrile	80.9	2.5	5.0	"	50.0	ND	162	70-130			**QM-07**
Methyl Methacrylate	6.46	0.50	2.0	"	5.00	ND	129	70-130			
Propionitrile	181	5.0	10	"	50.0	ND	361	70-130			**QM-07**
Surrogate: Dibromofluoromethane			*12.3*	"	*12.5*		*98*	*80-124*			
Surrogate: Toluene-d8			*13.1*	"	*12.5*		*105*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.6*	"	*12.5*		*101*	*75-120*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00

Blank (B3K0356-BLK1) Analyzed: 11/11/23 12:02

Acetone	ND	10	20	ug/L
Acrylonitrile	ND	5.0	10	"
t-Amyl Methyl Ether	ND	0.25	0.50	"
Benzene	ND	0.25	0.50	"
Bromobenzene	ND	0.25	0.50	"
Bromochloromethane	ND	0.25	0.50	"
Bromodichloromethane	ND	0.25	0.50	"
Bromoform	ND	0.25	0.50	"
Bromomethane	ND	0.25	0.50	"
2-Butanone (MEK)	ND	5.0	10	"
t-Butyl alcohol	ND	6.5	13	"
n-Butylbenzene	ND	0.25	0.50	"
sec-Butylbenzene	ND	0.25	0.50	"
tert-Butylbenzene	ND	0.25	0.50	"
Carbon disulfide	ND	0.70	1.4	"
Carbon tetrachloride	ND	0.25	0.50	"
Chlorobenzene	ND	0.25	0.50	"
Chloroethane	ND	0.25	0.50	"
Chloroform	ND	0.25	0.50	"
Chloromethane	ND	0.25	0.50	"
2-Chlorotoluene	ND	0.25	0.50	"
4-Chlorotoluene	ND	0.25	0.50	"
Dibromochloromethane	ND	0.25	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.75	1.0	"
1,2-Dibromoethane (EDB)	ND	0.25	0.50	"
Dibromomethane	ND	0.25	0.50	"
1,2-Dichlorobenzene	ND	0.25	0.50	"
1,3-Dichlorobenzene	ND	0.25	0.50	"
1,4-Dichlorobenzene	ND	0.25	0.50	"
trans-1,4-Dichloro-2-butene	ND	5.0	10	"
Dichlorodifluoromethane	ND	0.26	0.50	"
1,1-Dichloroethane	ND	0.25	0.50	"
1,2-Dichloroethane	ND	0.25	0.50	"
1,1-Dichloroethene	ND	0.25	0.50	"
cis-1,2-Dichloroethene	ND	0.25	0.50	"
trans-1,2-Dichloroethene	ND	0.25	0.50	"
1,2-Dichloropropane	ND	0.25	0.50	"
1,3-Dichloropropane	ND	0.25	0.50	"
2,2-Dichloropropane	ND	0.25	0.50	"
1,1-Dichloropropene	ND	0.25	0.50	"
cis-1,3-Dichloropropene	ND	0.25	0.50	"
trans-1,3-Dichloropropene	ND	0.25	0.50	"

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Blank (B3K0356-BLK1)			Analyzed: 11/11/23 12:02								
Diisopropyl Ether	ND	0.25	0.50	ug/L							
1,4-Dioxane	ND	50	100	"							
Ethanol	ND	250	500	"							
Ethyl t-Butyl Ether	ND	0.25	0.50	"							
Ethylbenzene	ND	0.25	0.50	"							
Hexachlorobutadiene	ND	0.25	0.50	"							
2-Hexanone	ND	0.25	0.50	"							
Iodomethane	ND	1.5	3.0	"							
4-Isopropyl Toluene	ND	0.25	0.50	"							
Isopropylbenzene	ND	0.25	0.50	"							
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	"							
Methylene chloride	ND	0.35	0.50	"							
Methyl-t-butyl ether	ND	0.25	0.50	"							
Naphthalene	ND	0.80	1.6	"							
n-Propylbenzene	ND	0.25	0.50	"							
Styrene	ND	0.25	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.25	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.25	0.50	"							
Tetrachloroethene (PCE)	ND	0.25	0.50	"							
Toluene	ND	0.25	0.50	"							
1,2,3-Trichlorobenzene	ND	0.40	0.80	"							
1,2,4-Trichlorobenzene	ND	0.25	0.50	"							
1,1,1-Trichloroethane	ND	0.25	0.50	"							
1,1,2-Trichloroethane	ND	0.25	0.50	"							
Trichloroethene (TCE)	ND	0.25	0.50	"							
Trichlorofluoromethane	ND	0.25	0.50	"							
1,2,3-Trichloropropane	ND	0.25	0.50	"							
1,2,4-Trimethylbenzene	ND	0.25	0.50	"							
1,3,5-Trimethylbenzene	ND	0.25	0.50	"							
Vinyl acetate	ND	1.0	2.0	"							
Vinyl chloride	ND	0.25	0.50	"							
Xylenes (total)	ND	0.27	0.50	"							
Surrogate: Dibromofluoromethane			*13.6*	"	*12.5*		*109*	*80-124*			
Surrogate: Toluene-d8			*11.2*	"	*12.5*		*89*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.8*	"	*12.5*		*102*	*75-120*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
LCS (B3K0356-BS1)				Analyzed: 11/11/23 10:46							
Acetone	15.2	10	20	ug/L	50.0		30	10-189			J
Acrylonitrile	35.5	5.0	10	"	37.5		95	55-160			
t-Amyl Methyl Ether	8.87	0.25	0.50	"	10.0		89	40-159			
Benzene	9.28	0.25	0.50	"	10.0		93	66-147			
Bromobenzene	11.9	0.25	0.50	"	10.0		119	59-152			
Bromochloromethane	10.6	0.25	0.50	"	10.0		106	63-147			
Bromodichloromethane	9.14	0.25	0.50	"	10.0		91	74-139			
Bromoform	10.5	0.25	0.50	"	10.0		105	46-153			
Bromomethane	8.46	0.25	0.50	"	10.0		85	10-170			
2-Butanone (MEK)	38.5	5.0	10	"	50.0		77	10-199			
t-Butyl alcohol	69.8	6.5	13	"	50.0		140	42-211			
n-Butylbenzene	8.65	0.25	0.50	"	10.0		86	29-205			
sec-Butylbenzene	10.7	0.25	0.50	"	10.0		107	50-186			
tert-Butylbenzene	9.81	0.25	0.50	"	10.0		98	57-165			
Carbon disulfide	188	0.70	1.4	"	50.0		377	10-192			QM-11
Carbon tetrachloride	12.1	0.25	0.50	"	10.0		121	56-162			
Chlorobenzene	10.4	0.25	0.50	"	10.0		104	66-146			
Chloroethane	9.10	0.25	0.50	"	10.0		91	31-169			
Chloroform	9.40	0.25	0.50	"	10.0		94	71-142			
Chloromethane	5.33	0.25	0.50	"	10.0		53	17-185			
2-Chlorotoluene	10.5	0.25	0.50	"	10.0		105	57-152			
4-Chlorotoluene	10.2	0.25	0.50	"	10.0		102	54-156			
Dibromochloromethane	10.6	0.25	0.50	"	10.0		106	64-138			
1,2-Dibromo-3-chloropropane	7.80	0.75	1.0	"	10.0		78	14-200			
1,2-Dibromoethane (EDB)	10.3	0.25	0.50	"	10.0		103	67-143			
Dibromomethane	11.6	0.25	0.50	"	10.0		116	69-151			
1,2-Dichlorobenzene	10.5	0.25	0.50	"	10.0		105	59-151			
1,3-Dichlorobenzene	10.4	0.25	0.50	"	10.0		104	54-157			
1,4-Dichlorobenzene	10.5	0.25	0.50	"	10.0		105	50-154			
trans-1,4-Dichloro-2-butene	9.19	5.0	10	"	10.0		92	39-160			J
Dichlorodifluoromethane	2.90	0.26	0.50	"	10.0		29	10-207			
1,1-Dichloroethane	9.14	0.25	0.50	"	10.0		91	67-149			
1,2-Dichloroethane	9.55	0.25	0.50	"	10.0		96	64-151			
1,1-Dichloroethene	9.97	0.25	0.50	"	10.0		100	35-168			
cis-1,2-Dichloroethene	9.84	0.25	0.50	"	10.0		98	68-142			
trans-1,2-Dichloroethene	9.91	0.25	0.50	"	10.0		99	57-151			
1,2-Dichloropropane	8.45	0.25	0.50	"	10.0		84	74-141			
1,3-Dichloropropane	8.77	0.25	0.50	"	10.0		88	71-135			
2,2-Dichloropropane	12.0	0.25	0.50	"	10.0		120	52-190			
1,1-Dichloropropene	10.2	0.25	0.50	"	10.0		102	57-168			
cis-1,3-Dichloropropene	9.18	0.25	0.50	"	10.0		92	73-147			
trans-1,3-Dichloropropene	10.1	0.25	0.50	"	10.0		101	71-156			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
LCS (B3K0356-BS1)				Analyzed: 11/11/23 10:46							
Diisopropyl Ether	10.4	0.25	0.50	ug/L	10.0		104	77-144			
1,4-Dioxane	996	50	100	"	500		199	20-186			
Ethanol	744	250	500	"	750		99	16-205			
Ethyl t-Butyl Ether	8.48	0.25	0.50	"	10.0		85	32-163			
Ethylbenzene	11.0	0.25	0.50	"	10.0		110	62-153			
Hexachlorobutadiene	11.4	0.25	0.50	"	10.0		114	10-235			
2-Hexanone	34.0	0.25	0.50	"	50.0		68	34-168			
Iodomethane	106	1.5	3.0	"	50.0		212	10-209			QM-11
4-Isopropyl Toluene	10.8	0.25	0.50	"	10.0		108	46-185			
Isopropylbenzene	10.9	0.25	0.50	"	10.0		109	49-176			
4-Methyl-2-pentanone (MIBK)	34.3	1.0	2.0	"	50.0		69	38-170			
Methylene chloride	8.85	0.35	0.50	"	10.0		88	54-159			
Methyl-t-butyl ether	8.94	0.25	0.50	"	10.0		89	17-188			
Naphthalene	9.51	0.80	1.6	"	10.0		95	29-199			
n-Propylbenzene	10.5	0.25	0.50	"	10.0		105	47-171			
Styrene	10.0	0.25	0.50	"	10.0		100	58-157			
1,1,1,2-Tetrachloroethane	10.6	0.25	0.50	"	10.0		106	66-135			
1,1,2,2-Tetrachloroethane	8.64	0.25	0.50	"	10.0		86	49-165			
Tetrachloroethene (PCE)	13.0	0.25	0.50	"	10.0		130	48-170			
Toluene	9.93	0.25	0.50	"	10.0		99	69-147			
1,2,3-Trichlorobenzene	9.86	0.40	0.80	"	10.0		99	32-182			
1,2,4-Trichlorobenzene	10.5	0.25	0.50	"	10.0		105	24-198			
1,1,1-Trichloroethane	10.9	0.25	0.50	"	10.0		109	62-154			
1,1,2-Trichloroethane	9.34	0.25	0.50	"	10.0		93	68-143			
Trichloroethene (TCE)	11.6	0.25	0.50	"	10.0		116	62-156			
Trichlorofluoromethane	10.0	0.25	0.50	"	10.0		100	53-162			
1,2,3-Trichloropropane	9.88	0.25	0.50	"	10.0		99	40-173			
1,2,4-Trimethylbenzene	9.72	0.25	0.50	"	10.0		97	57-157			
1,3,5-Trimethylbenzene	9.34	0.25	0.50	"	10.0		93	56-157			
Vinyl acetate	64.4	1.0	2.0	"	50.0		129	10-201			
Vinyl chloride	7.13	0.25	0.50	"	10.0		71	25-192			
Xylenes (total)	33.0	0.27	0.50	"	30.0		110	60-151			
Surrogate: Dibromofluoromethane			*12.8*	"	*12.5*		*103*	*80-124*			
Surrogate: Toluene-d8			*11.7*	"	*12.5*		*94*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*14.7*	"	*12.5*		*118*	*75-120*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
LCS Dup (B3K0356-BSD1)				Analyzed: 11/11/23 11:11							
Acetone	15.3	10	20	ug/L	50.0		31	10-189	0.2	20	J
Acrylonitrile	34.5	5.0	10	"	37.5		92	55-160	3	20	
t-Amyl Methyl Ether	9.15	0.25	0.50	"	10.0		92	40-159	3	20	
Benzene	9.45	0.25	0.50	"	10.0		94	66-147	2	20	
Bromobenzene	12.4	0.25	0.50	"	10.0		124	59-152	3	20	
Bromochloromethane	10.6	0.25	0.50	"	10.0		106	63-147	0	20	
Bromodichloromethane	9.54	0.25	0.50	"	10.0		95	74-139	4	20	
Bromoform	11.0	0.25	0.50	"	10.0		110	46-153	5	20	
Bromomethane	8.34	0.25	0.50	"	10.0		83	10-170	1	20	
2-Butanone (MEK)	39.0	5.0	10	"	50.0		78	10-199	2	20	
t-Butyl alcohol	67.8	6.5	13	"	50.0		136	42-211	3	20	
n-Butylbenzene	9.01	0.25	0.50	"	10.0		90	29-205	4	20	
sec-Butylbenzene	10.8	0.25	0.50	"	10.0		108	50-186	2	20	
tert-Butylbenzene	10.1	0.25	0.50	"	10.0		101	57-165	3	20	
Carbon disulfide	187	0.70	1.4	"	50.0		375	10-192	0.6	20	QM-11
Carbon tetrachloride	12.1	0.25	0.50	"	10.0		121	56-162	0	20	
Chlorobenzene	10.6	0.25	0.50	"	10.0		106	66-146	2	20	
Chloroethane	9.42	0.25	0.50	"	10.0		94	31-169	3	20	
Chloroform	9.43	0.25	0.50	"	10.0		94	71-142	0.3	20	
Chloromethane	5.32	0.25	0.50	"	10.0		53	17-185	0.2	20	
2-Chlorotoluene	10.8	0.25	0.50	"	10.0		108	57-152	3	20	
4-Chlorotoluene	10.5	0.25	0.50	"	10.0		105	54-156	3	20	
Dibromochloromethane	10.8	0.25	0.50	"	10.0		108	64-138	2	20	
1,2-Dibromo-3-chloropropane	8.76	0.75	1.0	"	10.0		88	14-200	12	20	
1,2-Dibromoethane (EDB)	10.3	0.25	0.50	"	10.0		103	67-143	0.1	20	
Dibromomethane	11.8	0.25	0.50	"	10.0		118	69-151	2	20	
1,2-Dichlorobenzene	10.8	0.25	0.50	"	10.0		108	59-151	3	20	
1,3-Dichlorobenzene	11.0	0.25	0.50	"	10.0		110	54-157	6	20	
1,4-Dichlorobenzene	10.9	0.25	0.50	"	10.0		109	50-154	3	20	
trans-1,4-Dichloro-2-butene	9.32	5.0	10	"	10.0		93	39-160	1	200	J
Dichlorodifluoromethane	3.11	0.26	0.50	"	10.0		31	10-207	7	20	
1,1-Dichloroethane	9.10	0.25	0.50	"	10.0		91	67-149	0.4	20	
1,2-Dichloroethane	9.89	0.25	0.50	"	10.0		99	64-151	3	20	
1,1-Dichloroethene	10.3	0.25	0.50	"	10.0		103	35-168	3	20	
cis-1,2-Dichloroethene	10.2	0.25	0.50	"	10.0		102	68-142	3	20	
trans-1,2-Dichloroethene	9.91	0.25	0.50	"	10.0		99	57-151	0	20	
1,2-Dichloropropane	8.46	0.25	0.50	"	10.0		85	74-141	0.1	20	
1,3-Dichloropropane	8.88	0.25	0.50	"	10.0		89	71-135	1	20	
2,2-Dichloropropane	12.3	0.25	0.50	"	10.0		123	52-190	2	20	
1,1-Dichloropropene	10.2	0.25	0.50	"	10.0		102	57-168	0.4	20	
cis-1,3-Dichloropropene	9.32	0.25	0.50	"	10.0		93	73-147	2	20	
trans-1,3-Dichloropropene	10.2	0.25	0.50	"	10.0		102	71-156	1	20	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
LCS Dup (B3K0356-BSD1)				Analyzed: 11/11/23 11:11							
Diisopropyl Ether	10.4	0.25	0.50	ug/L	10.0		104	77-144	0.1	20	
1,4-Dioxane	998	50	100	"	500		200	20-186	0.2	200	
Ethanol	756	250	500	"	750		101	16-205	2	20	
Ethyl t-Butyl Ether	8.58	0.25	0.50	"	10.0		86	32-163	1	20	
Ethylbenzene	11.1	0.25	0.50	"	10.0		111	62-153	1	20	
Hexachlorobutadiene	12.1	0.25	0.50	"	10.0		121	10-235	7	20	
2-Hexanone	33.7	0.25	0.50	"	50.0		67	34-168	1	20	
Iodomethane	103	1.5	3.0	"	50.0		207	10-209	2	200	
4-Isopropyl Toluene	11.1	0.25	0.50	"	10.0		111	46-185	3	20	
Isopropylbenzene	11.4	0.25	0.50	"	10.0		114	49-176	5	20	
4-Methyl-2-pentanone (MIBK)	35.8	1.0	2.0	"	50.0		72	38-170	4	200	
Methylene chloride	8.77	0.35	0.50	"	10.0		88	54-159	0.9	20	
Methyl-t-butyl ether	9.11	0.25	0.50	"	10.0		91	17-188	2	20	
Naphthalene	10.4	0.80	1.6	"	10.0		104	29-199	9	20	
n-Propylbenzene	10.8	0.25	0.50	"	10.0		108	47-171	3	20	
Styrene	10.2	0.25	0.50	"	10.0		102	58-157	2	20	
1,1,1,2-Tetrachloroethane	10.9	0.25	0.50	"	10.0		109	66-135	3	20	
1,1,2,2-Tetrachloroethane	8.27	0.25	0.50	"	10.0		83	49-165	4	20	
Tetrachloroethene (PCE)	13.3	0.25	0.50	"	10.0		133	48-170	2	20	
Toluene	9.92	0.25	0.50	"	10.0		99	69-147	0.1	20	
1,2,3-Trichlorobenzene	10.6	0.40	0.80	"	10.0		106	32-182	7	20	
1,2,4-Trichlorobenzene	11.2	0.25	0.50	"	10.0		112	24-198	7	20	
1,1,1-Trichloroethane	11.1	0.25	0.50	"	10.0		111	62-154	2	20	
1,1,2-Trichloroethane	9.42	0.25	0.50	"	10.0		94	68-143	0.9	20	
Trichloroethene (TCE)	11.7	0.25	0.50	"	10.0		117	62-156	0.9	20	
Trichlorofluoromethane	10.3	0.25	0.50	"	10.0		103	53-162	3	20	
1,2,3-Trichloropropane	9.74	0.25	0.50	"	10.0		97	40-173	1	20	
1,2,4-Trimethylbenzene	10.1	0.25	0.50	"	10.0		101	57-157	4	20	
1,3,5-Trimethylbenzene	9.87	0.25	0.50	"	10.0		99	56-157	6	20	
Vinyl acetate	62.0	1.0	2.0	"	50.0		124	10-201	4	20	
Vinyl chloride	7.25	0.25	0.50	"	10.0		72	25-192	2	20	
Xylenes (total)	34.1	0.27	0.50	"	30.0		114	60-151	3	20	
Surrogate: Dibromofluoromethane			*12.7*	"	*12.5*		*102*	*80-124*			
Surrogate: Toluene-d8			*11.5*	"	*12.5*		*92*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*14.6*	"	*12.5*		*117*	*75-120*			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Duplicate (B3K0356-DUP1)	**Source: 2308807-05**		Analyzed: 11/11/23 20:12								
Acetone	4630	500	1000	ug/L		4560			2	20	
Acrylonitrile	ND	250	500	"		ND				20	
t-Amyl Methyl Ether	ND	12	25	"		ND				20	
Benzene	ND	12	25	"		ND				20	
Bromobenzene	ND	12	25	"		ND				20	
Bromochloromethane	ND	12	25	"		ND				20	
Bromodichloromethane	ND	12	25	"		ND				20	
Bromoform	ND	12	25	"		ND				20	
Bromomethane	ND	12	25	"		ND				20	
2-Butanone (MEK)	4790	250	500	"		4680			2	20	
t-Butyl alcohol	1430	320	650	"		1400			2	20	
n-Butylbenzene	ND	12	25	"		ND				20	
sec-Butylbenzene	ND	12	25	"		ND				20	
tert-Butylbenzene	ND	12	25	"		ND				20	
Carbon disulfide	ND	35	70	"		ND				20	
Carbon tetrachloride	ND	12	25	"		ND				20	
Chlorobenzene	ND	12	25	"		ND				20	
Chloroethane	ND	12	25	"		ND				20	
Chloroform	ND	12	25	"		ND				20	
Chloromethane	ND	12	25	"		ND				20	
2-Chlorotoluene	ND	12	25	"		ND				20	
4-Chlorotoluene	ND	12	25	"		ND				20	
Dibromochloromethane	ND	12	25	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	38	50	"		ND				20	
1,2-Dibromoethane (EDB)	ND	12	25	"		ND				20	
Dibromomethane	ND	12	25	"		ND				20	
1,2-Dichlorobenzene	ND	12	25	"		ND				20	
1,3-Dichlorobenzene	ND	12	25	"		ND				20	
1,4-Dichlorobenzene	ND	12	25	"		ND				20	
trans-1,4-Dichloro-2-butene	ND	250	500	"		ND				20	
Dichlorodifluoromethane	ND	13	25	"		ND				20	
1,1-Dichloroethane	ND	12	25	"		ND				20	
1,2-Dichloroethane	ND	12	25	"		ND				20	
1,1-Dichloroethene	ND	12	25	"		ND				20	
cis-1,2-Dichloroethene	ND	12	25	"		ND				20	
trans-1,2-Dichloroethene	ND	12	25	"		ND				20	
1,2-Dichloropropane	ND	12	25	"		ND				20	
1,3-Dichloropropane	ND	12	25	"		ND				20	
2,2-Dichloropropane	ND	12	25	"		ND				20	
1,1-Dichloropropene	ND	12	25	"		ND				20	
cis-1,3-Dichloropropene	ND	12	25	"		ND				20	
trans-1,3-Dichloropropene	ND	12	25	"		ND				20	

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Duplicate (B3K0356-DUP1) **Source: 2308807-05** Analyzed: 11/11/23 20:12											
Diisopropyl Ether	ND	12	25	ug/L		ND				20	
1,4-Dioxane	ND	2500	5000	"		ND				20	
Ethanol	57,800	12,000	25,000	"		54,200			6	20	
Ethyl t-Butyl Ether	ND	12	25	"		ND				20	
Ethylbenzene	ND	12	25	"		ND				20	
Hexachlorobutadiene	ND	12	25	"		ND				20	
2-Hexanone	72.5	12	25	"		60.5			18	20	
Iodomethane	ND	75	150	"		ND				20	
4-Isopropyl Toluene	ND	12	25	"		ND				20	
Isopropylbenzene	ND	12	25	"		ND				20	
4-Methyl-2-pentanone (MIBK)	81.0	50	100	"		80.5			0.6	20	J
Methylene chloride	ND	18	25	"		ND				20	
Methyl-t-butyl ether	ND	12	25	"		ND				20	
Naphthalene	ND	40	80	"		ND				20	
n-Propylbenzene	ND	12	25	"		ND				20	
Styrene	ND	12	25	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	12	25	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	12	25	"		ND				20	
Tetrachloroethene (PCE)	ND	12	25	"		ND				20	
Toluene	ND	12	25	"		ND				20	
1,2,3-Trichlorobenzene	ND	20	40	"		ND				20	
1,2,4-Trichlorobenzene	ND	12	25	"		ND				20	
1,1,1-Trichloroethane	ND	12	25	"		ND				20	
1,1,2-Trichloroethane	ND	12	25	"		ND				20	
Trichloroethene (TCE)	ND	12	25	"		ND				20	
Trichlorofluoromethane	ND	12	25	"		ND				20	
1,2,3-Trichloropropane	ND	12	25	"		ND				20	
1,2,4-Trimethylbenzene	ND	12	25	"		ND				20	
1,3,5-Trimethylbenzene	ND	12	25	"		ND				20	
Vinyl acetate	ND	50	100	"		ND				20	
Vinyl chloride	ND	12	25	"		ND				20	
Xylenes (total)	ND	14	25	"		ND				20	
Surrogate: Dibromofluoromethane			*14.0*	"	*12.5*		*112*	*80-124*			
Surrogate: Toluene-d8			*11.3*	"	*12.5*		*90*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*12.7*	"	*12.5*		*102*	*75-120*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Matrix Spike (B3K0356-MS1)	**Source: 2308857-01**			Analyzed: 11/11/23 20:38							
Acetone	23.6	10	20	ug/L	50.0	ND	47	10-205			
Acrylonitrile	44.1	5.0	10	"	37.5	ND	118	37-221			
t-Amyl Methyl Ether	8.07	0.25	0.50	"	10.0	ND	81	50-164			
Benzene	7.08	0.25	0.50	"	10.0	ND	71	19-169			
Bromobenzene	3.45	0.25	0.50	"	10.0	ND	34	10-160			
Bromochloromethane	8.88	0.25	0.50	"	10.0	ND	89	31-160			
Bromodichloromethane	7.12	0.25	0.50	"	10.0	ND	71	30-159			
Bromoform	7.89	0.25	0.50	"	10.0	ND	79	10-159			
Bromomethane	8.73	0.25	0.50	"	10.0	ND	87	10-188			
2-Butanone (MEK)	61.3	5.0	10	"	50.0	ND	123	10-253			
t-Butyl alcohol	94.9	6.5	13	"	50.0	ND	190	52-210			
n-Butylbenzene	1.15	0.25	0.50	"	10.0	ND	12	10-190			
sec-Butylbenzene	2.43	0.25	0.50	"	10.0	ND	24	10-211			
tert-Butylbenzene	2.80	0.25	0.50	"	10.0	ND	28	41-201			QM-07
Carbon disulfide	249	0.70	1.4	"	50.0	ND	497	10-182			QM-11
Carbon tetrachloride	10.3	0.25	0.50	"	10.0	ND	103	25-171			
Chlorobenzene	4.37	0.25	0.50	"	10.0	ND	44	10-159			
Chloroethane	9.44	0.25	0.50	"	10.0	ND	94	10-199			
Chloroform	7.88	0.25	0.50	"	10.0	ND	79	41-157			
Chloromethane	7.72	0.25	0.50	"	10.0	ND	77	10-188			
2-Chlorotoluene	2.77	0.25	0.50	"	10.0	ND	28	10-176			
4-Chlorotoluene	2.01	0.25	0.50	"	10.0	ND	20	10-166			
Dibromochloromethane	7.51	0.25	0.50	"	10.0	ND	75	10-173			
1,2-Dibromo-3-chloropropane	7.60	0.75	1.0	"	10.0	ND	76	10-211			
1,2-Dibromoethane (EDB)	7.06	0.25	0.50	"	10.0	ND	71	16-171			
Dibromomethane	9.61	0.25	0.50	"	10.0	ND	96	30-170			
1,2-Dichlorobenzene	2.05	0.25	0.50	"	10.0	ND	20	10-170			
1,3-Dichlorobenzene	1.96	0.25	0.50	"	10.0	ND	20	10-164			
1,4-Dichlorobenzene	1.60	0.25	0.50	"	10.0	ND	16	10-162			
trans-1,4-Dichloro-2-butene	6.05	5.0	10	"	10.0	ND	60	10-190			J
Dichlorodifluoromethane	11.6	0.26	0.50	"	10.0	ND	116	10-203			
1,1-Dichloroethane	8.05	0.25	0.50	"	10.0	ND	80	33-169			
1,2-Dichloroethane	8.46	0.25	0.50	"	10.0	ND	85	40-166			
1,1-Dichloroethene	9.98	0.25	0.50	"	10.0	ND	100	13-175			
cis-1,2-Dichloroethene	7.97	0.25	0.50	"	10.0	ND	80	34-156			
trans-1,2-Dichloroethene	8.18	0.25	0.50	"	10.0	ND	82	27-158			
1,2-Dichloropropane	6.60	0.25	0.50	"	10.0	ND	66	29-162			
1,3-Dichloropropane	6.42	0.25	0.50	"	10.0	ND	64	11-177			
2,2-Dichloropropane	10.5	0.25	0.50	"	10.0	ND	105	18-205			
1,1-Dichloropropene	7.81	0.25	0.50	"	10.0	ND	78	20-172			
cis-1,3-Dichloropropene	5.89	0.25	0.50	"	10.0	ND	59	24-158			
trans-1,3-Dichloropropene	6.09	0.25	0.50	"	10.0	ND	61	10-191			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0356 - EPA 8260B Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Matrix Spike (B3K0356-MS1)	**Source: 2308857-01**			Analyzed: 11/11/23 20:38							
Diisopropyl Ether	9.62	0.25	0.50	ug/L	10.0	ND	96	44-181			
1,4-Dioxane	538	50	100	"	500	ND	108	70-130			QM-07
Ethanol	1360	250	500	"	750	ND	181	24-235			
Ethyl t-Butyl Ether	7.83	0.25	0.50	"	10.0	ND	78	52-162			
Ethylbenzene	3.95	0.25	0.50	"	10.0	ND	40	10-162			
Hexachlorobutadiene	1.21	0.25	0.50	"	10.0	ND	12	10-219			
2-Hexanone	45.4	0.25	0.50	"	50.0	ND	91	33-203			
Iodomethane	117	1.5	3.0	"	50.0	ND	234	10-225			QM-11
4-Isopropyl Toluene	1.74	0.25	0.50	"	10.0	ND	17	10-191			
Isopropylbenzene	3.41	0.25	0.50	"	10.0	ND	34	10-176			
4-Methyl-2-pentanone (MIBK)	46.7	1.0	2.0	"	50.0	ND	93	33-209			
Methylene chloride	7.40	0.35	0.50	"	10.0	ND	74	10-195			
Methyl-t-butyl ether	9.53	0.25	0.50	"	10.0	ND	95	36-195			
Naphthalene	2.13	0.80	1.6	"	10.0	ND	21	10-206			
n-Propylbenzene	2.55	0.25	0.50	"	10.0	ND	26	10-186			
Styrene	2.45	0.25	0.50	"	10.0	ND	24	10-150			
1,1,1,2-Tetrachloroethane	6.30	0.25	0.50	"	10.0	ND	63	10-163			
1,1,2,2-Tetrachloroethane	6.88	0.25	0.50	"	10.0	ND	69	16-173			
Tetrachloroethene (PCE)	7.04	0.25	0.50	"	10.0	ND	70	10-181			
Toluene	5.58	0.25	0.50	"	10.0	ND	56	10-165			
1,2,3-Trichlorobenzene	1.34	0.40	0.80	"	10.0	ND	13	10-187			
1,2,4-Trichlorobenzene	1.28	0.25	0.50	"	10.0	ND	13	10-179			
1,1,1-Trichloroethane	9.42	0.25	0.50	"	10.0	ND	94	31-169			
1,1,2-Trichloroethane	7.32	0.25	0.50	"	10.0	ND	73	15-184			
Trichloroethene (TCE)	7.87	0.25	0.50	"	10.0	ND	79	22-162			
Trichlorofluoromethane	11.2	0.25	0.50	"	10.0	ND	112	26-181			
1,2,3-Trichloropropane	8.15	0.25	0.50	"	10.0	ND	82	17-179			
1,2,4-Trimethylbenzene	1.72	0.25	0.50	"	10.0	ND	17	10-174			
1,3,5-Trimethylbenzene	2.19	0.25	0.50	"	10.0	ND	22	10-178			
Vinyl acetate	69.8	1.0	2.0	"	50.0	ND	140	10-204			
Vinyl chloride	9.52	0.25	0.50	"	10.0	ND	95	10-200			
Xylenes (total)	11.0	0.27	0.50	"	30.0	ND	37	10-162			
Surrogate: Dibromofluoromethane			*13.5*	"	*12.5*		*108*	*80-124*			
Surrogate: Toluene-d8			*11.5*	"	*12.5*		*92*	*77-118*			
Surrogate: 4-Bromofluorobenzene			*14.0*	"	*12.5*		*112*	*75-120*			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0307 - EPA 8260B TIC Preparation: EPA 5030B VOCGCMS 11/09/23 07:00											
Blank (B3K0307-BLK1) Analyzed: 11/09/23 11:19											
Tentatively Identified Compounds	ND	10	10	ug/L							
Duplicate (B3K0307-DUP1) **Source: 2308808-01** Analyzed: 11/09/23 13:26											
Tentatively Identified Compounds	ND	10	10	ug/L		ND				30	
Batch B3K0356 - EPA 8260B TIC Preparation: EPA 5030B VOCGCMS 11/11/23 08:00											
Blank (B3K0356-BLK1) Analyzed: 11/11/23 12:02											
Tentatively Identified Compounds	ND	10	10	ug/L							
Duplicate (B3K0356-DUP1) **Source: 2308807-05** Analyzed: 11/11/23 20:12											
1,8-Cineole	574			ug/L		514			11	30	

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Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K1254 - SRL 524M-TCP Preparation: EPA 5030B 11/15/23 07:53											
Blank (W3K1254-BLK1)					Analyzed: 11/15/23 21:54						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l							
LCS (W3K1254-BS1)					Analyzed: 11/15/23 20:58						
1,2,3-Trichloropropane	0.0174	0.0012	0.0050	ug/l	0.0200		87	80-120			
LCS Dup (W3K1254-BSD1)					Analyzed: 11/15/23 21:26						
1,2,3-Trichloropropane	0.0169	0.0012	0.0050	ug/l	0.0200		85	80-120	2	20	
Duplicate (W3K1254-DUP1)	**Source: 3K09001-01**				Analyzed: 11/15/23 22:49						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l		ND				20	
Batch W3K1514 - SRL 524M-TCP Preparation: EPA 5030B 11/17/23 08:08											
Blank (W3K1514-BLK1)					Analyzed: 11/17/23 20:13						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l							
LCS (W3K1514-BS1)					Analyzed: 11/17/23 19:17						
1,2,3-Trichloropropane	0.0175	0.0012	0.0050	ug/l	0.0200		87	80-120			
LCS Dup (W3K1514-BSD1)					Analyzed: 11/17/23 19:45						
1,2,3-Trichloropropane	0.0175	0.0012	0.0050	ug/l	0.0200		88	80-120	0.4	20	
Duplicate (W3K1514-DUP1)	**Source: 3K09096-01**				Analyzed: 11/17/23 21:08						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l		ND				20	

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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Chlorinated Herbicides by GC/ECD - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0991 - EPA 8151A Preparation: EPA 3510C 11/13/23 08:29											
Blank (W3K0991-BLK1) Analyzed: 12/10/23 14:50											
2,4-D	ND	0.34	0.50	ug/l							
2,4-DB	ND	0.99	2.5	"							
2,4,5-T	ND	0.14	0.25	"							
2,4,5-TP (Silvex)	ND	0.14	0.25	"							
3,5-Dichlorobenzoic acid	ND	0.28	1.2	"							
4-Nitrophenol	ND	0.50	1.2	"							
Acifluorfen	ND	0.24	0.50	"							
Bentazon	ND	0.55	2.5	"							
Dalapon	ND	0.16	0.50	"							
Dicamba	ND	0.19	0.75	"							
Dichloroprop	ND	0.24	1.0	"							
Dinoseb	ND	0.090	0.50	"							
DCPA	ND	0.20	0.25	"							
MCPA	ND	40	100	"							
MCPP	ND	27	100	"							
Pentachlorophenol	ND	0.18	0.25	"							
Picloram	ND	0.13	0.75	"							
Surrogate: 2,4-DCAA			*19.4*	*"*	*20.0*		*97*	*56-156*			
LCS (W3K0991-BS1) Analyzed: 12/10/23 15:22											
2,4-D	3.51	0.34	0.50	ug/l	3.00		117	56-164			
2,4-DB	4.94	0.99	2.5	"	6.00		82	27-161			
2,4,5-T	1.74	0.14	0.25	"	1.50		116	39-151			
2,4,5-TP (Silvex)	1.60	0.14	0.25	"	1.50		107	46-142			
3,5-Dichlorobenzoic acid	3.14	0.28	1.2	"	3.00		105	54-154			
4-Nitrophenol	3.71	0.50	1.2	"	6.00		62	3-105			
Acifluorfen	1.72	0.24	0.50	"	1.50		115	39-134			
Bentazon	8.57	0.55	2.5	"	6.00		143	44-139			Q-08
Dalapon	3.32	0.16	0.50	"	3.00		111	40-139			
Dicamba	3.10	0.19	0.75	"	3.00		103	46-140			
Dichloroprop	3.23	0.24	1.0	"	3.00		108	43-158			
Dinoseb	1.65	0.090	0.50	"	1.50		110	42-146			
DCPA	0.908	0.20	0.25	"	1.50		61	34-135			
MCPA	289	40	100	"	300		96	28-144			
MCPP	205	27	100	"	300		68	31-153			
Pentachlorophenol	1.65	0.18	0.25	"	1.50		110	37-136			
Picloram	1.77	0.13	0.75	"	1.50		118	35-138			
Surrogate: 2,4-DCAA			*22.9*	*"*	*20.0*		*114*	*56-156*			

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Chlorinated Herbicides by GC/ECD - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0991 - EPA 8151A Preparation: EPA 3510C 11/13/23 08:29											
LCS Dup (W3K0991-BSD1)				Analyzed: 12/10/23 15:53							
2,4-D	3.76	0.34	0.50	ug/l	3.00		125	56-164	7	25	
2,4-DB	5.53	0.99	2.5	"	6.00		92	27-161	11	25	
2,4,5-T	1.76	0.14	0.25	"	1.50		117	39-151	1	25	
2,4,5-TP (Silvex)	1.78	0.14	0.25	"	1.50		119	46-142	10	25	
3,5-Dichlorobenzoic acid	3.10	0.28	1.2	"	3.00		103	54-154	1	25	
4-Nitrophenol	2.69	0.50	1.2	"	6.00		45	3-105	32	25	Q-12
Acifluorfen	1.96	0.24	0.50	"	1.50		131	39-134	13	25	
Bentazon	7.99	0.55	2.5	"	6.00		133	44-139	7	25	
Dalapon	3.35	0.16	0.50	"	3.00		112	40-139	0.9	25	
Dicamba	2.93	0.19	0.75	"	3.00		98	46-140	6	25	
Dichloroprop	3.35	0.24	1.0	"	3.00		112	43-158	4	25	
Dinoseb	1.45	0.090	0.50	"	1.50		97	42-146	13	25	
DCPA	0.968	0.20	0.25	"	1.50		65	34-135	6	25	
MCPA	286	40	100	"	300		95	28-144	1	25	
MCPP	200	27	100	"	300		67	31-153	2	25	
Pentachlorophenol	1.61	0.18	0.25	"	1.50		107	37-136	3	25	
Picloram	1.61	0.13	0.75	"	1.50		108	35-138	9	25	
Surrogate: 2,4-DCAA			*21.2*	"	*20.0*		*106*	*56-156*			

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Organochlorine Pesticides by GC/ECD/ECD - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0419 - EPA 8081A Preparation: EPA 3510C 11/13/23 06:09											
Blank (B3K0419-BLK1)				Analyzed: 11/17/23 03:47							
alpha-BHC	ND	0.070	0.10	ug/L							
alpha-Chlordane	ND	0.050	0.10	"							
Aldrin	ND	0.060	0.10	"							
beta-BHC	ND	0.050	0.10	"							
delta-BHC	ND	0.060	0.10	"							
4,4´-DDD	ND	0.050	0.10	"							
4,4´-DDE	ND	0.060	0.10	"							
4,4´-DDT	ND	0.050	0.10	"							
Dieldrin	ND	0.060	0.10	"							
Endosulfan I	ND	0.050	0.10	"							
Endosulfan II	ND	0.050	0.10	"							
Endosulfan sulfate	ND	0.050	0.10	"							
Endrin	ND	0.050	0.10	"							
Endrin aldehyde	ND	0.050	0.10	"							
Endrin ketone	ND	0.050	0.10	"							
gamma-BHC	ND	0.060	0.10	"							
gamma-Chlordane	ND	0.050	0.10	"							
Heptachlor	ND	0.070	0.10	"							
Heptachlor epoxide	ND	0.060	0.10	"							
Methoxychlor	ND	0.060	0.10	"							
Chlordane (tech)	ND	0.30	0.50	"							
Toxaphene	ND	0.20	0.50	"							
Surrogate: Decachlorobiphenyl			*0.244*	*"*	*0.250*		*98*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.177*	*"*	*0.250*		*71*	*10-125*			
LCS (B3K0419-BS1)				Analyzed: 11/17/23 03:21							
alpha-BHC	0.159	0.070	0.10	ug/L	0.200		80	48-90			
alpha-Chlordane	0.170	0.050	0.10	"	0.200		85	47-106			
Aldrin	0.153	0.060	0.10	"	0.200		76	31-102			
beta-BHC	0.163	0.050	0.10	"	0.200		81	54-98			
delta-BHC	0.164	0.060	0.10	"	0.200		82	50-109			
4,4´-DDD	0.171	0.050	0.10	"	0.200		85	49-118			
4,4´-DDE	0.171	0.060	0.10	"	0.200		85	40-127			
4,4´-DDT	0.236	0.050	0.10	"	0.200		118	47-145			
Dieldrin	0.170	0.060	0.10	"	0.200		85	49-108			
Endosulfan I	0.172	0.050	0.10	"	0.200		86	45-102			
Endosulfan II	0.186	0.050	0.10	"	0.200		93	48-115			
Endosulfan sulfate	0.224	0.050	0.10	"	0.200		112	61-131			
Endrin	0.170	0.050	0.10	"	0.200		85	47-116			
Endrin aldehyde	0.202	0.050	0.10	"	0.200		101	56-133			
Endrin ketone	0.222	0.050	0.10	"	0.200		111	64-124			
gamma-BHC	0.162	0.060	0.10	"	0.200		81	46-101			

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Organochlorine Pesticides by GC/ECD/ECD - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0419 - EPA 8081A Preparation: EPA 3510C 11/13/23 06:09											
LCS (B3K0419-BS1)				Analyzed: 11/17/23 03:21							
gamma-Chlordane	0.156	0.050	0.10	ug/L	0.200		78	44-100			
Heptachlor	0.152	0.070	0.10	"	0.200		76	29-101			
Heptachlor epoxide	0.164	0.060	0.10	"	0.200		82	47-107			
Methoxychlor	0.250	0.060	0.10	"	0.200		125	60-156			
Surrogate: Decachlorobiphenyl			*0.204*	"	*0.250*		*81*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.121*	"	*0.250*		*49*	*10-125*			
LCS Dup (B3K0419-BSD1)				Analyzed: 11/17/23 03:34							
alpha-BHC	0.157	0.070	0.10	ug/L	0.200		79	48-90	1	25	
alpha-Chlordane	0.164	0.050	0.10	"	0.200		82	47-106	4	25	
Aldrin	0.150	0.060	0.10	"	0.200		75	31-102	2	25	
beta-BHC	0.165	0.050	0.10	"	0.200		82	54-98	1	25	
delta-BHC	0.172	0.060	0.10	"	0.200		86	50-109	5	25	
4,4´-DDD	0.171	0.050	0.10	"	0.200		85	49-118	0.2	25	
4,4´-DDE	0.190	0.060	0.10	"	0.200		95	40-127	11	25	
4,4´-DDT	0.235	0.050	0.10	"	0.200		118	47-145	0.4	25	
Dieldrin	0.167	0.060	0.10	"	0.200		84	49-108	2	25	
Endosulfan I	0.165	0.050	0.10	"	0.200		83	45-102	4	25	
Endosulfan II	0.182	0.050	0.10	"	0.200		91	48-115	3	25	
Endosulfan sulfate	0.227	0.050	0.10	"	0.200		114	61-131	1	25	
Endrin	0.169	0.050	0.10	"	0.200		85	47-116	0.3	25	
Endrin aldehyde	0.188	0.050	0.10	"	0.200		94	56-133	7	25	
Endrin ketone	0.223	0.050	0.10	"	0.200		111	64-124	0.4	25	
gamma-BHC	0.160	0.060	0.10	"	0.200		80	46-101	2	25	
gamma-Chlordane	0.152	0.050	0.10	"	0.200		76	44-100	3	25	
Heptachlor	0.152	0.070	0.10	"	0.200		76	29-101	0.1	25	
Heptachlor epoxide	0.161	0.060	0.10	"	0.200		80	47-107	2	25	
Methoxychlor	0.238	0.060	0.10	"	0.200		119	60-156	5	25	
Surrogate: Decachlorobiphenyl			*0.245*	"	*0.250*		*98*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.122*	"	*0.250*		*49*	*10-125*			

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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Polychlorinated Biphenyls by GC/ECD - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K0419 - EPA 8082 Preparation: EPA 3510C 11/13/23 06:09											
Blank (B3K0419-BLK2)				Analyzed: 11/21/23 17:58							
PCB-1016	ND	0.35	0.50	ug/L							
PCB-1221	ND	0.35	0.50	"							
PCB-1232	ND	0.35	0.50	"							
PCB-1242	ND	0.35	0.50	"							
PCB-1248	ND	0.35	0.50	"							
PCB-1254	ND	0.35	0.50	"							
PCB-1260	ND	0.35	0.50	"							
Surrogate: Decachlorobiphenyl			*0.210*	"	*0.250*		*84*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.145*	"	*0.250*		*58*	*10-125*			
LCS (B3K0419-BS2)				Analyzed: 11/21/23 17:45							
PCB-1016	1.54	0.35	0.50	ug/L	2.00		77	60-121			
PCB-1260	1.53	0.35	0.50	"	2.00		77	74-125			
Surrogate: Decachlorobiphenyl			*0.202*	"	*0.250*		*81*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.104*	"	*0.250*		*42*	*10-125*			
LCS Dup (B3K0419-BSD2)				Analyzed: 11/21/23 17:58							
PCB-1016	1.56	0.35	0.50	ug/L	2.00		78	60-121	2	30	
PCB-1260	1.69	0.35	0.50	"	2.00		85	74-125	10	30	
Surrogate: Decachlorobiphenyl			*0.202*	"	*0.250*		*81*	*30-167*			
Surrogate: 2,4,5,6 Tetrachloro-m-xylene			*0.0866*	"	*0.250*		*35*	*10-125*			

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Organophosphorus Pesticides by EPA Method 8141 - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0988 - EPA 8141A Preparation: EPA 3510C 11/13/23 08:23											
Blank (W3K0988-BLK1) Analyzed: 11/16/23 15:28											
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l							
Bolstar	ND	0.022	0.10	"							
Chlorpyrifos	ND	0.021	0.10	"							
Coumaphos	ND	0.021	0.10	"							
Total Demeton, -o and -s	ND	0.0	0.20	"							
Demeton-o	ND	0.078	0.10	"							
Demeton-s	ND	0.029	0.10	"							
Diazinon	ND	0.037	0.10	"							
Dichlorvos	ND	0.043	0.10	"							
Dimethoate	ND	0.064	0.25	"							
Disulfoton	ND	0.019	0.10	"							
Ethoprop	ND	0.021	0.10	"							
Ethyl parathion	ND	0.034	0.25	"							
Fensulfothion	ND	0.080	0.10	"							
Fenthion	ND	0.038	0.10	"							
Malathion	ND	0.040	0.25	"							
Merphos	ND	0.050	0.10	"							
Methyl parathion	ND	0.026	0.10	"							
Mevinphos	ND	0.035	0.10	"							
Naled	ND	0.10	0.10	"							
Phorate	ND	0.019	0.10	"							
Ronnel	ND	0.018	0.10	"							
Stirophos	ND	0.024	0.10	"							
Thionazin	ND	0.049	0.25	"							
Tokuthion (Prothiofos)	ND	0.020	0.10	"							
Trichloronate	ND	0.020	0.10	"							
Total Parathion, ethyl & methyl	ND	0.0	0.35	"							
Surrogate: Triphenyl phosphate			*0.865*	"	*1.00*		*87*	*10-181*			

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Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Organophosphorus Pesticides by EPA Method 8141 - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0988 - EPA 8141A Preparation: EPA 3510C 11/13/23 08:23											
LCS (W3K0988-BS1)				Analyzed: 11/16/23 16:07							
Azinphos methyl (Guthion)	0.770	0.041	0.10	ug/l	1.00		77	12-167			
Bolstar	0.684	0.022	0.10	"	1.00		68	36-146			
Chlorpyrifos	0.680	0.021	0.10	"	1.00		68	35-149			
Coumaphos	0.899	0.021	0.10	"	1.00		90	24-171			
Demeton-o	0.137	0.078	0.10	"	0.250		55	22-117			
Demeton-s	0.492	0.029	0.10	"	0.750		66	35-137			
Diazinon	0.678	0.037	0.10	"	1.00		68	37-145			
Dichlorvos	0.596	0.043	0.10	"	1.00		60	31-169			
Dimethoate	0.557	0.064	0.25	"	1.00		56	36-188			
Disulfoton	0.661	0.019	0.10	"	1.00		66	39-140			
Ethoprop	0.672	0.021	0.10	"	1.00		67	40-153			
Ethyl parathion	0.733	0.034	0.25	"	1.00		73	50-120			
Fensulfothion	0.940	0.080	0.10	"	1.00		94	24-178			
Fenthion	0.696	0.038	0.10	"	1.00		70	37-147			
Malathion	0.705	0.040	0.25	"	1.00		71	52-133			
Merphos	0.826	0.050	0.10	"	1.00		83	25-159			
Methyl parathion	0.697	0.026	0.10	"	1.00		70	29-160			
Mevinphos	0.663	0.035	0.10	"	1.00		66	31-146			
Naled	0.604	0.10	0.10	"	1.00		60	0.1-142			
Phorate	0.660	0.019	0.10	"	1.00		66	43-146			
Ronnel	0.677	0.018	0.10	"	1.00		68	30-156			
Stirophos	0.708	0.024	0.10	"	1.00		71	31-166			
Thionazin	0.688	0.049	0.25	"	1.00		69	12-161			
Tokuthion (Prothiofos)	0.679	0.020	0.10	"	1.00		68	36-144			
Trichloronate	0.686	0.020	0.10	"	1.00		69	38-148			
Surrogate: Triphenyl phosphate			*0.855*	*"*	*1.00*		*85*	*10-181*			
LCS Dup (W3K0988-BSD1)				Analyzed: 11/16/23 16:47							
Azinphos methyl (Guthion)	0.915	0.041	0.10	ug/l	1.00		92	12-167	17	25	
Bolstar	0.800	0.022	0.10	"	1.00		80	36-146	16	25	
Chlorpyrifos	0.814	0.021	0.10	"	1.00		81	35-149	18	25	
Coumaphos	1.04	0.021	0.10	"	1.00		104	24-171	14	25	
Demeton-o	0.175	0.078	0.10	"	0.250		70	22-117	24	25	
Demeton-s	0.603	0.029	0.10	"	0.750		80	35-137	20	25	
Diazinon	0.811	0.037	0.10	"	1.00		81	37-145	18	25	
Dichlorvos	0.741	0.043	0.10	"	1.00		74	31-169	22	25	
Dimethoate	0.612	0.064	0.25	"	1.00		61	36-188	9	25	
Disulfoton	0.819	0.019	0.10	"	1.00		82	39-140	21	25	
Ethoprop	0.815	0.021	0.10	"	1.00		82	40-153	19	25	
Ethyl parathion	0.863	0.034	0.25	"	1.00		86	50-120	16	25	
Fensulfothion	1.08	0.080	0.10	"	1.00		108	24-178	14	25	
Fenthion	0.832	0.038	0.10	"	1.00		83	37-147	18	25	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Organophosphorus Pesticides by EPA Method 8141 - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0988 - EPA 8141A Preparation: EPA 3510C 11/13/23 08:23											
LCS Dup (W3K0988-BSD1)				Analyzed: 11/16/23 16:47							
Malathion	0.840	0.040	0.25	ug/l	1.00		84	52-133	17	25	
Merphos	0.943	0.050	0.10	"	1.00		94	25-159	13	25	
Methyl parathion	0.836	0.026	0.10	"	1.00		84	29-160	18	25	
Mevinphos	0.796	0.035	0.10	"	1.00		80	31-146	18	25	
Naled	0.765	0.10	0.10	"	1.00		77	0.1-142	23	25	
Phorate	0.814	0.019	0.10	"	1.00		81	43-146	21	25	
Ronnel	0.811	0.018	0.10	"	1.00		81	30-156	18	25	
Stirophos	0.836	0.024	0.10	"	1.00		84	31-166	17	25	
Thionazin	0.846	0.049	0.25	"	1.00		85	12-161	21	25	
Tokuthion (Prothiofos)	0.802	0.020	0.10	"	1.00		80	36-144	17	25	
Trichloronate	0.817	0.020	0.10	"	1.00		82	38-148	17	25	
Surrogate: Triphenyl phosphate			*1.00*	*"*	*1.00*		*100*	*10-181*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch W3K0993 - EPA 8270C-TICs Preparation: EPA 3510C 11/13/23 08:32

Blank (W3K0993-BLK1) Analyzed: 11/21/23 03:20

Tentatively Identified Compounds	ND	0.0		ug/l
N-Nitrosodimethylamine	ND	0.43	1.0	"
Pyridine	ND	2.1	5.0	"
Phenol	ND	0.16	1.0	"
Aniline	ND	0.32	1.0	"
Bis(2-chloroethyl)ether	ND	0.27	1.0	"
2-Chlorophenol	ND	0.28	1.0	"
1,3-Dichlorobenzene	ND	0.53	1.0	"
1,4-Dichlorobenzene	ND	0.55	1.0	"
Benzyl alcohol	ND	0.26	1.0	"
1,2-Dichlorobenzene	ND	0.57	1.0	"
2-Methylphenol	ND	0.42	1.0	"
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	"
3 & 4-Methylphenol	ND	0.22	1.0	"
N-Nitrosodi-n-propylamine	ND	0.26	1.0	"
Hexachloroethane	ND	0.52	1.0	"
Nitrobenzene	ND	0.36	1.0	"
Isophorone	ND	0.50	1.0	"
2-Nitrophenol	ND	0.26	1.0	"
2,4-Dimethylphenol	ND	0.89	1.0	"
Benzoic acid	ND	17	100	"
Bis(2-chloroethoxy)methane	ND	0.25	1.0	"
2,4-Dichlorophenol	ND	0.26	1.0	"
1,2,4-Trichlorobenzene	ND	0.55	1.0	"
Naphthalene	ND	0.49	1.0	"
4-Chloroaniline	ND	0.19	1.0	"
Hexachlorobutadiene	ND	0.47	1.0	"
4-Chloro-3-methylphenol	ND	0.23	1.0	"
2-Methylnaphthalene	ND	0.49	1.0	"
2-Acetylaminofluorene	ND	1.9	10	"
Hexachlorocyclopentadiene	ND	1.5	5.0	"
2,4,6-Trichlorophenol	ND	0.22	1.0	"
3,3'- Dimethylbenzidine	ND	6.2	10	"
2-Chloronaphthalene	ND	0.45	1.0	"
2-Nitroaniline	ND	0.61	1.0	"
Dimethyl phthalate	ND	0.45	1.0	"
2,6-Dinitrotoluene	ND	0.26	1.0	"
Acenaphthylene	ND	0.43	1.0	"
3-Nitroaniline	ND	0.66	1.0	"
Acenaphthene	ND	0.38	1.0	"
2,4-Dinitrophenol	ND	3.4	10	"
4-Nitrophenol	ND	1.2	5.0	"

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32

Blank (W3K0993-BLK1) Analyzed: 11/21/23 03:20

2,4-Dinitrotoluene	ND	0.61	1.0	ug/l
Dibenzofuran	ND	0.37	1.0	"
Diethyl phthalate	ND	0.43	1.0	"
4-Chlorophenyl phenyl ether	ND	0.41	1.0	"
Fluorene	ND	0.35	1.0	"
4-Nitroaniline	ND	0.44	1.0	"
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	"
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	"
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	"
4-Bromophenyl phenyl ether	ND	0.36	1.0	"
Hexachlorobenzene	ND	0.49	1.0	"
Pentachlorophenol	ND	0.38	1.0	"
Phenanthrene	ND	0.32	1.0	"
Anthracene	ND	0.21	1.0	"
Di-n-butyl phthalate	ND	0.56	1.0	"
Benzidine	ND	3.9	10	"
Fluoranthene	ND	0.21	1.0	"
Pyrene	ND	0.25	1.0	"
Butyl benzyl phthalate	ND	0.68	1.0	"
3,3'-Dichlorobenzidine	ND	3.3	5.0	"
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	"
Benzo (a) anthracene	ND	0.40	1.0	"
Chrysene	ND	0.39	1.0	"
Di-n-octyl phthalate	ND	0.41	1.0	"
Benzo (b) fluoranthene	ND	0.40	1.0	"
Benzo (k) fluoranthene	ND	0.63	1.0	"
Benzo (a) pyrene	ND	0.36	1.0	"
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	"
Dibenzo (a,h) anthracene	ND	0.56	2.0	"
Benzo (g,h,i) perylene	ND	0.35	2.0	"
1,3-Dinitrobenzene	ND	0.21	1.0	"
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	"
1-Methylnaphthalene	ND	0.47	1.0	"
1,4-Naphthoquinone	ND	3.7	10	"
1-Naphthylamine	ND	3.7	10	"
1,4-Phenylenediamine	ND	2.3	10	"
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	"
1,3,5-Trinitrobenzene	ND	3.9	10	"
2-Naphthylamine	ND	3.2	10	"
2,6-Dichlorophenol	ND	3.6	10	"
2,4,5-Trichlorophenol	ND	0.47	1.0	"
3-Methylcholanthrene	ND	3.7	10	"

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32

Blank (W3K0993-BLK1) Analyzed: 11/21/23 03:20

4-Aminobiphenyl	ND	4.9	10	ug/l
4-Nitroquinoline-n-oxide	ND	3.8	50	"
5-Nitro-o-toluidine	ND	4.4	10	"
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	"
Acetophenone	ND	3.3	10	"
a,a-Dimethylphenethylamine	ND	5.0	10	"
Chlorobenzilate	ND	4.8	10	"
Diallate (cis or trans)	ND	4.0	10	"
Dimethoate	ND	6.1	10	"
Dimethylaminoazobenzene	ND	3.3	10	"
N-Nitrosomorpholine	ND	1.8	10	"
Disulfoton	ND	2.9	10	"
N-Nitrosopyrrolidine	ND	6.0	10	"
Ethyl methanesulfonate	ND	6.0	10	"
Famphur	ND	2.4	10	"
Hexachloropropene	ND	3.9	10	"
Isodrin	ND	3.8	10	"
Isosafrole	ND	3.8	10	"
Methapyrilene	ND	5.8	50	"
Methyl methanesulfonate	ND	2.1	10	"
Methyl parathion	ND	3.8	10	"
N-Nitrosodi-n-butylamine	ND	3.0	10	"
Pentachlorobenzene	ND	3.7	10	"
N-Nitrosodiethylamine	ND	1.5	10	"
Phenacetin	ND	3.6	10	"
N-Nitrosomethylethylamine	ND	1.3	10	"
N-Nitrosopiperidine	ND	1.5	10	"
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	"
Phorate	ND	4.6	10	"
o,o,o-Triethyl phosphorothioate	ND	3.0	10	"
Pronamide	ND	3.8	10	"
o-Toluidine	ND	4.8	10	"
Safrole	ND	3.4	10	"
Parathion	ND	2.9	10	"
Pentachloronitrobenzene (PCNB)	ND	3.7	10	"
4,4´-DDE	ND	2.1	5.0	"
4,4´-DDD	ND	3.0	5.0	"
4,4´-DDT	ND	2.9	5.0	"
alpha-BHC	ND	1.3	5.0	"
Aldrin	ND	4.7	5.0	"
beta-BHC	ND	1.4	5.0	"
Methoxychlor	ND	3.7	5.0	"

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32											
Blank (W3K0993-BLK1) Analyzed: 11/21/23 03:20											
delta-BHC	ND	1.3	5.0	ug/l							
Dieldrin	ND	3.7	5.0	"							
Endosulfan I	ND	3.2	10	"							
Endrin	ND	1.4	5.0	"							
Endosulfan II	ND	1.4	10	"							
Endosulfan sulfate	ND	1.5	5.0	"							
Endrin aldehyde	ND	3.8	5.0	"							
gamma-BHC (Lindane)	ND	1.4	5.0	"							
Heptachlor	ND	4.5	5.0	"							
Heptachlor epoxide	ND	1.4	5.0	"							
Kepone	ND	2.1	50	"							
Surrogate: 2-Fluorophenol			*23.9*	"	*40.0*		*60*	*30-100*			
Surrogate: Nitrobenzene-d5			*18.9*	"	*20.0*		*95*	*39-130*			
Surrogate: Phenol-d5			*15.9*	"	*40.0*		*40*	*18-100*			
Surrogate: 2-Fluorobiphenyl			*17.5*	"	*20.0*		*87*	*43-120*			
Surrogate: 2,4,6-Tribromophenol			*34.0*	"	*40.0*		*85*	*48-130*			
Surrogate: Terphenyl-d14			*21.0*	"	*20.0*		*105*	*53-130*			
LCS (W3K0993-BS1) Analyzed: 11/21/23 02:18											
N-Nitrosodimethylamine	10.7	0.43	1.0	ug/l	20.0		54	41-120			
Phenol	6.97	0.16	1.0	"	20.0		35	19-100			
Bis(2-chloroethyl)ether	15.8	0.27	1.0	"	20.0		79	40-120			
2-Chlorophenol	14.5	0.28	1.0	"	20.0		73	41-120			
1,3-Dichlorobenzene	16.0	0.53	1.0	"	20.0		80	40-120			
1,4-Dichlorobenzene	16.4	0.55	1.0	"	20.0		82	41-120			
1,2-Dichlorobenzene	16.7	0.57	1.0	"	20.0		83	42-120			
Bis(2-chloroisopropyl)ether	17.3	0.38	1.0	"	20.0		87	29-130			
N-Nitrosodi-n-propylamine	17.0	0.26	1.0	"	20.0		85	73-103			
Hexachloroethane	14.9	0.52	1.0	"	20.0		74	41-120			
Nitrobenzene	17.0	0.36	1.0	"	20.0		85	41-130			
Isophorone	15.6	0.50	1.0	"	20.0		78	41-130			
2-Nitrophenol	16.5	0.26	1.0	"	20.0		83	38-130			
2,4-Dimethylphenol	14.8	0.89	1.0	"	20.0		74	33-120			
Bis(2-chloroethoxy)methane	17.0	0.25	1.0	"	20.0		85	42-130			
2,4-Dichlorophenol	16.5	0.26	1.0	"	20.0		82	43-130			
1,2,4-Trichlorobenzene	14.9	0.55	1.0	"	20.0		75	41-120			
Naphthalene	15.3	0.49	1.0	"	20.0		77	40-130			
Hexachlorobutadiene	15.1	0.47	1.0	"	20.0		76	36-130			
4-Chloro-3-methylphenol	16.2	0.23	1.0	"	20.0		81	45-120			
Hexachlorocyclopentadiene	14.2	1.5	5.0	"	20.0		71	11-120			
2,4,6-Trichlorophenol	17.4	0.22	1.0	"	20.0		87	45-120			
2-Chloronaphthalene	15.7	0.45	1.0	"	20.0		79	42-120			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32											
LCS (W3K0993-BS1)				Analyzed: 11/21/23 02:18							
Dimethyl phthalate	16.5	0.45	1.0	ug/l	20.0		83	48-130			
2,6-Dinitrotoluene	16.6	0.26	1.0	"	20.0		83	48-120			
Acenaphthylene	15.7	0.43	1.0	"	20.0		79	48-130			
Acenaphthene	16.1	0.38	1.0	"	20.0		80	46-130			
2,4-Dinitrophenol	15.9	3.4	10	"	20.0		79	49-142			
4-Nitrophenol	6.29	1.2	5.0	"	20.0		31	23-100			
2,4-Dinitrotoluene	17.7	0.61	1.0	"	20.0		88	54-130			
Diethyl phthalate	15.9	0.43	1.0	"	20.0		80	55-130			
4-Chlorophenyl phenyl ether	15.7	0.41	1.0	"	20.0		79	47-120			
Fluorene	16.4	0.35	1.0	"	20.0		82	49-130			
4,6-Dinitro-2-methylphenol	16.5	1.7	5.0	"	20.0		82	49-130			
N-Nitrosodiphenylamine/Diphenylamine	16.9	0.43	1.0	"	20.0		84	66-120			
4-Bromophenyl phenyl ether	16.8	0.36	1.0	"	20.0		84	65-130			
Hexachlorobenzene	16.2	0.49	1.0	"	20.0		81	57-130			
Pentachlorophenol	14.5	0.38	1.0	"	20.0		72	51-130			
Phenanthrene	17.0	0.32	1.0	"	20.0		85	60-130			
Anthracene	16.2	0.21	1.0	"	20.0		81	58-130			
Di-n-butyl phthalate	16.8	0.56	1.0	"	20.0		84	68-130			
Fluoranthene	16.6	0.21	1.0	"	20.0		83	50-130			
Pyrene	17.0	0.25	1.0	"	20.0		85	64-130			
Butyl benzyl phthalate	18.4	0.68	1.0	"	20.0		92	57-130			
Bis(2-ethylhexyl)phthalate	18.8	2.3	5.0	"	20.0		94	56-130			
Benzo (a) anthracene	16.5	0.40	1.0	"	20.0		82	49-130			
Chrysene	16.2	0.39	1.0	"	20.0		81	70-130			
Di-n-octyl phthalate	17.8	0.41	1.0	"	20.0		89	61-130			
Benzo (b) fluoranthene	18.6	0.40	1.0	"	20.0		93	70-130			AN-IP
Benzo (k) fluoranthene	17.5	0.63	1.0	"	20.0		88	68-130			AN-IP
Benzo (a) pyrene	18.6	0.36	1.0	"	20.0		93	63-130			
Indeno (1,2,3-cd) pyrene	18.9	0.47	2.0	"	20.0		94	65-130			
Dibenzo (a,h) anthracene	18.9	0.56	2.0	"	20.0		94	45-130			
Benzo (g,h,i) perylene	19.5	0.35	2.0	"	20.0		98	65-130			
Surrogate: 2-Fluorophenol			*21.4*	"	*40.0*		*53*	*30-100*			
Surrogate: Nitrobenzene-d5			*17.0*	"	*20.0*		*85*	*39-130*			
Surrogate: Phenol-d5			*13.8*	"	*40.0*		*35*	*18-100*			
Surrogate: 2-Fluorobiphenyl			*17.1*	"	*20.0*		*86*	*43-120*			
Surrogate: 2,4,6-Tribromophenol			*36.4*	"	*40.0*		*91*	*48-130*			
Surrogate: Terphenyl-d14			*20.7*	"	*20.0*		*104*	*53-130*			

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	2308807
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32											
LCS Dup (W3K0993-BSD1)				Analyzed: 11/21/23 02:49							
N-Nitrosodimethylamine	11.5	0.43	1.0	ug/l	20.0		58	41-120	7	30	
Phenol	7.25	0.16	1.0	"	20.0		36	19-100	4	30	
Bis(2-chloroethyl)ether	16.3	0.27	1.0	"	20.0		82	40-120	4	30	
2-Chlorophenol	15.0	0.28	1.0	"	20.0		75	41-120	3	30	
1,3-Dichlorobenzene	16.6	0.53	1.0	"	20.0		83	40-120	4	30	
1,4-Dichlorobenzene	16.9	0.55	1.0	"	20.0		84	41-120	3	30	
1,2-Dichlorobenzene	17.2	0.57	1.0	"	20.0		86	42-120	3	30	
Bis(2-chloroisopropyl)ether	17.9	0.38	1.0	"	20.0		89	29-130	3	30	
N-Nitrosodi-n-propylamine	17.9	0.26	1.0	"	20.0		89	73-103	5	30	
Hexachloroethane	15.2	0.52	1.0	"	20.0		76	41-120	2	30	
Nitrobenzene	17.5	0.36	1.0	"	20.0		87	41-130	3	30	
Isophorone	16.5	0.50	1.0	"	20.0		83	41-130	6	30	
2-Nitrophenol	17.1	0.26	1.0	"	20.0		85	38-130	3	30	
2,4-Dimethylphenol	15.1	0.89	1.0	"	20.0		75	33-120	2	30	
Bis(2-chloroethoxy)methane	17.6	0.25	1.0	"	20.0		88	42-130	4	30	
2,4-Dichlorophenol	17.0	0.26	1.0	"	20.0		85	43-130	3	30	
1,2,4-Trichlorobenzene	15.5	0.55	1.0	"	20.0		78	41-120	4	30	
Naphthalene	15.4	0.49	1.0	"	20.0		77	40-130	0.4	30	
Hexachlorobutadiene	15.5	0.47	1.0	"	20.0		77	36-130	2	30	
4-Chloro-3-methylphenol	16.6	0.23	1.0	"	20.0		83	45-120	2	30	
Hexachlorocyclopentadiene	14.6	1.5	5.0	"	20.0		73	11-120	3	30	
2,4,6-Trichlorophenol	17.9	0.22	1.0	"	20.0		89	45-120	2	30	
2-Chloronaphthalene	16.4	0.45	1.0	"	20.0		82	42-120	4	30	
Dimethyl phthalate	16.9	0.45	1.0	"	20.0		85	48-130	3	30	
2,6-Dinitrotoluene	17.3	0.26	1.0	"	20.0		87	48-120	4	30	
Acenaphthylene	16.2	0.43	1.0	"	20.0		81	48-130	3	30	
Acenaphthene	16.7	0.38	1.0	"	20.0		83	46-130	4	30	
2,4-Dinitrophenol	16.7	3.4	10	"	20.0		84	49-142	5	30	
4-Nitrophenol	6.47	1.2	5.0	"	20.0		32	23-100	3	30	
2,4-Dinitrotoluene	18.2	0.61	1.0	"	20.0		91	54-130	3	30	
Diethyl phthalate	16.1	0.43	1.0	"	20.0		81	55-130	1	30	
4-Chlorophenyl phenyl ether	16.2	0.41	1.0	"	20.0		81	47-120	3	30	
Fluorene	16.5	0.35	1.0	"	20.0		83	49-130	0.8	30	
4,6-Dinitro-2-methylphenol	16.9	1.7	5.0	"	20.0		85	49-130	3	30	
N-Nitrosodiphenylamine/Diphenylamine	17.2	0.43	1.0	"	20.0		86	66-120	2	30	
4-Bromophenyl phenyl ether	16.8	0.36	1.0	"	20.0		84	65-130	0.3	30	
Hexachlorobenzene	16.5	0.49	1.0	"	20.0		83	57-130	2	30	
Pentachlorophenol	15.1	0.38	1.0	"	20.0		76	51-130	4	30	
Phenanthrene	18.0	0.32	1.0	"	20.0		90	60-130	6	30	
Anthracene	17.0	0.21	1.0	"	20.0		85	58-130	5	30	
Di-n-butyl phthalate	17.4	0.56	1.0	"	20.0		87	68-130	3	30	
Fluoranthene	17.4	0.21	1.0	"	20.0		87	50-130	4	30	

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0993 - EPA 8270C Preparation: EPA 3510C 11/13/23 08:32											
LCS Dup (W3K0993-BSD1)				Analyzed: 11/21/23 02:49							
Pyrene	17.9	0.25	1.0	ug/l	20.0		90	64-130	6	30	
Butyl benzyl phthalate	19.3	0.68	1.0	"	20.0		97	57-130	5	30	
Bis(2-ethylhexyl)phthalate	19.5	2.3	5.0	"	20.0		98	56-130	4	30	
Benzo (a) anthracene	17.2	0.40	1.0	"	20.0		86	49-130	4	30	
Chrysene	16.6	0.39	1.0	"	20.0		83	70-130	2	30	
Di-n-octyl phthalate	18.0	0.41	1.0	"	20.0		90	61-130	0.9	30	
Benzo (b) fluoranthene	19.2	0.40	1.0	"	20.0		96	70-130	3	30	AN-IP
Benzo (k) fluoranthene	17.7	0.63	1.0	"	20.0		89	68-130	1	30	AN-IP
Benzo (a) pyrene	19.1	0.36	1.0	"	20.0		95	63-130	3	30	
Indeno (1,2,3-cd) pyrene	18.9	0.47	2.0	"	20.0		94	65-130	0.1	30	
Dibenzo (a,h) anthracene	19.1	0.56	2.0	"	20.0		96	45-130	1	30	
Benzo (g,h,i) perylene	19.4	0.35	2.0	"	20.0		97	65-130	0.6	30	
Surrogate: 2-Fluorophenol			*22.4*	"	*40.0*		*56*	*30-100*			
Surrogate: Nitrobenzene-d5			*17.9*	"	*20.0*		*90*	*39-130*			
Surrogate: Phenol-d5			*14.6*	"	*40.0*		*37*	*18-100*			
Surrogate: 2-Fluorobiphenyl			*17.7*	"	*20.0*		*89*	*43-120*			
Surrogate: 2,4,6-Tribromophenol			*37.9*	"	*40.0*		*95*	*48-130*			
Surrogate: Terphenyl-d14			*21.4*	"	*20.0*		*107*	*53-130*			

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Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organics by P&T and GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K0979 - EPA 524.3 Preparation: Method (P+T) 11/13/23 07:55											
Blank (W3K0979-BLK1)				Analyzed: 11/15/23 11:24							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"							
Surrogate: 4-Bromofluorobenzene			*0.420*	"	*0.400*		*105*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.389*	"	*0.400*		*97*	*70-130*			
LCS (W3K0979-BS1)				Analyzed: 11/15/23 11:51							
1,2-Dibromoethane (EDB)	0.0550	0.0029	0.020	ug/l	0.0500		110	70-130			
1,2-Dibromo-3-chloropropane	0.0479	0.0042	0.010	"	0.0500		96	70-130			
Surrogate: 4-Bromofluorobenzene			*0.421*	"	*0.400*		*105*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.396*	"	*0.400*		*99*	*70-130*			
LCS Dup (W3K0979-BSD1)				Analyzed: 11/15/23 12:19							
1,2-Dibromoethane (EDB)	0.0543	0.0029	0.020	ug/l	0.0500		109	70-130	1	30	
1,2-Dibromo-3-chloropropane	0.0449	0.0042	0.010	"	0.0500		90	70-130	6	30	
Surrogate: 4-Bromofluorobenzene			*0.424*	"	*0.400*		*106*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.400*	"	*0.400*		*100*	*70-130*			
Duplicate (W3K0979-DUP1)	**Source: 3K10135-06**			Analyzed: 11/15/23 22:26							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l		ND				30	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"		ND				30	
Surrogate: 4-Bromofluorobenzene			*0.427*	"	*0.400*		*107*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.386*	"	*0.400*		*96*	*70-130*			
Batch W3K1520 - EPA 524.3 Preparation: Method (P+T) 11/17/23 08:14											
Blank (W3K1520-BLK1)				Analyzed: 11/17/23 16:12							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"							
Surrogate: 4-Bromofluorobenzene			*0.448*	"	*0.400*		*112*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.373*	"	*0.400*		*93*	*70-130*			
LCS (W3K1520-BS1)				Analyzed: 11/17/23 16:40							
1,2-Dibromoethane (EDB)	0.0547	0.0029	0.020	ug/l	0.0500		109	70-130			
1,2-Dibromo-3-chloropropane	0.0454	0.0042	0.010	"	0.0500		91	70-130			
Surrogate: 4-Bromofluorobenzene			*0.440*	"	*0.400*		*110*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.379*	"	*0.400*		*95*	*70-130*			

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Volatile Organics by P&T and GC/MS - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch W3K1520 - EPA 524.3 Preparation: Method (P+T) 11/17/23 08:14											
LCS Dup (W3K1520-BSD1)				Analyzed: 11/17/23 17:08							
1,2-Dibromoethane (EDB)	0.0567	0.0029	0.020	ug/l	0.0500		113	70-130	4	30	
1,2-Dibromo-3-chloropropane	0.0506	0.0042	0.010	"	0.0500		101	70-130	11	30	
Surrogate: 4-Bromofluorobenzene			*0.443*	"	*0.400*		*111*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.382*	"	*0.400*		*95*	*70-130*			
Duplicate (W3K1520-DUP1)	**Source: 3K10101-02**			Analyzed: 11/17/23 18:03							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l		ND				30	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	"		ND				30	
Surrogate: 4-Bromofluorobenzene			*0.438*	"	*0.400*		*109*	*70-130*			
Surrogate: 1,2-Dichlorobenzene-d4			*0.370*	"	*0.400*		*92*	*70-130*			

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Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
Anions by IC			
Chloride by EPA 300.0	EPA 300.0	Water	OEC, CA-ELAP,NELAP
Nitrate as N by EPA 300.0	EPA 300.0	Water	OEC, CA-ELAP,NELAP
Sulfate by EPA 300.0	EPA 300.0	Water	OEC, CA-ELAP,NELAP
Dissolved Metals by CVAA			
Mercury Dissolved EPA 245.1	EPA 245.1	Water	OEC, CA-ELAP,NELAP
Dissolved Metals by ICP			
200.7 Dissolved Sodium	EPA 200.7	Water	OEC, CA-ELAP,NELAP
200.7 Dissolved Tin	EPA 200.7	Water	OEC, Internal
Dissolved Metals by ICP/MS			
200.8 Dissolved Antimony	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Arsenic	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Barium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Beryllium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Cadmium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Chromium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Cobalt	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Copper	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Lead	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Magnesium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Nickel	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Selenium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Silver	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Thallium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Vanadium	EPA 200.8	Water	OEC, CA-ELAP,NELAP
200.8 Dissolved Zinc	EPA 200.8	Water	OEC, CA-ELAP,NELAP
General Chemistry Parameters by EPA or APHA Standard Methods			
Sulfide, Total by EPA 9034	EPA 9034	Water	OEC, CA-ELAP,NELAP
Solids, Total Dissolved (TDS), SM2540C	SM 2540C	Water	OEC, CA-ELAP,NELAP
Cyanide, Total	SM 4500CN-C/E	Water	OEC, CA-ELAP,NELAP
COD, Chemical Oxygen Demand	SM 5220D	Water	OEC, CA-ELAP,NELAP
Organochlorine Pesticides by GC/ECD/ECD			
8081A Pesticides	EPA 8081A	Water	OEC, CA-ELAP,NELAP

Sample Method Summary (Continued)

Analysis	Method	Matrix	Laboratory & Certification
Polychlorinated Biphenyls by GC/ECD			
8082 PCB	EPA 8082	Water	OEC, CA-ELAP,NELAP
Semi-Volatile Organic Compounds by GC/MS			
8270C Appendix 2 (Sub)	EPA 8270 - Modified	Water	WECK Laboratories 14859 E. Clark Ave Industry City, CA 91745
Tentatively Identified Compounds (TIC) in Semi-Volatile Range by GC/MS			
8270C TIC	EPA 8270C TIC	Water	WECK Laboratories 14859 E. Clark Ave Industry City, CA 91745
Tentatively Identified Compounds (TIC) in Volatile Range by GC/MS			
8260B TIC	EPA 8260B TIC	Water	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
Volatile Organic Compounds by GC/MS			
8260B AppII for Full/AppI/oxy/1,4-Diox	EPA 8260B	Water	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B full/ Appendix I/oxy/1,4-dioxane	EPA 8260B	Water	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454

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Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-02	The method blank contains analyte at a J-flag concentration.
B-02n	The method blank contains analyte at a J-flag concentration. Concentration is less than 5% of the sample result, which is negligible according to method criteria.
J	Detected but below the RL/PQL; therefore, result is an estimated concentration.
Ja	Estimated conc. detected <MRL and >MDL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
QM-08	The spike recovery was outside acceptance limits for the LCS. The batch was accepted based on acceptable LCSD recovery.
QM-11	Spike recovery fails high. Sample results are ND. Data results are not impacted.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	The RPD exceeded the QC control limits.
QR-05	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
R-01	The MDL and/or MRL for this analyte has been raised to account for matrix interference.
R-06	The Reporting Limit has been raised to account for the presence of high levels of analytes.

Santa Barbara County RRSWM	Project: FCCL Groundwater - Semiannual & 5 Yr	WO & Reported:
130 E. Victoria Suite 100	Project Number: [none]	**2308807**
Santa Barbara CA, 93103	Project Manager: John Hancock	01/17/2024 13:57

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 3K10132

Project: 2308807

Attn: Meredith Sprister

Client: Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Report Date: 12/28/2023
Received Date: 11/10/2023
Turnaround Time: Normal
Phones: (805) 354-7304
Fax: (805) 925-3376
P.O. #:
Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Meredith Sprister,

Enclosed are the results of analyses for samples received 11/10/23 with the Chain-of-Custody document. The samples were received in good condition, at 2.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Ryan J. Gasio
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139
www.wecklabs.com

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported:
12/28/2023 12:47

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
2308807-01, Alias: FCCL-MW3-231107	Client	3K10132-01	Water	11/07/23 09:15	
2308807-02, Alias: FCCL-MW3-DUP-231107	Client	3K10132-02	Water	11/07/23 09:25	
2308807-03, Alias: FCCL-QCEB-231107	Client	3K10132-03	Water	11/07/23 09:50	
2308807-04, Alias: FCCL-QCTB-231107	Client	3K10132-04	Water	11/07/23 07:00	
2308807-05, Alias: FCCL-CONDENSATE-231107	Client	3K10132-05	Water	11/07/23 09:40	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
SRL 524M-TCP in Water			
1,2,3-Trichloropropane	96-18-4	✓	

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Certificate of Analysis

FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Herbicides by GC/ECD							
Method: EPA 8151A			**Instr:** GC08				
Batch ID: W3K0991 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:29			**Analyst:** ajc	
2,4,5-T	ND	0.14	0.25	ug/l	1	12/10/23	
2,4,5-TP (Silvex)	ND	0.14	0.25	ug/l	1	12/10/23	
2,4-D	ND	0.34	0.50	ug/l	1	12/10/23	
2,4-DB	ND	0.99	2.5	ug/l	1	12/10/23	
3,5-Dichlorobenzoic acid	ND	0.28	1.2	ug/l	1	12/10/23	
4-Nitrophenol	ND	0.50	1.2	ug/l	1	12/10/23	
Acifluorfen	ND	0.24	0.50	ug/l	1	12/10/23	
Bentazon	ND	0.55	2.5	ug/l	1	12/10/23	
Dalapon	ND	0.16	0.50	ug/l	1	12/10/23	
DCPA	ND	0.20	0.25	ug/l	1	12/10/23	
Dicamba	ND	0.19	0.75	ug/l	1	12/10/23	
Dichloroprop	ND	0.24	1.0	ug/l	1	12/10/23	
Dinoseb	ND	0.090	0.50	ug/l	1	12/10/23	
MCPA	ND	40	100	ug/l	1	12/10/23	
MCPP	ND	27	100	ug/l	1	12/10/23	
Pentachlorophenol	ND	0.18	0.25	ug/l	1	12/10/23	
Picloram	ND	0.13	0.75	ug/l	1	12/10/23	
Surrogate(s)							
2,4-DCAA	*101%*	*Conc: 19.9*	*56-156*			*12/10/23*	
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP			**Instr:** GCMS12				
Batch ID: W3K1254 **Preparation:** EPA 5030B			**Prepared:** 11/15/23 07:53			**Analyst:** ADM	
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	11/15/23	
Organophosphorus Pesticides by EPA Method 8141							
Method: EPA 8141A			**Instr:** GC03				
Batch ID: W3K0988 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:23			**Analyst:** alf	
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l	1	11/16/23	
Bolstar	ND	0.022	0.10	ug/l	1	11/16/23	
Chlorpyrifos	ND	0.021	0.10	ug/l	1	11/16/23	
Coumaphos	ND	0.021	0.10	ug/l	1	11/16/23	
Demeton-o	ND	0.078	0.10	ug/l	1	11/16/23	
Demeton-s	ND	0.029	0.10	ug/l	1	11/16/23	
Diazinon	ND	0.037	0.10	ug/l	1	11/16/23	
Dichlorvos	ND	0.043	0.10	ug/l	1	11/16/23	
Dimethoate	ND	0.064	0.25	ug/l	1	11/16/23	
Disulfoton	ND	0.019	0.10	ug/l	1	11/16/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Organophosphorus Pesticides by EPA Method 8141 (Continued)							
Method: EPA 8141A			**Instr:** GC03				
Batch ID: W3K0988 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:23			**Analyst:** alf	
Ethoprop	ND	0.021	0.10	ug/l	1	11/16/23	
Ethyl parathion	ND	0.034	0.25	ug/l	1	11/16/23	
Fensulfothion	ND	0.080	0.10	ug/l	1	11/16/23	
Fenthion	ND	0.038	0.10	ug/l	1	11/16/23	
Malathion	ND	0.040	0.25	ug/l	1	11/16/23	
Merphos	ND	0.050	0.10	ug/l	1	11/16/23	
Methyl parathion	ND	0.026	0.10	ug/l	1	11/16/23	
Mevinphos	ND	0.035	0.10	ug/l	1	11/16/23	
Naled	ND	0.10	0.10	ug/l	1	11/16/23	R-01
Phorate	ND	0.019	0.10	ug/l	1	11/16/23	
Ronnel	ND	0.018	0.10	ug/l	1	11/16/23	
Stirophos	ND	0.024	0.10	ug/l	1	11/16/23	
Thionazin	ND	0.049	0.25	ug/l	1	11/16/23	
Tokuthion (Prothiofos)	ND	0.020	0.10	ug/l	1	11/16/23	
Total Demeton, -o and -s	ND	0.0	0.20	ug/l	1	11/16/23	
Total Parathion, ethyl & methyl	ND	0.0	0.35	ug/l	1	11/16/23	
Trichloronate	ND	0.020	0.10	ug/l	1	11/16/23	
Surrogate(s)							
Triphenyl phosphate	*87%*	*Conc: 0.841*	*10-181*			*11/16/23*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	ug/l	1	11/21/23	
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	11/21/23	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	11/21/23	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	11/21/23	
1,3,5-Trinitrobenzene	ND	3.9	10	ug/l	1	11/21/23	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	11/21/23	
1,3-Dinitrobenzene	ND	0.21	1.0	ug/l	1	11/21/23	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	11/21/23	
1,4-Naphthoquinone	ND	3.7	10	ug/l	1	11/21/23	
1,4-Phenylenediamine	ND	2.3	10	ug/l	1	11/21/23	
1-Methylnaphthalene	ND	0.47	1.0	ug/l	1	11/21/23	
1-Naphthylamine	ND	3.7	10	ug/l	1	11/21/23	
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	ug/l	1	11/21/23	
2,4,5-Trichlorophenol	ND	0.47	1.0	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported:
12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	11/21/23	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	11/21/23	
2,4-Dimethylphenol	ND	0.89	1.0	ug/l	1	11/21/23	
2,4-Dinitrophenol	ND	3.4	10	ug/l	1	11/21/23	
2,4-Dinitrotoluene	ND	0.61	1.0	ug/l	1	11/21/23	
2,6-Dichlorophenol	ND	3.6	10	ug/l	1	11/21/23	
2,6-Dinitrotoluene	ND	0.26	1.0	ug/l	1	11/21/23	
2-Acetylaminofluorene	ND	1.9	10	ug/l	1	11/21/23	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	11/21/23	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	11/21/23	
2-Methylnaphthalene	ND	0.49	1.0	ug/l	1	11/21/23	
2-Methylphenol	ND	0.42	1.0	ug/l	1	11/21/23	
2-Naphthylamine	ND	3.2	10	ug/l	1	11/21/23	
2-Nitroaniline	ND	0.61	1.0	ug/l	1	11/21/23	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	11/21/23	
3 & 4-Methylphenol	ND	0.22	1.0	ug/l	1	11/21/23	
3,3'- Dimethylbenzidine	ND	6.2	10	ug/l	1	11/21/23	
3,3'-Dichlorobenzidine	ND	3.3	5.0	ug/l	1	11/21/23	
3-Methylcholanthrene	ND	3.7	10	ug/l	1	11/21/23	
3-Nitroaniline	ND	0.66	1.0	ug/l	1	11/21/23	
4,4´-DDD	ND	3.0	5.0	ug/l	1	11/21/23	
4,4´-DDE	ND	2.1	5.0	ug/l	1	11/21/23	
4,4´-DDT	ND	2.9	5.0	ug/l	1	11/21/23	
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	ug/l	1	11/21/23	
4-Aminobiphenyl	ND	4.9	10	ug/l	1	11/21/23	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	11/21/23	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	11/21/23	
4-Chloroaniline	ND	0.19	1.0	ug/l	1	11/21/23	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	11/21/23	
4-Nitroaniline	ND	0.44	1.0	ug/l	1	11/21/23	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	11/21/23	
4-Nitroquinoline-n-oxide	ND	3.8	50	ug/l	1	11/21/23	
5-Nitro-o-toluidine	ND	4.4	10	ug/l	1	11/21/23	
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	ug/l	1	11/21/23	
a,a-Dimethylphenethylamine	ND	5.0	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
Acenaphthene	ND	0.38	1.0	ug/l	1	11/21/23	
Acenaphthylene	ND	0.43	1.0	ug/l	1	11/21/23	
Acetophenone	ND	3.3	10	ug/l	1	11/21/23	
Aldrin	ND	4.7	5.0	ug/l	1	11/21/23	
alpha-BHC	ND	1.3	5.0	ug/l	1	11/21/23	
Aniline	ND	0.32	1.0	ug/l	1	11/21/23	
Anthracene	ND	0.21	1.0	ug/l	1	11/21/23	
Benzidine	ND	3.9	10	ug/l	1	11/21/23	
Benzo (a) anthracene	ND	0.40	1.0	ug/l	1	11/21/23	
Benzo (a) pyrene	ND	0.36	1.0	ug/l	1	11/21/23	
Benzo (b) fluoranthene	ND	0.40	1.0	ug/l	1	11/21/23	
Benzo (g,h,i) perylene	ND	0.35	2.0	ug/l	1	11/21/23	
Benzo (k) fluoranthene	ND	0.63	1.0	ug/l	1	11/21/23	
Benzoic acid	ND	17	100	ug/l	1	11/21/23	
Benzyl alcohol	ND	0.26	1.0	ug/l	1	11/21/23	
beta-BHC	ND	1.4	5.0	ug/l	1	11/21/23	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	11/21/23	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	11/21/23	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	11/21/23	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	11/21/23	
Butyl benzyl phthalate	ND	0.68	1.0	ug/l	1	11/21/23	
Chlorobenzilate	ND	4.8	10	ug/l	1	11/21/23	
Chrysene	ND	0.39	1.0	ug/l	1	11/21/23	
delta-BHC	ND	1.3	5.0	ug/l	1	11/21/23	
Diallate (cis or trans)	ND	4.0	10	ug/l	1	11/21/23	
Dibenzo (a,h) anthracene	ND	0.56	2.0	ug/l	1	11/21/23	
Dibenzofuran	ND	0.37	1.0	ug/l	1	11/21/23	
Dieldrin	ND	3.7	5.0	ug/l	1	11/21/23	
Diethyl phthalate	ND	0.43	1.0	ug/l	1	11/21/23	
Dimethoate	ND	6.1	10	ug/l	1	11/21/23	
Dimethyl phthalate	ND	0.45	1.0	ug/l	1	11/21/23	
Dimethylaminoazobenzene	ND	3.3	10	ug/l	1	11/21/23	
Di-n-butyl phthalate	ND	0.56	1.0	ug/l	1	11/21/23	
Di-n-octyl phthalate	ND	0.41	1.0	ug/l	1	11/21/23	
Disulfoton	ND	2.9	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported:
12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
Endosulfan I	ND	3.2	10	ug/l	1	11/21/23	
Endosulfan II	ND	1.4	10	ug/l	1	11/21/23	
Endosulfan sulfate	ND	1.5	5.0	ug/l	1	11/21/23	
Endrin	ND	1.4	5.0	ug/l	1	11/21/23	
Endrin aldehyde	ND	3.8	5.0	ug/l	1	11/21/23	
Ethyl methanesulfonate	ND	6.0	10	ug/l	1	11/21/23	
Famphur	ND	2.4	10	ug/l	1	11/21/23	
Fluoranthene	ND	0.21	1.0	ug/l	1	11/21/23	
Fluorene	ND	0.35	1.0	ug/l	1	11/21/23	
gamma-BHC (Lindane)	ND	1.4	5.0	ug/l	1	11/21/23	
Heptachlor	ND	4.5	5.0	ug/l	1	11/21/23	
Heptachlor epoxide	ND	1.4	5.0	ug/l	1	11/21/23	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	11/21/23	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	11/21/23	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	11/21/23	
Hexachloroethane	ND	0.52	1.0	ug/l	1	11/21/23	
Hexachloropropene	ND	3.9	10	ug/l	1	11/21/23	
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	ug/l	1	11/21/23	
Isodrin	ND	3.8	10	ug/l	1	11/21/23	
Isophorone	ND	0.50	1.0	ug/l	1	11/21/23	
Isosafrole	ND	3.8	10	ug/l	1	11/21/23	
Kepone	ND	2.1	50	ug/l	1	11/21/23	
Methapyrilene	ND	5.8	50	ug/l	1	11/21/23	
Methoxychlor	ND	3.7	5.0	ug/l	1	11/21/23	
Methyl methanesulfonate	ND	2.1	10	ug/l	1	11/21/23	
Methyl parathion	ND	3.8	10	ug/l	1	11/21/23	
Naphthalene	ND	0.49	1.0	ug/l	1	11/21/23	
Nitrobenzene	ND	0.36	1.0	ug/l	1	11/21/23	
N-Nitrosodiethylamine	ND	1.5	10	ug/l	1	11/21/23	
N-Nitrosodimethylamine	ND	0.43	1.0	ug/l	1	11/21/23	
N-Nitrosodi-n-butylamine	ND	3.0	10	ug/l	1	11/21/23	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	11/21/23	
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	ug/l	1	11/21/23	
N-Nitrosomethylethylamine	ND	1.3	10	ug/l	1	11/21/23	
N-Nitrosomorpholine	ND	1.8	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-01, Alias: FCCL-MW3-231107
3K10132-01 (Water)

Sampled: 11/07/23 9:15 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
N-Nitrosopiperidine	ND	1.5	10	ug/l	1	11/21/23	
N-Nitrosopyrrolidine	ND	6.0	10	ug/l	1	11/21/23	
o,o,o-Triethyl phosphorothioate	ND	3.0	10	ug/l	1	11/21/23	
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	ug/l	1	11/21/23	
o-Toluidine	ND	4.8	10	ug/l	1	11/21/23	
Parathion	ND	2.9	10	ug/l	1	11/21/23	
Pentachlorobenzene	ND	3.7	10	ug/l	1	11/21/23	
Pentachloronitrobenzene (PCNB)	ND	3.7	10	ug/l	1	11/21/23	
Pentachlorophenol	ND	0.38	1.0	ug/l	1	11/21/23	
Phenacetin	ND	3.6	10	ug/l	1	11/21/23	
Phenanthrene	ND	0.32	1.0	ug/l	1	11/21/23	
Phenol	ND	0.16	1.0	ug/l	1	11/21/23	
Phorate	ND	4.6	10	ug/l	1	11/21/23	
Pronamide	ND	3.8	10	ug/l	1	11/21/23	
Pyrene	ND	0.25	1.0	ug/l	1	11/21/23	
Pyridine	ND	2.1	5.0	ug/l	1	11/21/23	
Safrole	ND	3.4	10	ug/l	1	11/21/23	
Surrogate(s)							
2,4,6-Tribromophenol	*88%*	*Conc: 34.3*	*48-130*			*11/21/23*	
2-Fluorobiphenyl	*87%*	*Conc: 17.0*	*43-120*			*11/21/23*	
2-Fluorophenol	*56%*	*Conc: 21.6*	*30-100*			*11/21/23*	
Nitrobenzene-d5	*95%*	*Conc: 18.4*	*39-130*			*11/21/23*	
Phenol-d5	*36%*	*Conc: 14.1*	*18-100*			*11/21/23*	
Terphenyl-d14	*107%*	*Conc: 20.9*	*53-130*			*11/21/23*	
Method: EPA 8270C-TICs			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
TIC Tentatively Identified Compounds	ND	0.0		ug/l	1	11/21/23	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS04				
Batch ID: W3K0979 **Preparation:** Method (P+T)			**Prepared:** 11/13/23 07:55			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	11/15/23	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	11/15/23	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*96%*	*Conc: 0.386*	*70-130*			*11/15/23*	
4-Bromofluorobenzene	*105%*	*Conc: 0.421*	*70-130*			*11/15/23*	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Herbicides by GC/ECD							
Method: EPA 8151A			**Instr:** GC08				
Batch ID: W3K0991 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:29			**Analyst:** ajc	
2,4,5-T	ND	0.14	0.25	ug/l	1	12/10/23	
2,4,5-TP (Silvex)	ND	0.14	0.25	ug/l	1	12/10/23	
2,4-D	ND	0.34	0.50	ug/l	1	12/10/23	
2,4-DB	ND	0.99	2.5	ug/l	1	12/10/23	
3,5-Dichlorobenzoic acid	ND	0.28	1.2	ug/l	1	12/10/23	
4-Nitrophenol	ND	0.50	1.2	ug/l	1	12/10/23	
Acifluorfen	ND	0.24	0.50	ug/l	1	12/10/23	
Bentazon	ND	0.55	2.5	ug/l	1	12/10/23	
Dalapon	ND	0.16	0.50	ug/l	1	12/10/23	
DCPA	ND	0.20	0.25	ug/l	1	12/10/23	
Dicamba	ND	0.19	0.75	ug/l	1	12/10/23	
Dichloroprop	ND	0.24	1.0	ug/l	1	12/10/23	
Dinoseb	ND	0.090	0.50	ug/l	1	12/10/23	
MCPA	ND	40	100	ug/l	1	12/10/23	
MCPP	ND	27	100	ug/l	1	12/10/23	
Pentachlorophenol	ND	0.18	0.25	ug/l	1	12/10/23	
Picloram	ND	0.13	0.75	ug/l	1	12/10/23	
Surrogate(s)							
2,4-DCAA	*111%*	*Conc: 21.4*	*56-156*			*12/10/23*	
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP			**Instr:** GCMS12				
Batch ID: W3K1254 **Preparation:** EPA 5030B			**Prepared:** 11/15/23 07:53			**Analyst:** ADM	
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	11/16/23	
Organophosphorus Pesticides by EPA Method 8141							
Method: EPA 8141A			**Instr:** GC03				
Batch ID: W3K0988 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:23			**Analyst:** alf	
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l	1	11/16/23	
Bolstar	ND	0.022	0.10	ug/l	1	11/16/23	
Chlorpyrifos	ND	0.021	0.10	ug/l	1	11/16/23	
Coumaphos	ND	0.021	0.10	ug/l	1	11/16/23	
Demeton-o	ND	0.078	0.10	ug/l	1	11/16/23	
Demeton-s	ND	0.029	0.10	ug/l	1	11/16/23	
Diazinon	ND	0.037	0.10	ug/l	1	11/16/23	
Dichlorvos	ND	0.043	0.10	ug/l	1	11/16/23	
Dimethoate	ND	0.064	0.25	ug/l	1	11/16/23	
Disulfoton	ND	0.019	0.10	ug/l	1	11/16/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Organophosphorus Pesticides by EPA Method 8141 (Continued)							
Method: EPA 8141A			**Instr:** GC03				
Batch ID: W3K0988 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:23			**Analyst:** alf	
Ethoprop	ND	0.021	0.10	ug/l	1	11/16/23	
Ethyl parathion	ND	0.034	0.25	ug/l	1	11/16/23	
Fensulfothion	ND	0.080	0.10	ug/l	1	11/16/23	
Fenthion	ND	0.038	0.10	ug/l	1	11/16/23	
Malathion	ND	0.040	0.25	ug/l	1	11/16/23	
Merphos	ND	0.050	0.10	ug/l	1	11/16/23	
Methyl parathion	ND	0.026	0.10	ug/l	1	11/16/23	
Mevinphos	ND	0.035	0.10	ug/l	1	11/16/23	
Naled	ND	0.10	0.10	ug/l	1	11/16/23	R-01
Phorate	ND	0.019	0.10	ug/l	1	11/16/23	
Ronnel	ND	0.018	0.10	ug/l	1	11/16/23	
Stirophos	ND	0.024	0.10	ug/l	1	11/16/23	
Thionazin	ND	0.049	0.25	ug/l	1	11/16/23	
Tokuthion (Prothiofos)	ND	0.020	0.10	ug/l	1	11/16/23	
Total Demeton, -o and -s	ND	0.0	0.20	ug/l	1	11/16/23	
Total Parathion, ethyl & methyl	ND	0.0	0.35	ug/l	1	11/16/23	
Trichloronate	ND	0.020	0.10	ug/l	1	11/16/23	
Surrogate(s)							
Triphenyl phosphate	*87%*	*Conc: 0.861*	*10-181*			*11/16/23*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	ug/l	1	11/21/23	
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l	1	11/21/23	
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l	1	11/21/23	
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l	1	11/21/23	
1,3,5-Trinitrobenzene	ND	3.9	10	ug/l	1	11/21/23	
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l	1	11/21/23	
1,3-Dinitrobenzene	ND	0.21	1.0	ug/l	1	11/21/23	
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l	1	11/21/23	
1,4-Naphthoquinone	ND	3.7	10	ug/l	1	11/21/23	
1,4-Phenylenediamine	ND	2.3	10	ug/l	1	11/21/23	
1-Methylnaphthalene	ND	0.47	1.0	ug/l	1	11/21/23	
1-Naphthylamine	ND	3.7	10	ug/l	1	11/21/23	
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	ug/l	1	11/21/23	
2,4,5-Trichlorophenol	ND	0.47	1.0	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	11/21/23	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	11/21/23	
2,4-Dimethylphenol	ND	0.89	1.0	ug/l	1	11/21/23	
2,4-Dinitrophenol	ND	3.4	10	ug/l	1	11/21/23	
2,4-Dinitrotoluene	ND	0.61	1.0	ug/l	1	11/21/23	
2,6-Dichlorophenol	ND	3.6	10	ug/l	1	11/21/23	
2,6-Dinitrotoluene	ND	0.26	1.0	ug/l	1	11/21/23	
2-Acetylaminofluorene	ND	1.9	10	ug/l	1	11/21/23	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	11/21/23	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	11/21/23	
2-Methylnaphthalene	ND	0.49	1.0	ug/l	1	11/21/23	
2-Methylphenol	ND	0.42	1.0	ug/l	1	11/21/23	
2-Naphthylamine	ND	3.2	10	ug/l	1	11/21/23	
2-Nitroaniline	ND	0.61	1.0	ug/l	1	11/21/23	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	11/21/23	
3 & 4-Methylphenol	ND	0.22	1.0	ug/l	1	11/21/23	
3,3'- Dimethylbenzidine	ND	6.2	10	ug/l	1	11/21/23	
3,3'-Dichlorobenzidine	ND	3.3	5.0	ug/l	1	11/21/23	
3-Methylcholanthrene	ND	3.7	10	ug/l	1	11/21/23	
3-Nitroaniline	ND	0.66	1.0	ug/l	1	11/21/23	
4,4´-DDD	ND	3.0	5.0	ug/l	1	11/21/23	
4,4´-DDE	ND	2.1	5.0	ug/l	1	11/21/23	
4,4´-DDT	ND	2.9	5.0	ug/l	1	11/21/23	
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	ug/l	1	11/21/23	
4-Aminobiphenyl	ND	4.9	10	ug/l	1	11/21/23	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	11/21/23	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	11/21/23	
4-Chloroaniline	ND	0.19	1.0	ug/l	1	11/21/23	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	11/21/23	
4-Nitroaniline	ND	0.44	1.0	ug/l	1	11/21/23	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	11/21/23	
4-Nitroquinoline-n-oxide	ND	3.8	50	ug/l	1	11/21/23	
5-Nitro-o-toluidine	ND	4.4	10	ug/l	1	11/21/23	
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	ug/l	1	11/21/23	
a,a-Dimethylphenethylamine	ND	5.0	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
Acenaphthene	ND	0.38	1.0	ug/l	1	11/21/23	
Acenaphthylene	ND	0.43	1.0	ug/l	1	11/21/23	
Acetophenone	ND	3.3	10	ug/l	1	11/21/23	
Aldrin	ND	4.7	5.0	ug/l	1	11/21/23	
alpha-BHC	ND	1.3	5.0	ug/l	1	11/21/23	
Aniline	ND	0.32	1.0	ug/l	1	11/21/23	
Anthracene	ND	0.21	1.0	ug/l	1	11/21/23	
Benzidine	ND	3.9	10	ug/l	1	11/21/23	
Benzo (a) anthracene	ND	0.40	1.0	ug/l	1	11/21/23	
Benzo (a) pyrene	ND	0.36	1.0	ug/l	1	11/21/23	
Benzo (b) fluoranthene	ND	0.40	1.0	ug/l	1	11/21/23	
Benzo (g,h,i) perylene	ND	0.35	2.0	ug/l	1	11/21/23	
Benzo (k) fluoranthene	ND	0.63	1.0	ug/l	1	11/21/23	
Benzoic acid	ND	17	100	ug/l	1	11/21/23	
Benzyl alcohol	ND	0.26	1.0	ug/l	1	11/21/23	
beta-BHC	ND	1.4	5.0	ug/l	1	11/21/23	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	11/21/23	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	11/21/23	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	11/21/23	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	11/21/23	
Butyl benzyl phthalate	ND	0.68	1.0	ug/l	1	11/21/23	
Chlorobenzilate	ND	4.8	10	ug/l	1	11/21/23	
Chrysene	ND	0.39	1.0	ug/l	1	11/21/23	
delta-BHC	ND	1.3	5.0	ug/l	1	11/21/23	
Diallate (cis or trans)	ND	4.0	10	ug/l	1	11/21/23	
Dibenzo (a,h) anthracene	ND	0.56	2.0	ug/l	1	11/21/23	
Dibenzofuran	ND	0.37	1.0	ug/l	1	11/21/23	
Dieldrin	ND	3.7	5.0	ug/l	1	11/21/23	
Diethyl phthalate	ND	0.43	1.0	ug/l	1	11/21/23	
Dimethoate	ND	6.1	10	ug/l	1	11/21/23	
Dimethyl phthalate	ND	0.45	1.0	ug/l	1	11/21/23	
Dimethylaminoazobenzene	ND	3.3	10	ug/l	1	11/21/23	
Di-n-butyl phthalate	ND	0.56	1.0	ug/l	1	11/21/23	
Di-n-octyl phthalate	ND	0.41	1.0	ug/l	1	11/21/23	
Disulfoton	ND	2.9	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client
(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Method: EPA 8270C **Instr:** GCMS06

Batch ID: W3K0993 **Preparation:** EPA 3510C **Prepared:** 11/13/23 08:32 **Analyst:** rmr

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Endosulfan I	ND	3.2	10	ug/l	1	11/21/23	
Endosulfan II	ND	1.4	10	ug/l	1	11/21/23	
Endosulfan sulfate	ND	1.5	5.0	ug/l	1	11/21/23	
Endrin	ND	1.4	5.0	ug/l	1	11/21/23	
Endrin aldehyde	ND	3.8	5.0	ug/l	1	11/21/23	
Ethyl methanesulfonate	ND	6.0	10	ug/l	1	11/21/23	
Famphur	ND	2.4	10	ug/l	1	11/21/23	
Fluoranthene	ND	0.21	1.0	ug/l	1	11/21/23	
Fluorene	ND	0.35	1.0	ug/l	1	11/21/23	
gamma-BHC (Lindane)	ND	1.4	5.0	ug/l	1	11/21/23	
Heptachlor	ND	4.5	5.0	ug/l	1	11/21/23	
Heptachlor epoxide	ND	1.4	5.0	ug/l	1	11/21/23	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	11/21/23	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	11/21/23	
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l	1	11/21/23	
Hexachloroethane	ND	0.52	1.0	ug/l	1	11/21/23	
Hexachloropropene	ND	3.9	10	ug/l	1	11/21/23	
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	ug/l	1	11/21/23	
Isodrin	ND	3.8	10	ug/l	1	11/21/23	
Isophorone	ND	0.50	1.0	ug/l	1	11/21/23	
Isosafrole	ND	3.8	10	ug/l	1	11/21/23	
Kepone	ND	2.1	50	ug/l	1	11/21/23	
Methapyrilene	ND	5.8	50	ug/l	1	11/21/23	
Methoxychlor	ND	3.7	5.0	ug/l	1	11/21/23	
Methyl methanesulfonate	ND	2.1	10	ug/l	1	11/21/23	
Methyl parathion	ND	3.8	10	ug/l	1	11/21/23	
Naphthalene	ND	0.49	1.0	ug/l	1	11/21/23	
Nitrobenzene	ND	0.36	1.0	ug/l	1	11/21/23	
N-Nitrosodiethylamine	ND	1.5	10	ug/l	1	11/21/23	
N-Nitrosodimethylamine	ND	0.43	1.0	ug/l	1	11/21/23	
N-Nitrosodi-n-butylamine	ND	3.0	10	ug/l	1	11/21/23	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	11/21/23	
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	ug/l	1	11/21/23	
N-Nitrosomethylethylamine	ND	1.3	10	ug/l	1	11/21/23	
N-Nitrosomorpholine	ND	1.8	10	ug/l	1	11/21/23	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-02, Alias: FCCL-MW3-DUP-231107
3K10132-02 (Water)

Sampled: 11/07/23 9:25 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 8270C			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
N-Nitrosopiperidine	ND	1.5	10	ug/l	1	11/21/23	
N-Nitrosopyrrolidine	ND	6.0	10	ug/l	1	11/21/23	
o,o,o-Triethyl phosphorothioate	ND	3.0	10	ug/l	1	11/21/23	
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	ug/l	1	11/21/23	
o-Toluidine	ND	4.8	10	ug/l	1	11/21/23	
Parathion	ND	2.9	10	ug/l	1	11/21/23	
Pentachlorobenzene	ND	3.7	10	ug/l	1	11/21/23	
Pentachloronitrobenzene (PCNB)	ND	3.7	10	ug/l	1	11/21/23	
Pentachlorophenol	ND	0.38	1.0	ug/l	1	11/21/23	
Phenacetin	ND	3.6	10	ug/l	1	11/21/23	
Phenanthrene	ND	0.32	1.0	ug/l	1	11/21/23	
Phenol	ND	0.16	1.0	ug/l	1	11/21/23	
Phorate	ND	4.6	10	ug/l	1	11/21/23	
Pronamide	ND	3.8	10	ug/l	1	11/21/23	
Pyrene	ND	0.25	1.0	ug/l	1	11/21/23	
Pyridine	ND	2.1	5.0	ug/l	1	11/21/23	
Safrole	ND	3.4	10	ug/l	1	11/21/23	
Surrogate(s)							
2,4,6-Tribromophenol	*88%*	*Conc: 33.6*	*48-130*			*11/21/23*	
2-Fluorobiphenyl	*84%*	*Conc: 16.1*	*43-120*			*11/21/23*	
2-Fluorophenol	*57%*	*Conc: 21.8*	*30-100*			*11/21/23*	
Nitrobenzene-d5	*94%*	*Conc: 18.0*	*39-130*			*11/21/23*	
Phenol-d5	*37%*	*Conc: 14.1*	*18-100*			*11/21/23*	
Terphenyl-d14	*103%*	*Conc: 19.9*	*53-130*			*11/21/23*	
Method: EPA 8270C-TICs			**Instr:** GCMS06				
Batch ID: W3K0993 **Preparation:** EPA 3510C			**Prepared:** 11/13/23 08:32			**Analyst:** rmr	
TIC Tentatively Identified Compounds	ND	0.0		ug/l	1	11/21/23	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS04				
Batch ID: W3K0979 **Preparation:** Method (P+T)			**Prepared:** 11/13/23 07:55			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	11/15/23	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	11/15/23	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*96%*	*Conc: 0.386*	*70-130*			*11/15/23*	
4-Bromofluorobenzene	*105%*	*Conc: 0.421*	*70-130*			*11/15/23*	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results (Continued)

Sample: 2308807-03, Alias: FCCL-QCEB-231107
3K10132-03 (Water)

Sampled: 11/07/23 9:50 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP				**Instr:** GCMS12			
Batch ID: W3K1254 **Preparation:** EPA 5030B				**Prepared:** 11/15/23 07:53			**Analyst:** ADM
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	11/16/23	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3				**Instr:** GCMS04			
Batch ID: W3K0979 **Preparation:** Method (P+T)				**Prepared:** 11/13/23 07:55			**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	11/15/23	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	11/15/23	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*97%*	*Conc: 0.388*	*70-130*			*11/15/23*	
4-Bromofluorobenzene	*106%*	*Conc: 0.422*	*70-130*			*11/15/23*	

Sample Results (Continued)

Sample: 2308807-04, Alias: FCCL-QCTB-231107
3K10132-04 (Water)

Sampled: 11/07/23 7:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP				**Instr:** GCMS12			
Batch ID: W3K1254 **Preparation:** EPA 5030B				**Prepared:** 11/15/23 07:53			**Analyst:** ADM
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	11/16/23	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3				**Instr:** GCMS04			
Batch ID: W3K0979 **Preparation:** Method (P+T)				**Prepared:** 11/13/23 07:55			**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	11/15/23	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	11/15/23	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*97%*	*Conc: 0.387*	*70-130*			*11/15/23*	
4-Bromofluorobenzene	*106%*	*Conc: 0.423*	*70-130*			*11/15/23*	

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Sample Results

(Continued)

Sample: 2308807-05, Alias: FCCL-CONDENSATE-231107
3K10132-05RE1 (Water)

Sampled: 11/07/23 9:40 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP			**Instr:** GCMS12				
Batch ID: W3K1514 **Preparation:** EPA 5030B			**Prepared:** 11/17/23 08:08			**Analyst:** ADM	
1,2,3-Trichloropropane	ND	0.060	0.25	ug/l	50	11/17/23	M-05
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS04				
Batch ID: W3K1520 **Preparation:** Method (P+T)			**Prepared:** 11/17/23 08:14			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.084	0.20	ug/l	20	11/17/23	M-05
1,2-Dibromoethane (EDB)	ND	0.058	0.40	ug/l	20	11/17/23	M-05
Surrogate(s)							
1,2-Dichlorobenzene-d4	*76%*	*Conc: 0.303*	*70-130*			*11/17/23*	
4-Bromofluorobenzene	*96%*	*Conc: 0.384*	*70-130*			*11/17/23*	

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Quality Control Results

Chlorinated Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0991 - EPA 8151A											
Blank (W3K0991-BLK1)				**Prepared: 11/13/23 Analyzed: 12/10/23**							
2,4,5-T	ND	0.14	0.25	ug/l							
2,4,5-TP (Silvex)	ND	0.14	0.25	ug/l							
2,4-D	ND	0.34	0.50	ug/l							
2,4-DB	ND	0.99	2.5	ug/l							
3,5-Dichlorobenzoic acid	ND	0.28	1.2	ug/l							
4-Nitrophenol	ND	0.50	1.2	ug/l							
Acifluorfen	ND	0.24	0.50	ug/l							
Bentazon	ND	0.55	2.5	ug/l							
Dalapon	ND	0.16	0.50	ug/l							
DCPA	ND	0.20	0.25	ug/l							
Dicamba	ND	0.19	0.75	ug/l							
Dichloroprop	ND	0.24	1.0	ug/l							
Dinoseb	ND	0.090	0.50	ug/l							
MCPA	ND	40	100	ug/l							
MCPP	ND	27	100	ug/l							
Pentachlorophenol	ND	0.18	0.25	ug/l							
Picloram	ND	0.13	0.75	ug/l							
Surrogate(s)											
2,4-DCAA	*19.4*			*ug/l*	*20.0*		*97*	*56-156*			
LCS (W3K0991-BS1)				**Prepared: 11/13/23 Analyzed: 12/10/23**							
2,4,5-T	1.74	0.14	0.25	ug/l	1.50		116	39-151			
2,4,5-TP (Silvex)	1.60	0.14	0.25	ug/l	1.50		107	46-142			
2,4-D	3.51	0.34	0.50	ug/l	3.00		117	56-164			
2,4-DB	4.94	0.99	2.5	ug/l	6.00		82	27-161			
3,5-Dichlorobenzoic acid	3.14	0.28	1.2	ug/l	3.00		105	54-154			
4-Nitrophenol	3.71	0.50	1.2	ug/l	6.00		62	3-105			
Acifluorfen	1.72	0.24	0.50	ug/l	1.50		115	39-134			
Bentazon	8.57	0.55	2.5	ug/l	6.00		143	44-139			Q-08
Dalapon	3.32	0.16	0.50	ug/l	3.00		111	40-139			
DCPA	0.908	0.20	0.25	ug/l	1.50		61	34-135			
Dicamba	3.10	0.19	0.75	ug/l	3.00		103	46-140			
Dichloroprop	3.23	0.24	1.0	ug/l	3.00		108	43-158			
Dinoseb	1.65	0.090	0.50	ug/l	1.50		110	42-146			
MCPA	289	40	100	ug/l	300		96	28-144			
MCPP	205	27	100	ug/l	300		68	31-153			
Pentachlorophenol	1.65	0.18	0.25	ug/l	1.50		110	37-136			
Picloram	1.77	0.13	0.75	ug/l	1.50		118	35-138			
Surrogate(s)											
2,4-DCAA	*22.9*			*ug/l*	*20.0*		*114*	*56-156*			

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12/28/2023 12:47

Quality Control Results

(Continued)

Chlorinated Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0991 - EPA 8151A (Continued)											
LCS Dup (W3K0991-BSD1)				**Prepared: 11/13/23**	**Analyzed: 12/10/23**						
2,4,5-T	1.76	0.14	0.25	ug/l	1.50		117	39-151	1	25	
2,4,5-TP (Silvex)	1.78	0.14	0.25	ug/l	1.50		119	46-142	10	25	
2,4-D	3.76	0.34	0.50	ug/l	3.00		125	56-164	7	25	
2,4-DB	5.53	0.99	2.5	ug/l	6.00		92	27-161	11	25	
3,5-Dichlorobenzoic acid	3.10	0.28	1.2	ug/l	3.00		103	54-154	1	25	
4-Nitrophenol	2.69	0.50	1.2	ug/l	6.00		45	3-105	32	25	Q-12
Acifluorfen	1.96	0.24	0.50	ug/l	1.50		131	39-134	13	25	
Bentazon	7.99	0.55	2.5	ug/l	6.00		133	44-139	7	25	
Dalapon	3.35	0.16	0.50	ug/l	3.00		112	40-139	0.9	25	
DCPA	0.968	0.20	0.25	ug/l	1.50		65	34-135	6	25	
Dicamba	2.93	0.19	0.75	ug/l	3.00		98	46-140	6	25	
Dichloroprop	3.35	0.24	1.0	ug/l	3.00		112	43-158	4	25	
Dinoseb	1.45	0.090	0.50	ug/l	1.50		97	42-146	13	25	
MCPA	286	40	100	ug/l	300		95	28-144	1	25	
MCPP	200	27	100	ug/l	300		67	31-153	2	25	
Pentachlorophenol	1.61	0.18	0.25	ug/l	1.50		107	37-136	3	25	
Picloram	1.61	0.13	0.75	ug/l	1.50		108	35-138	9	25	
Surrogate(s)											
2,4-DCAA	*21.2*			*ug/l*	*20.0*		*106*	*56-156*			

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Quality Control Results

(Continued)

Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K1254 - SRL 524M-TCP											
Blank (W3K1254-BLK1)					**Prepared & Analyzed: 11/15/23**						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l							
LCS (W3K1254-BS1)					**Prepared & Analyzed: 11/15/23**						
1,2,3-Trichloropropane	0.0174	0.0012	0.0050	ug/l	0.0200		87	80-120			
LCS Dup (W3K1254-BSD1)					**Prepared & Analyzed: 11/15/23**						
1,2,3-Trichloropropane	0.0169	0.0012	0.0050	ug/l	0.0200		85	80-120	2	20	
Duplicate (W3K1254-DUP1)	**Source: 3K09001-01**				**Prepared & Analyzed: 11/15/23**						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l		ND				20	
Batch: W3K1514 - SRL 524M-TCP											
Blank (W3K1514-BLK1)					**Prepared & Analyzed: 11/17/23**						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l							
LCS (W3K1514-BS1)					**Prepared & Analyzed: 11/17/23**						
1,2,3-Trichloropropane	0.0175	0.0012	0.0050	ug/l	0.0200		87	80-120			
LCS Dup (W3K1514-BSD1)					**Prepared & Analyzed: 11/17/23**						
1,2,3-Trichloropropane	0.0175	0.0012	0.0050	ug/l	0.0200		88	80-120	0.4	20	
Duplicate (W3K1514-DUP1)	**Source: 3K09096-01**				**Prepared & Analyzed: 11/17/23**						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l		ND				20	

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Quality Control Results

(Continued)

Organophosphorus Pesticides by EPA Method 8141

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0988 - EPA 8141A											
Blank (W3K0988-BLK1)				**Prepared: 11/13/23 Analyzed: 11/16/23**							
Azinphos methyl (Guthion)	ND	0.041	0.10	ug/l							
Bolstar	ND	0.022	0.10	ug/l							
Chlorpyrifos	ND	0.021	0.10	ug/l							
Coumaphos	ND	0.021	0.10	ug/l							
Demeton-o	ND	0.078	0.10	ug/l							
Demeton-s	ND	0.029	0.10	ug/l							
Diazinon	ND	0.037	0.10	ug/l							
Dichlorvos	ND	0.043	0.10	ug/l							
Dimethoate	ND	0.064	0.25	ug/l							
Disulfoton	ND	0.019	0.10	ug/l							
Ethoprop	ND	0.021	0.10	ug/l							
Ethyl parathion	ND	0.034	0.25	ug/l							
Fensulfothion	ND	0.080	0.10	ug/l							
Fenthion	ND	0.038	0.10	ug/l							
Malathion	ND	0.040	0.25	ug/l							
Merphos	ND	0.050	0.10	ug/l							
Methyl parathion	ND	0.026	0.10	ug/l							
Mevinphos	ND	0.035	0.10	ug/l							
Naled	ND	0.10	0.10	ug/l							
Phorate	ND	0.019	0.10	ug/l							
Ronnel	ND	0.018	0.10	ug/l							
Stirophos	ND	0.024	0.10	ug/l							
Thionazin	ND	0.049	0.25	ug/l							
Tokuthion (Prothiofos)	ND	0.020	0.10	ug/l							
Total Demeton, -o and -s	ND	0.0	0.20	ug/l							
Total Parathion, ethyl & methyl	ND	0.0	0.35	ug/l							
Trichloronate	ND	0.020	0.10	ug/l							
Surrogate(s)											
Triphenyl phosphate	*0.865*			*ug/l*	*1.00*		*87*	*10-181*			
LCS (W3K0988-BS1)				**Prepared: 11/13/23 Analyzed: 11/16/23**							
Azinphos methyl (Guthion)	0.770	0.041	0.10	ug/l	1.00		77	12-167			
Bolstar	0.684	0.022	0.10	ug/l	1.00		68	36-146			
Chlorpyrifos	0.680	0.021	0.10	ug/l	1.00		68	35-149			
Coumaphos	0.899	0.021	0.10	ug/l	1.00		90	24-171			
Demeton-o	0.137	0.078	0.10	ug/l	0.250		55	22-117			
Demeton-s	0.492	0.029	0.10	ug/l	0.750		66	35-137			
Diazinon	0.678	0.037	0.10	ug/l	1.00		68	37-145			
Dichlorvos	0.596	0.043	0.10	ug/l	1.00		60	31-169			
Dimethoate	0.557	0.064	0.25	ug/l	1.00		56	36-188			

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Quality Control Results

(Continued)

Organophosphorus Pesticides by EPA Method 8141 (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0988 - EPA 8141A (Continued)											
LCS (W3K0988-BS1)				**Prepared: 11/13/23 Analyzed: 11/16/23**							
Disulfoton	0.661	0.019	0.10	ug/l	1.00		66	39-140			
Ethoprop	0.672	0.021	0.10	ug/l	1.00		67	40-153			
Ethyl parathion	0.733	0.034	0.25	ug/l	1.00		73	50-120			
Fensulfothion	0.940	0.080	0.10	ug/l	1.00		94	24-178			
Fenthion	0.696	0.038	0.10	ug/l	1.00		70	37-147			
Malathion	0.705	0.040	0.25	ug/l	1.00		71	52-133			
Merphos	0.826	0.050	0.10	ug/l	1.00		83	25-159			
Methyl parathion	0.697	0.026	0.10	ug/l	1.00		70	29-160			
Mevinphos	0.663	0.035	0.10	ug/l	1.00		66	31-146			
Naled	0.604	0.10	0.10	ug/l	1.00		60	0.1-142			
Phorate	0.660	0.019	0.10	ug/l	1.00		66	43-146			
Ronnel	0.677	0.018	0.10	ug/l	1.00		68	30-156			
Stirophos	0.708	0.024	0.10	ug/l	1.00		71	31-166			
Thionazin	0.688	0.049	0.25	ug/l	1.00		69	12-161			
Tokuthion (Prothiofos)	0.679	0.020	0.10	ug/l	1.00		68	36-144			
Trichloronate	0.686	0.020	0.10	ug/l	1.00		69	38-148			
Surrogate(s)											
Triphenyl phosphate	*0.855*			*ug/l*	*1.00*		*85*	*10-181*			
LCS Dup (W3K0988-BSD1)				**Prepared: 11/13/23 Analyzed: 11/16/23**							
Azinphos methyl (Guthion)	0.915	0.041	0.10	ug/l	1.00		92	12-167	17	25	
Bolstar	0.800	0.022	0.10	ug/l	1.00		80	36-146	16	25	
Chlorpyrifos	0.814	0.021	0.10	ug/l	1.00		81	35-149	18	25	
Coumaphos	1.04	0.021	0.10	ug/l	1.00		104	24-171	14	25	
Demeton-o	0.175	0.078	0.10	ug/l	0.250		70	22-117	24	25	
Demeton-s	0.603	0.029	0.10	ug/l	0.750		80	35-137	20	25	
Diazinon	0.811	0.037	0.10	ug/l	1.00		81	37-145	18	25	
Dichlorvos	0.741	0.043	0.10	ug/l	1.00		74	31-169	22	25	
Dimethoate	0.612	0.064	0.25	ug/l	1.00		61	36-188	9	25	
Disulfoton	0.819	0.019	0.10	ug/l	1.00		82	39-140	21	25	
Ethoprop	0.815	0.021	0.10	ug/l	1.00		82	40-153	19	25	
Ethyl parathion	0.863	0.034	0.25	ug/l	1.00		86	50-120	16	25	
Fensulfothion	1.08	0.080	0.10	ug/l	1.00		108	24-178	14	25	
Fenthion	0.832	0.038	0.10	ug/l	1.00		83	37-147	18	25	
Malathion	0.840	0.040	0.25	ug/l	1.00		84	52-133	17	25	
Merphos	0.943	0.050	0.10	ug/l	1.00		94	25-159	13	25	
Methyl parathion	0.836	0.026	0.10	ug/l	1.00		84	29-160	18	25	
Mevinphos	0.796	0.035	0.10	ug/l	1.00		80	31-146	18	25	
Naled	0.765	0.10	0.10	ug/l	1.00		77	0.1-142	23	25	
Phorate	0.814	0.019	0.10	ug/l	1.00		81	43-146	21	25	

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Quality Control Results

(Continued)

Organophosphorus Pesticides by EPA Method 8141 (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0988 - EPA 8141A (Continued)											
LCS Dup (W3K0988-BSD1)				**Prepared: 11/13/23**	**Analyzed: 11/16/23**						
Ronnel	0.811	0.018	0.10	ug/l	1.00		81	30-156	18	25	
Stirophos	0.836	0.024	0.10	ug/l	1.00		84	31-166	17	25	
Thionazin	0.846	0.049	0.25	ug/l	1.00		85	12-161	21	25	
Tokuthion (Prothiofos)	0.802	0.020	0.10	ug/l	1.00		80	36-144	17	25	
Trichloronate	0.817	0.020	0.10	ug/l	1.00		82	38-148	17	25	
Surrogate(s)											
Triphenyl phosphate	*1.00*			*ug/l*	*1.00*		*100*	*10-181*			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C											
Blank (W3K0993-BLK1)				**Prepared: 11/13/23 Analyzed: 11/21/23**							
1,2,4,5-Tetrachlorobenzene	ND	3.7	10	ug/l							
1,2,4-Trichlorobenzene	ND	0.55	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.57	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.25	1.0	ug/l							
1,3,5-Trinitrobenzene	ND	3.9	10	ug/l							
1,3-Dichlorobenzene	ND	0.53	1.0	ug/l							
1,3-Dinitrobenzene	ND	0.21	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.55	1.0	ug/l							
1,4-Naphthoquinone	ND	3.7	10	ug/l							
1,4-Phenylenediamine	ND	2.3	10	ug/l							
1-Methylnaphthalene	ND	0.47	1.0	ug/l							
1-Naphthylamine	ND	3.7	10	ug/l							
2,3,4,6-Tetrachlorophenol	ND	0.15	1.0	ug/l							
2,4,5-Trichlorophenol	ND	0.47	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.89	1.0	ug/l							
2,4-Dinitrophenol	ND	3.4	10	ug/l							
2,4-Dinitrotoluene	ND	0.61	1.0	ug/l							
2,6-Dichlorophenol	ND	3.6	10	ug/l							
2,6-Dinitrotoluene	ND	0.26	1.0	ug/l							
2-Acetylaminofluorene	ND	1.9	10	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methylnaphthalene	ND	0.49	1.0	ug/l							
2-Methylphenol	ND	0.42	1.0	ug/l							
2-Naphthylamine	ND	3.2	10	ug/l							
2-Nitroaniline	ND	0.61	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3 & 4-Methylphenol	ND	0.22	1.0	ug/l							
3,3'- Dimethylbenzidine	ND	6.2	10	ug/l							
3,3'-Dichlorobenzidine	ND	3.3	5.0	ug/l							
3-Methylcholanthrene	ND	3.7	10	ug/l							
3-Nitroaniline	ND	0.66	1.0	ug/l							
4,4´-DDD	ND	3.0	5.0	ug/l							
4,4´-DDE	ND	2.1	5.0	ug/l							
4,4´-DDT	ND	2.9	5.0	ug/l							
4,6-Dinitro-2-methylphenol	ND	1.7	5.0	ug/l							
4-Aminobiphenyl	ND	4.9	10	ug/l							

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FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
Blank (W3K0993-BLK1)				**Prepared: 11/13/23 Analyzed: 11/21/23**							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chloroaniline	ND	0.19	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitroaniline	ND	0.44	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
4-Nitroquinoline-n-oxide	ND	3.8	50	ug/l							
5-Nitro-o-toluidine	ND	4.4	10	ug/l							
7,12-Dimethylbenz (a) anthracene	ND	4.0	10	ug/l							
a,a-Dimethylphenethylamine	ND	5.0	10	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.43	1.0	ug/l							
Acetophenone	ND	3.3	10	ug/l							
Aldrin	ND	4.7	5.0	ug/l							
alpha-BHC	ND	1.3	5.0	ug/l							
Aniline	ND	0.32	1.0	ug/l							
Anthracene	ND	0.21	1.0	ug/l							
Benzidine	ND	3.9	10	ug/l							
Benzo (a) anthracene	ND	0.40	1.0	ug/l							
Benzo (a) pyrene	ND	0.36	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.40	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.35	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.63	1.0	ug/l							
Benzoic acid	ND	17	100	ug/l							
Benzyl alcohol	ND	0.26	1.0	ug/l							
beta-BHC	ND	1.4	5.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.68	1.0	ug/l							
Chlorobenzilate	ND	4.8	10	ug/l							
Chrysene	ND	0.39	1.0	ug/l							
delta-BHC	ND	1.3	5.0	ug/l							
Diallate (cis or trans)	ND	4.0	10	ug/l							
Dibenzo (a,h) anthracene	ND	0.56	2.0	ug/l							
Dibenzofuran	ND	0.37	1.0	ug/l							
Dieldrin	ND	3.7	5.0	ug/l							
Diethyl phthalate	ND	0.43	1.0	ug/l							

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
Blank (W3K0993-BLK1)				**Prepared: 11/13/23 Analyzed: 11/21/23**							
Dimethoate	ND	6.1	10	ug/l							
Dimethyl phthalate	ND	0.45	1.0	ug/l							
Dimethylaminoazobenzene	ND	3.3	10	ug/l							
Di-n-butyl phthalate	ND	0.56	1.0	ug/l							
Di-n-octyl phthalate	ND	0.41	1.0	ug/l							
Disulfoton	ND	2.9	10	ug/l							
Endosulfan I	ND	3.2	10	ug/l							
Endosulfan II	ND	1.4	10	ug/l							
Endosulfan sulfate	ND	1.5	5.0	ug/l							
Endrin	ND	1.4	5.0	ug/l							
Endrin aldehyde	ND	3.8	5.0	ug/l							
Ethyl methanesulfonate	ND	6.0	10	ug/l							
Famphur	ND	2.4	10	ug/l							
Fluoranthene	ND	0.21	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
gamma-BHC (Lindane)	ND	1.4	5.0	ug/l							
Heptachlor	ND	4.5	5.0	ug/l							
Heptachlor epoxide	ND	1.4	5.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	1.5	5.0	ug/l							
Hexachloroethane	ND	0.52	1.0	ug/l							
Hexachloropropene	ND	3.9	10	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.47	2.0	ug/l							
Isodrin	ND	3.8	10	ug/l							
Isophorone	ND	0.50	1.0	ug/l							
Isosafrole	ND	3.8	10	ug/l							
Kepone	ND	2.1	50	ug/l							
Methapyrilene	ND	5.8	50	ug/l							
Methoxychlor	ND	3.7	5.0	ug/l							
Methyl methanesulfonate	ND	2.1	10	ug/l							
Methyl parathion	ND	3.8	10	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodiethylamine	ND	1.5	10	ug/l							
N-Nitrosodimethylamine	ND	0.43	1.0	ug/l							
N-Nitrosodi-n-butylamine	ND	3.0	10	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	1.0	ug/l							

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
Blank (W3K0993-BLK1)				**Prepared: 11/13/23 Analyzed: 11/21/23**							
N-Nitrosomethylethylamine	ND	1.3	10	ug/l							
N-Nitrosomorpholine	ND	1.8	10	ug/l							
N-Nitrosopiperidine	ND	1.5	10	ug/l							
N-Nitrosopyrrolidine	ND	6.0	10	ug/l							
o,o,o-Triethyl phosphorothioate	ND	3.0	10	ug/l							
o,o-Diethyl o-2-pyrazinylphosphorothioate	ND	2.2	10	ug/l							
o-Toluidine	ND	4.8	10	ug/l							
Parathion	ND	2.9	10	ug/l							
Pentachlorobenzene	ND	3.7	10	ug/l							
Pentachloronitrobenzene (PCNB)	ND	3.7	10	ug/l							
Pentachlorophenol	ND	0.38	1.0	ug/l							
Phenacetin	ND	3.6	10	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.16	1.0	ug/l							
Phorate	ND	4.6	10	ug/l							
Pronamide	ND	3.8	10	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Pyridine	ND	2.1	5.0	ug/l							
Safrole	ND	3.4	10	ug/l							
TIC Tentatively Identified Compounds	ND	0.0		ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*34.0*			*ug/l*	*40.0*		*85*	*48-130*			
2-Fluorobiphenyl	*17.5*			*ug/l*	*20.0*		*87*	*43-120*			
2-Fluorophenol	*23.9*			*ug/l*	*40.0*		*60*	*30-100*			
Nitrobenzene-d5	*18.9*			*ug/l*	*20.0*		*95*	*39-130*			
Phenol-d5	*15.9*			*ug/l*	*40.0*		*40*	*18-100*			
Terphenyl-d14	*21.0*			*ug/l*	*20.0*		*105*	*53-130*			
LCS (W3K0993-BS1)				**Prepared: 11/13/23 Analyzed: 11/21/23**							
1,2,4-Trichlorobenzene	14.9	0.55	1.0	ug/l	20.0		75	41-120			
1,2-Dichlorobenzene	16.7	0.57	1.0	ug/l	20.0		83	42-120			
1,3-Dichlorobenzene	16.0	0.53	1.0	ug/l	20.0		80	40-120			
1,4-Dichlorobenzene	16.4	0.55	1.0	ug/l	20.0		82	41-120			
2,4,6-Trichlorophenol	17.4	0.22	1.0	ug/l	20.0		87	45-120			
2,4-Dichlorophenol	16.5	0.26	1.0	ug/l	20.0		82	43-130			
2,4-Dimethylphenol	14.8	0.89	1.0	ug/l	20.0		74	33-120			
2,4-Dinitrophenol	15.9	3.4	10	ug/l	20.0		79	49-142			
2,4-Dinitrotoluene	17.7	0.61	1.0	ug/l	20.0		88	54-130			
2,6-Dinitrotoluene	16.6	0.26	1.0	ug/l	20.0		83	48-120			
2-Chloronaphthalene	15.7	0.45	1.0	ug/l	20.0		79	42-120			

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307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
LCS (W3K0993-BS1)					**Prepared: 11/13/23**	**Analyzed: 11/21/23**					
2-Chlorophenol	14.5	0.28	1.0	ug/l	20.0		73	41-120			
2-Nitrophenol	16.5	0.26	1.0	ug/l	20.0		83	38-130			
4,6-Dinitro-2-methylphenol	16.5	1.7	5.0	ug/l	20.0		82	49-130			
4-Bromophenyl phenyl ether	16.8	0.36	1.0	ug/l	20.0		84	65-130			
4-Chloro-3-methylphenol	16.2	0.23	1.0	ug/l	20.0		81	45-120			
4-Chlorophenyl phenyl ether	15.7	0.41	1.0	ug/l	20.0		79	47-120			
4-Nitrophenol	6.29	1.2	5.0	ug/l	20.0		31	23-100			
Acenaphthene	16.1	0.38	1.0	ug/l	20.0		80	46-130			
Acenaphthylene	15.7	0.43	1.0	ug/l	20.0		79	48-130			
Anthracene	16.2	0.21	1.0	ug/l	20.0		81	58-130			
Benzo (a) anthracene	16.5	0.40	1.0	ug/l	20.0		82	49-130			
Benzo (a) pyrene	18.6	0.36	1.0	ug/l	20.0		93	63-130			
Benzo (b) fluoranthene	18.6	0.40	1.0	ug/l	20.0		93	70-130			AN-IP
Benzo (g,h,i) perylene	19.5	0.35	2.0	ug/l	20.0		98	65-130			
Benzo (k) fluoranthene	17.5	0.63	1.0	ug/l	20.0		88	68-130			AN-IP
Bis(2-chloroethoxy)methane	17.0	0.25	1.0	ug/l	20.0		85	42-130			
Bis(2-chloroethyl)ether	15.8	0.27	1.0	ug/l	20.0		79	40-120			
Bis(2-chloroisopropyl)ether	17.3	0.38	1.0	ug/l	20.0		87	29-130			
Bis(2-ethylhexyl)phthalate	18.8	2.3	5.0	ug/l	20.0		94	56-130			
Butyl benzyl phthalate	18.4	0.68	1.0	ug/l	20.0		92	57-130			
Chrysene	16.2	0.39	1.0	ug/l	20.0		81	70-130			
Dibenzo (a,h) anthracene	18.9	0.56	2.0	ug/l	20.0		94	45-130			
Diethyl phthalate	15.9	0.43	1.0	ug/l	20.0		80	55-130			
Dimethyl phthalate	16.5	0.45	1.0	ug/l	20.0		83	48-130			
Di-n-butyl phthalate	16.8	0.56	1.0	ug/l	20.0		84	68-130			
Di-n-octyl phthalate	17.8	0.41	1.0	ug/l	20.0		89	61-130			
Fluoranthene	16.6	0.21	1.0	ug/l	20.0		83	50-130			
Fluorene	16.4	0.35	1.0	ug/l	20.0		82	49-130			
Hexachlorobenzene	16.2	0.49	1.0	ug/l	20.0		81	57-130			
Hexachlorobutadiene	15.1	0.47	1.0	ug/l	20.0		76	36-130			
Hexachlorocyclopentadiene	14.2	1.5	5.0	ug/l	20.0		71	11-120			
Hexachloroethane	14.9	0.52	1.0	ug/l	20.0		74	41-120			
Indeno (1,2,3-cd) pyrene	18.9	0.47	2.0	ug/l	20.0		94	65-130			
Isophorone	15.6	0.50	1.0	ug/l	20.0		78	41-130			
Naphthalene	15.3	0.49	1.0	ug/l	20.0		77	40-130			
Nitrobenzene	17.0	0.36	1.0	ug/l	20.0		85	41-130			
N-Nitrosodimethylamine	10.7	0.43	1.0	ug/l	20.0		54	41-120			
N-Nitrosodi-n-propylamine	17.0	0.26	1.0	ug/l	20.0		85	73-103			
N-Nitrosodiphenylamine/Diphenylamine	16.9	0.43	1.0	ug/l	20.0		84	66-120			

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307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
LCS (W3K0993-BS1)				**Prepared: 11/13/23**	**Analyzed: 11/21/23**						
Pentachlorophenol	14.5	0.38	1.0	ug/l	20.0		72	51-130			
Phenanthrene	17.0	0.32	1.0	ug/l	20.0		85	60-130			
Phenol	6.97	0.16	1.0	ug/l	20.0		35	19-100			
Pyrene	17.0	0.25	1.0	ug/l	20.0		85	64-130			
Surrogate(s)											
2,4,6-Tribromophenol	*36.4*			*ug/l*	*40.0*		*91*	*48-130*			
2-Fluorobiphenyl	*17.1*			*ug/l*	*20.0*		*86*	*43-120*			
2-Fluorophenol	*21.4*			*ug/l*	*40.0*		*53*	*30-100*			
Nitrobenzene-d5	*17.0*			*ug/l*	*20.0*		*85*	*39-130*			
Phenol-d5	*13.8*			*ug/l*	*40.0*		*35*	*18-100*			
Terphenyl-d14	*20.7*			*ug/l*	*20.0*		*104*	*53-130*			
LCS Dup (W3K0993-BSD1)				**Prepared: 11/13/23**	**Analyzed: 11/21/23**						
1,2,4-Trichlorobenzene	15.5	0.55	1.0	ug/l	20.0		78	41-120	4	30	
1,2-Dichlorobenzene	17.2	0.57	1.0	ug/l	20.0		86	42-120	3	30	
1,3-Dichlorobenzene	16.6	0.53	1.0	ug/l	20.0		83	40-120	4	30	
1,4-Dichlorobenzene	16.9	0.55	1.0	ug/l	20.0		84	41-120	3	30	
2,4,6-Trichlorophenol	17.9	0.22	1.0	ug/l	20.0		89	45-120	2	30	
2,4-Dichlorophenol	17.0	0.26	1.0	ug/l	20.0		85	43-130	3	30	
2,4-Dimethylphenol	15.1	0.89	1.0	ug/l	20.0		75	33-120	2	30	
2,4-Dinitrophenol	16.7	3.4	10	ug/l	20.0		84	49-142	5	30	
2,4-Dinitrotoluene	18.2	0.61	1.0	ug/l	20.0		91	54-130	3	30	
2,6-Dinitrotoluene	17.3	0.26	1.0	ug/l	20.0		87	48-120	4	30	
2-Chloronaphthalene	16.4	0.45	1.0	ug/l	20.0		82	42-120	4	30	
2-Chlorophenol	15.0	0.28	1.0	ug/l	20.0		75	41-120	3	30	
2-Nitrophenol	17.1	0.26	1.0	ug/l	20.0		85	38-130	3	30	
4,6-Dinitro-2-methylphenol	16.9	1.7	5.0	ug/l	20.0		85	49-130	3	30	
4-Bromophenyl phenyl ether	16.8	0.36	1.0	ug/l	20.0		84	65-130	0.3	30	
4-Chloro-3-methylphenol	16.6	0.23	1.0	ug/l	20.0		83	45-120	2	30	
4-Chlorophenyl phenyl ether	16.2	0.41	1.0	ug/l	20.0		81	47-120	3	30	
4-Nitrophenol	6.47	1.2	5.0	ug/l	20.0		32	23-100	3	30	
Acenaphthene	16.7	0.38	1.0	ug/l	20.0		83	46-130	4	30	
Acenaphthylene	16.2	0.43	1.0	ug/l	20.0		81	48-130	3	30	
Anthracene	17.0	0.21	1.0	ug/l	20.0		85	58-130	5	30	
Benzo (a) anthracene	17.2	0.40	1.0	ug/l	20.0		86	49-130	4	30	
Benzo (a) pyrene	19.1	0.36	1.0	ug/l	20.0		95	63-130	3	30	
Benzo (b) fluoranthene	19.2	0.40	1.0	ug/l	20.0		96	70-130	3	30	AN-IP
Benzo (g,h,i) perylene	19.4	0.35	2.0	ug/l	20.0		97	65-130	0.6	30	
Benzo (k) fluoranthene	17.7	0.63	1.0	ug/l	20.0		89	68-130	1	30	AN-IP
Bis(2-chloroethoxy)methane	17.6	0.25	1.0	ug/l	20.0		88	42-130	4	30	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0993 - EPA 8270C (Continued)											
LCS Dup (W3K0993-BSD1)				**Prepared: 11/13/23**	**Analyzed: 11/21/23**						
Bis(2-chloroethyl)ether	16.3	0.27	1.0	ug/l	20.0		82	40-120	4	30	
Bis(2-chloroisopropyl)ether	17.9	0.38	1.0	ug/l	20.0		89	29-130	3	30	
Bis(2-ethylhexyl)phthalate	19.5	2.3	5.0	ug/l	20.0		98	56-130	4	30	
Butyl benzyl phthalate	19.3	0.68	1.0	ug/l	20.0		97	57-130	5	30	
Chrysene	16.6	0.39	1.0	ug/l	20.0		83	70-130	2	30	
Dibenzo (a,h) anthracene	19.1	0.56	2.0	ug/l	20.0		96	45-130	1	30	
Diethyl phthalate	16.1	0.43	1.0	ug/l	20.0		81	55-130	1	30	
Dimethyl phthalate	16.9	0.45	1.0	ug/l	20.0		85	48-130	3	30	
Di-n-butyl phthalate	17.4	0.56	1.0	ug/l	20.0		87	68-130	3	30	
Di-n-octyl phthalate	18.0	0.41	1.0	ug/l	20.0		90	61-130	0.9	30	
Fluoranthene	17.4	0.21	1.0	ug/l	20.0		87	50-130	4	30	
Fluorene	16.5	0.35	1.0	ug/l	20.0		83	49-130	0.8	30	
Hexachlorobenzene	16.5	0.49	1.0	ug/l	20.0		83	57-130	2	30	
Hexachlorobutadiene	15.5	0.47	1.0	ug/l	20.0		77	36-130	2	30	
Hexachlorocyclopentadiene	14.6	1.5	5.0	ug/l	20.0		73	11-120	3	30	
Hexachloroethane	15.2	0.52	1.0	ug/l	20.0		76	41-120	2	30	
Indeno (1,2,3-cd) pyrene	18.9	0.47	2.0	ug/l	20.0		94	65-130	0.1	30	
Isophorone	16.5	0.50	1.0	ug/l	20.0		83	41-130	6	30	
Naphthalene	15.4	0.49	1.0	ug/l	20.0		77	40-130	0.4	30	
Nitrobenzene	17.5	0.36	1.0	ug/l	20.0		87	41-130	3	30	
N-Nitrosodimethylamine	11.5	0.43	1.0	ug/l	20.0		58	41-120	7	30	
N-Nitrosodi-n-propylamine	17.9	0.26	1.0	ug/l	20.0		89	73-103	5	30	
N-Nitrosodiphenylamine/Diphenylamine	17.2	0.43	1.0	ug/l	20.0		86	66-120	2	30	
Pentachlorophenol	15.1	0.38	1.0	ug/l	20.0		76	51-130	4	30	
Phenanthrene	18.0	0.32	1.0	ug/l	20.0		90	60-130	6	30	
Phenol	7.25	0.16	1.0	ug/l	20.0		36	19-100	4	30	
Pyrene	17.9	0.25	1.0	ug/l	20.0		90	64-130	6	30	
Surrogate(s)											
2,4,6-Tribromophenol	*37.9*			*ug/l*	*40.0*		*95*	*48-130*			
2-Fluorobiphenyl	*17.7*			*ug/l*	*20.0*		*89*	*43-120*			
2-Fluorophenol	*22.4*			*ug/l*	*40.0*		*56*	*30-100*			
Nitrobenzene-d5	*17.9*			*ug/l*	*20.0*		*90*	*39-130*			
Phenol-d5	*14.6*			*ug/l*	*40.0*		*37*	*18-100*			
Terphenyl-d14	*21.4*			*ug/l*	*20.0*		*107*	*53-130*			

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported: 12/28/2023 12:47

Quality Control Results

(Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K0979 - EPA 524.3											
Blank (W3K0979-BLK1)				**Prepared: 11/13/23 Analyzed: 11/15/23**							
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.389*			*ug/l*	*0.400*		*97*	*70-130*			
4-Bromofluorobenzene	*0.420*			*ug/l*	*0.400*		*105*	*70-130*			
LCS (W3K0979-BS1)				**Prepared: 11/13/23 Analyzed: 11/15/23**							
1,2-Dibromo-3-chloropropane	0.0479	0.0042	0.010	ug/l	0.0500		96	70-130			
1,2-Dibromoethane (EDB)	0.0550	0.0029	0.020	ug/l	0.0500		110	70-130			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.396*			*ug/l*	*0.400*		*99*	*70-130*			
4-Bromofluorobenzene	*0.421*			*ug/l*	*0.400*		*105*	*70-130*			
LCS Dup (W3K0979-BSD1)				**Prepared: 11/13/23 Analyzed: 11/15/23**							
1,2-Dibromo-3-chloropropane	0.0449	0.0042	0.010	ug/l	0.0500		90	70-130	6	30	
1,2-Dibromoethane (EDB)	0.0543	0.0029	0.020	ug/l	0.0500		109	70-130	1	30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.400*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.424*			*ug/l*	*0.400*		*106*	*70-130*			
Duplicate (W3K0979-DUP1)	**Source: 3K10135-06**			**Prepared: 11/13/23 Analyzed: 11/15/23**							
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l		ND				30	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l		ND				30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.386*			*ug/l*	*0.400*		*96*	*70-130*			
4-Bromofluorobenzene	*0.427*			*ug/l*	*0.400*		*107*	*70-130*			
Batch: W3K1520 - EPA 524.3											
Blank (W3K1520-BLK1)				**Prepared & Analyzed: 11/17/23**							
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.373*			*ug/l*	*0.400*		*93*	*70-130*			
4-Bromofluorobenzene	*0.448*			*ug/l*	*0.400*		*112*	*70-130*			
LCS (W3K1520-BS1)				**Prepared & Analyzed: 11/17/23**							
1,2-Dibromo-3-chloropropane	0.0454	0.0042	0.010	ug/l	0.0500		91	70-130			
1,2-Dibromoethane (EDB)	0.0547	0.0029	0.020	ug/l	0.0500		109	70-130			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.379*			*ug/l*	*0.400*		*95*	*70-130*			
4-Bromofluorobenzene	*0.440*			*ug/l*	*0.400*		*110*	*70-130*			
LCS Dup (W3K1520-BSD1)				**Prepared & Analyzed: 11/17/23**							
1,2-Dibromo-3-chloropropane	0.0506	0.0042	0.010	ug/l	0.0500		101	70-130	11	30	
1,2-Dibromoethane (EDB)	0.0567	0.0029	0.020	ug/l	0.0500		113	70-130	4	30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.382*			*ug/l*	*0.400*		*95*	*70-130*			

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported:
12/28/2023 12:47

Quality Control Results

(Continued)

Volatile Organics by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3K1520 - EPA 524.3 (Continued)											
LCS Dup (W3K1520-BSD1)					**Prepared & Analyzed: 11/17/23**						
Surrogate(s)											
4-Bromofluorobenzene	*0.443*			*ug/l*	*0.400*		*111*	*70-130*			
Duplicate (W3K1520-DUP1)	**Source: 3K10101-02**				**Prepared & Analyzed: 11/17/23**						
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l		ND				30	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l		ND				30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.370*			*ug/l*	*0.400*		*92*	*70-130*			
4-Bromofluorobenzene	*0.438*			*ug/l*	*0.400*		*109*	*70-130*			

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Oilfield Environmental and Compliance, Inc. (OEC)
307 Roemer Way Ste 300
Santa Maria, CA 93454

Project Number: 2308807

Project Manager: Meredith Sprister

Reported:
12/28/2023 12:47

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
J	Estimated conc. detected <MRL and >MDL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
R-01	The MDL and/or MRL for this analyte has been raised to account for matrix interference.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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SUBCONTRACT ORDER

2308807

3K10132

SENDING LABORATORY:

Oilfield Environmental & Compliance, Inc.
307 Roemer Way
Santa Maria, CA 93454
Phone: 805.922.4772 Fax: 805.925.3376
Project Manager: Meredith Sprister (msprister@oecusa.com & projectmgmt@oecusa.com)

RECEIVING LABORATORY:

WECK Laboratories
14859 E. Clark Ave
Industry City, CA 91745
Phone: (626) 336-2139 Fax: (626) 336-2634

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-01	**07-Nov-23 09:15**	**Water**	**FCCL-MW3-231107**	
Analysis:			*Due:*	*Analysis Comments:*
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
8141 Organophosphorus Pesticides			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8151 Chlorinated Herbicides			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C Appendix 2			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C TIC			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(C) 1000mL Glass (Amber)	(D) 1000mL Glass (Amber)	(E) 1000mL Glass (Amber)
(F) 1000mL Glass (Amber)	(G) 1000mL Glass (Amber)	(Q) 40mL (Amber) VOA, acidic buffer
(R) 40mL (Amber) VOA, acidic buffer	(S) 40mL VOA (Amber) Ascorbic/Maleic	(T) 40mL VOA (Amber) Ascorbic/Maleic

Note : All VOAs marked "acidic Buffer" contain Ascorbic Acid

[signature]	11/9/2023	Fed Ex	11/9/2023
Relinquished By	Date	Received By	Date
FED EX	11/10	[signature] 2.1°	9:25 Dave
Relinquished By	Date	Received By	Date

SUBCONTRACT ORDER
2308807

3K10132

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-02	**07-Nov-23 09:25**	**Water**	**FCCL-MW3-DUP-231107**	

Analysis: / *Due:* / *Analysis Comments:*

8151 Chlorinated Herbicides	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.2 1,2,3-Trichloropropane	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
8141 Organophosphorus Pesticides	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C Appendix 2	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C TIC	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.3 EDB, DBCP	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(E) 1000mL Glass (Amber)	(F) 1000mL Glass (Amber)	(G) 1000mL Glass (Amber)
(H) 1000mL Glass (Amber)	(I) 1000mL Glass (Amber)	(Q) 40mL (Amber) VOA, acidic buffer
(R) 40mL (Amber) VOA, acidic buffer	(S) 40mL VOA (Amber) Ascorbic/Maleic	(T) 40mL VOA (Amber) Ascorbic/Maleic

2308807-03	**07-Nov-23 09:50**	**Water**	**FCCL-QCEB-231107**	

Analysis: / *Due:* / *Analysis Comments:*

524.2 1,2,3-Trichloropropane	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.3 EDB, DBCP	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(A) 40mL (Amber) VOA, acidic buffer	(B) 40mL (Amber) VOA, acidic buffer	(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic		

Relinquished By	Date	Received By	Date
11/9/2023	11/9/2023	Fed Ex	11/9/2023
Relinquished By	Date	Received By	Date
Fed Ex	11/10	21°	9:25 DPEL

SUBCONTRACT ORDER
2308807

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-04	**07-Nov-23 07:00**	**Water**	**FCCL-QCTB-231107**	
Analysis:			*Due:*	*Analysis Comments:*
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
Containers Supplied:				
(A) 40mL (Amber) VOA, acidic buffer		(B) 40mL (Amber) VOA, acidic buffer		(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic				
2308807-05	**07-Nov-23 09:40**	**Water**	**FCCL-CONDENSATE-231107**	
Analysis:			*Due:*	*Analysis Comments:*
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
Containers Supplied:				
(A) 40mL (Amber) VOA, acidic buffer		(B) 40mL (Amber) VOA, acidic buffer		(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic				

[signature]	11/9/2023	Fed Ex	11/9/2023
Relinquished By	Date	Received By	Date
Fed Ex	11/10	[signature] 2.1	9:25
Relinquished By	Date	Received By	Date

WECK LABORATORIES, INC.

Sample Receipt Checklist

Weck WKO: **3K10132**
WKO Logged by: Jerico Bolotano
Samples Checked by: Jerico Bolotano

Date/Time Received: 11/10/23 @ 09:25
# of Samples: 05
Delivered by: Fedex

	Task	Yes	No	N/A	Comments
COC	COC present at receipt?	☒	☐		
	COC properly completed?	☒	☐		
	COC matches sample labels?	☒	☐		
	Project Manager notified about COC discrepancy?	☐	☐	☒	
Receipt Information	Sample Temperature	2.1°C			
	Samples received on ice?	☒	☐		
	Ice Type (Blue/Wet)	Wet			
	All samples intact?	☒	☐		
	Samples in proper containers?	☒	☐		
	Sufficient sample volume?	☒	☐		
	Samples intact?	☒	☐		
	Received within holding time?	☒	☐		
	Project Manager notified about receipt info?	☐	☐	☒	
Sample Preservation Verification?	Sample labels checked for correct preservation?	☒	☐	☐	
	VOC Headspace: (No) none, If Yes (see comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	☐	☒	☐	☐<6mm/Pea Size?
	pH verified upon receipt? Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 508.1, 525.2<2, 6710B<2, 608.3 5-9	☐	☐	☒	pH paper Lot#
	Free Chlorine Tested <0.1 (Organics Analyses)	☒	☐	☐	Cl Test Strip Lot# 11032201
	O&G pH <2 verified?	☐	☐	☐	pH paper Lot#
	pH adjusted for O&G	☐	☐	☐	pH Reading: Acid Lot# Amt added:
	Project Manager notified about sample preservation?	☐	☐	☒	

PM Comments

Sample Receipt Checklist Completed by:
Signature: Jerico Bolotano Date: 11/10/23

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2308807

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara
Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101
Phone: 805-882-3619 Email: jhancoc@countyofsb.org
Report To: John Hancock Sampler (Print):

Project Name / No: Groundwater - Semiannual and 5Y COC
Site: Foxen Canyon Closed Class III Landfill PO #:
Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com

Report Format(s): PDF(std) ☑ EDD ☑ EDF(i) ☑ WellSTAR(i) ☐ LTS(i) ☐ OTHER (Custom) EDD ☐
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: L10004697449
WellSTAR Facility / API# / Entity#:

Bacteriological Sample Type: Routine ☐ Repeat ☐ Replacement ☐ Other ☐

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ ___ 1 Day ☐ ___ 2 Day ☐ ___ 3 Day ☐ ___ 5 Day ☐ ___ Standard ☑

* **A** =air/vapor, **P** =product/oil, **S** =solid/sediment, Waters (**DW** =drinking, **GW** =ground, **PW**=produced, **WW** =waste)

Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	TDS SM2540C	Cl-/NO3-N/SO4- EPA 300	Diss. Barium 200.7/200.8	8260B Full/Appl/ Oxy/1,4-Dioxane	EPA 504.1 EDB/DBCP	524.2 1,2,3-TCP	COD 410.4	Metals Table 3*	Mercury 7470	2,3,7,8-TCDD	Special Instructions
						Analysis Requested										All requests subject to OEC Terms & Conditions
01	11/7/23	0915	AQ	16	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	*See attached MRP Constituents of Concern List. MDL report.
			AQ		FCCL-MW4-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW8-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW10-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW11-	X	X	X	X	X	X	X	X	X	X	
02	11/7/23	0925	AQ	16	FCCL-MW11-DUP- (MW3) 231107	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW12-	X	X	X	X	X	X	X	X	X	X	
03	11/7/23	0950	AQ	7	FCCL-QCEB- 231107				X	X	X					
04	11/7/23	0700	AQ	5	FCCL-QCTB- 231107				X	X	X					
05	11/7/23	0940	AQ	7	FCCL-CONDENSATE-231107				X	X	X					3.0°

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
	Nava Tag IBTS	11/7/23	1630		Don Robinson OEC
	Don Robinson OEC	11/7/23	17:34		Greg Reed OEC

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only)

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara

Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101

Phone: 805-882-3619 Email: jhancoc@countyofsb.org

Report To: John Hancock Sampler (Print):

Project Name / No: Groundwater - Semiannual and 5Y COC

Site: Foxen Canyon Closed Class III Landfill PO #:

Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com

Bacteriological Sample Type: Routin Repea Replaceme Other

Report Format(s): PDF(std ☑ EDD ☑ EDF(i) ☑ WellSTAR(i ☐ LTS(i) ☐
OTHER (Custom) EDD ☐
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: L10004697449
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☑

* A =air/vapor, P =product/oil, S =solid/sediment, Waters (DW =drinking, GW =ground, PW=produced, WW =waste)

Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	SVOCs 8270C App II + TIC	VOCs 8260B App II + TIC	Pesticides 8141A	Pesticides 8081A App II	Herbicides 8151A	Cyanide 4500-CN CE	Sulfide 9034	PCBs 8082	Esters, Phenols	Non-halogen Vols 8015	Special Instructions
01 ~~OC~~ TA	11/7/23	0915	AQ	10	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	
			AQ		~~FCCL-MW4-~~	X	X	X	X	X	X	X	X	X	X	2
			AQ		~~FCCL-MW8-~~	X	X	X	X	X	X	X	X	X	X	3
			AQ		~~FCCL-MW10-~~	X	X	X	X	X	X	X	X	X	X	4
			AQ		~~FCCL-MW11-~~	X	X	X	X	X	X	X	X	X	X	5
02 ~~07~~ TA	11/7/23	0925	AQ	10	FCCL-~~MW11~~ MW3-DUP- 231107	X	X	X	X	X	X	X	X	X	X	
			AQ		~~FCCL-MW12-~~	X	X	X	X	X	X	X	X	X	X	6
			AQ		~~FCCL-QCEB-~~											7
			AQ		~~FCCL-QCTB- 231107~~											8

Special Instructions: *All requests subject to OEC Terms & Conditions*

App II – Complete analytical list for Appendix II to 40 CFR, 258. MDL report.

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
	Nava Tag / BTS	11/7/23	1630		Don Robinson OEC
	Don Robinson OEC	11/7/23	17:34		Greg Reed OEC

3. **Constituents of Concern Monitoring:** Constituents of Concern (COC) are listed in **Table 3**, below and either directly include or include by reference all constituents in Appendix II in 40 CFR, Part 258. Monitoring for COC shall encompass only those COC that do not also serve as Monitoring Parameters. The Discharger shall analyze for COC **once every five years**, at each of the monitoring points described in **Table 1** above, unless required more frequently due to an indication of a release. Within three months of installing a new monitoring well, the Discharger shall collect and analyze samples for COC from that well.

TABLE 3
CONSTITUENTS OF CONCERN

Parameter[1]	Method[2]	Units
Antimony	6010B	mg/L
Arsenic	7060A	mg/L
Barium	6010B	mg/L
Beryllium	6010B	mg/L
Cadmium	6010B	mg/L
Chromium	7196A	mg/L
Cobalt	6010B	mg/L
Copper	6010B	mg/L
Cyanide	9010B	mg/L
Lead	7421	mg/L
Magnesium	6010B	mg/L
Mercury	7470A	mg/L
Nickel	6010B	mg/L
Selenium	7742	mg/L
Silver	6010B	mg/L
Sulfide	9030B	mg/L
Thallium	7841	mg/L
Tin	6010B	mg/L
Vanadium	6010B	mg/L
Zinc	6010B	mg/L
Chlorophenoxy Herbicides	8151A	µg/L
Organochlorine Pesticides	8081B	µg/L
Organophosphorous Pesticides	8141A	µg/L
PCBs **	8082A	µg/L
Phthalate Esters	8060	µg/L
Phenols	8040	µg/L
Nonhalogenated Volatiles	8015	µg/L
Semi-Volatile Organic Compounds	8270C	µg/L
Volatile Organic Compounds, Appendix II[3]	8260B	µg/L

(1) The Discharger shall analyze for all parameters using the USEPA analytical methods indicated above (or updated method), including all constituents listed in Appendix II to 40 CFR, Part 258. Wells that are normally monitored for COC in Table 2 do not need to be re-sampled for same constituents in Table 3, during a COC sampling event. The Quarterly, Semiannual, and COC monitoring event shall be conducted simultaneously.

(2) Or an alternative USEPA approved method that provides appropriate lowest practicable detection limits and has Executive Officer approval.

(3) Includes MTBE (EPA Method 8260B), 1,4-Dioxane, TBA.

SUBCONTRACT ORDER
2308807

SENDING LABORATORY:

Oilfield Environmental & Compliance, Inc.
307 Roemer Way
Santa Maria, CA 93454
Phone: 805.922.4772 Fax: 805.925.3376
Project Manager: Meredith Sprister (msprister@oecusa.com & projectmgmt@oecusa.com)

RECEIVING LABORATORY:

Agriculture & Priority Pollutants Laboratories
908 N. Temperance Ave.
Clovis, CA 93611
Phone: (559) 275-2175 Fax: (XXX) XXX-XXXX

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-01	**07-Nov-23 09:15**	**Water**	**FCCL-MW3-231107**	
Analysis:			*Due:*	*Analysis Comments:*
1613 Dioxin (2,3,7,8 TCDD only)			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
Containers Supplied:				
(A) 1000mL Glass (Amber)		(B) 1000mL Glass (Amber)		
2308807-02	**07-Nov-23 09:25**	**Water**	**FCCL-MW3-DUP-231107**	
Analysis:			*Due:*	*Analysis Comments:*
1613 Dioxin (2,3,7,8 TCDD only)			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
Containers Supplied:				
(C) 1000mL Glass (Amber)		(D) 1000mL Glass (Amber)		

Relinquished By	Date	Received By	Date
[signature]	11/9/2023	Fed Ex	11/9/2023
FED EX			
Relinquished By	Date	Received By	Date

Sample Receipt

Work Order Review is Complete

Work Order

2308807 Refresh

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Santa Barbara County RRSWM	3	2	8,3,WECK,Agric&Prior	11/07/2023 17:34	11/08/2023 10:06

Recorded Corrected, Acceptable Range 0°C to 6°C (See Exception Notes Below)

Sample Transport

- [x] OECCourier/Sampler
- [ ] Delivery (Other than OEC)
- [ ] After Hours Drop Off
- [ ] Shipment Carrier Tracking#

Custody Seals: [x] None Present

Cooler(s)	[ ] Present, Intact	[ ] Present, Not Intact	[ ] None
Sample(s)	[ ] Present Intact	[ ] Present, Not Intact	[ ] None

Condition/Preservation

	Yes	No	N/A
[x] Received On Ice Within Range (Acceptable)			
[ ] Received Outside Range(Acceptable)			
[ ] Direct from Field on Ice			
[ ] Ambient: Air or Filter Matrix			
[ ] Received Ambient, Placed on Ice			
[ ] Sample Temperature Accetable for Analysis			
[ ] Received Outside Range [Exception]*			
[ ] Insufficient Ice or Unknown			
[ ] Excessive Free Liquid			
Completed COCs Received with Sample(s)	[x]	[ ]	
Correct Container(s) Preserve for Analysis	[x]	[ ]	
Container(s) Intact and Good Condition	[x]	[ ]	
Container Label(s) Consistent with COC	[x]	[ ]	
OEC Preservation Added**	[ ]	[x]	
Sample Quantity Sufficent	[x]	[ ]	

Containers, COC Changes, And/Or Corrections

Cotainer ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	1000mL Glass (Amber)	Agriculture & Priority Pollutants Laboratories	Water			
01B	1000mL Glass (Amber)	Agriculture & Priority Pollutants Laboratories	Water			
01C	1000mL Glass (Amber)	WECK Laboratories	Water			
01D	1000mL Glass (Amber)	WECK Laboratories	Water			
01E	1000mL Glass (Amber)	WECK Laboratories	Water			
01F	1000mL Glass (Amber)	WECK Laboratories	Water			
01G	1000mL Glass (Amber)	WECK Laboratories	Water			
01H	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
01I	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
01J	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
01K	1000mL Poly	Fridge 8 - Walk-In	Water			
01L	250mL Poly HNO3	Fridge 8 - Walk-In	Water			
01M	250mL Poly HNO3	Fridge 8 - Walk-In	Water			Field Filtered - (CPB)
01N	250mL Poly NaOH	Fridge 8 - Walk-In	Water			
01O	250mL Poly H2SO4	Fridge 8 - Walk-In	Water			
01P	500mL Glass (Amber) NaOH/Zinc Acetate	Fridge 8 - Walk-In	Water			
01Q	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
01R	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
01S	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
01T	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
01U	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
01V	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
01W	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
01X	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
01Y	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
01Z	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
02A	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
02B	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
02C	1000mL Glass (Amber)	Agriculture & Priority Pollutants Laboratories	Water			

02D	1000mL Glass (Amber)	Agriculture & Priority Pollutants Laboratories	Water			
02E	1000mL Glass (Amber)	WECK Laboratories	Water			
02F	1000mL Glass (Amber)	WECK Laboratories	Water			
02G	1000mL Glass (Amber)	WECK Laboratories	Water			
02H	1000mL Glass (Amber)	WECK Laboratories	Water			
02I	1000mL Glass (Amber)	WECK Laboratories	Water			
02J	1000mL Glass (Amber)	Fridge 8 - Walk-In	Water			
02K	1000mL Poly	Fridge 8 - Walk-In	Water			
02L	250mL Poly HNO3	Fridge 8 - Walk-In	Water			
02M	250mL Poly HNO3	Fridge 8 - Walk-In	Water			Field Filtered - (CPB)
02N	250mL Poly NaOH	Fridge 8 - Walk-In	Water			
02O	250mL Poly H2SO4	Fridge 8 - Walk-In	Water			
02P	500mL Glass (Amber) NaOH/Zinc Acetate	Fridge 8 - Walk-In	Water			
02Q	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
02R	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
02S	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
02T	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
02U	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
02V	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
02W	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace
02X	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
02Y	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
02Z	40mL VOA	Fridge 3	Water			VOA Container Free of Headspace
03A	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
03B	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB) VOA Container Free of Headspace
03C	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
03D	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			VOA Container Free of Headspace
03E	40mL VOA HCl	Fridge 3	Water			VOA Container Free of Headspace

03F	40mL VOA HCl	Fridge 3	Water			
						VOA Container Free of Headspace
03G	40mL VOA HCl	Fridge 3	Water			
						VOA Container Free of Headspace
04A	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB)
						VOA Container Free of Headspace
04B	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB)
						VOA Container Free of Headspace
04C	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			
						VOA Container Free of Headspace
04D	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			
						VOA Container Free of Headspace
04E	40mL VOA HCl	Fridge 8 - Walk-In	Water			
						VOA Container Free of Headspace
05A	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB)
						VOA Container Free of Headspace
05B	40mL (Amber) VOA, acidic buffer	WECK Laboratories	Water			Ascorbic Acid - (CPB)
						VOA Container Free of Headspace
05C	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			
						VOA Container Free of Headspace
05D	40mL VOA (Amber) Ascorbic/Maleic	WECK Laboratories	Water			
						VOA Container Free of Headspace
05E	40mL VOA HCl	Fridge 3	Water			
						VOA Container Free of Headspace
05F	40mL VOA HCl	Fridge 3	Water			
						VOA Container Free of Headspace
05G	40mL VOA HCl	Fridge 3	Water			
						VOA Container Free of Headspace

Receipt Login By:
CPB-11/09/23 10:01

Receipt Reviewed By:
TOA-11/09/23 12:40

SUBCONTRACT ORDER
2308807

SENDING LABORATORY:

Oilfield Environmental & Compliance, Inc.
307 Roemer Way
Santa Maria, CA 93454
Phone: 805.922.4772 Fax: 805.925.3376
Project Manager: Meredith Sprister (msprister@oecusa.com & projectmgmt@oecusa.com)

RECEIVING LABORATORY:

WECK Laboratories
14859 E. Clark Ave
Industry City, CA 91745
Phone: (626) 336-2139 Fax: (626) 336-2634

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-01	07-Nov-23 09:15	Water	FCCL-MW3-231107	
Analysis:			*Due:*	*Analysis Comments:*
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
8141 Organophosphorus Pesticides			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8151 Chlorinated Herbicides			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C Appendix 2			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C TIC			24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(C) 1000mL Glass (Amber)	(D) 1000mL Glass (Amber)	(E) 1000mL Glass (Amber)
(F) 1000mL Glass (Amber)	(G) 1000mL Glass (Amber)	(Q) 40mL (Amber) VOA, acidic buffer
(R) 40mL (Amber) VOA, acidic buffer	(S) 40mL VOA (Amber) Ascorbic/Maleic	(T) 40mL VOA (Amber) Ascorbic/Maleic

Note : All VOAs marked "acidic Buffer" contain Ascorbic Acid

Relinquished By	Date	Received By	Date
[signature]	11/9/2023	Fed Ex	11/9/2023
FED EX			
Relinquished By	Date	Received By	Date

SUBCONTRACT ORDER
2308807

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-02	07-Nov-23 09:25	Water	FCCL-MW3-DUP-231107	

Analysis:	*Due:*	*Analysis Comments:*
8151 Chlorinated Herbicides	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.2 1,2,3-Trichloropropane	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
8141 Organophosphorus Pesticides	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C Appendix 2	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
8270C TIC	24-Nov-23 16:00	lowest RL, need transfer file, MDL report
524.3 EDB, DBCP	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(E) 1000mL Glass (Amber)	(F) 1000mL Glass (Amber)	(G) 1000mL Glass (Amber)
(H) 1000mL Glass (Amber)	(I) 1000mL Glass (Amber)	(Q) 40mL (Amber) VOA, acidic buffer
(R) 40mL (Amber) VOA, acidic buffer	(S) 40mL VOA (Amber) Ascorbic/Maleic	(T) 40mL VOA (Amber) Ascorbic/Maleic

Sample ID	Sampled	Matrix	Sample Name
2308807-03	07-Nov-23 09:50	Water	FCCL-QCEB-231107

Analysis:	*Due:*	*Analysis Comments:*
524.2 1,2,3-Trichloropropane	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.3 EDB, DBCP	24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample

Containers Supplied:

(A) 40mL (Amber) VOA, acidic buffer	(B) 40mL (Amber) VOA, acidic buffer	(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic		

Relinquished By	Date	Received By	Date
[signature]	11/9/2023	Fed Ex	11/9/2023
Fed Ex			
Relinquished By	Date	Received By	Date

SUBCONTRACT ORDER
2308807

Sample ID	Sampled	Matrix	Sample Name	Sample Comments
2308807-04	**07-Nov-23 07:00**	**Water**	**FCCL-QCTB-231107**	
Analysis:			*Due:*	*Analysis Comments:*
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
Containers Supplied:				
(A) 40mL (Amber) VOA, acidic buffer		(B) 40mL (Amber) VOA, acidic buffer		(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic				
2308807-05	**07-Nov-23 09:40**	**Water**	**FCCL-CONDENSATE-231107**	
Analysis:			*Due:*	*Analysis Comments:*
524.3 EDB, DBCP			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
524.2 1,2,3-Trichloropropane			24-Nov-23 16:00	lowest RL, need transfer file, MDL report, run trip blank if detected in sample
Containers Supplied:				
(A) 40mL (Amber) VOA, acidic buffer		(B) 40mL (Amber) VOA, acidic buffer		(C) 40mL VOA (Amber) Ascorbic/Maleic
(D) 40mL VOA (Amber) Ascorbic/Maleic				

Relinquished By	Date	Received By	Date
[signature]	11/9/2023	Fed Ex	11/9/2023
Fed Ex			
Relinquished By	Date	Received By	Date

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2308807

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara
Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101
Phone: 805-882-3619 Email: jhancoc@countyofsb.org
Report To: John Hancock Sampler (Print):

Project Name / No: Groundwater - Semiannual and 5Y COC
Site: Foxen Canyon Closed Class III Landfill PO #:
Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com

Report Format(s): PDF(std) ☑ EDD ☑ EDF(i) ☑ WellSTAR(i) ☐ LTS(i) ☐ OTHER (Custom) EDD ☐
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: L10004697449
WellSTAR Facility / API# / Entity#:

Bacteriological Sample Type: Routine ☐ Repeat ☐ Replacement ☐ Other ☐

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ ___ 1 Day ☐ ___ 2 Day ☐ ___ 3 Day ☐ ___ 5 Day ☐ ___ Standard ☑

* **A** =air/vapor, **P** =product/oil, **S** =solid/sediment, Waters (**DW** =drinking, **GW** =ground, **PW**=produced, **WW** =waste)

Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	TDS SM2540C	Cl-/NO3-N/SO4- EPA 300	Diss. Barium 200.7/200.8	8260B Full/Appl/ Oxy/1,4-Dioxane	EPA 504.1 EDB/DBCP	524.2 1,2,3-TCP	COD 410.4	Metals Table 3*	Mercury 7470	2,3,7,8-TCDD	Special Instructions
						Analysis Requested										All requests subject to OEC Terms & Conditions
01	11/7/23	0915	AQ	16	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	X 200.7 Diss Na
			AQ		FCCL-MW4-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW8-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW10-	X	X	X	X	X	X	X	X	X	X	
			AQ		FCCL-MW11-	X	X	X	X	X	X	X	X	X	X	
02	11/7/23	0925	AQ	16	FCCL-MW11-DUP- (MW3) 231107	X	X	X	X	X	X	X	X	X	X	X 200.7 Diss Na
			AQ		FCCL-MW12-	X	X	X	X	X	X	X	X	X	X	
03	11/7/23	0950	AQ	7	FCCL-QCEB- 231107				X	X	X					
04	11/7/23	0700	AQ	5	FCCL-QCTB- 231107				X	X	X					
05	11/7/23	0940	AQ	7	FCCL - CONDENSATE - 231107				X	X	X					3.0°

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
	Nava Tag IBTS	11/7/23	1630		Don Robinson OEC
	Don Robinson OEC	11/7/23	17:34		Greg Reed OEC

X added per client email MLS 1/4/2024

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only)

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara

Address: 130 E. Victoria St., Suite 100, Santa Barbara, CA 93101

Phone: 805-882-3619 Email: jhancoc@countyofsb.org

Report To: John Hancock Sampler (Print):

Project Name / No: Groundwater - Semiannual and 5Y COC

Site: Foxen Canyon Closed Class III Landfill PO #:

Comments: CC report to: cwilder@countyofsb.org; kevbrown@countyofsb.org; mcline@geosyntec.com; jwhittet@geosyntec.com; cadkison@geosyntec.com; sbroeckxsmith@geosyntec.com

Bacteriological Sample Type: Routin Repea Replaceme Other

Report Format(s): PDF(std ☑ EDD ☑ EDF(i) ☑ WellSTAR(i ☐ LTS(i) ☐
OTHER (Custom) EDD ☐
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: L10004697449
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☑

* A =air/vapor, P =product/oil, S =solid/sediment, Waters (DW =drinking, GW =ground, PW=produced, WW =waste)

	Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	SVOCs 8270C App II + TIC	VOCs 8260B App II + TIC	Pesticides 8141A	Pesticides 8081A App II	Herbicides 8151A	Cyanide 4500-CN CE	Sulfide 9034	PCBs 8082	Esters, Phenols	Non-halogen Vols 8015	Special Instructions
01	~~OC~~ TA	11/7/23	0915	AQ	10	FCCL-MW3- 231107	X	X	X	X	X	X	X	X	X	X	
				AQ		~~FCCL-MW4-~~	X	X	X	X	X	X	X	X	X	X	②
				AQ		~~FCCL-MW8-~~	X	X	X	X	X	X	X	X	X	X	③
				AQ		~~FCCL-MW10-~~	X	X	X	X	X	X	X	X	X	X	④
				AQ		~~FCCL-MW11-~~	X	X	X	X	X	X	X	X	X	X	⑤
02	~~07~~ TA	11/7/23	0925	AQ	10	FCCL-MW11-DUP- (MW3) 231107	X	X	X	X	X	X	X	X	X	X	
				AQ		~~FCCL-MW12-~~	X	X	X	X	X	X	X	X	X	X	⑥
				AQ		~~FCCL-QCEB-~~											⑦
				AQ		~~FCCL-QCTB- 231107~~											⑧

Analysis Requested

Special Instructions: *All requests subject to OEC Terms & Conditions*

App II – Complete analytical list for Appendix II to 40 CFR, 258. MDL report.

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
	Nava Tag / BTS	11/7/23	1630		Don Robinson OEC
	Don Robinson OEC	11/7/23	17:34		Greg Reed OEC

3. **Constituents of Concern Monitoring:** Constituents of Concern (COC) are listed in **Table 3**, below and either directly include or include by reference all constituents in Appendix II in 40 CFR, Part 258. Monitoring for COC shall encompass only those COC that do not also serve as Monitoring Parameters. The Discharger shall analyze for COC **once every five years**, at each of the monitoring points described in **Table 1** above, unless required more frequently due to an indication of a release. Within three months of installing a new monitoring well, the Discharger shall collect and analyze samples for COC from that well.

TABLE 3
CONSTITUENTS OF CONCERN

Parameter[1]	Method[2]	Units
Antimony	6010B	mg/L
Arsenic	7060A	mg/L
Barium	6010B	mg/L
Beryllium	6010B	mg/L
Cadmium	6010B	mg/L
Chromium	7196A	mg/L
Cobalt	6010B	mg/L
Copper	6010B	mg/L
Cyanide	9010B	mg/L
Lead	7421	mg/L
Magnesium	6010B	mg/L
Mercury	7470A	mg/L
Nickel	6010B	mg/L
Selenium	7742	mg/L
Silver	6010B	mg/L
Sulfide	9030B	mg/L
Thallium	7841	mg/L
Tin	6010B	mg/L
Vanadium	6010B	mg/L
Zinc	6010B	mg/L
Chlorophenoxy Herbicides	8151A	µg/L
Organochlorine Pesticides	8081B	µg/L
Organophosphorous Pesticides	8141A	µg/L
PCBs **	8082A	µg/L
Phthalate Esters	8060	µg/L
Phenols	8040	µg/L
Nonhalogenated Volatiles	8015	µg/L
Semi-Volatile Organic Compounds	8270C	µg/L
Volatile Organic Compounds, Appendix II[3]	8260B	µg/L

(1) The Discharger shall analyze for all parameters using the USEPA analytical methods indicated above (or updated method), including all constituents listed in Appendix II to 40 CFR, Part 258. Wells that are normally monitored for COC in Table 2 do not need to be re-sampled for same constituents in Table 3, during a COC sampling event. The Quarterly, Semiannual, and COC monitoring event shall be conducted simultaneously.

(2) Or an alternative USEPA approved method that provides appropriate lowest practicable detection limits and has Executive Officer approval.

(3) Includes MTBE (EPA Method 8260B), 1,4-Dioxane, TBA.

Analytical Report

Oilfield Environmental & Compliance, Inc.

Christina Wilder
Santa Barbara County RRSWM
130 E. Victoria Suite 100
Santa Barbara, CA 93103

OEC Work Order: **2310053**
Report Date: **January 19, 2024 13:32**

Project: **FCCL Storm Water Sampling**
Number: FCCL

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on December 21, 2023 08:03 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:

Meredith Sprister, Business Director
msprister@oecusa.com

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	2310053
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
FCCL-SWMP1-20231219	2310053-01	Water	Water	12/19/2023 11:50	12/21/2023 08:03

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
General Chemistry Parameters by EPA or APHA Standard Methods		
Conductivity, SM2510B	B3L0880	12/27/2023 14:02
Oil and Grease by EPA 1664	B4A0434	01/15/2024 08:12
Solids, Total Suspended (TSS), SM2540D	B3L0807	12/26/2023 07:35
Total Metals by ICP		
200.7 Total	B4A0051	01/02/2024 14:40

CA-ELAP 2438, TNI 02666
307 Roemer Way, Santa Maria, CA 93454
Client Connect: client.oec.com\reports
www.oecusa.com
TEL: (805) 922-4772
FAX: (805) 925-3376

Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	2310053
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

Analytical Report for Samples

Sample ID : **FCCL-SWMP1-20231219**
Matrix : Water
Lab ID : 2310053-01

Sampled : 12/19/23 11:50
Sampled by : Nicol/Kelsey
Field Data : NA

Analyte	Result	MDL	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by ICP									
Iron	1.8	0.025	0.050	mg/L	1	B4A0051	01/08/24 13:57	EPA 200.7	
General Chemistry Parameters by EPA or APHA Standard Methods									
Specific Conductance (EC) @ 25 C	430	0.67	2.0	umhos/cm	1	B3L0880	12/27/23 15:02	SM 2510B	
Total Oil & Grease	2.6	1.4	5.0	mg/L	"	B4A0434	01/15/24 08:20	EPA 1664A	J
Total Suspended Solids	44	2.5	10	"	"	B3L0807	12/26/23 09:07	SM 2540D	

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	2310053
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

Total Metals by ICP - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A0051 - EPA 200.7 Preparation: EPA 200.7 01/02/24 14:40											
Blank (B4A0051-BLK1) Analyzed: 01/08/24 11:43											
Iron	ND	0.025	0.050	mg/L							
LCS (B4A0051-BS1) Analyzed: 01/08/24 11:51											
Iron	10.4	0.025	0.050	mg/L	10.0		104	85-115			
LCS Dup (B4A0051-BSD1) Analyzed: 01/08/24 11:53											
Iron	10.8	0.025	0.050	mg/L	10.0		108	85-115	4	20	
Duplicate (B4A0051-DUP1) **Source: 2310066-02** Analyzed: 01/08/24 12:09											
Iron	0.128	0.025	0.050	mg/L		0.123			4	20	
Matrix Spike (B4A0051-MS1) **Source: 2310066-02** Analyzed: 01/08/24 11:56											
Iron	10.0	0.025	0.050	mg/L	10.0	0.123	99	70-130			
Matrix Spike (B4A0051-MS2) **Source: 2310127-01** Analyzed: 01/08/24 11:58											
Iron	10.8	0.025	0.050	mg/L	10.0	0.0306	108	70-130			

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	2310053
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

General Chemistry Parameters by EPA or APHA Standard Methods - Quality Control

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L0807 - SM 2540D Preparation: 2540 D TSS Prep 12/26/23 07:35											
Blank (B3L0807-BLK1)					Analyzed: 12/26/23 09:07						
Total Suspended Solids	ND	2.5	10	mg/L							
LCS (B3L0807-BS1)					Analyzed: 12/26/23 09:07						
Total Suspended Solids	103	2.5	10	mg/L	100		103	80-120			
LCS Dup (B3L0807-BSD1)					Analyzed: 12/26/23 09:07						
Total Suspended Solids	101	2.5	10	mg/L	100		101	80-120	2	200	
Duplicate (B3L0807-DUP1)	**Source: 2310062-02**				Analyzed: 12/26/23 09:07						
Total Suspended Solids	85.0	2.5	10	mg/L		85.0			0	20	
Batch B3L0880 - SM 2510B Preparation: SM 2510B Prep 12/27/23 14:02											
LCS (B3L0880-BS1)					Analyzed: 12/27/23 15:02						
Specific Conductance (EC) @ 25 C	83.5	0.67	2.0	umhos/cm	84.0		99	75-125			
LCS (B3L0880-BS2)					Analyzed: 12/27/23 15:02						
Specific Conductance (EC) @ 25 C	9430	0.67	2.0	umhos/cm	9990		94	75-125			
LCS (B3L0880-BS3)					Analyzed: 12/27/23 15:02						
Specific Conductance (EC) @ 25 C	97,300	0.67	2.0	umhos/cm	99,800		97	75-125			
Duplicate (B3L0880-DUP1)	**Source: 2310053-01**				Analyzed: 12/27/23 15:02						
Specific Conductance (EC) @ 25 C	443	0.67	2.0	umhos/cm		433			2	20	
Batch B4A0434 - EPA 1664A Preparation: EPA 1664 Oil and Grease Prep 01/15/24 08:12											
Blank (B4A0434-BLK1)					Analyzed: 01/15/24 08:20						
Total Oil & Grease	ND	1.4	5.0	mg/L							
LCS (B4A0434-BS1)					Analyzed: 01/15/24 08:20						
Total Oil & Grease	39.4	1.4	5.0	mg/L	40.0		98	78-114			
LCS Dup (B4A0434-BSD1)					Analyzed: 01/15/24 08:20						
Total Oil & Grease	41.6	1.4	5.0	mg/L	40.0		104	78-114	5	18	

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Oilfield Environmental & Compliance, Inc.

Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	2310053
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
General Chemistry Parameters by EPA or APHA Standard Methods			
Oil and Grease by EPA 1664	EPA 1664A	Water	OEC, CA-ELAP,NELAP
Conductivity, SM2510B	SM 2510B	Water	OEC, CA-ELAP,NELAP
Conductivity, SM2510B	SM 2510B	Water	OEC, Internal
Solids, Total Suspended (TSS), SM2540D	SM 2540D	Water	OEC, CA-ELAP,NELAP
Total Metals by ICP			
200.7 Total Iron	EPA 200.7	Water	OEC, CA-ELAP,NELAP

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
J	Detected but below the RL/PQL; therefore, result is an estimated concentration.

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Santa Barbara County RRSWM	Project: FCCL Storm Water Sampling	WO & Reported:
130 E. Victoria Suite 100	Project Number: FCCL	**2310053**
Santa Barbara CA, 93103	Project Manager: Christina Wilder	01/19/2024 13:32

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2310053

CHAIN OF CUSTODY

Rev 02/09/2021

Company: County of Santa Barbara	Project Name / No: FCCL Storm Water Sampling
Address: 130 E. Victoria St, Suite 100, Santa Barbara, CA 93101	Site: FCCL / PO #:
Phone: 805-478-5672 / Email: Cwilder@countyofsb.org	Comments: Please CC result report to: Christina Wilder cwilder@countyofsb.org; Maia Colyar mcolyar@geosyntec.com; Justin Whittet jwhittet@geosyntec.com
Report To: Christina Wilder	Sampler (Print): Nicol / Kelsey (Geosyntec Consultants)

Report Format(s):

(i) EDF Global ID/Log Code, LTS(SDWIS) PWS:
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
Standard

Bacteriological Sample Type:

* **A** =air/vapor, **P** =product/oil, **S** =solid/sediment, Waters (**DW** =drinking, **GW** =ground, **PW**=produced, **WW** =waste)

Lab Use Only	Sampled Date & Time	Matrix*	# of Cont.	Sample ID	Oil & Grease - EPA1664A (HCl)	TSS - SM 2540D (none)	Total Iron - EPA 200.7 (HNO3)	Specific Conductance - EPA 120.1	Analysis Requested: All OEC
	12/19/2023 11:30	SW	4	FCCL-SWMP1-20231219	X	X	X	X	pH = 5.6 °C

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & C
Kelsey Husted	Nicol Pathak Kelsey Husted Geosyntec Consultants	12/19/2023 12/21/23	8:03		CBUHN OEC

Sample Receipt

Work Order Review is Complete

Work Order

2310053 Refresh

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Santa Barbara County RRSWM	5.6	2	8	12/21/2023 08:03	12/21/2023 11:47

Recorded Corrected, Acceptable Range 0°C to 6°C (See Exception Notes Below)

Sample Transport

- [ ] OECCourier/Sampler
- [ ] After Hours Drop Off
- [x] Delivery (Other than OEC)
- [ ] Shipment Carrier Tracking#

Custody Seals: [x] None Present

Cooler(s)	[ ] Present, Intact	[ ] Present, Not Intact	[ ] None
Sample(s)	[ ] Present Intact	[ ] Present, Not Intact	[ ] None

Condition/Preservation

	Yes	No	N/A
[x] Received On Ice Within Range (Acceptable)			
[ ] Received Outside Range(Acceptable)			
[ ] Direct from Field on Ice			
[ ] Ambient: Air or Filter Matrix			
[ ] Received Ambient, Placed on Ice			
[ ] Sample Temperature Accetable for Analysis			
[ ] Received Outside Range [Exception]*			
[ ] Insufficient Ice or Unknown			
[ ] Excessive Free Liquid			
Completed COCs Received with Sample(s)	[x]	[ ]	
Correct Container(s) Preserve for Analysis	[x]	[ ]	
Container(s) Intact and Good Condition	[x]	[ ]	
Container Label(s) Consistent with COC	[x]	[ ]	
OEC Preservation Added**	[ ]	[x]	
Sample Quantity Sufficent	[x]	[ ]	

Containers, COC Changes, And/Or Corrections

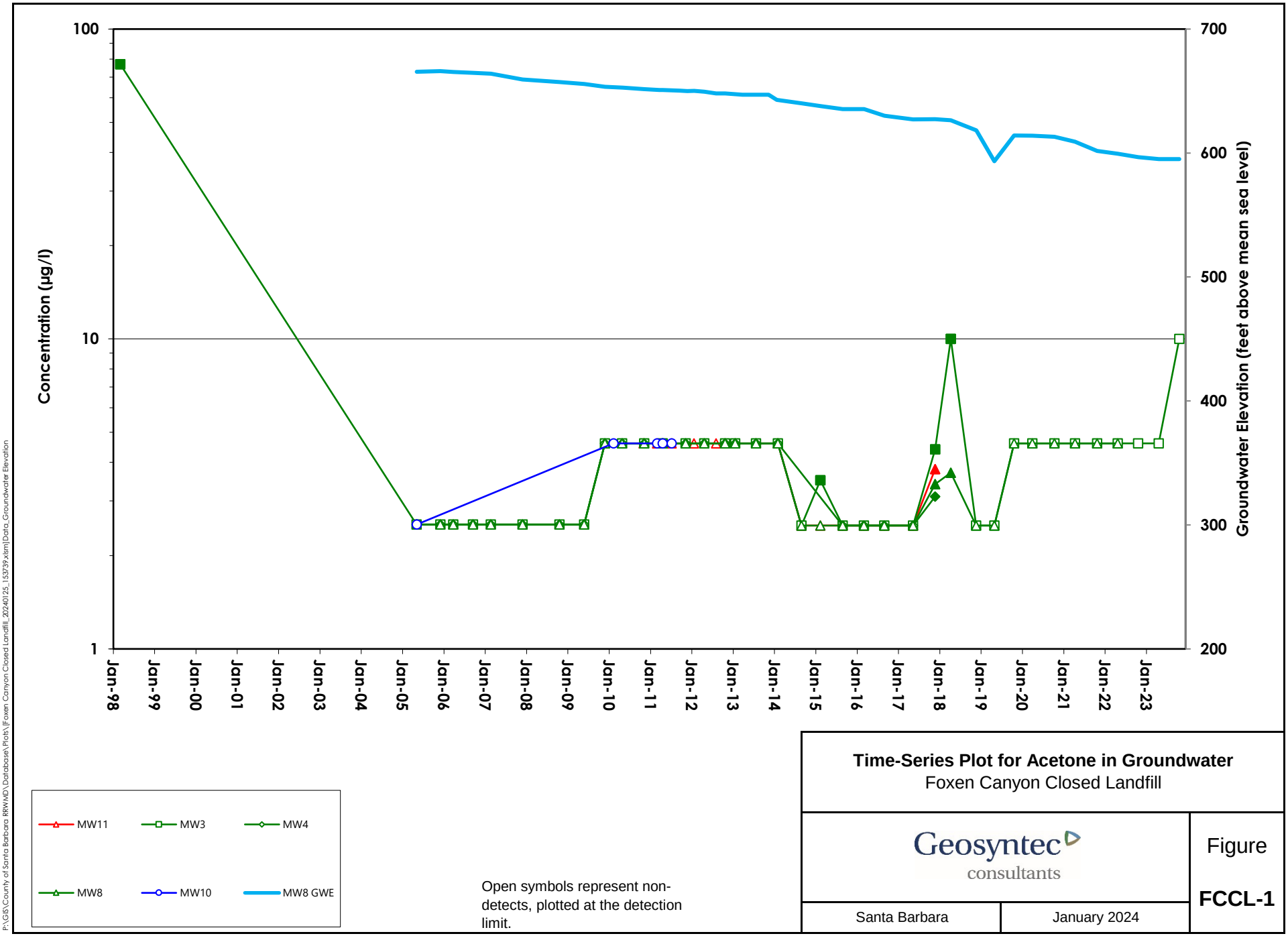
Cotaniner ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	1000mL Glass (Amber) HCl	Fridge 8 - Walk-In	Water			
01B	1000mL Poly	Fridge 8 - Walk-In	Water			
01C	250mL Poly HNO3	Fridge 8 - Walk-In	Water			
01D	125mL Poly	Fridge 8 - Walk-In	Water			

Receipt Login By: TOA-12/21/23 14:08

Receipt Reviewed By: CPB-12/21/23 14:14

APPENDIX E

TIME SERIES TREND PLOTS



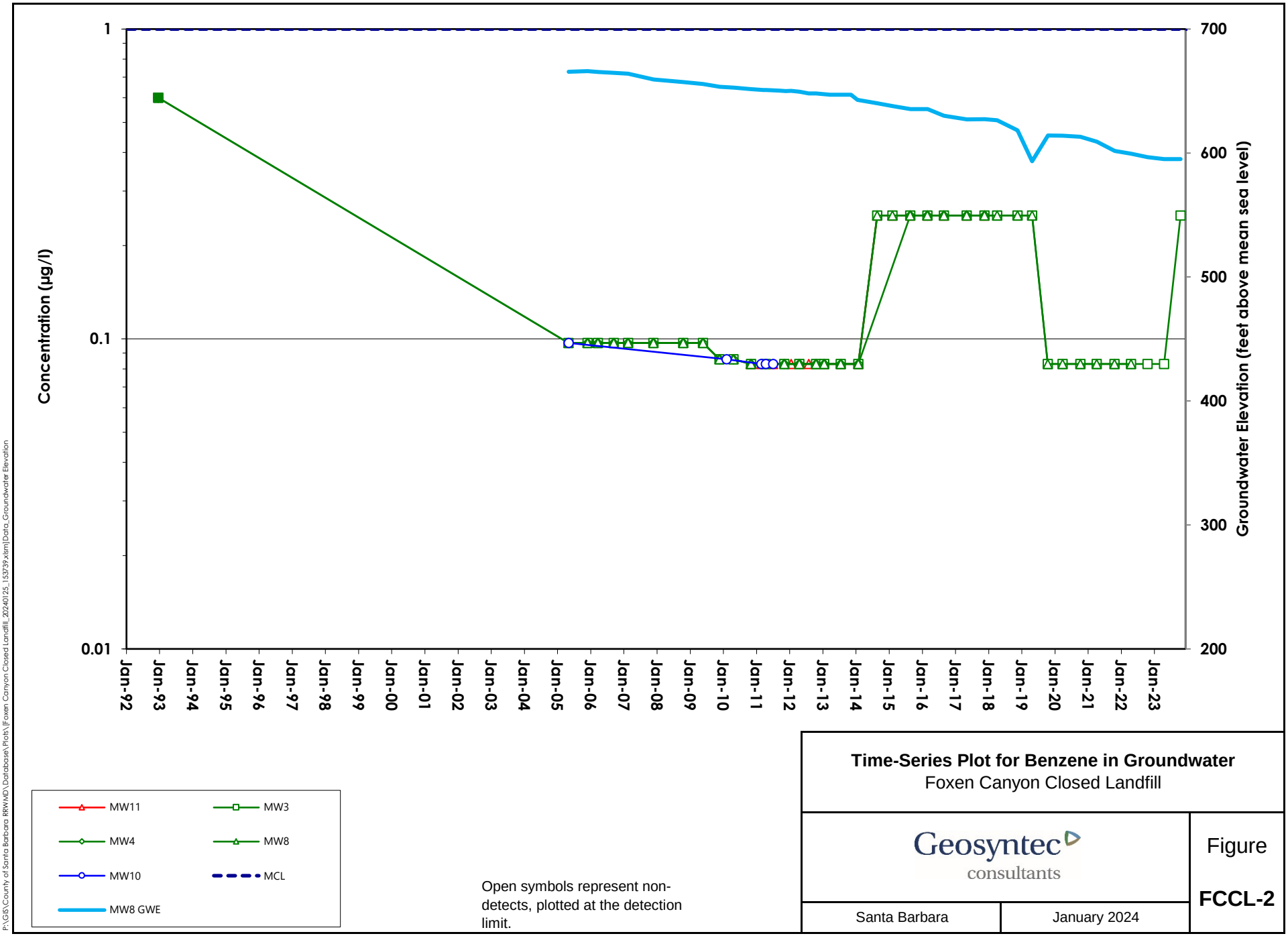
Time-Series Plot for Acetone in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Figure
FCCL-1

Santa Barbara | January 2024

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

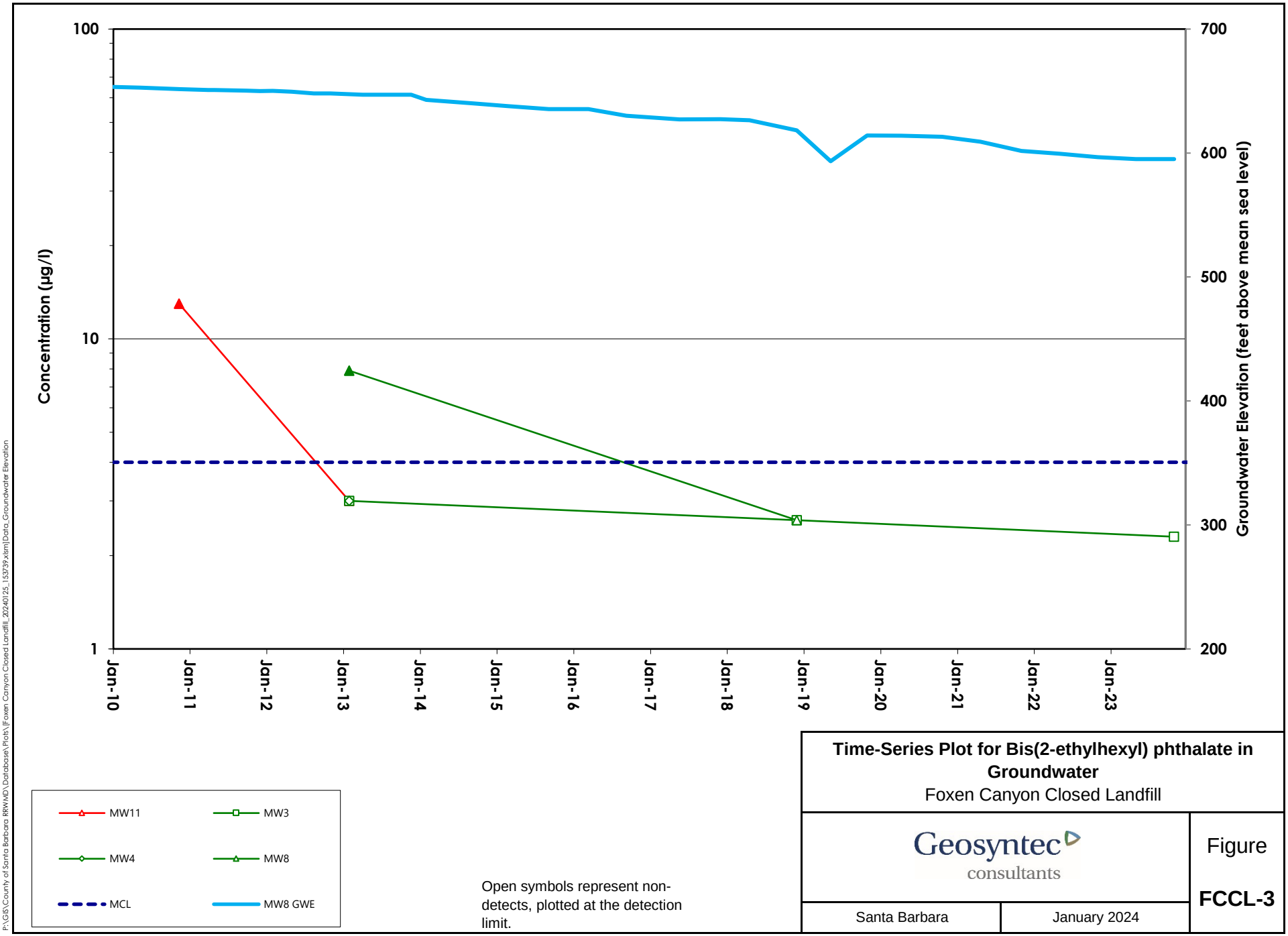
Time-Series Plot for Benzene in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Santa Barbara | January 2024

Figure
FCCL-2

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Bis(2-ethylhexyl) phthalate in Groundwater

Foxen Canyon Closed Landfill

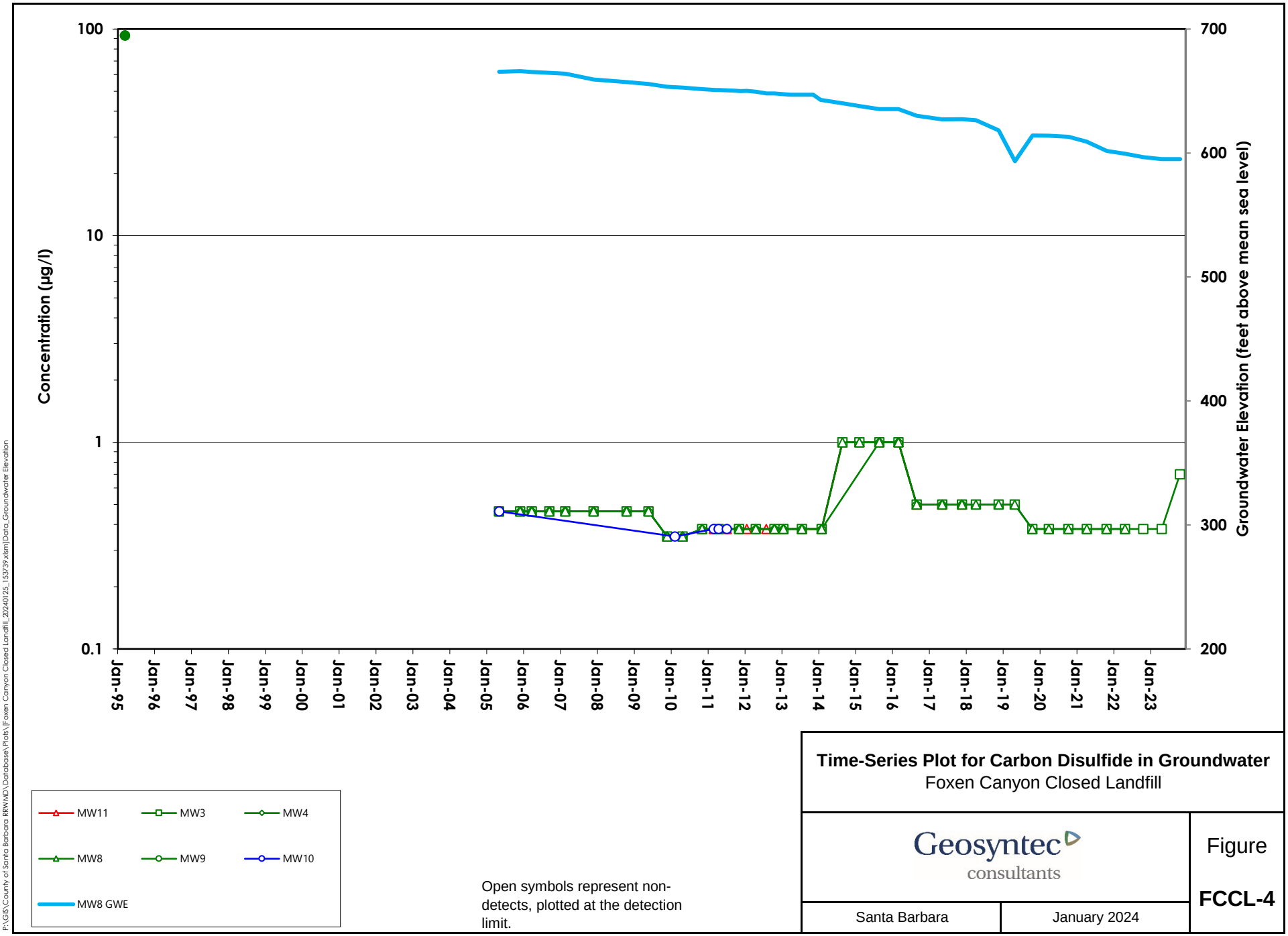
Geosyntec consultants

Santa Barbara | January 2024

Figure

FCCL-3

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Carbon Disulfide in Groundwater
Foxen Canyon Closed Landfill

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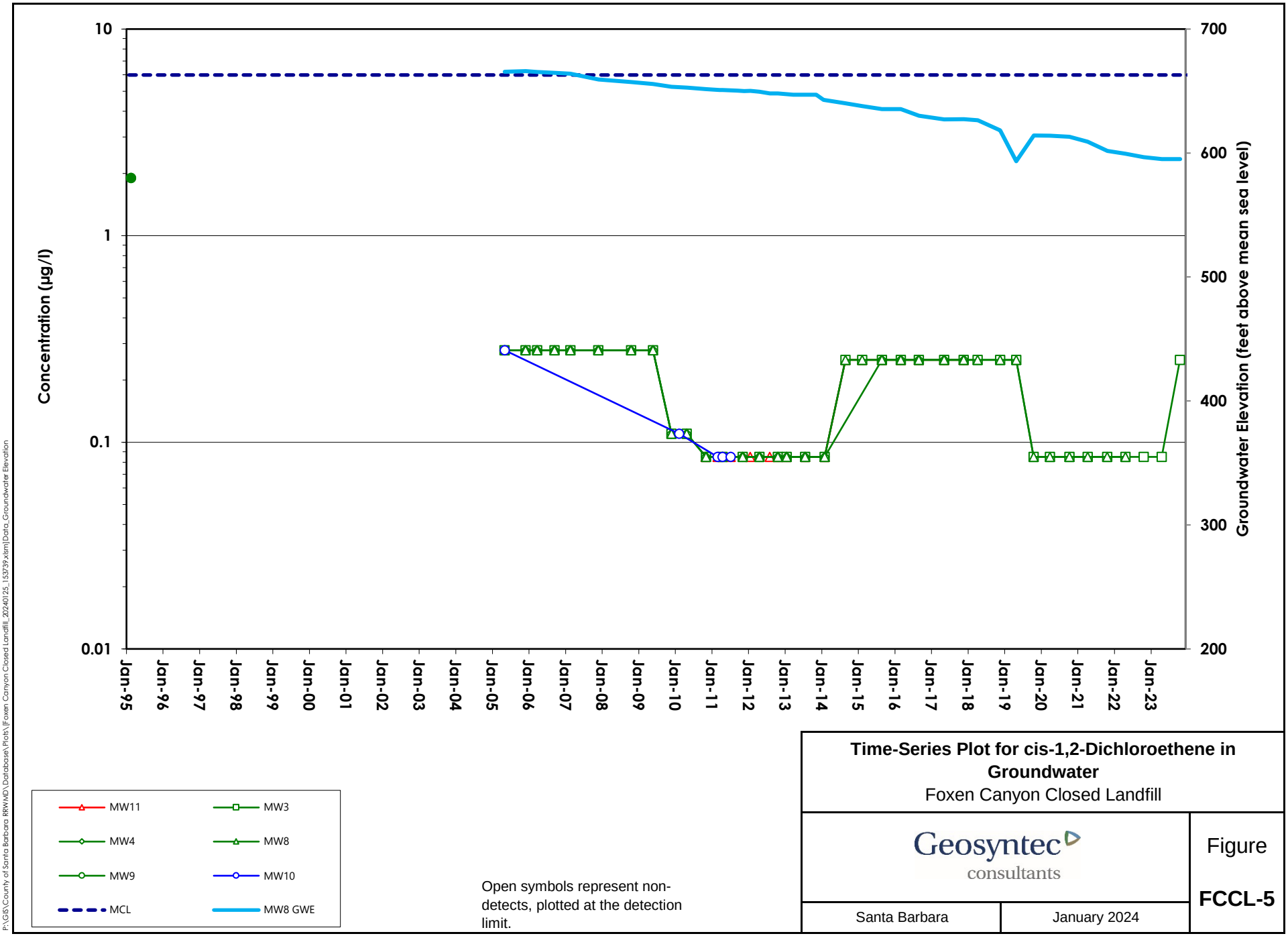
Santa Barbara | January 2024

Figure
FCCL-4



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for cis-1,2-Dichloroethene in Groundwater

Foxen Canyon Closed Landfill

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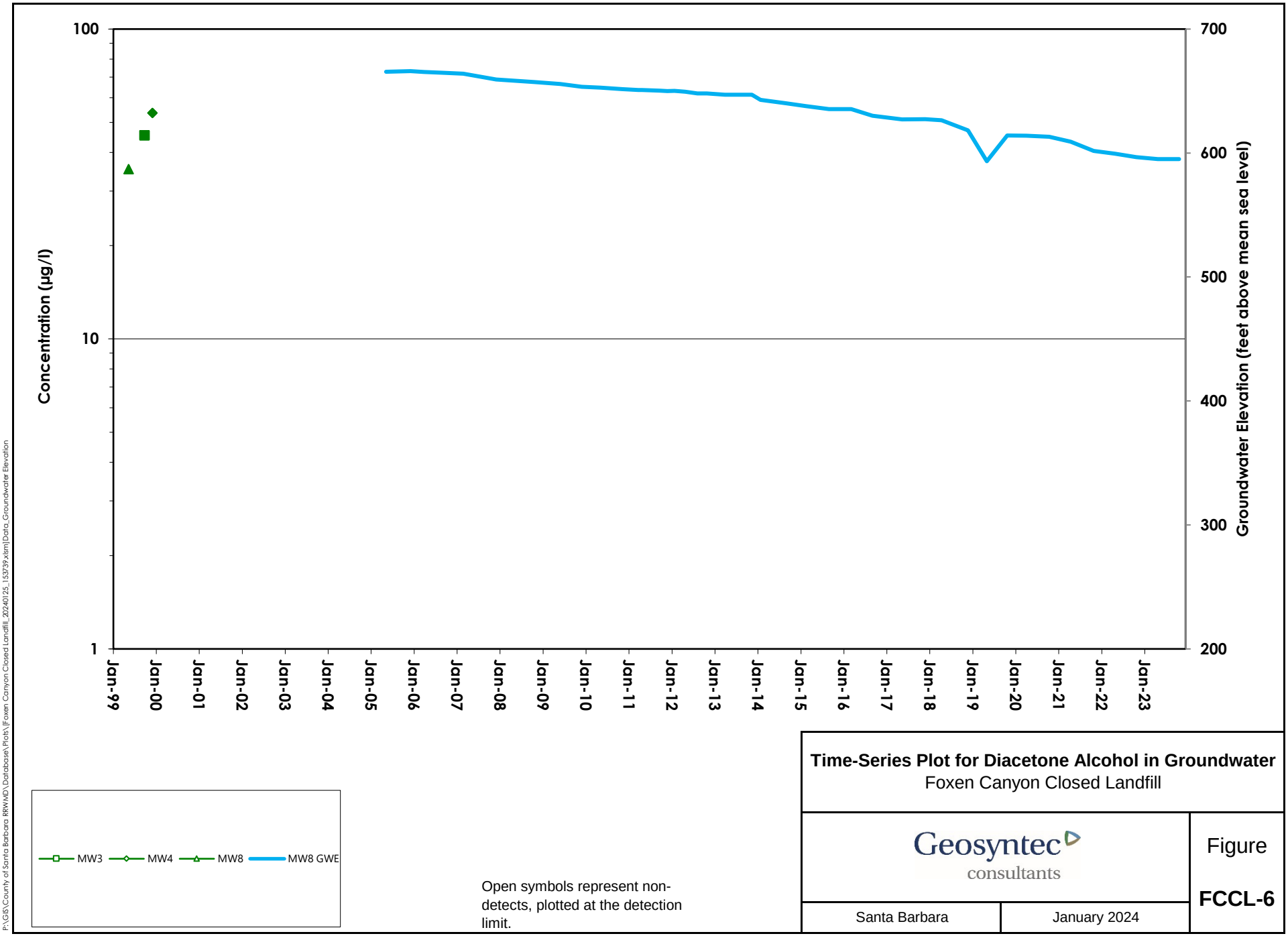
Santa Barbara | January 2024

Figure

FCCL-5

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Diacetone Alcohol in Groundwater
Foxen Canyon Closed Landfill

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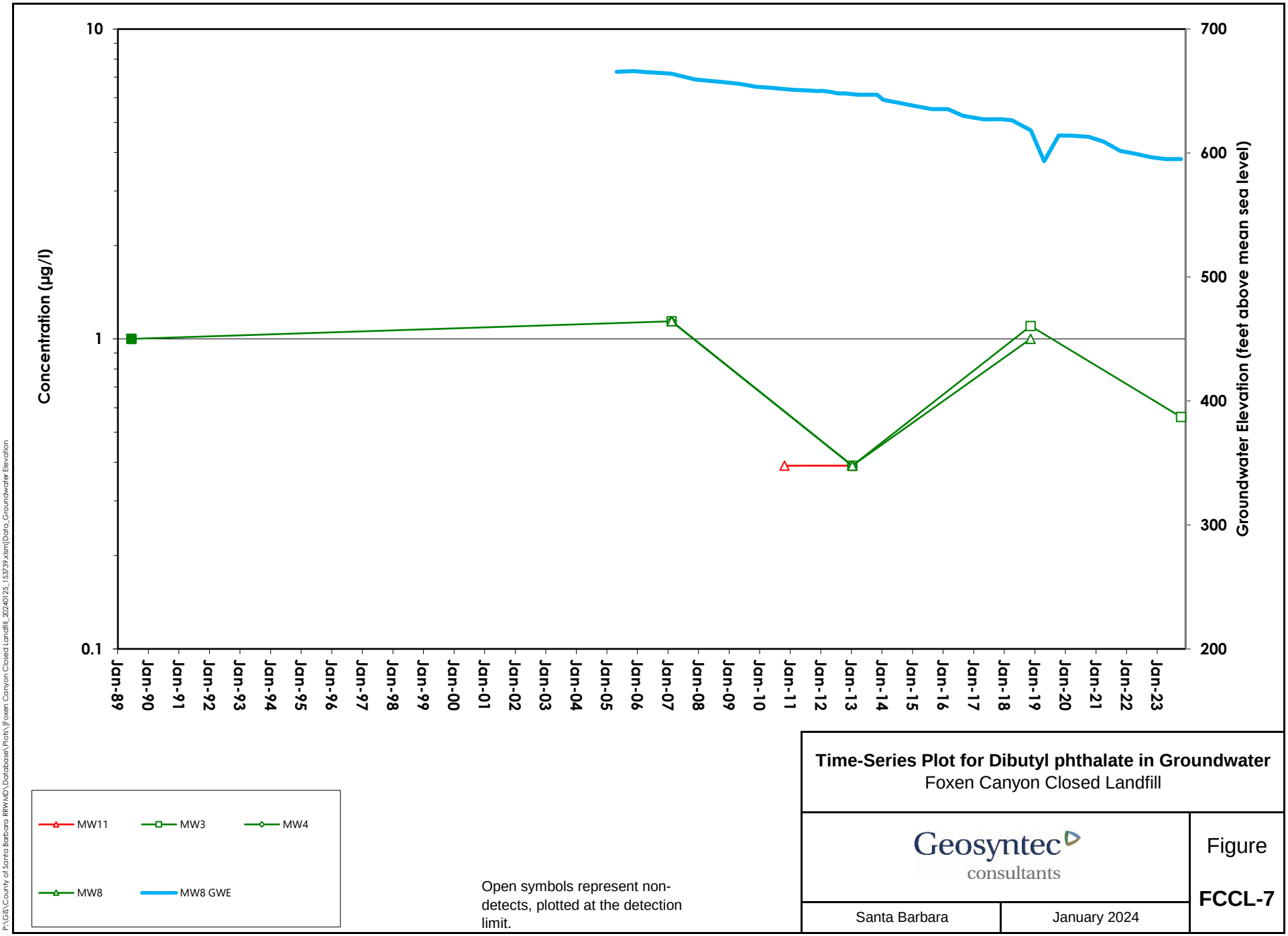
Santa Barbara | January 2024

Figure
FCCL-6

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

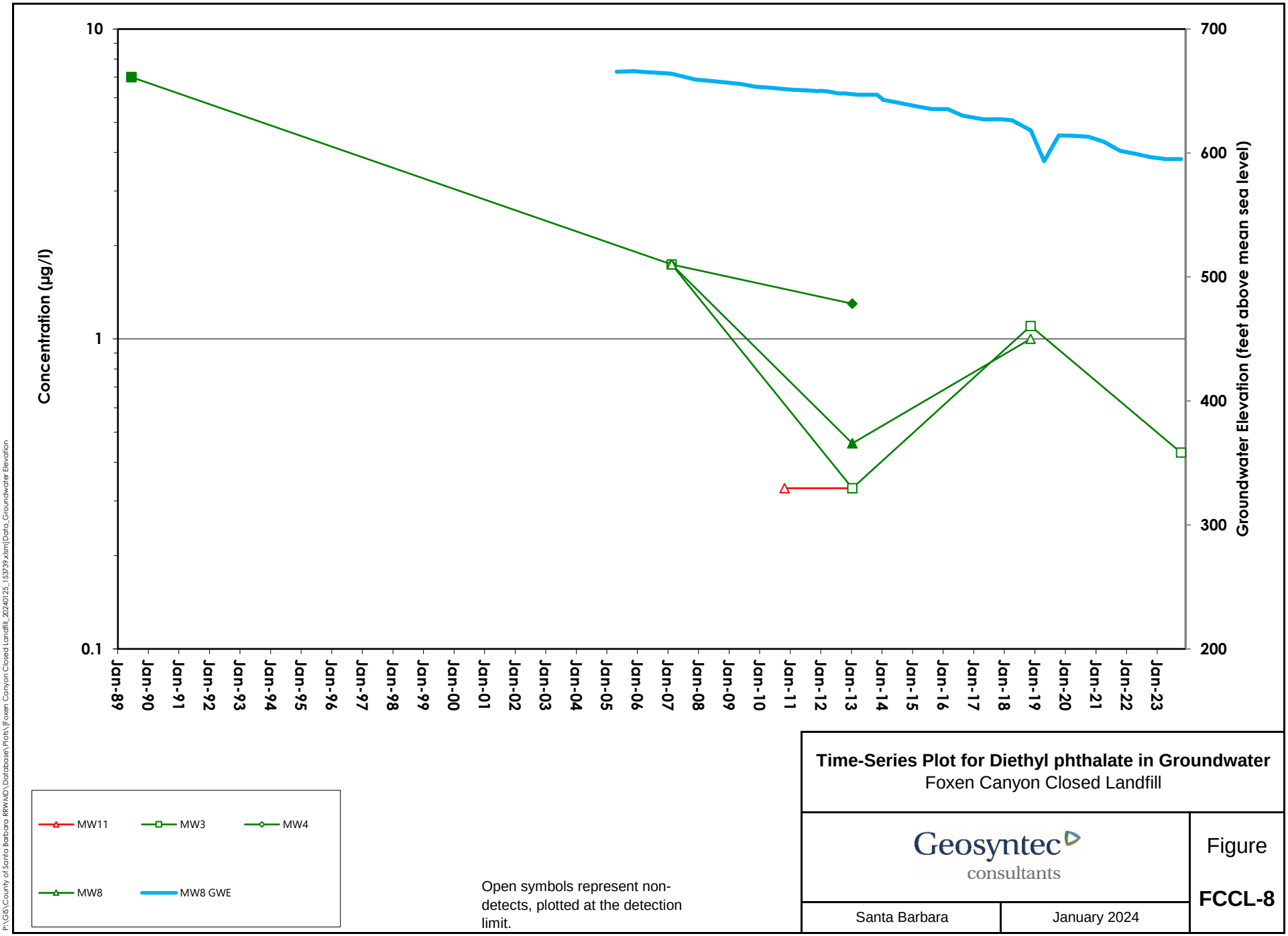
Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Dibutyl phthalate in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Santa Barbara | January 2024

Figure
FCCL-7



Open symbols represent non-detects, plotted at the detection limit.

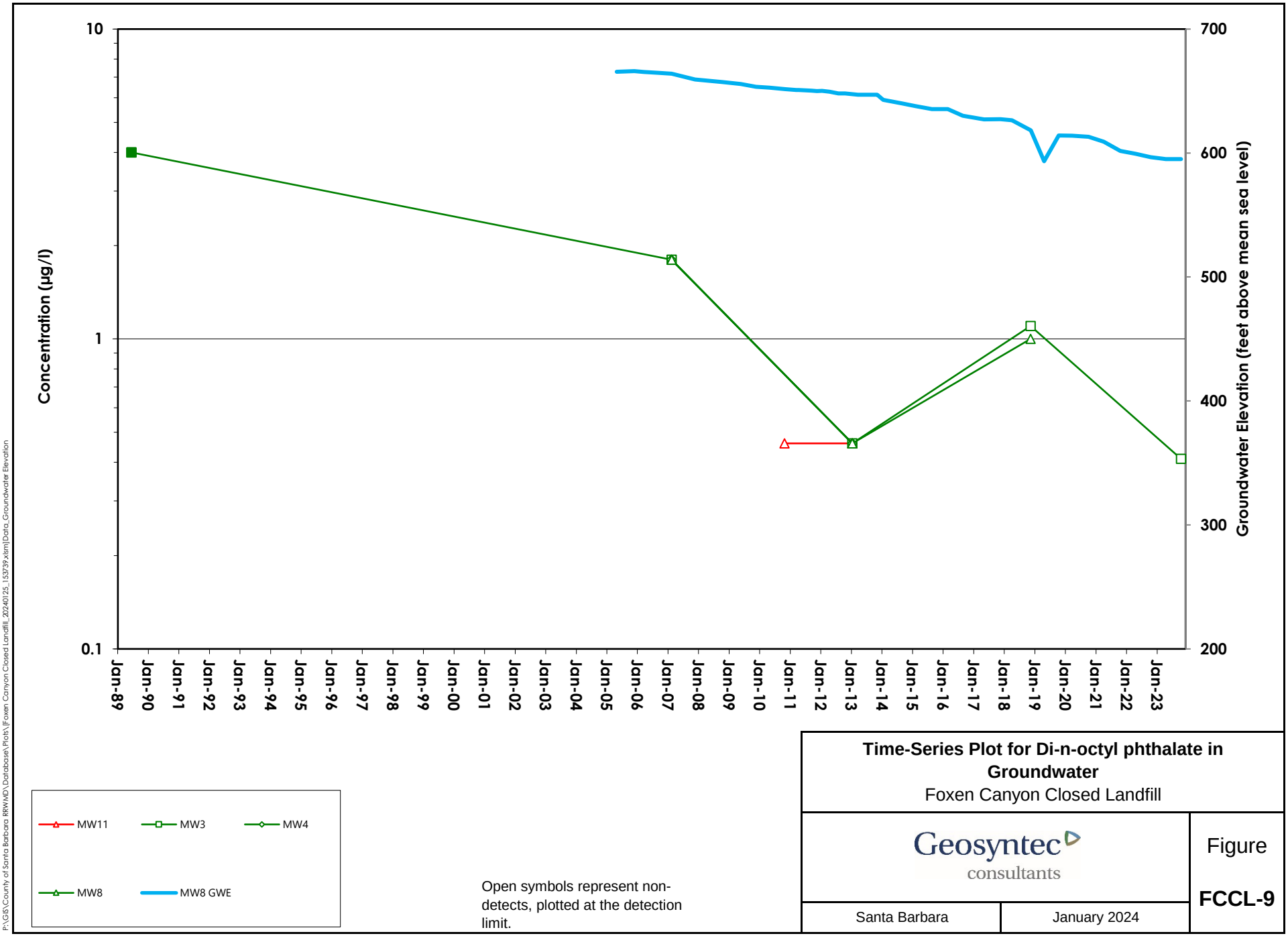
Time-Series Plot for Diethyl phthalate in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Santa Barbara | January 2024

Figure
FCCL-8

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Di-n-octyl phthalate in Groundwater

Foxen Canyon Closed Landfill

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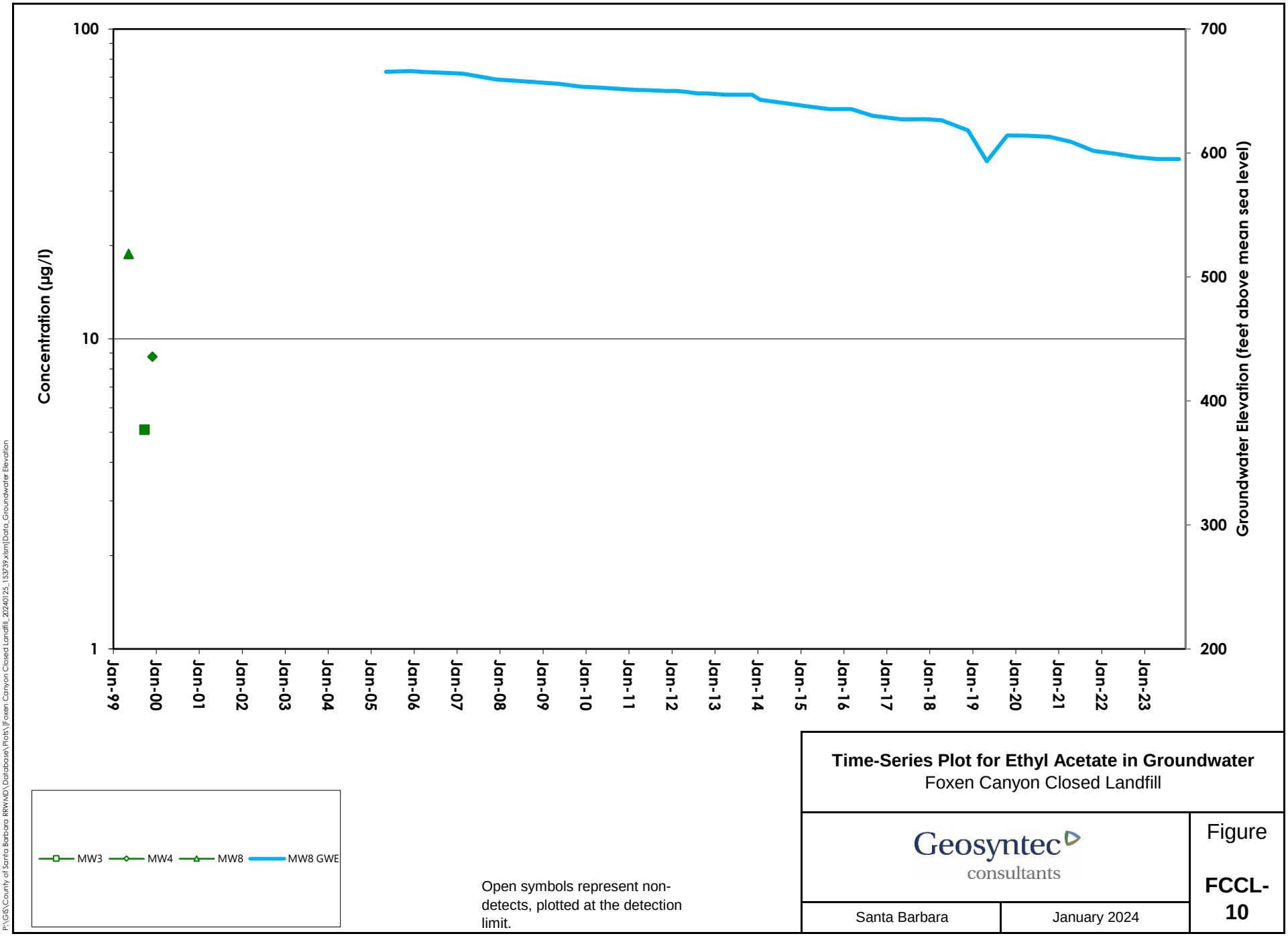
Santa Barbara | January 2024

Figure

FCCL-9

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

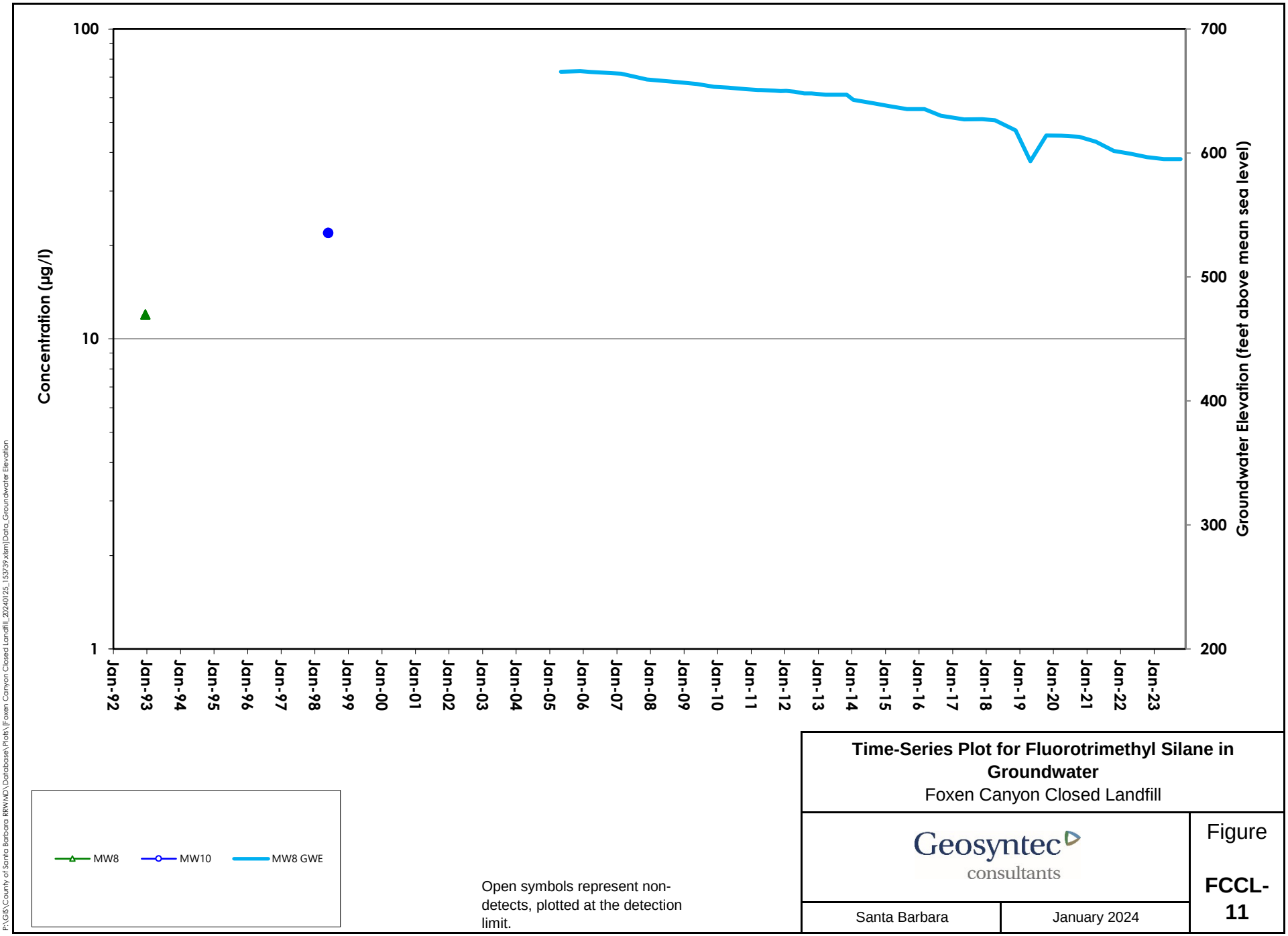
Time-Series Plot for Ethyl Acetate in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Santa Barbara | January 2024

Figure **FCCL-10**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

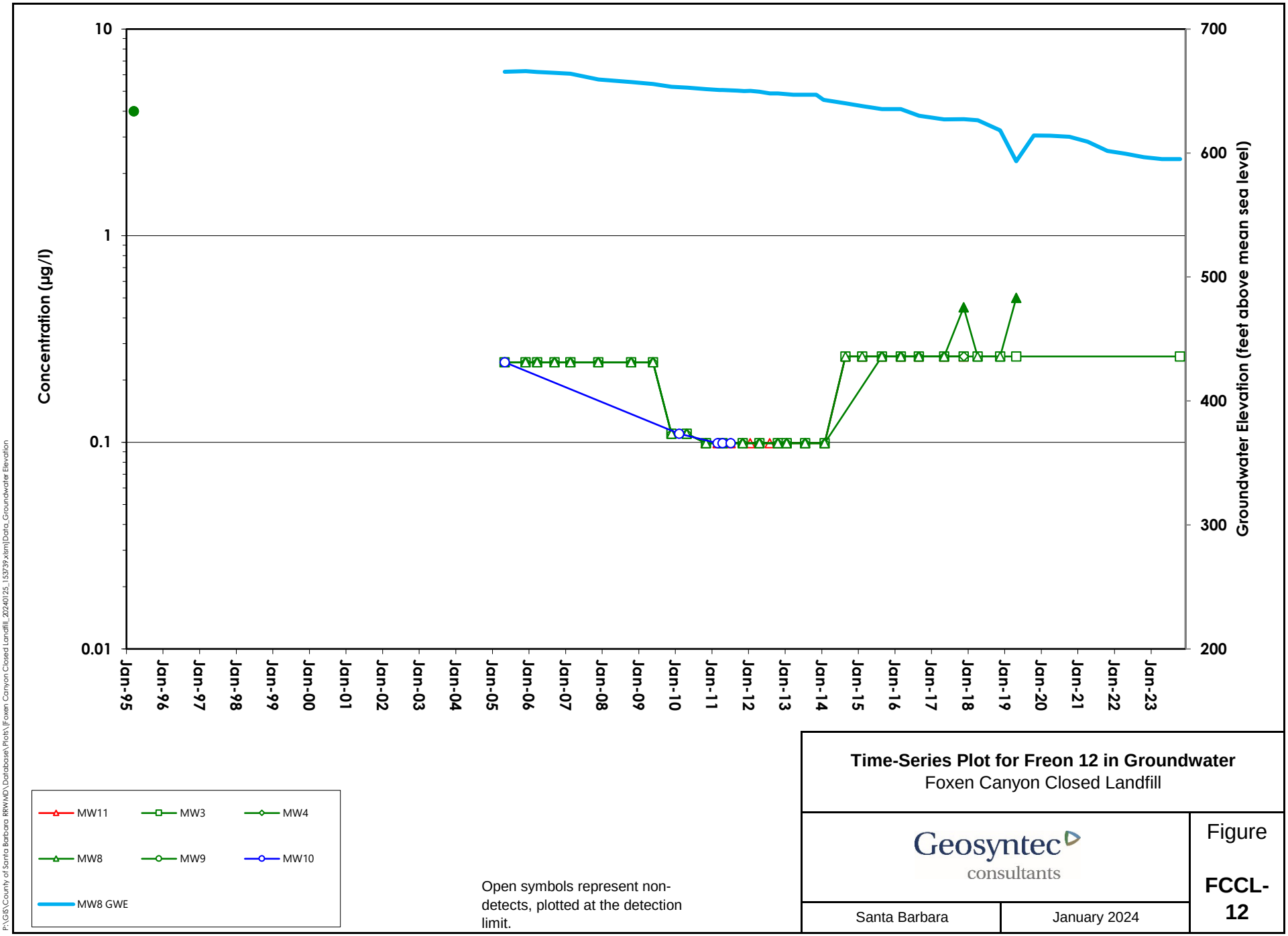
Time-Series Plot for Fluorotrimethyl Silane in Groundwater
Foxen Canyon Closed Landfill

Geosyntec consultants

Santa Barbara | January 2024

Figure **FCCL-11**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Freon 12 in Groundwater
Foxen Canyon Closed Landfill

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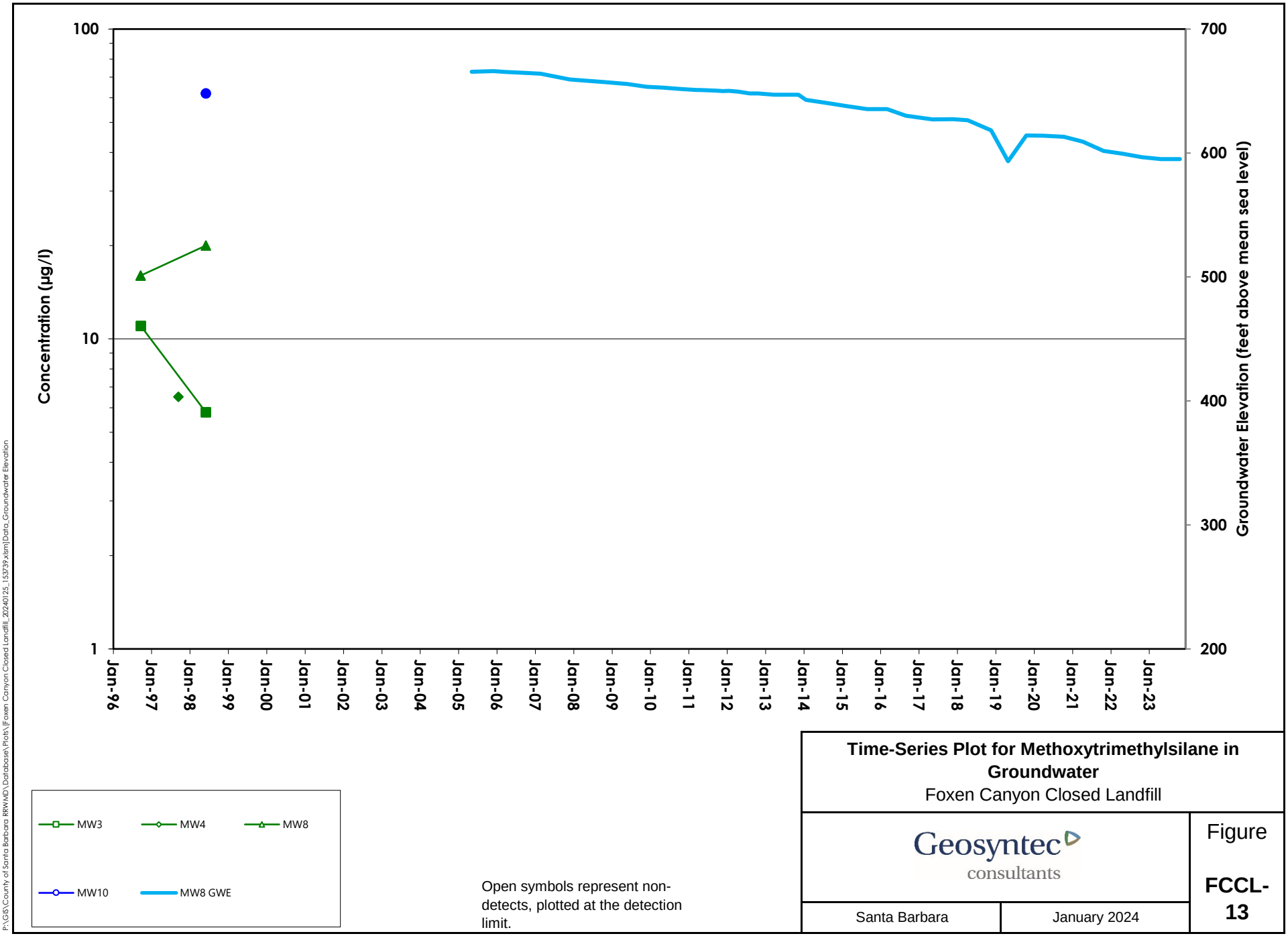
Figure **FCCL-12**



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Methoxytrimethylsilane in Groundwater

Foxen Canyon Closed Landfill

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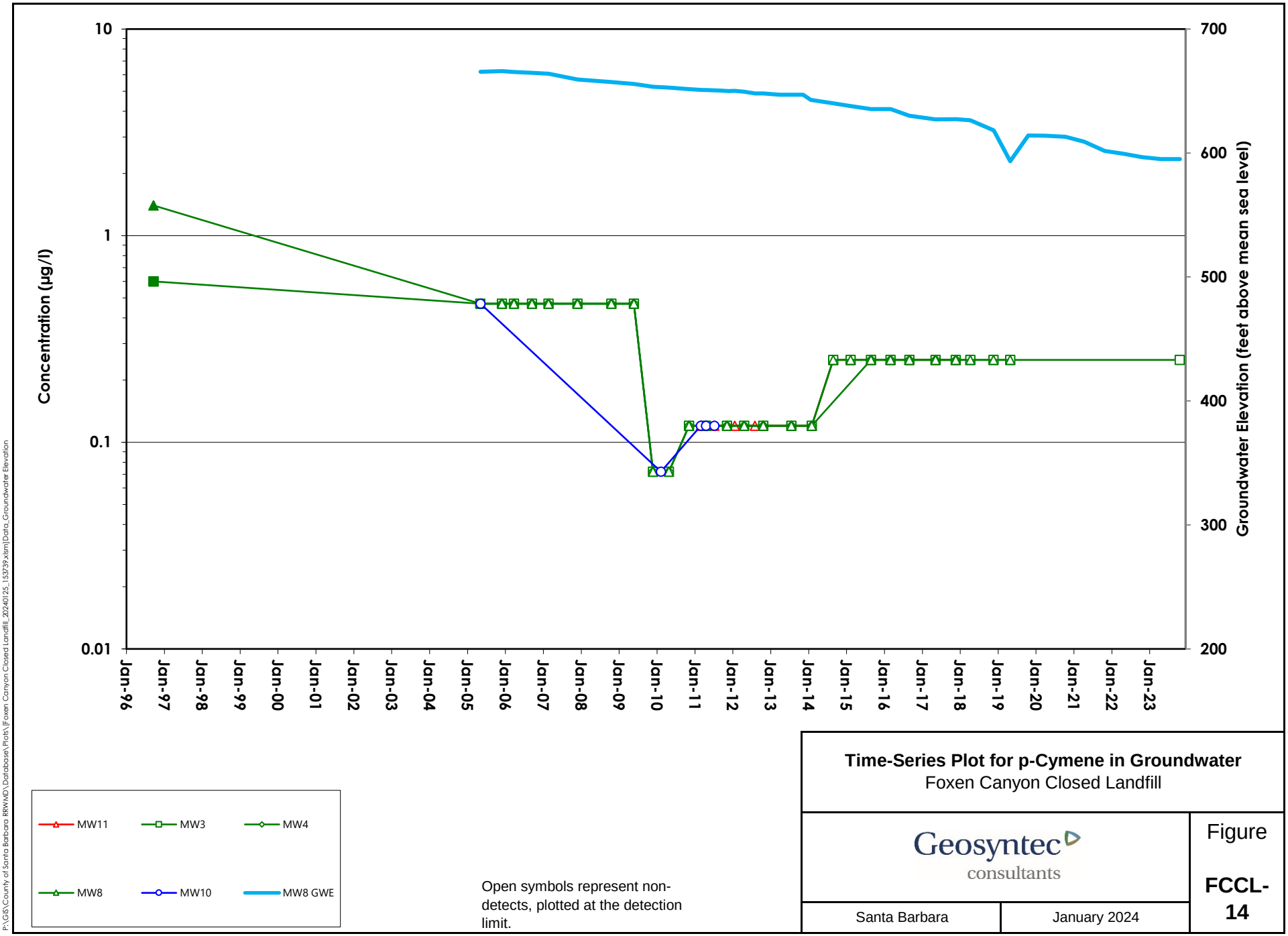
Figure **FCCL-13**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for p-Cymene in Groundwater
Foxen Canyon Closed Landfill

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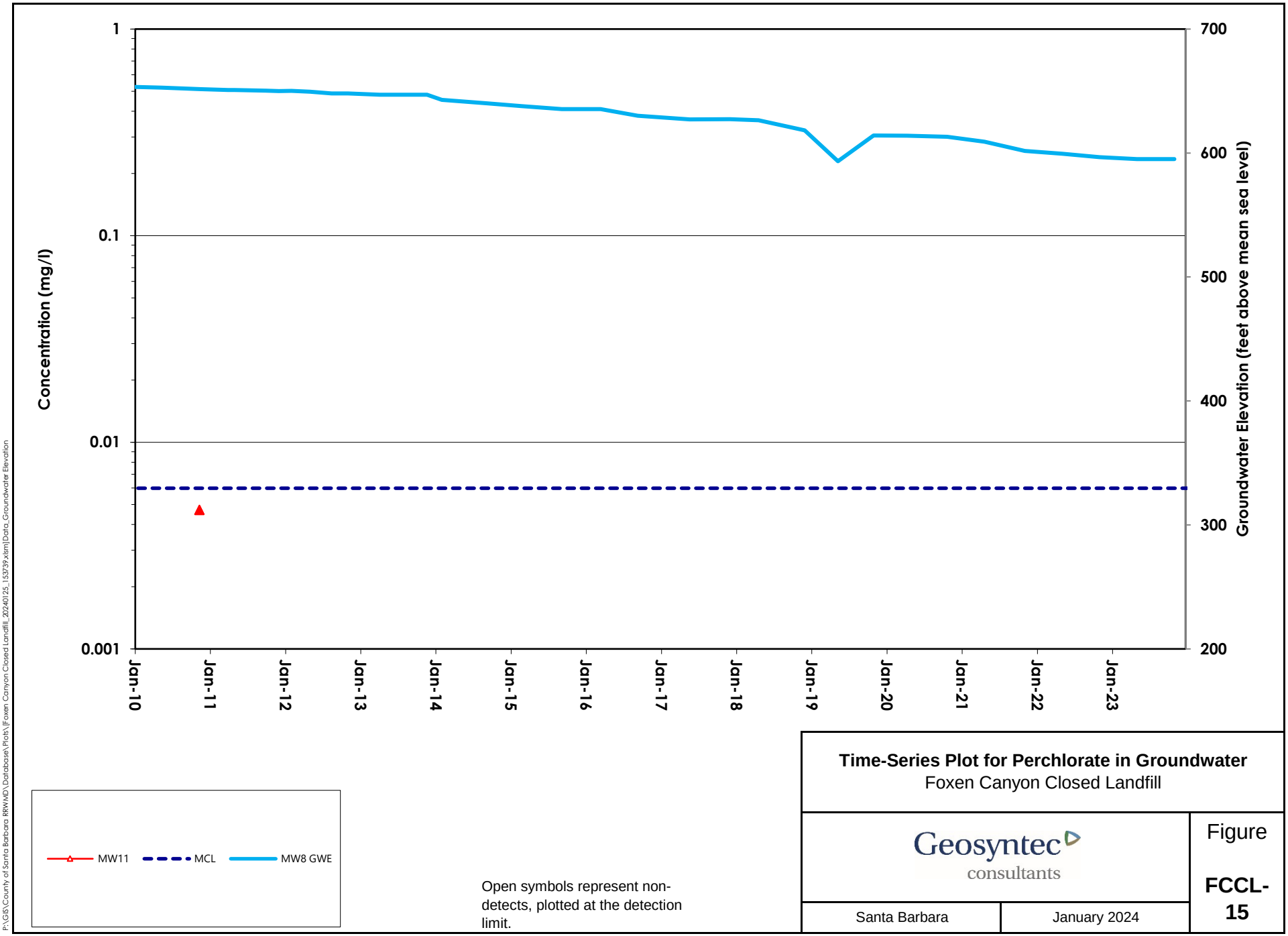
Figure **FCCL-14**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Perchlorate in Groundwater
Foxen Canyon Closed Landfill

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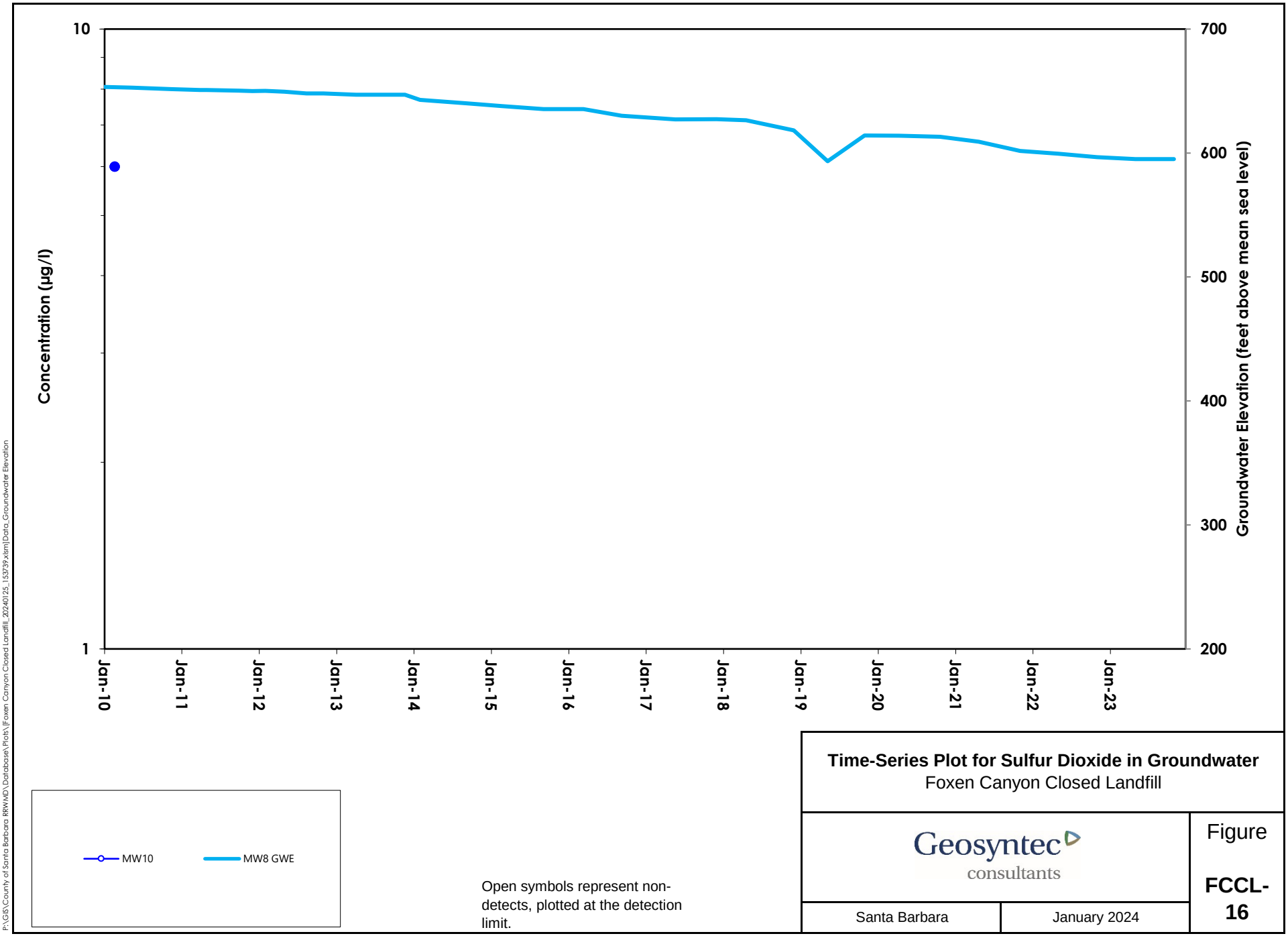
Figure **FCCL-15**



Time-Series Plot for Sulfur Dioxide in Groundwater
Foxen Canyon Closed Landfill

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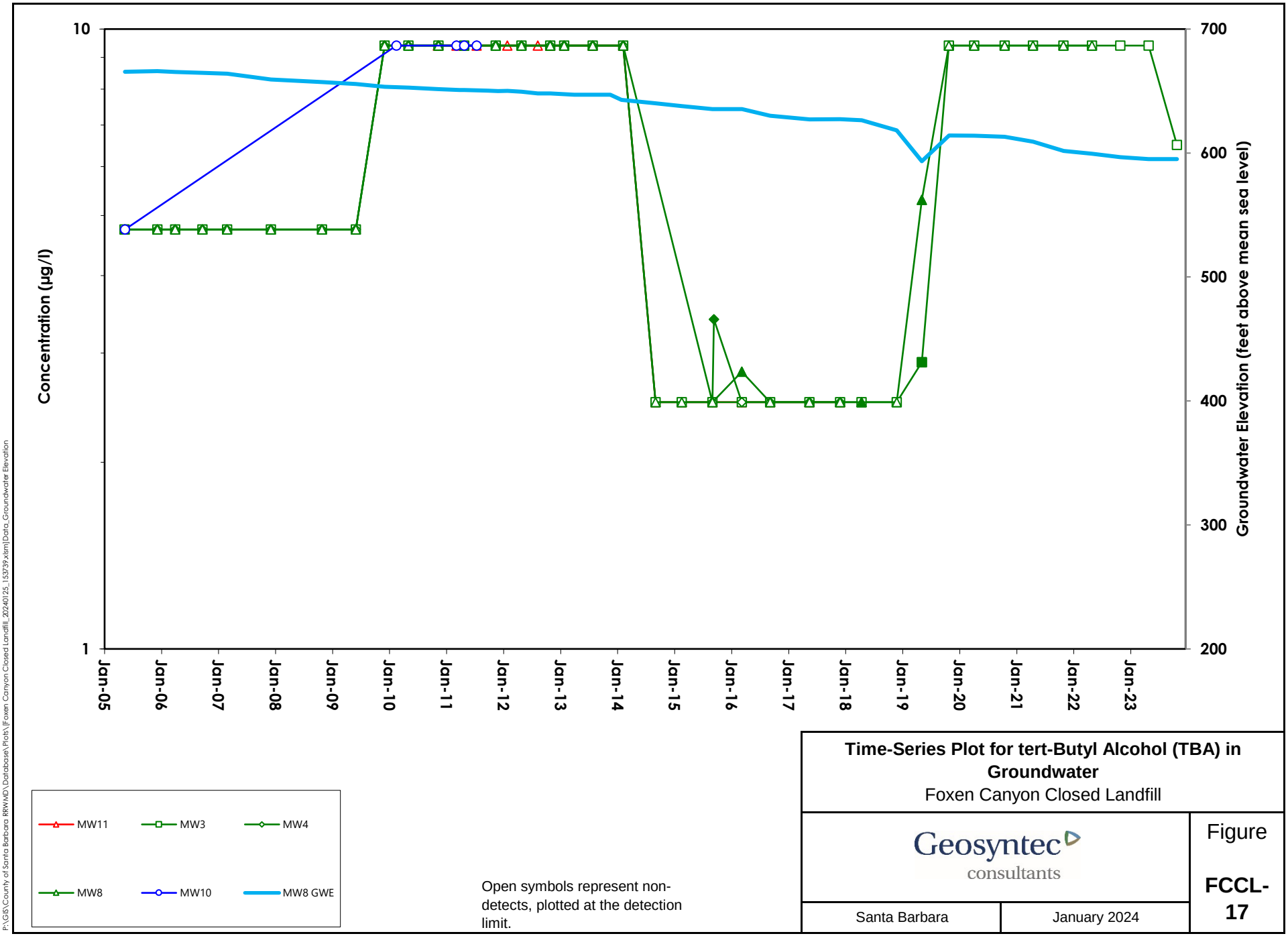
Figure **FCCL-16**



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for tert-Butyl Alcohol (TBA) in Groundwater
Foxen Canyon Closed Landfill

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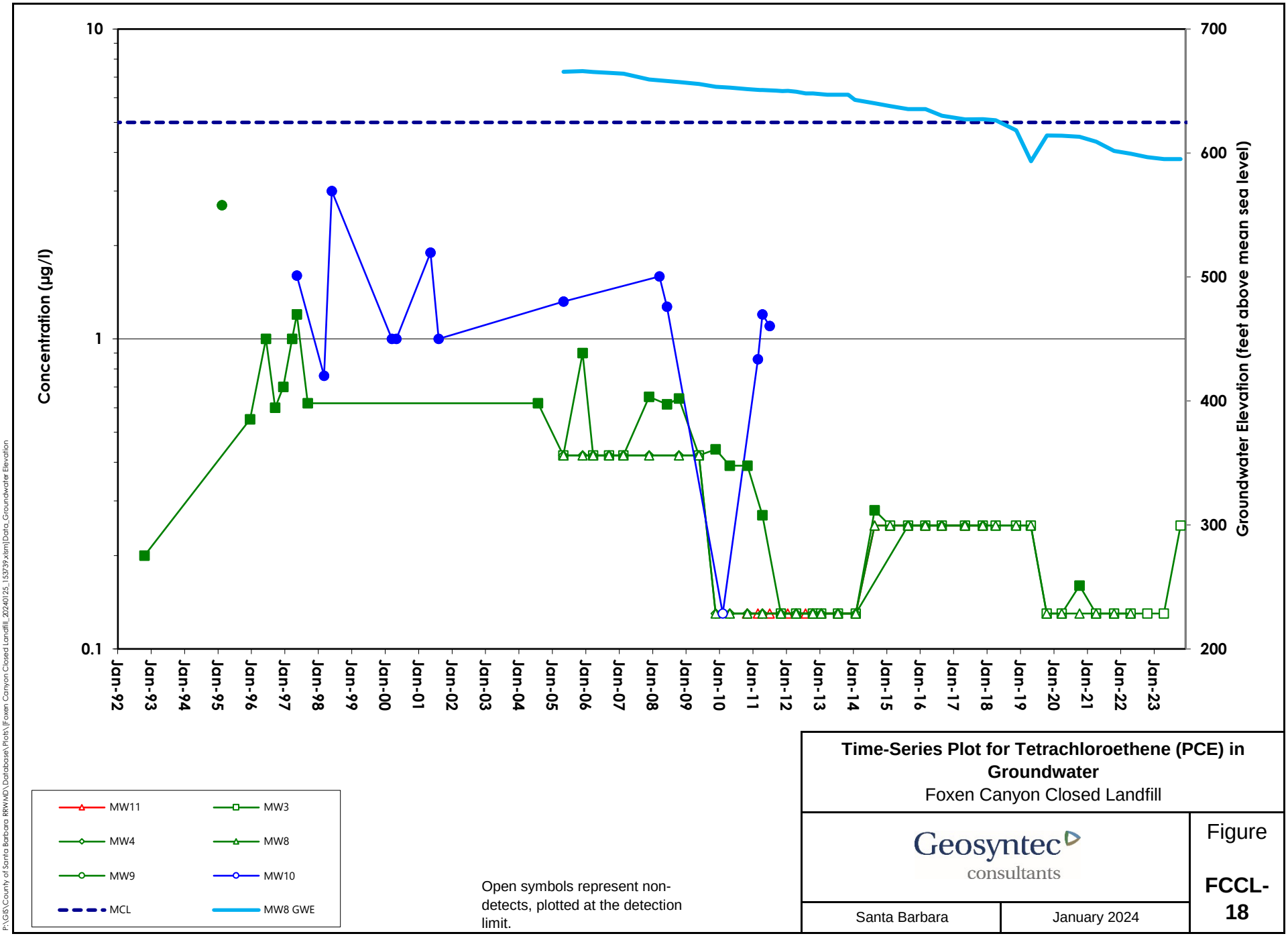
Figure **FCCL-17**



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Tetrachloroethene (PCE) in Groundwater
Foxen Canyon Closed Landfill

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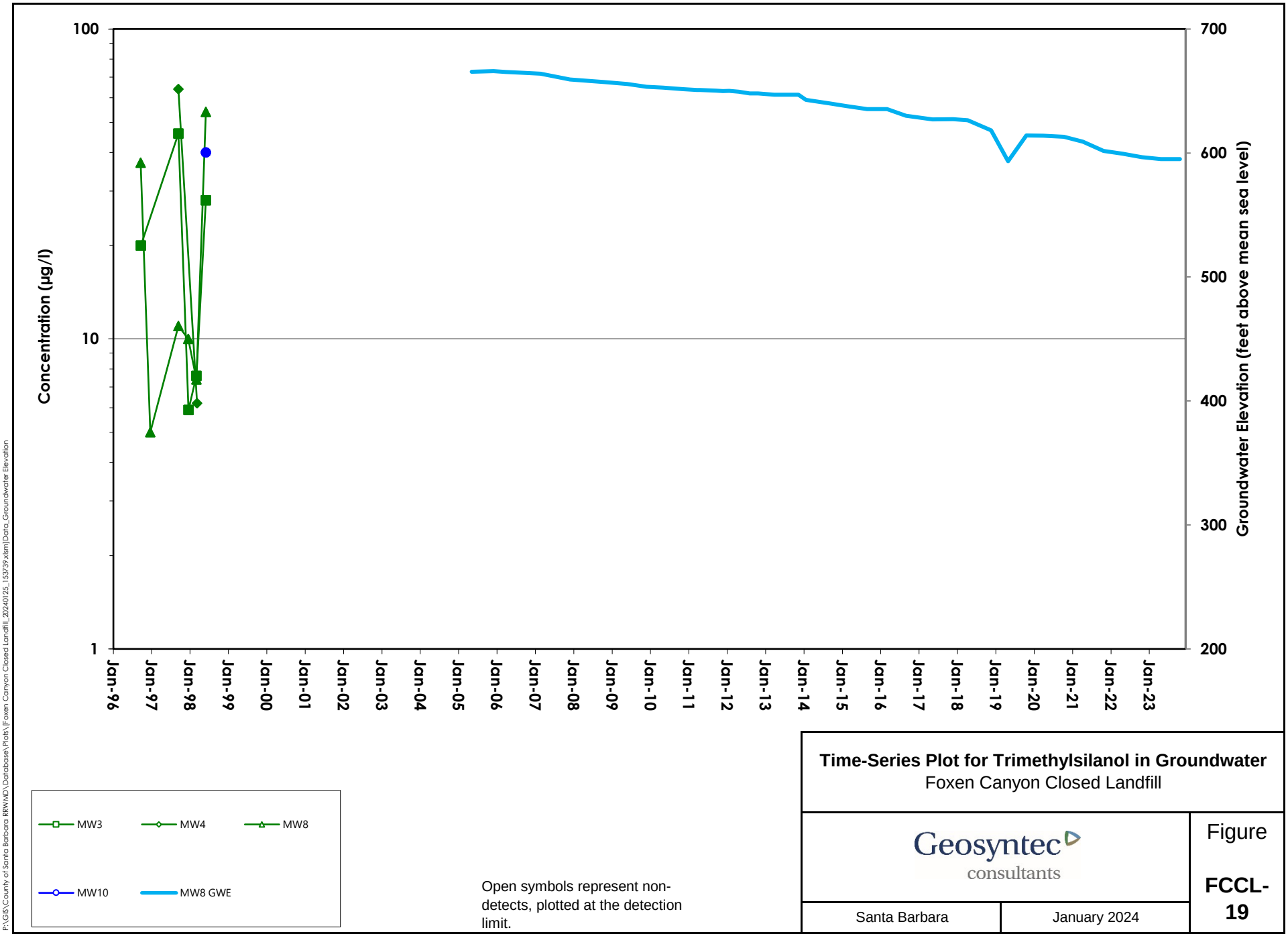
Figure **FCCL-18**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Trimethylsilanol in Groundwater
Foxen Canyon Closed Landfill

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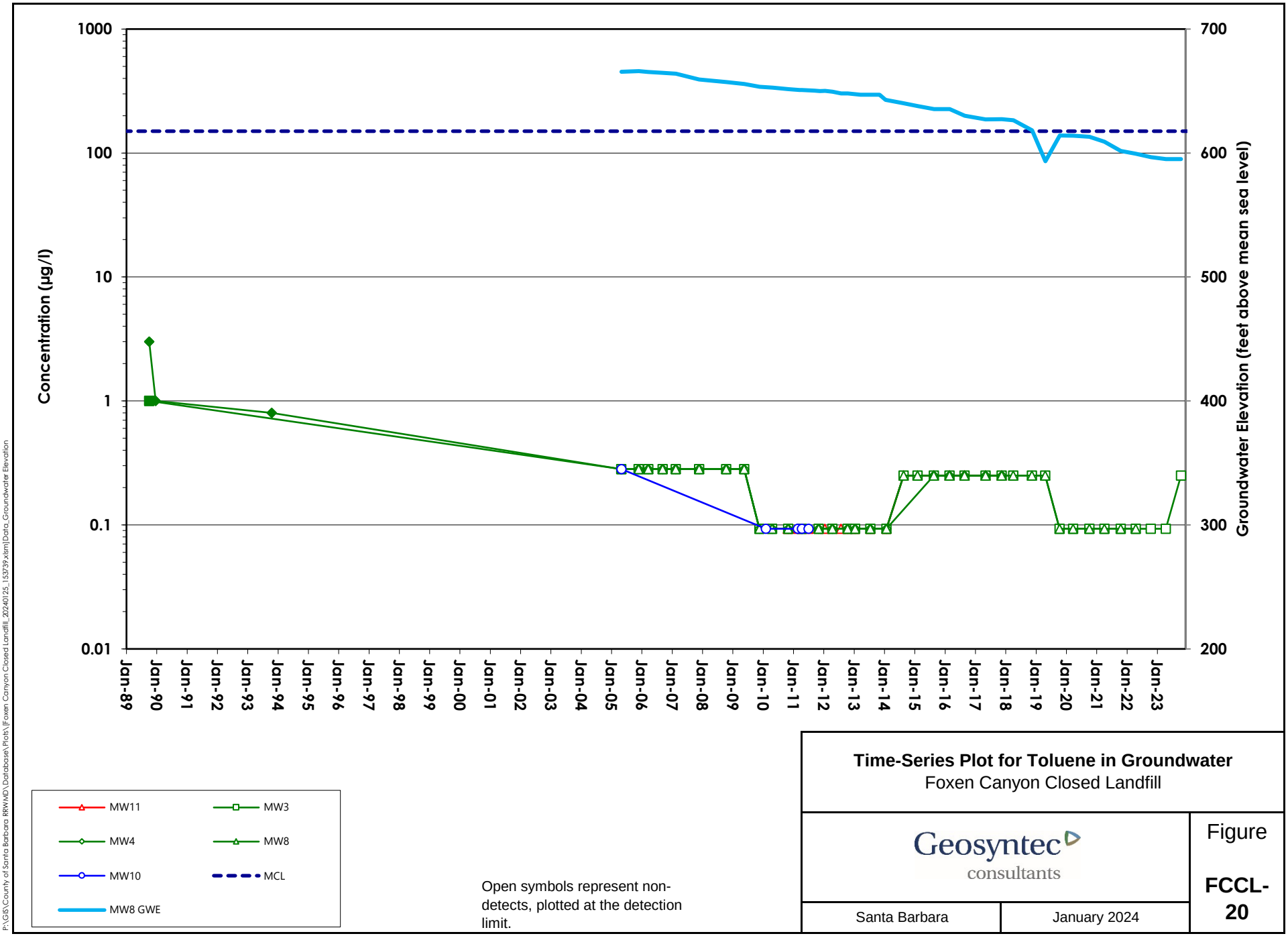
Figure **FCCL-19**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Toluene in Groundwater
Foxen Canyon Closed Landfill

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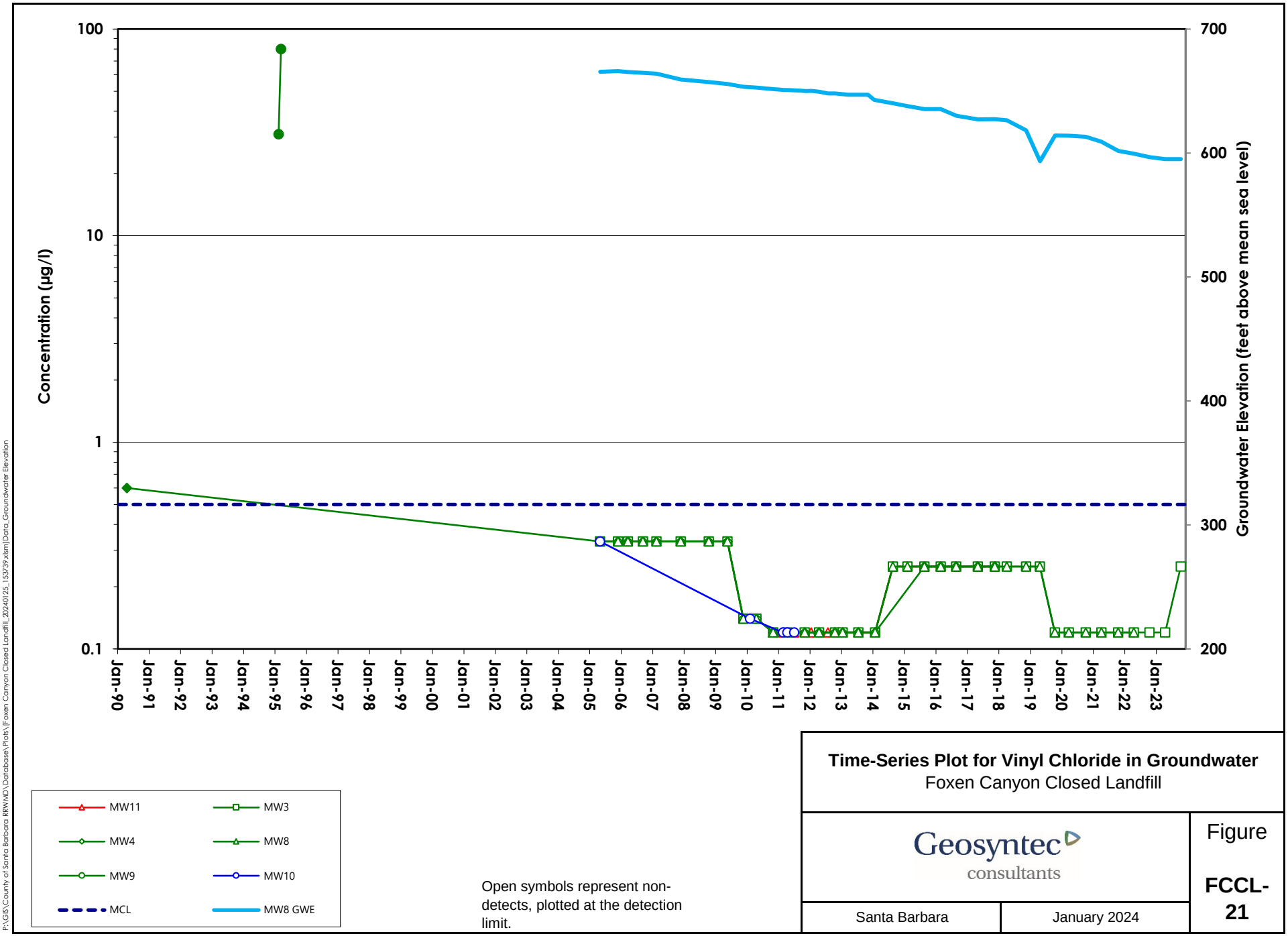
Figure
FCCL-20



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Vinyl Chloride in Groundwater
Foxen Canyon Closed Landfill

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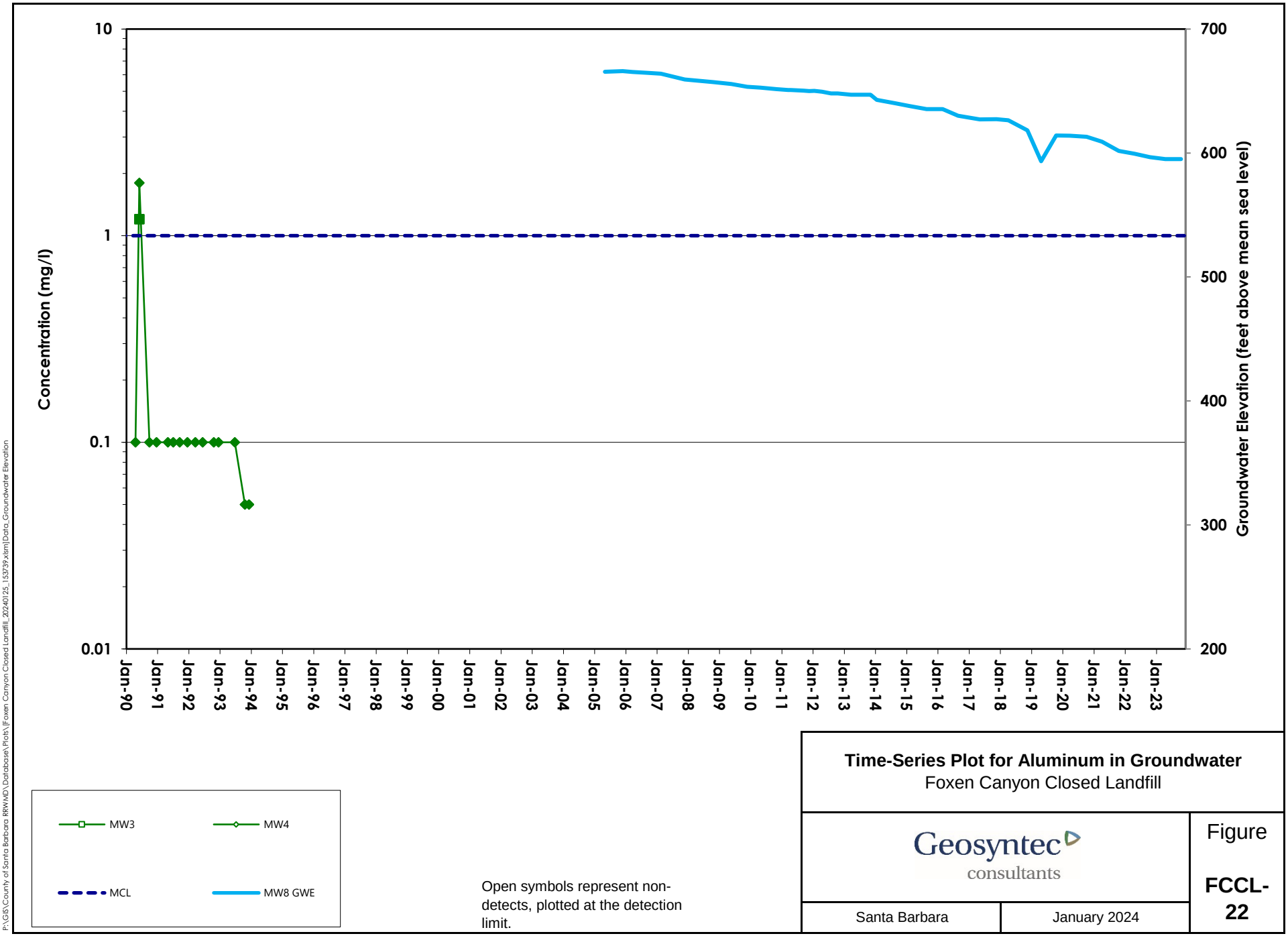
Figure **FCCL-21**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Aluminum in Groundwater
Foxen Canyon Closed Landfill

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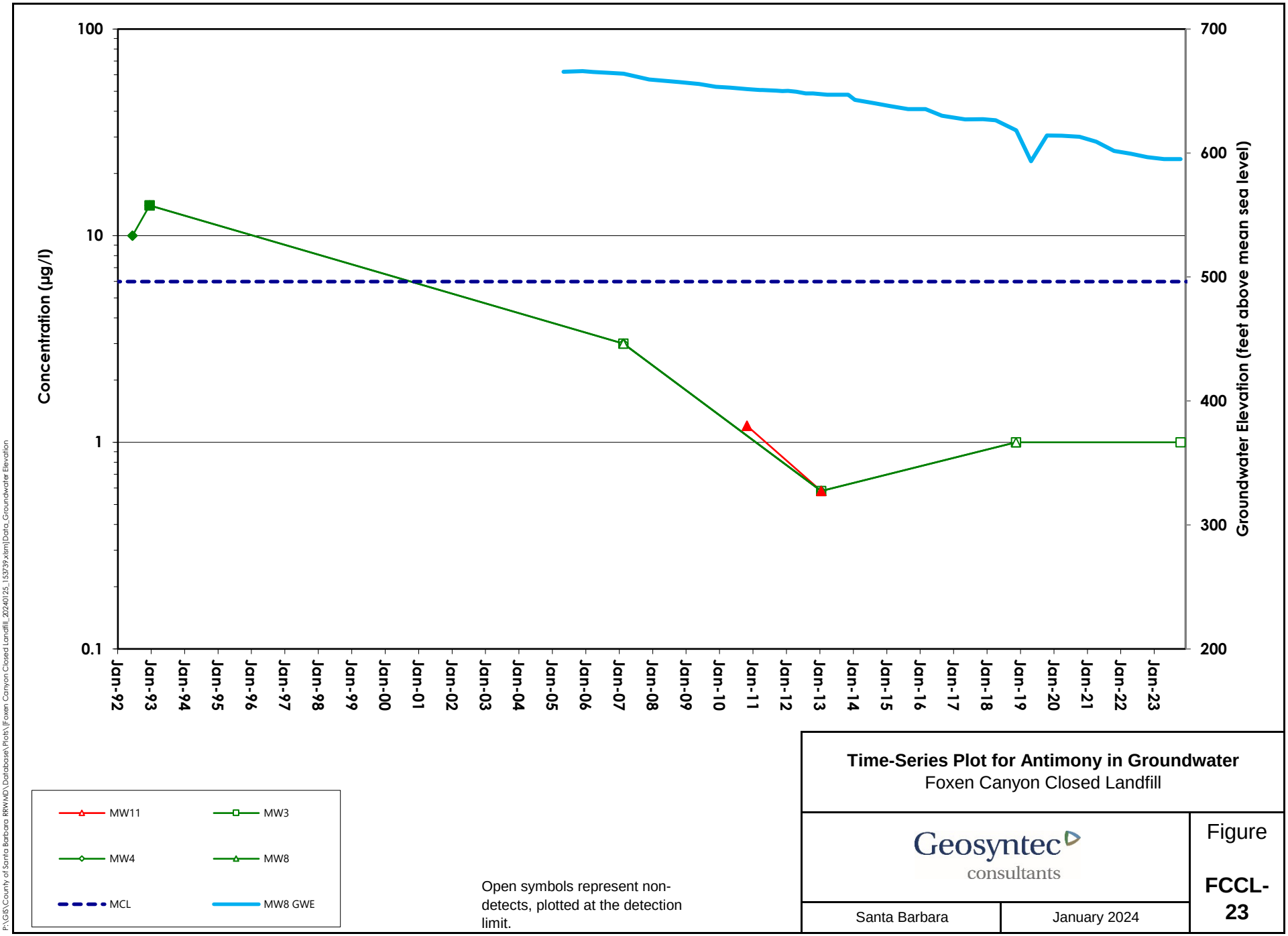
Figure **FCCL-22**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Antimony in Groundwater
Foxen Canyon Closed Landfill

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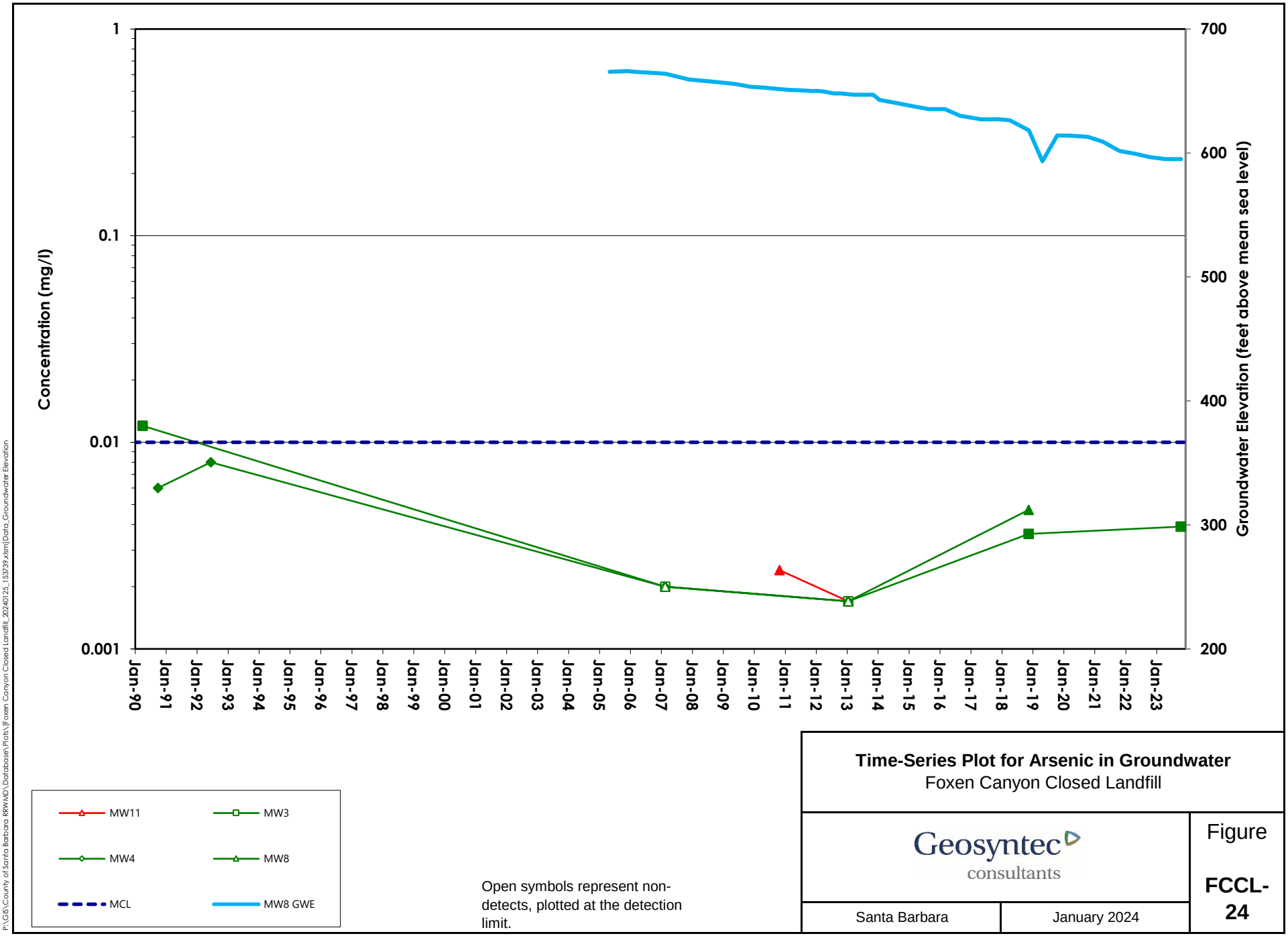
Figure **FCCL-23**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Arsenic in Groundwater
Foxen Canyon Closed Landfill

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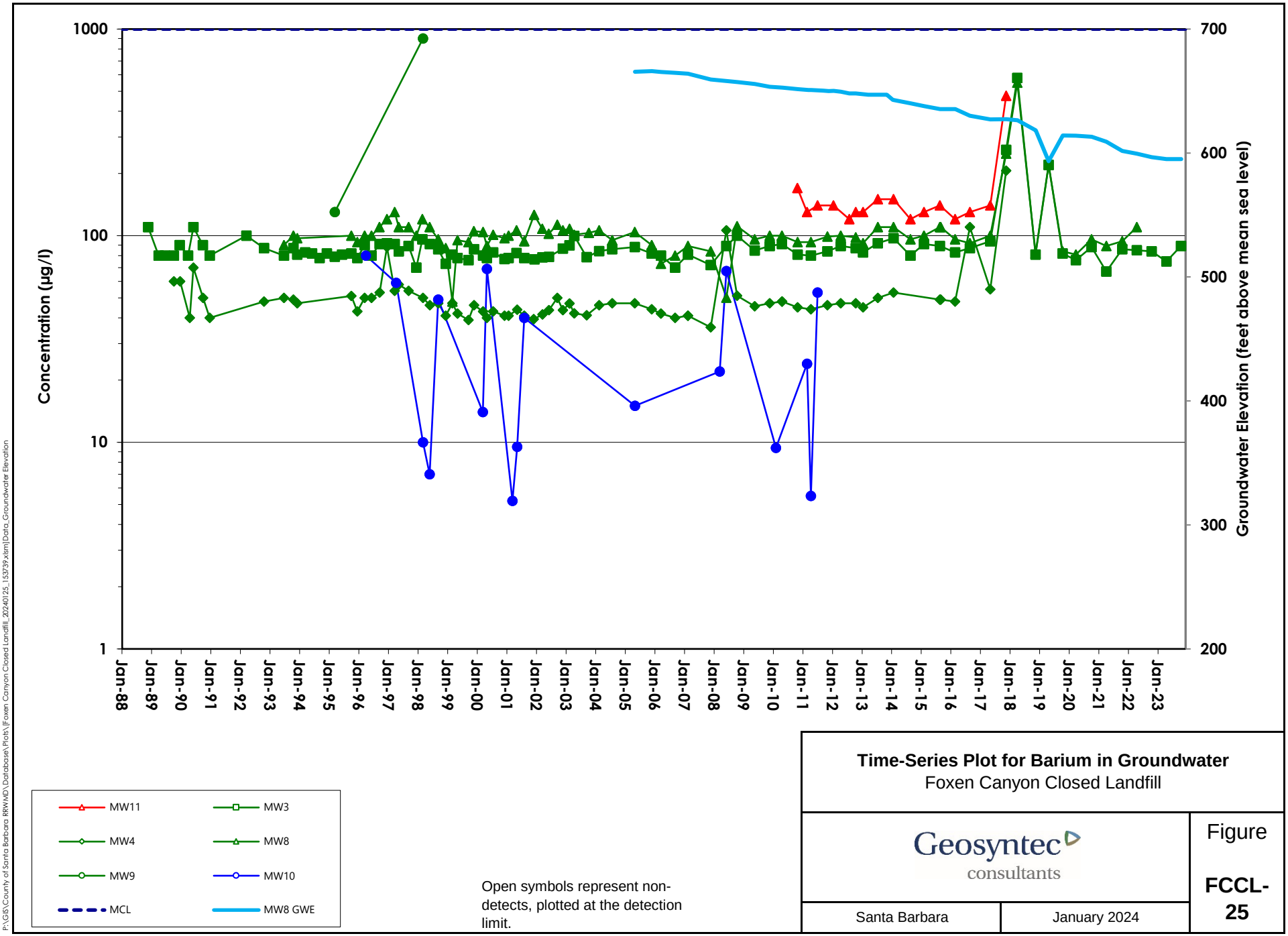
Figure **FCCL-24**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Barium in Groundwater
Foxen Canyon Closed Landfill

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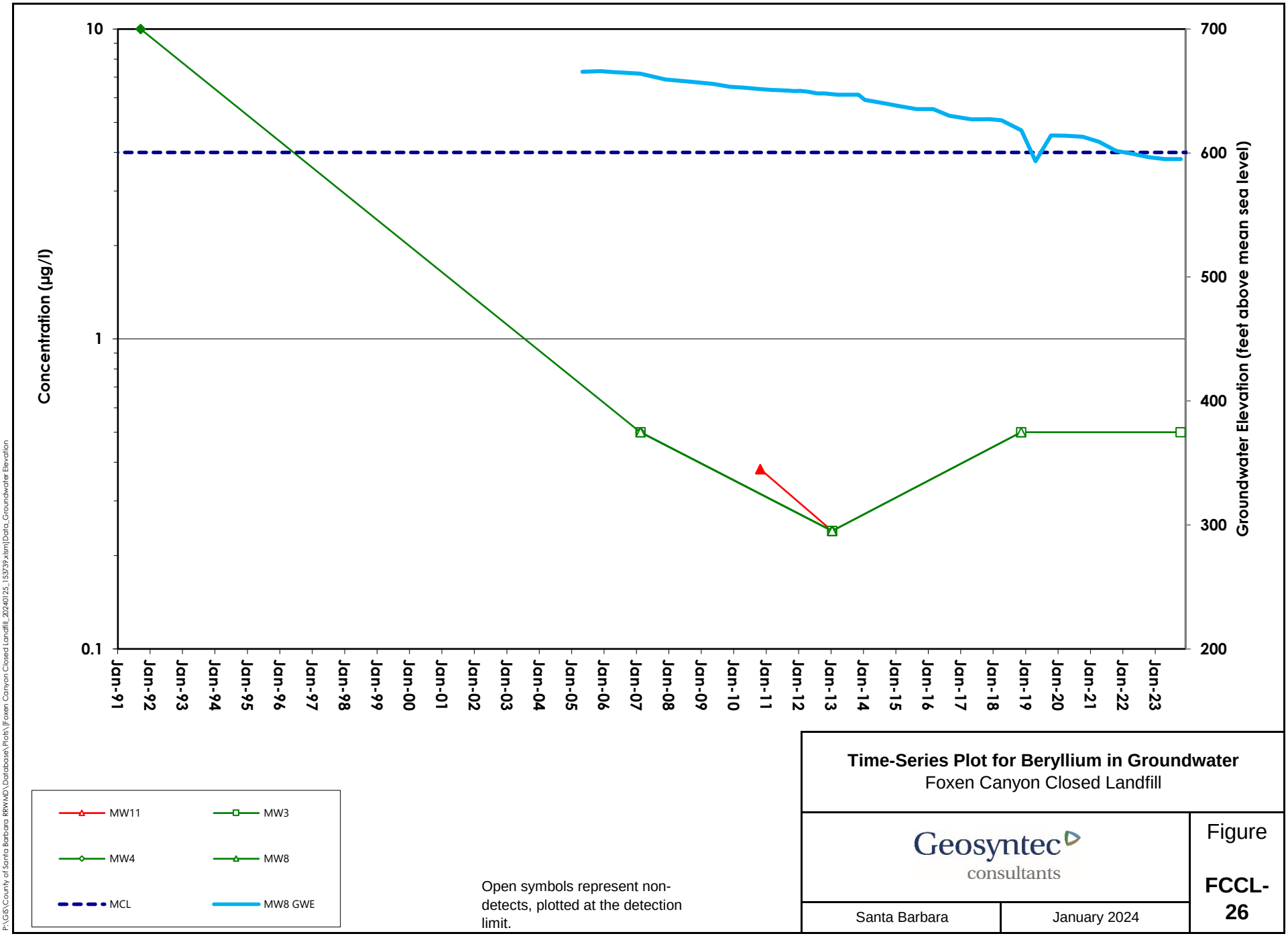
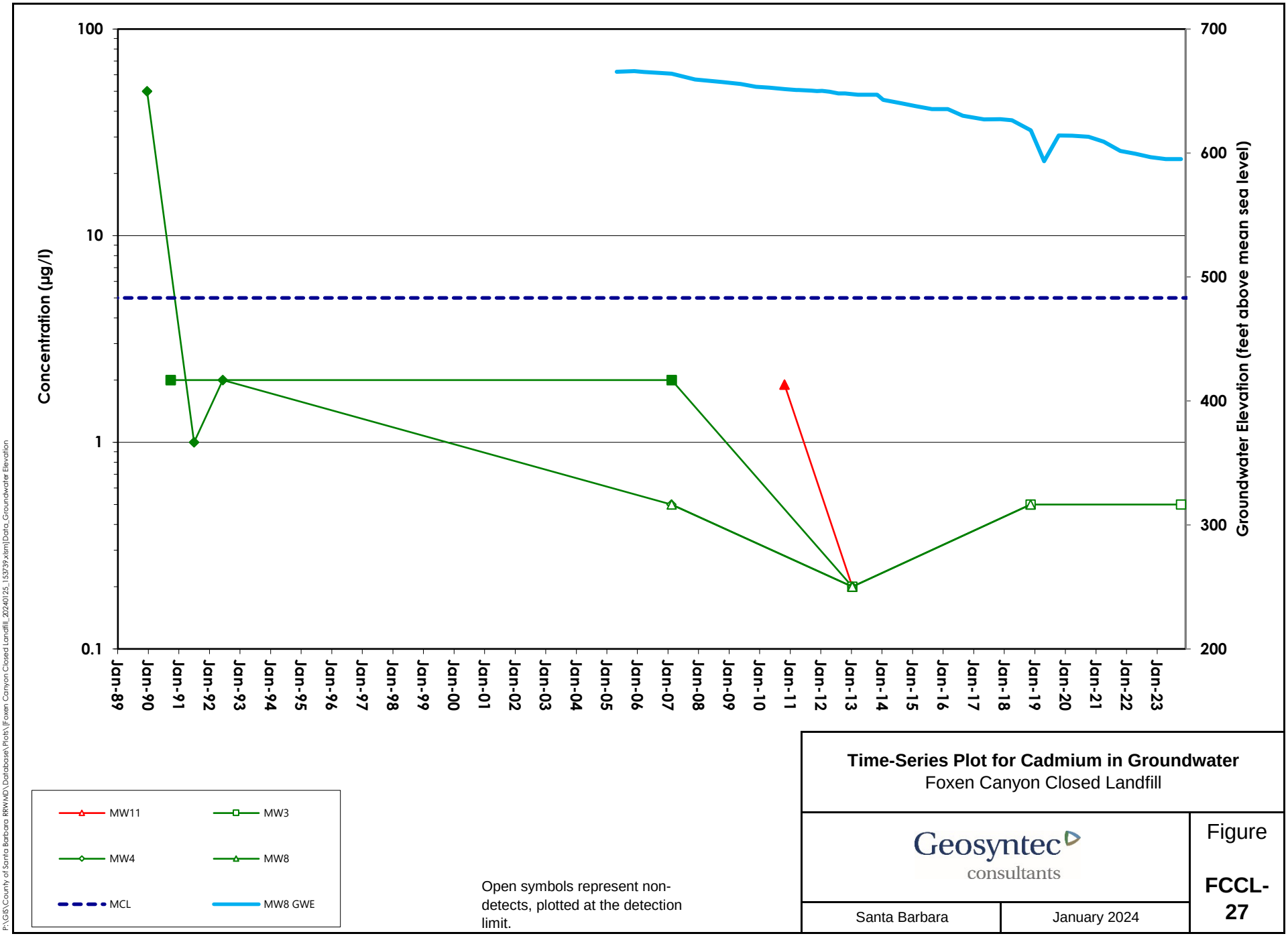
Figure **FCCL-25**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation





Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Cadmium in Groundwater
Foxen Canyon Closed Landfill

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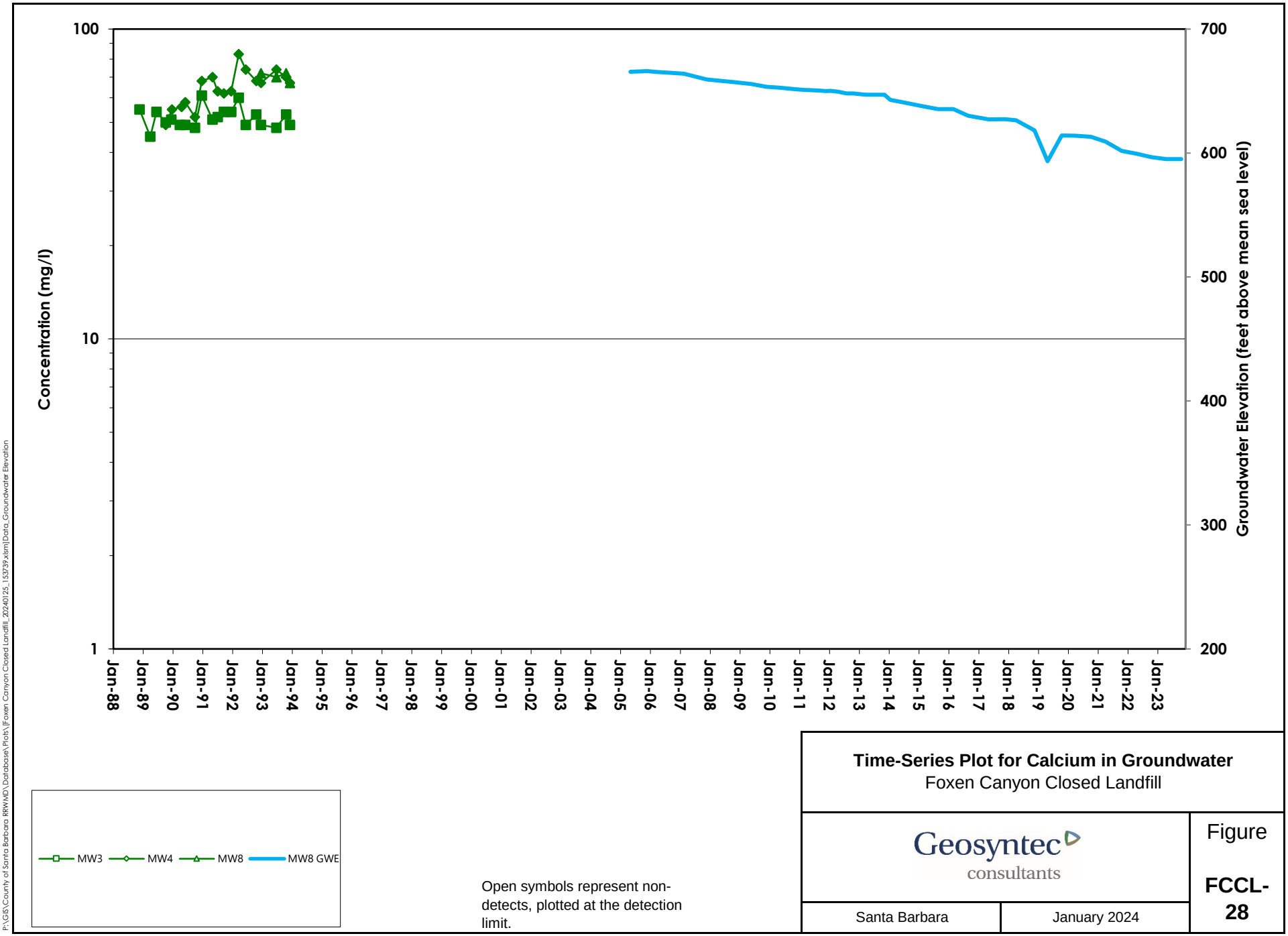
Figure **FCCL-27**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Calcium in Groundwater
Foxen Canyon Closed Landfill

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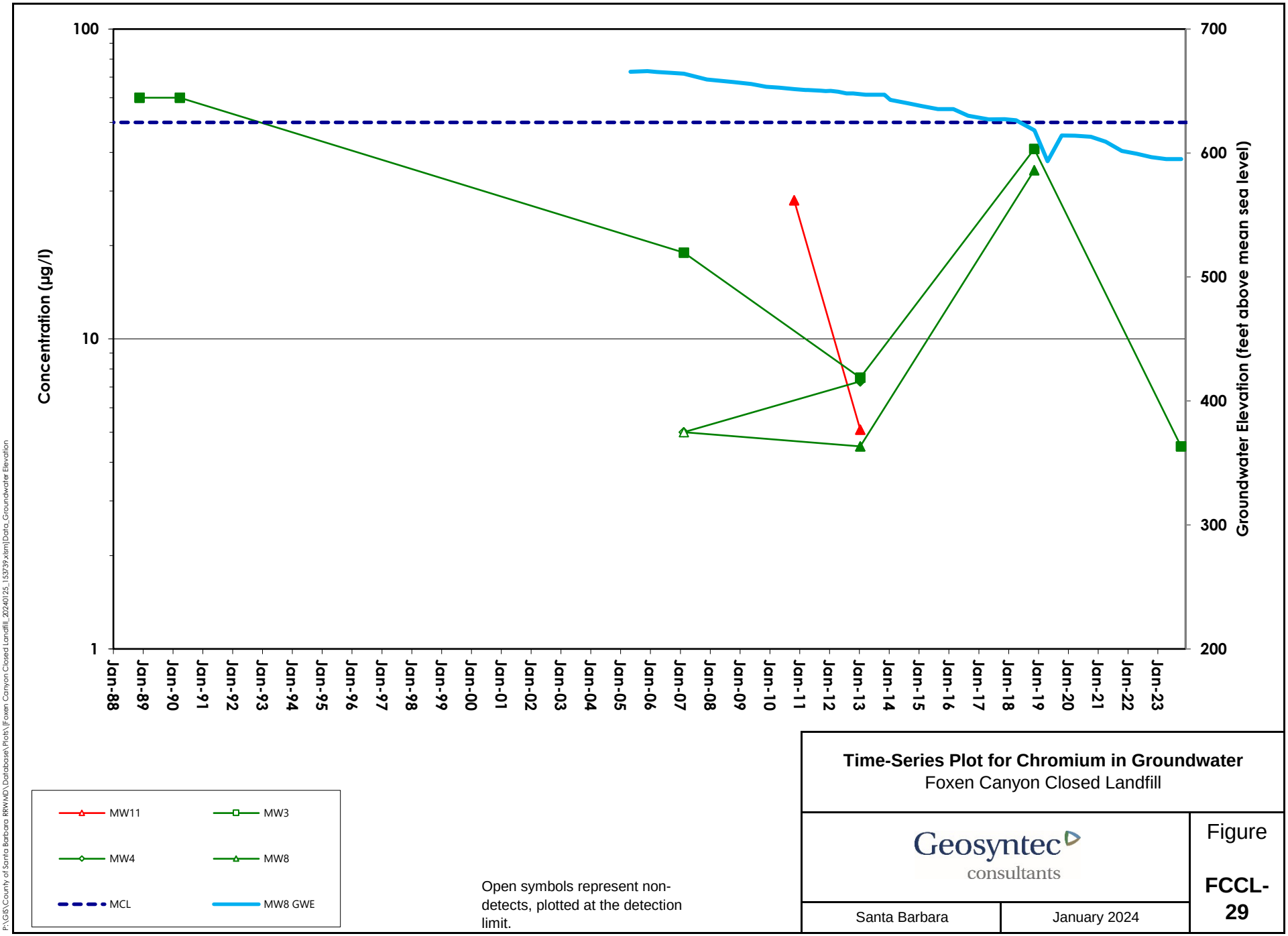
Figure **FCCL-28**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Chromium in Groundwater
Foxen Canyon Closed Landfill

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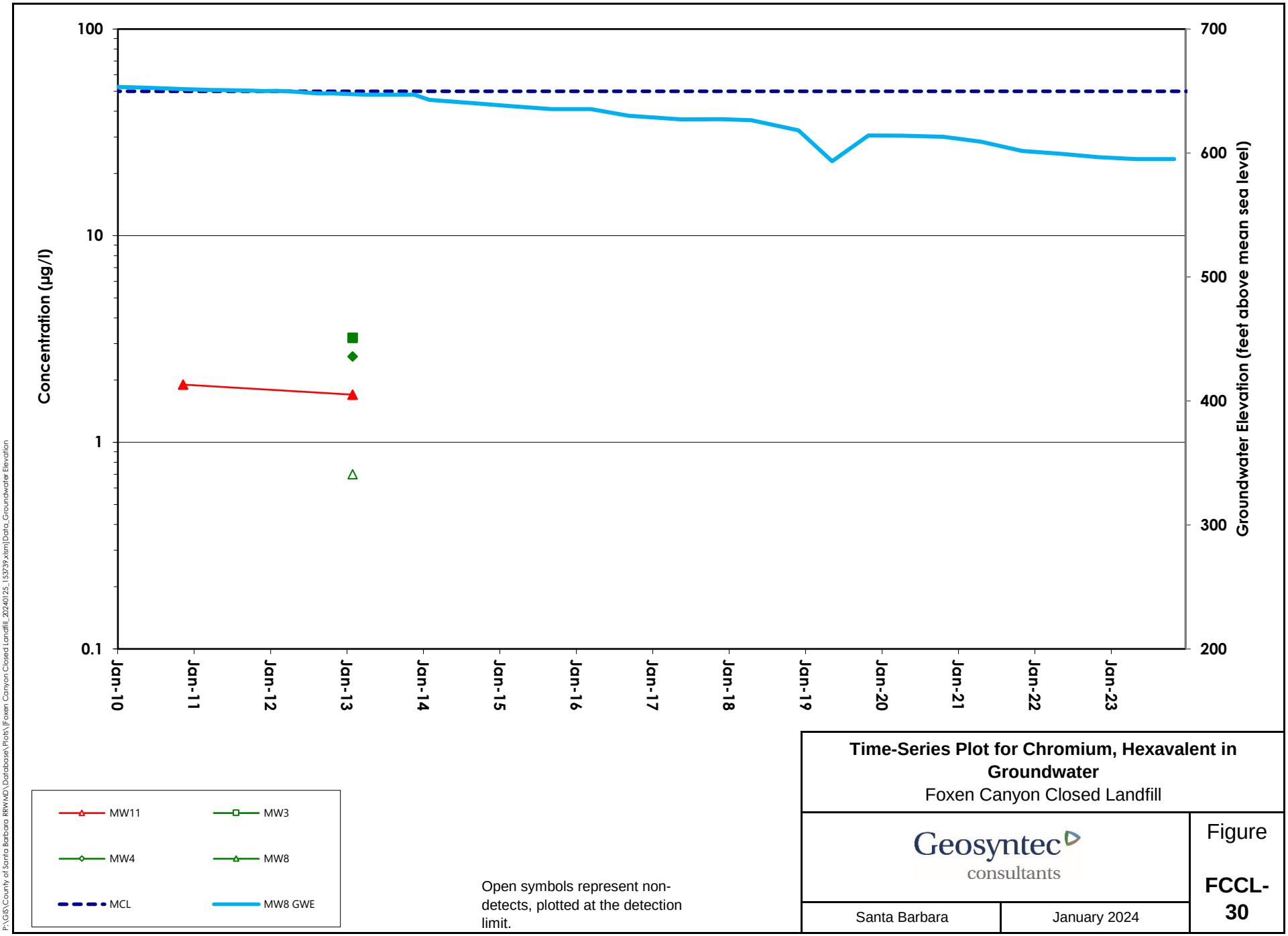
Figure **FCCL-29**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Chromium, Hexavalent in Groundwater

Foxen Canyon Closed Landfill

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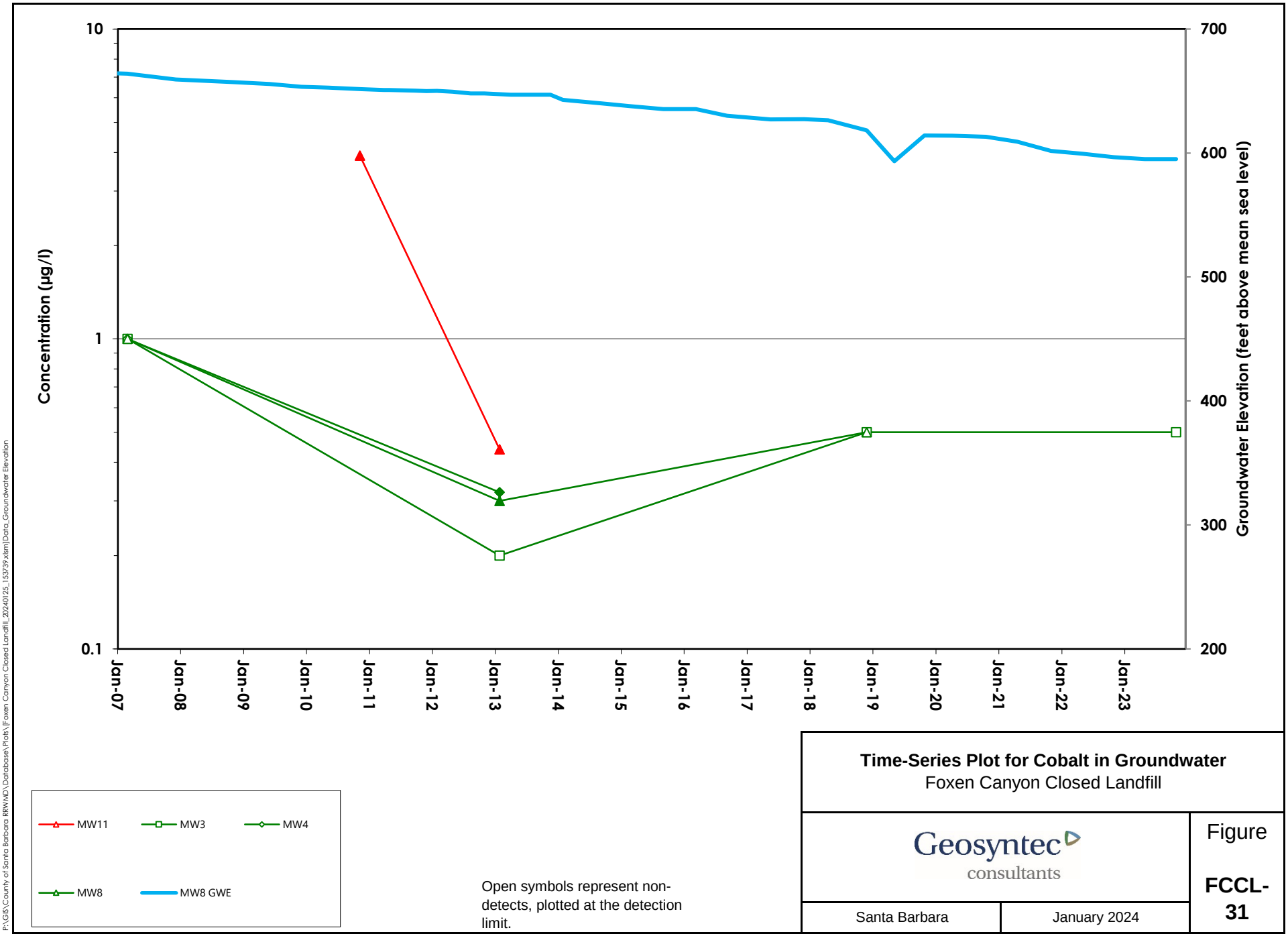
Figure **FCCL-30**



Time-Series Plot for Cobalt in Groundwater
Foxen Canyon Closed Landfill

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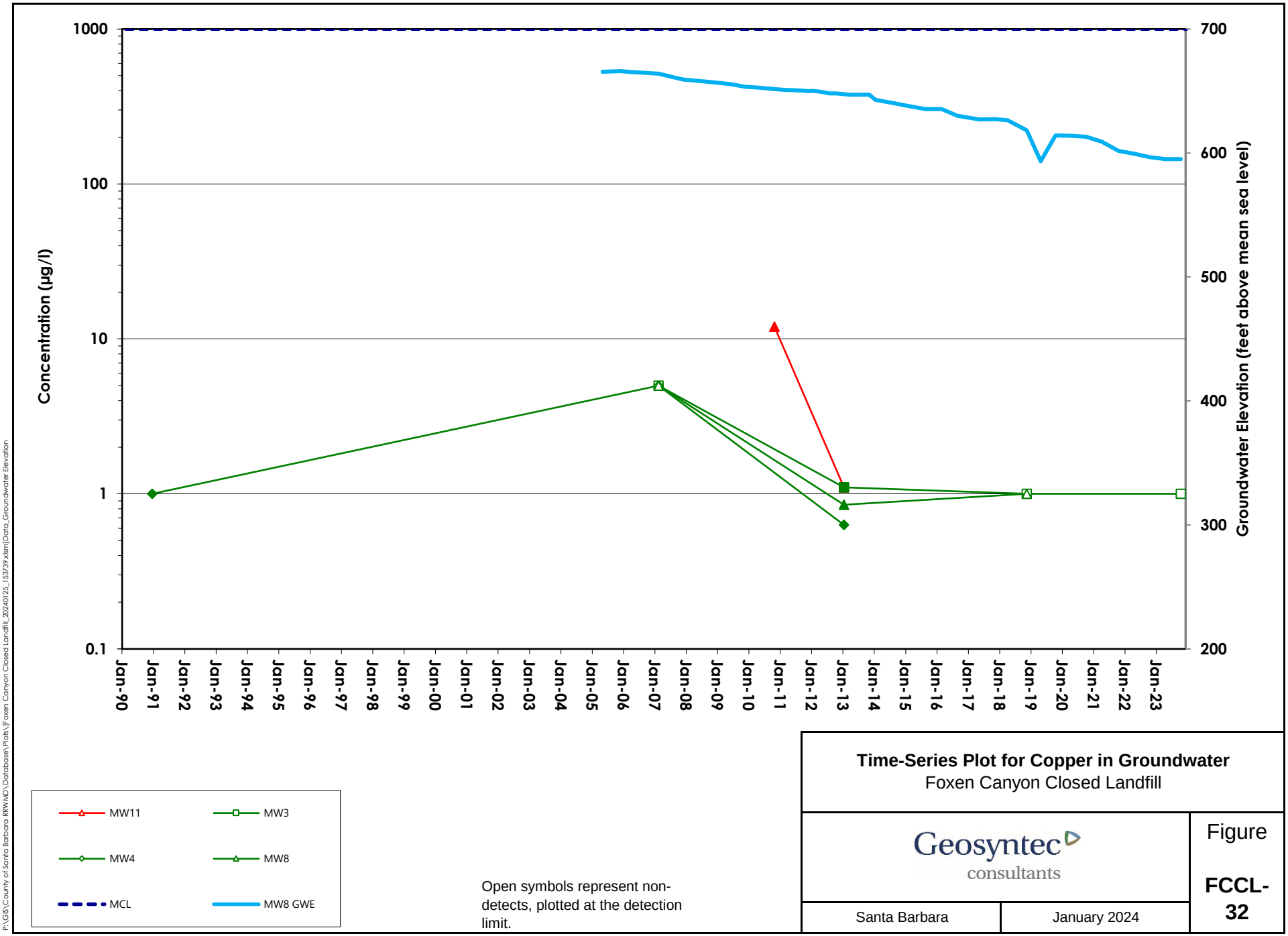
Figure
FCCL-31



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Copper in Groundwater
Foxen Canyon Closed Landfill

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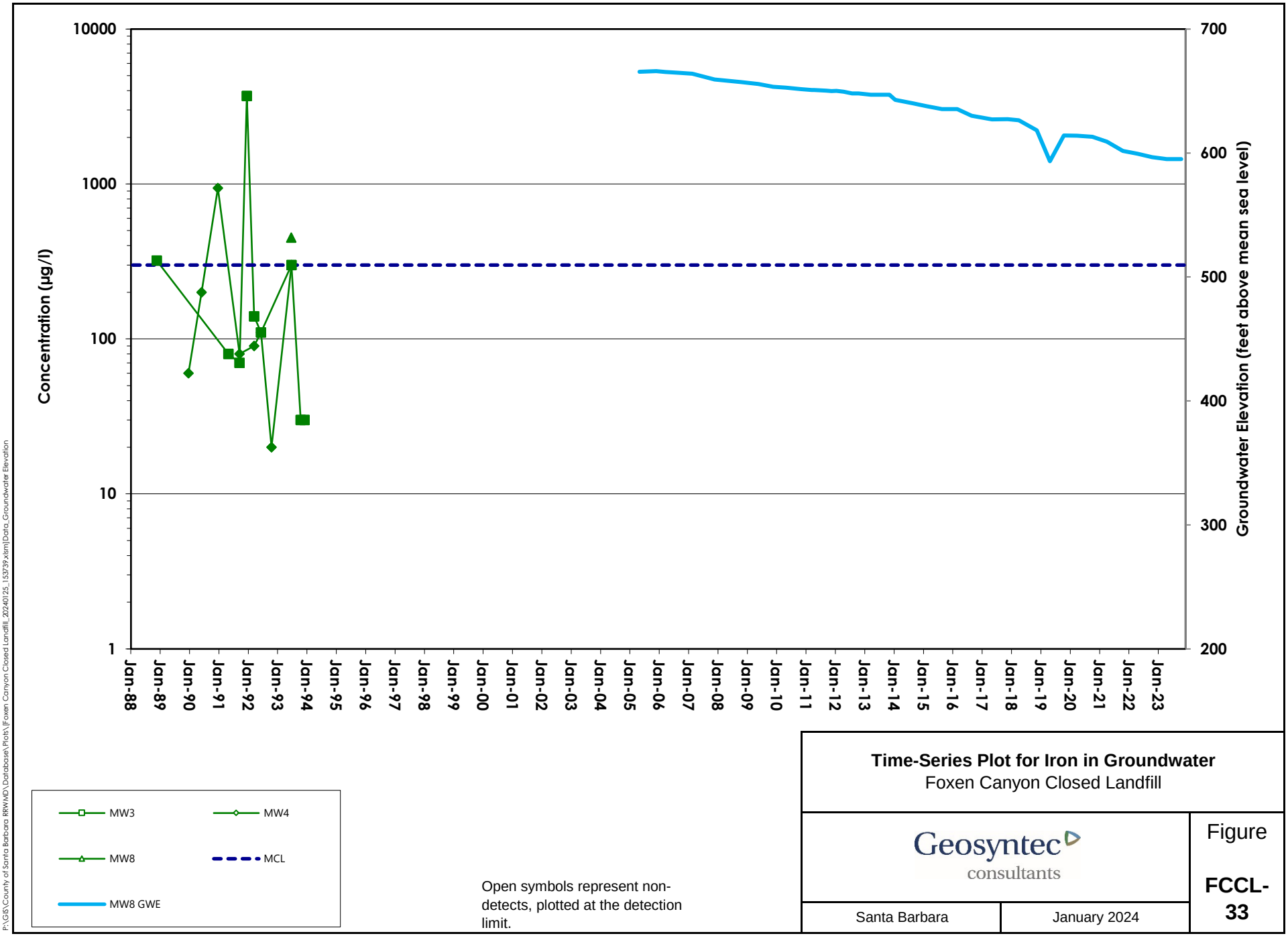
Figure **FCCL-32**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Iron in Groundwater
Foxen Canyon Closed Landfill

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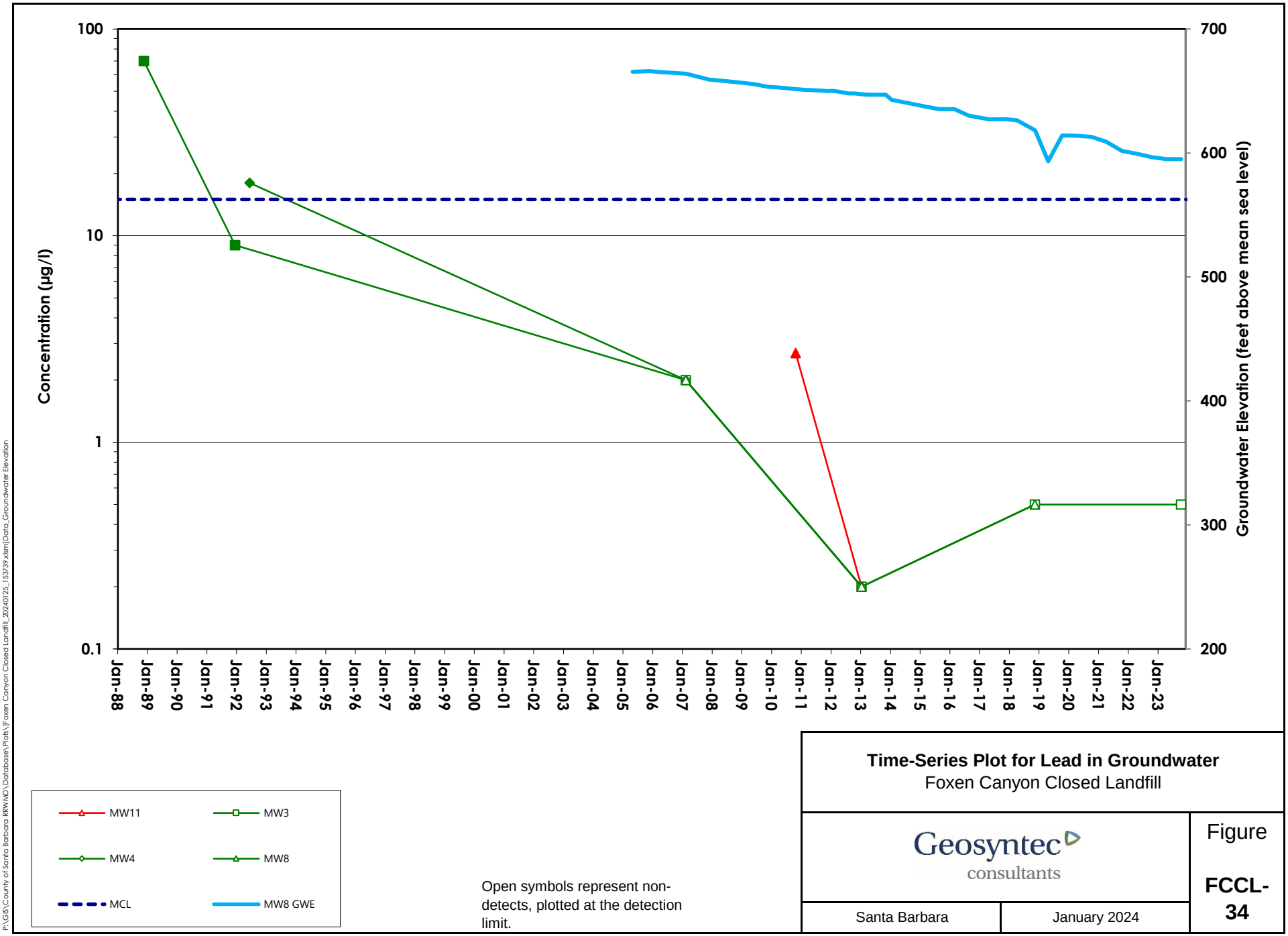
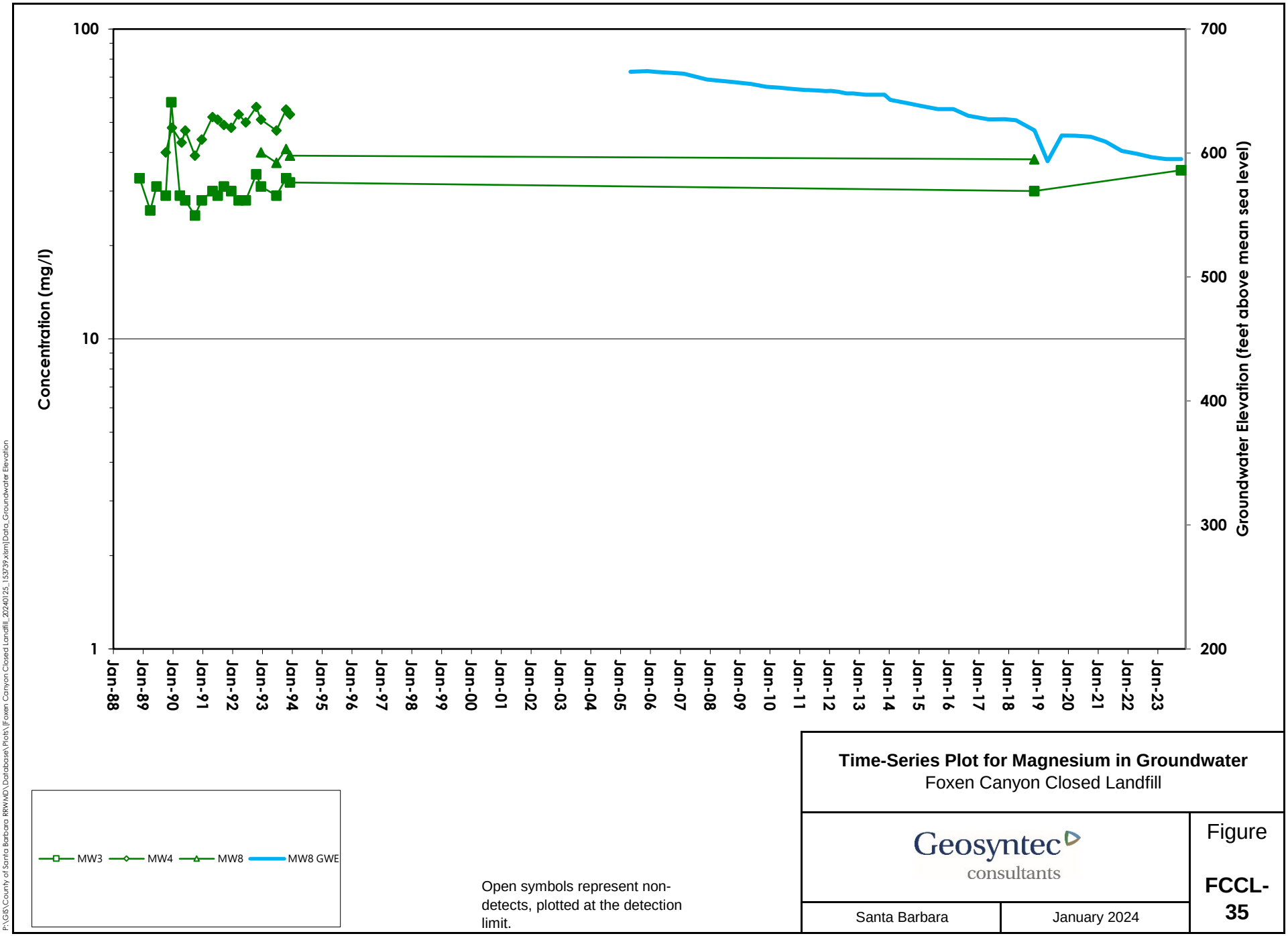
Figure **FCCL-33**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation





Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Magnesium in Groundwater
Foxen Canyon Closed Landfill

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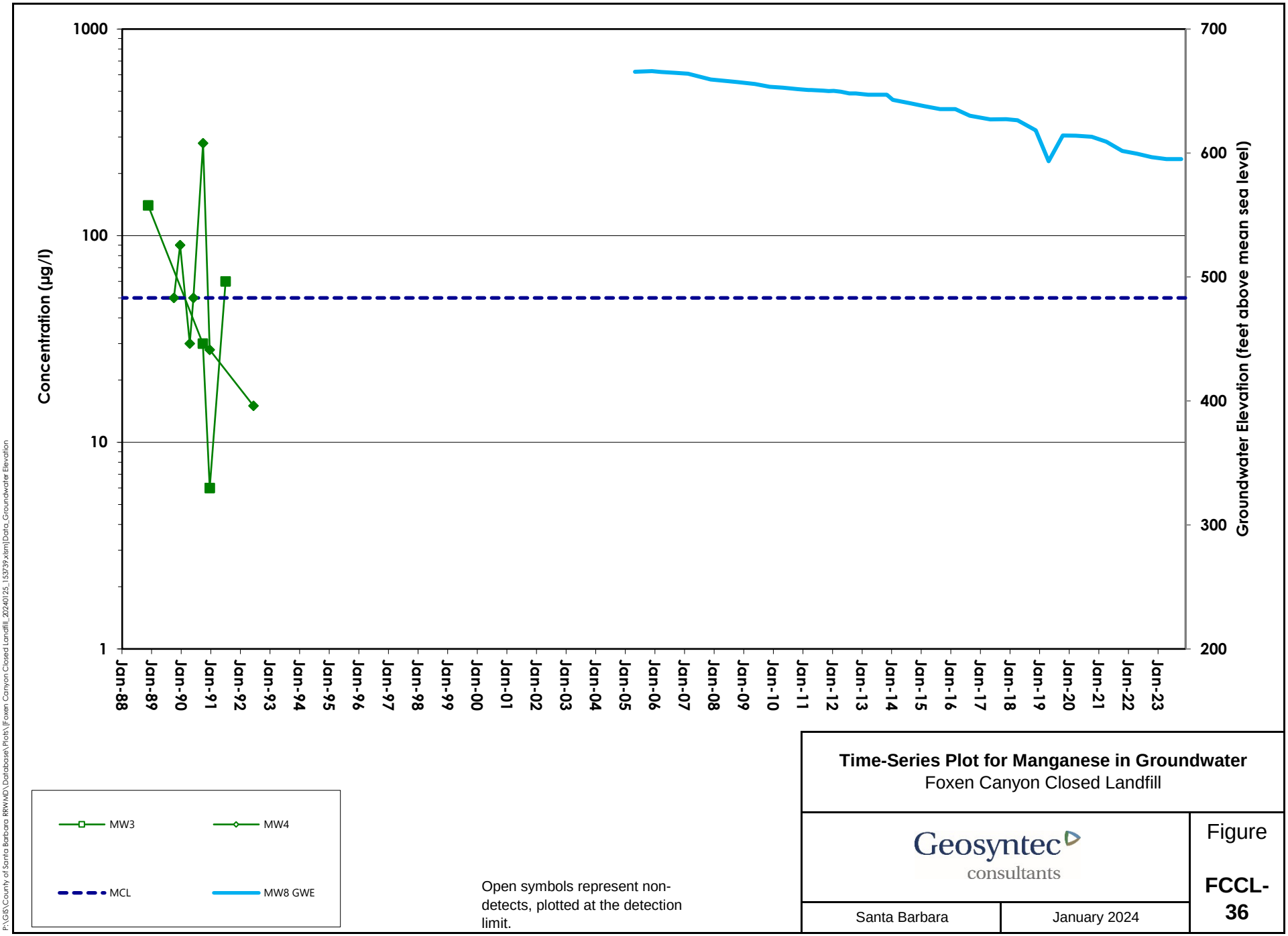
Figure **FCCL-35**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Manganese in Groundwater
Foxen Canyon Closed Landfill

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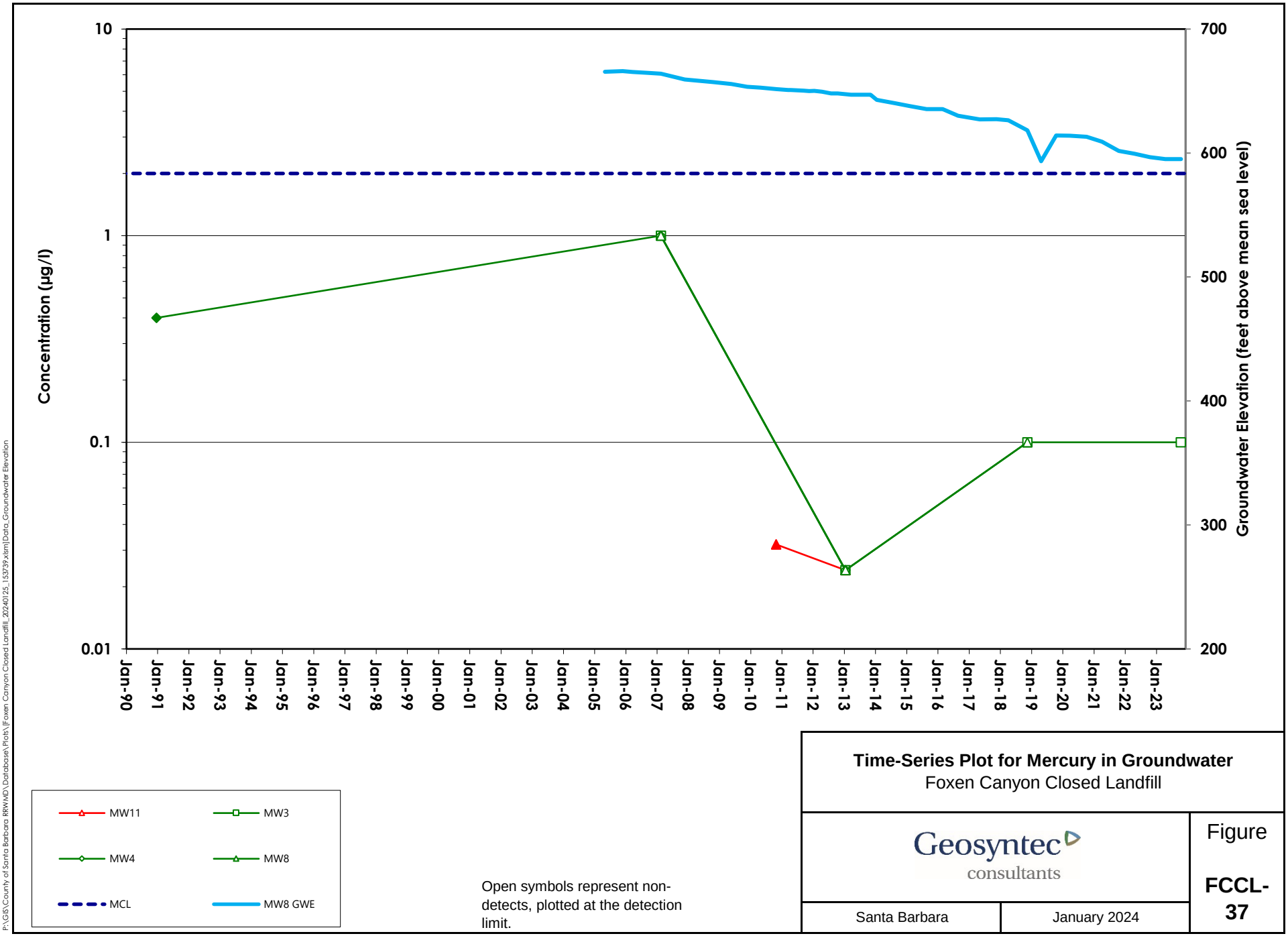
Figure **FCCL-36**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Mercury in Groundwater
Foxen Canyon Closed Landfill

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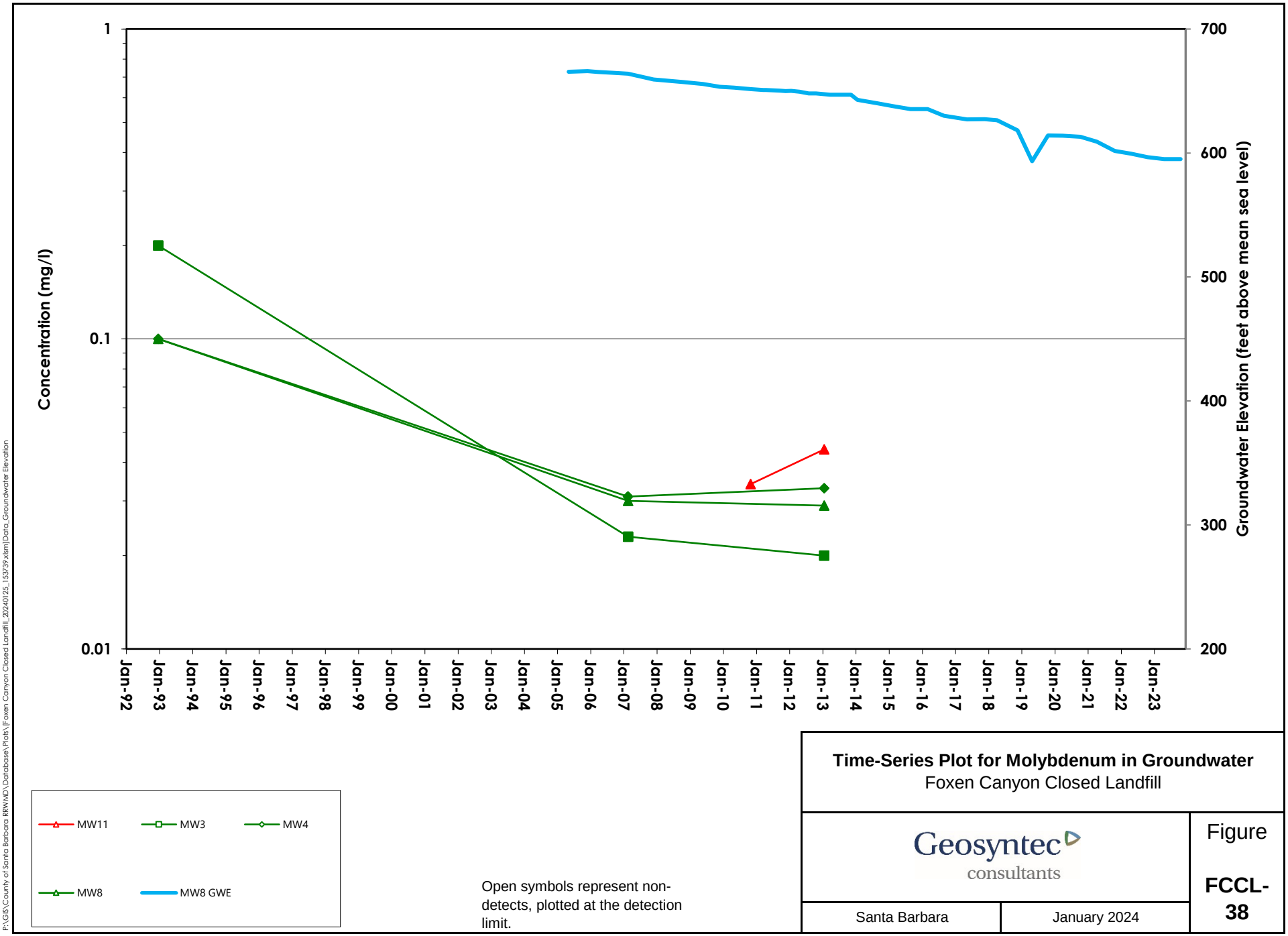
Figure
FCCL-37



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Molybdenum in Groundwater
Foxen Canyon Closed Landfill

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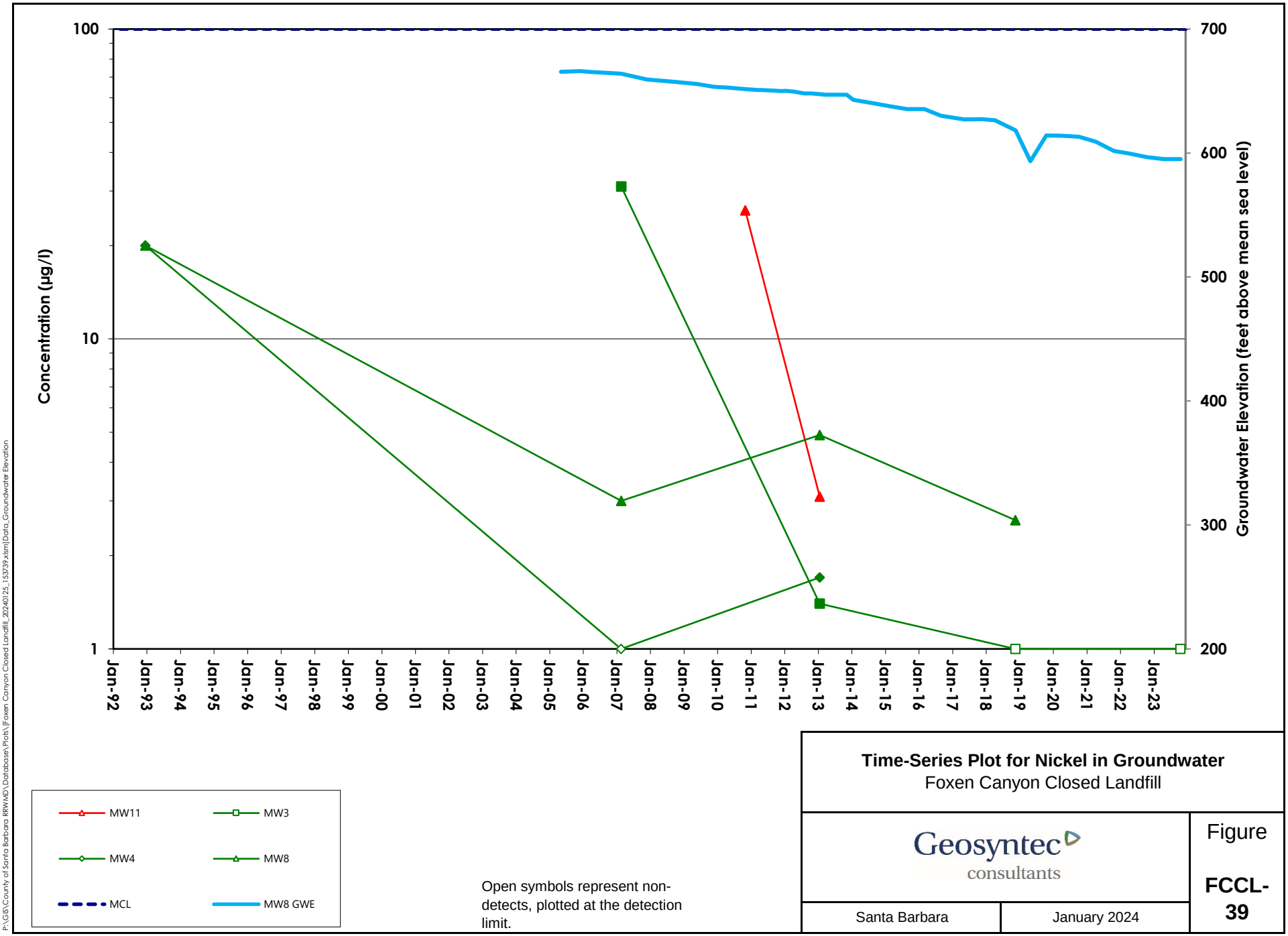
Figure **FCCL-38**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Time-Series Plot for Nickel in Groundwater
Foxen Canyon Closed Landfill

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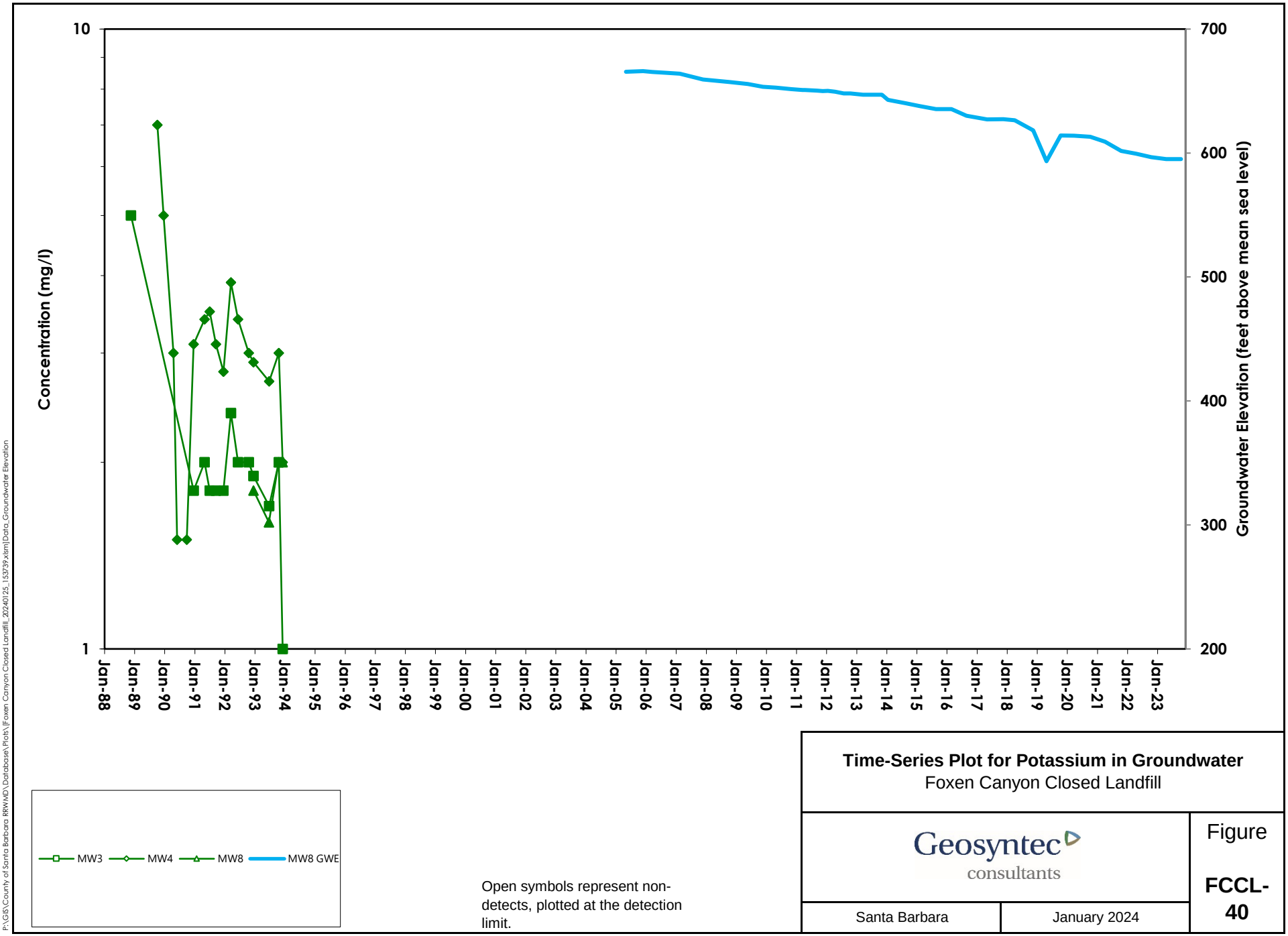
Figure
FCCL-39



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Potassium in Groundwater
Foxen Canyon Closed Landfill

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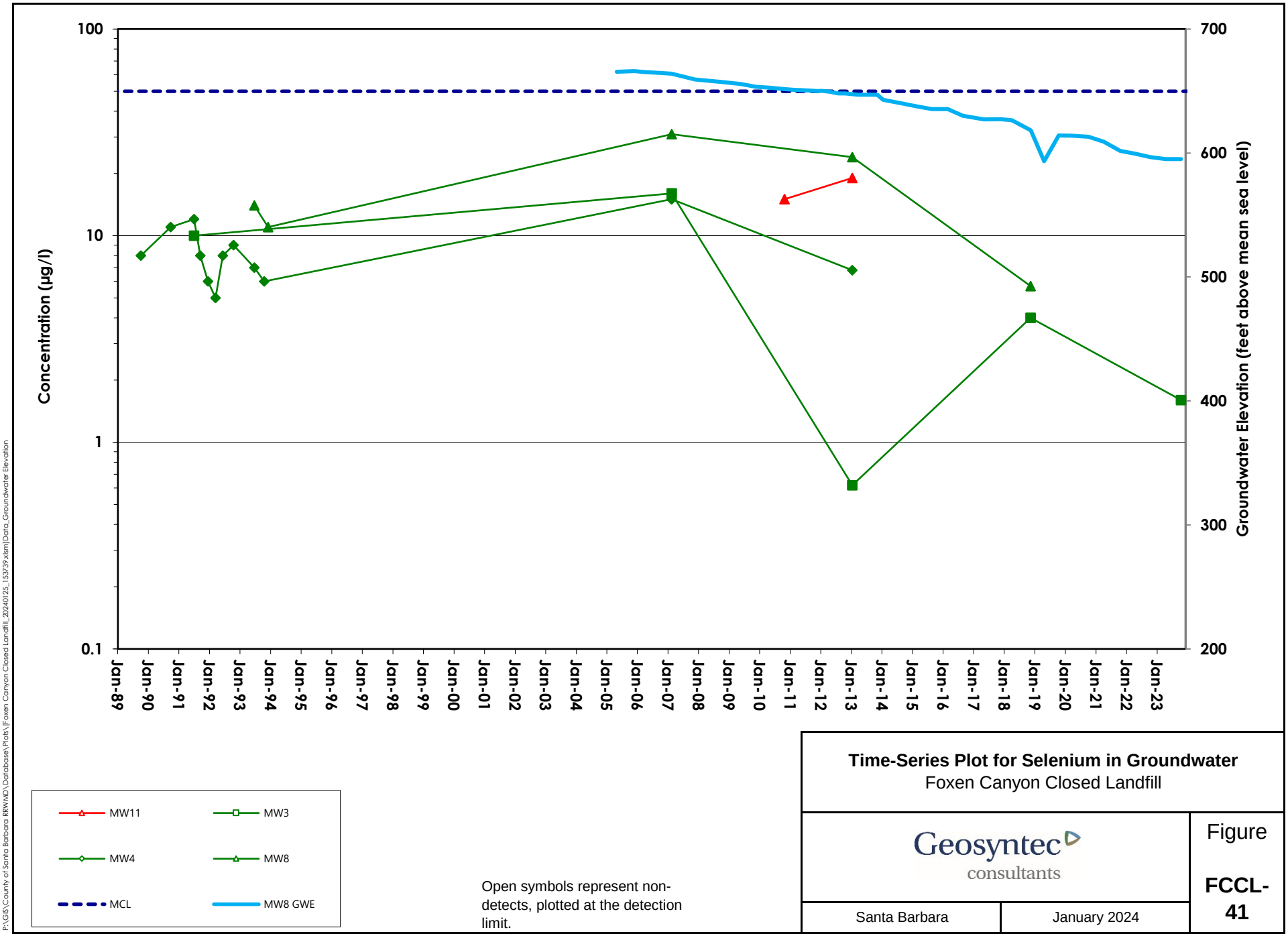
Figure
FCCL-40

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Selenium in Groundwater
Foxen Canyon Closed Landfill

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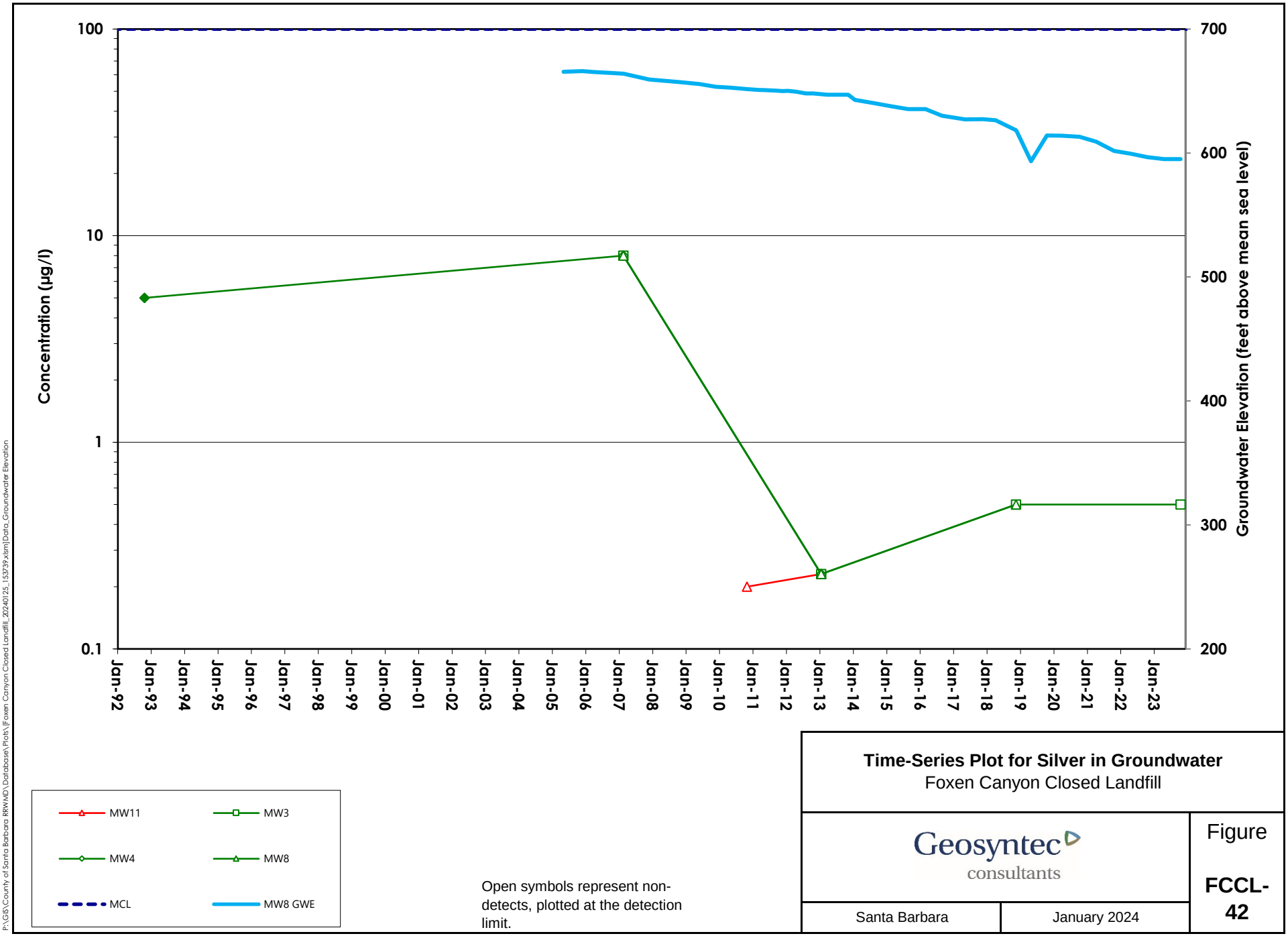
Figure **FCCL-41**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Silver in Groundwater
Foxen Canyon Closed Landfill

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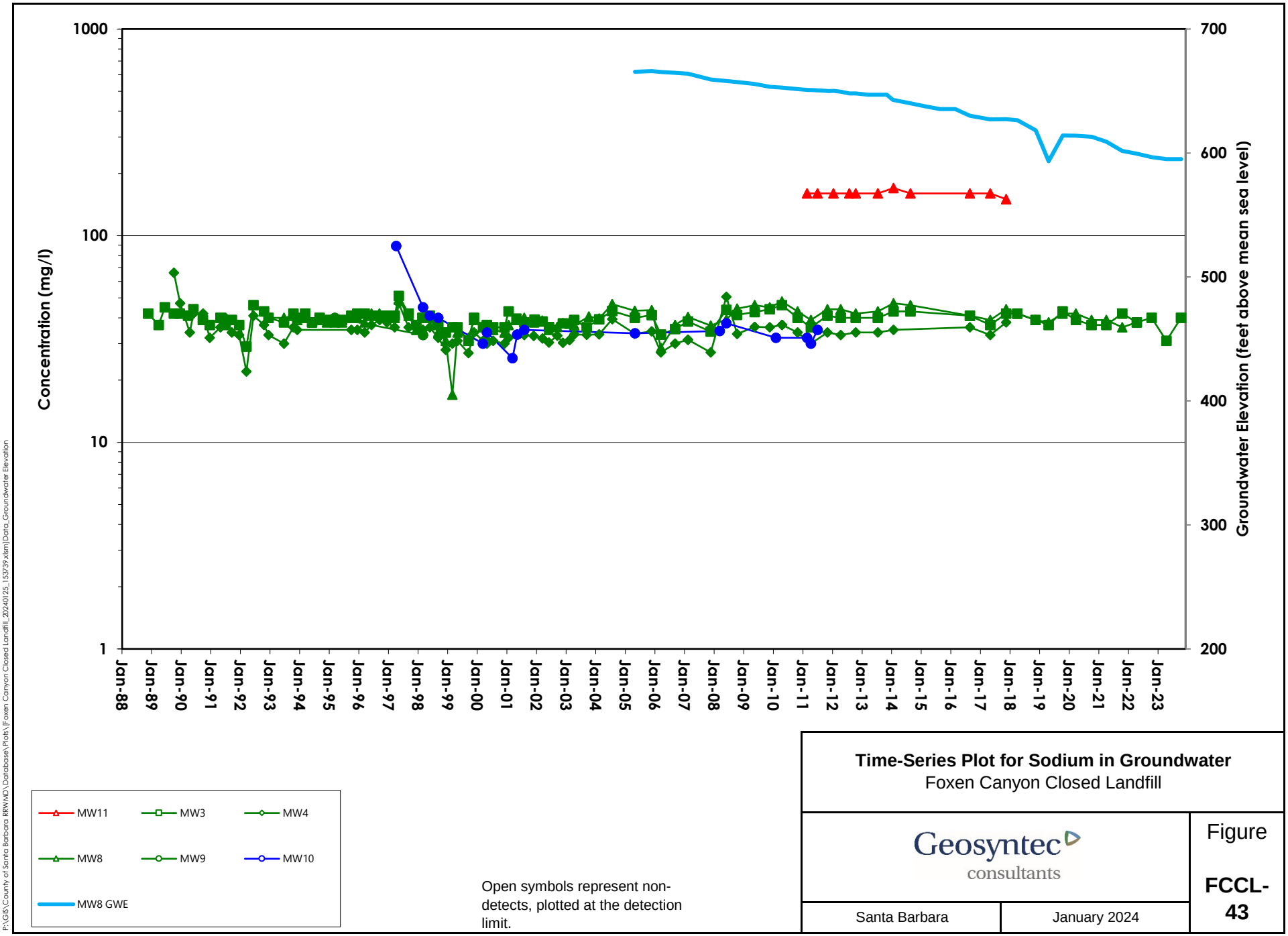
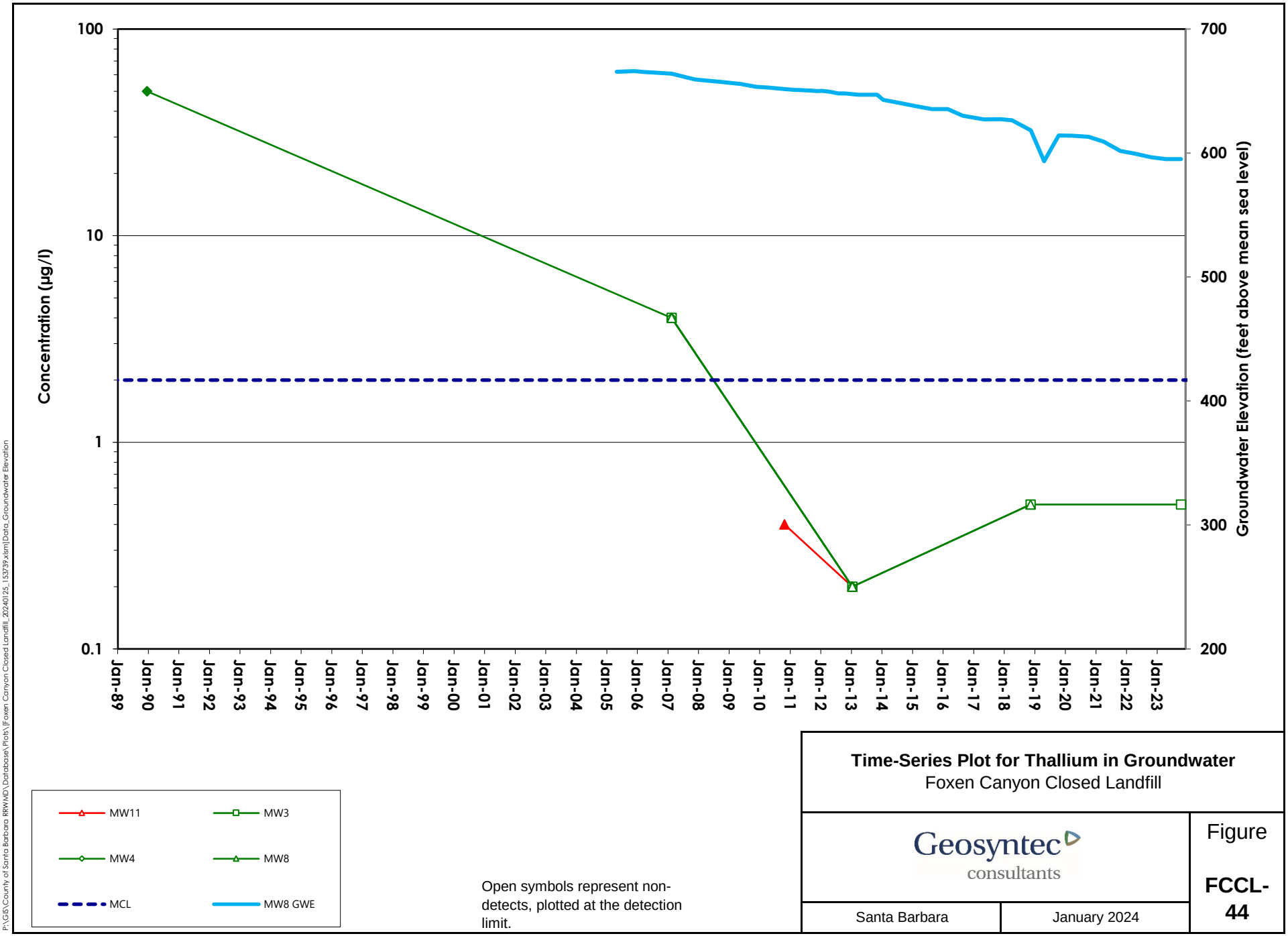
Figure **FCCL-42**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation





Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Thallium in Groundwater
Foxen Canyon Closed Landfill

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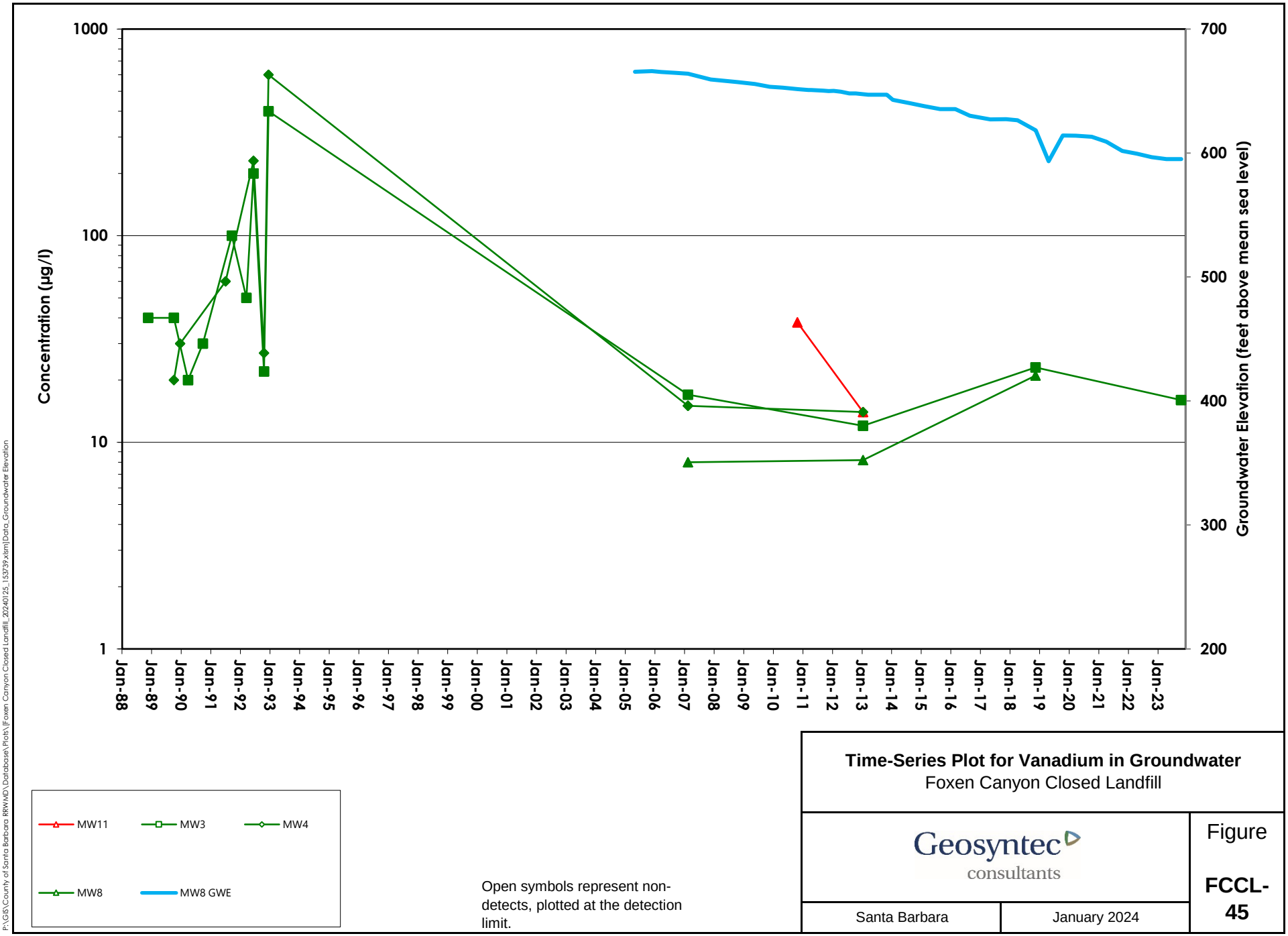
Figure **FCCL-44**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Vanadium in Groundwater
Foxen Canyon Closed Landfill

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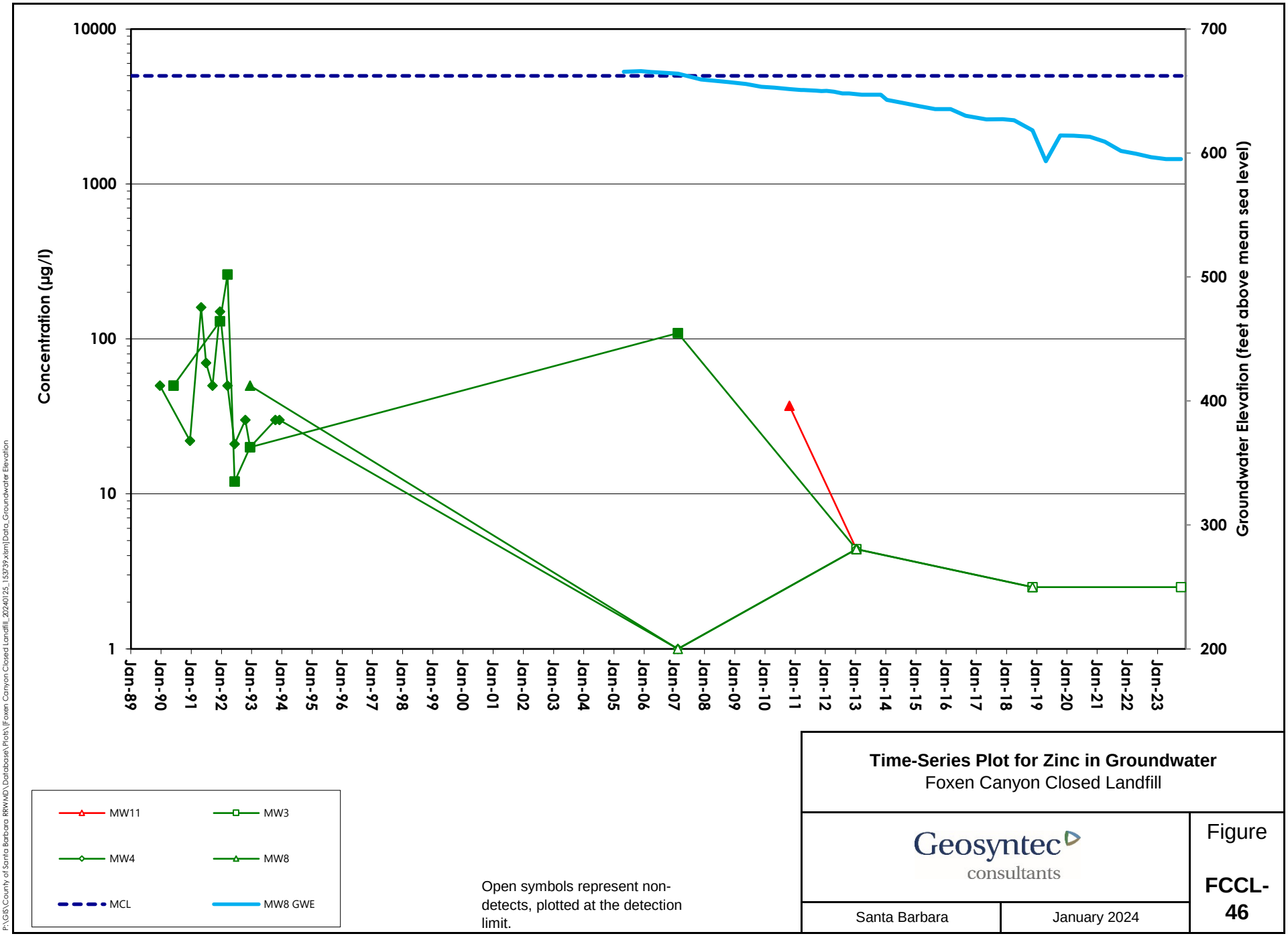
Figure **FCCL-45**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Zinc in Groundwater
Foxen Canyon Closed Landfill

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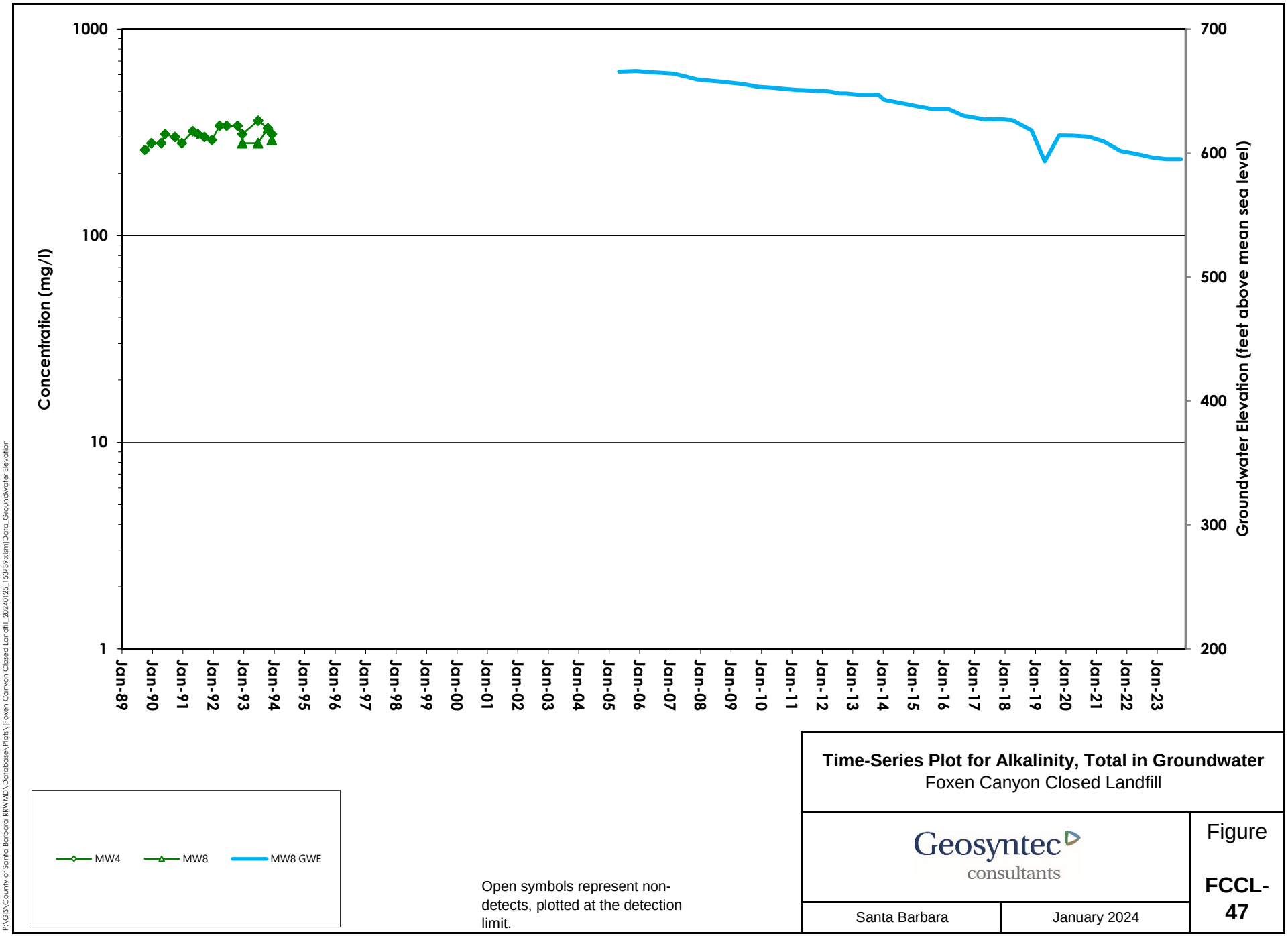
Figure **FCCL-46**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Alkalinity, Total in Groundwater
Foxen Canyon Closed Landfill

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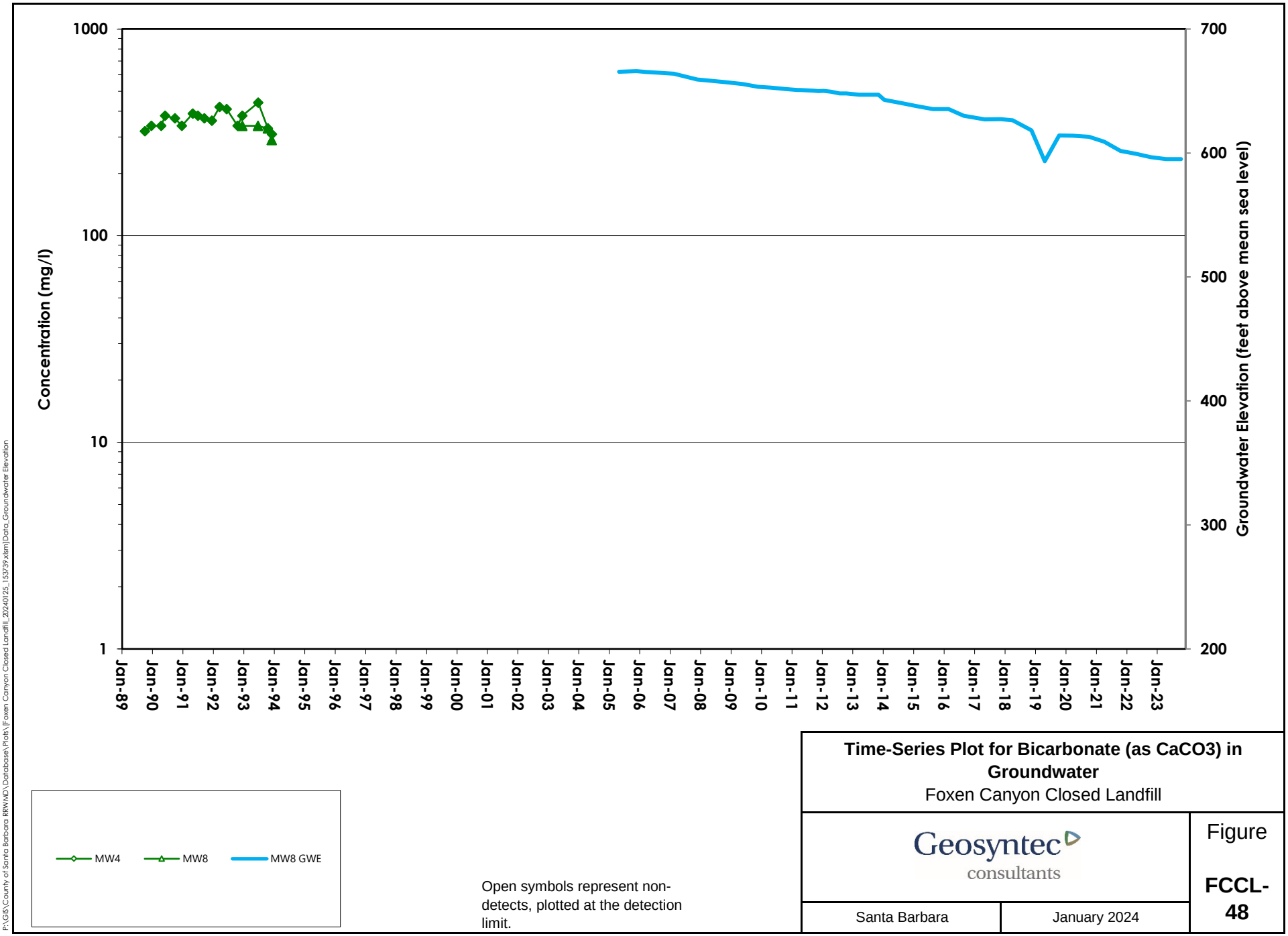
Figure **FCCL-47**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Bicarbonate (as CaCO3) in Groundwater
Foxen Canyon Closed Landfill

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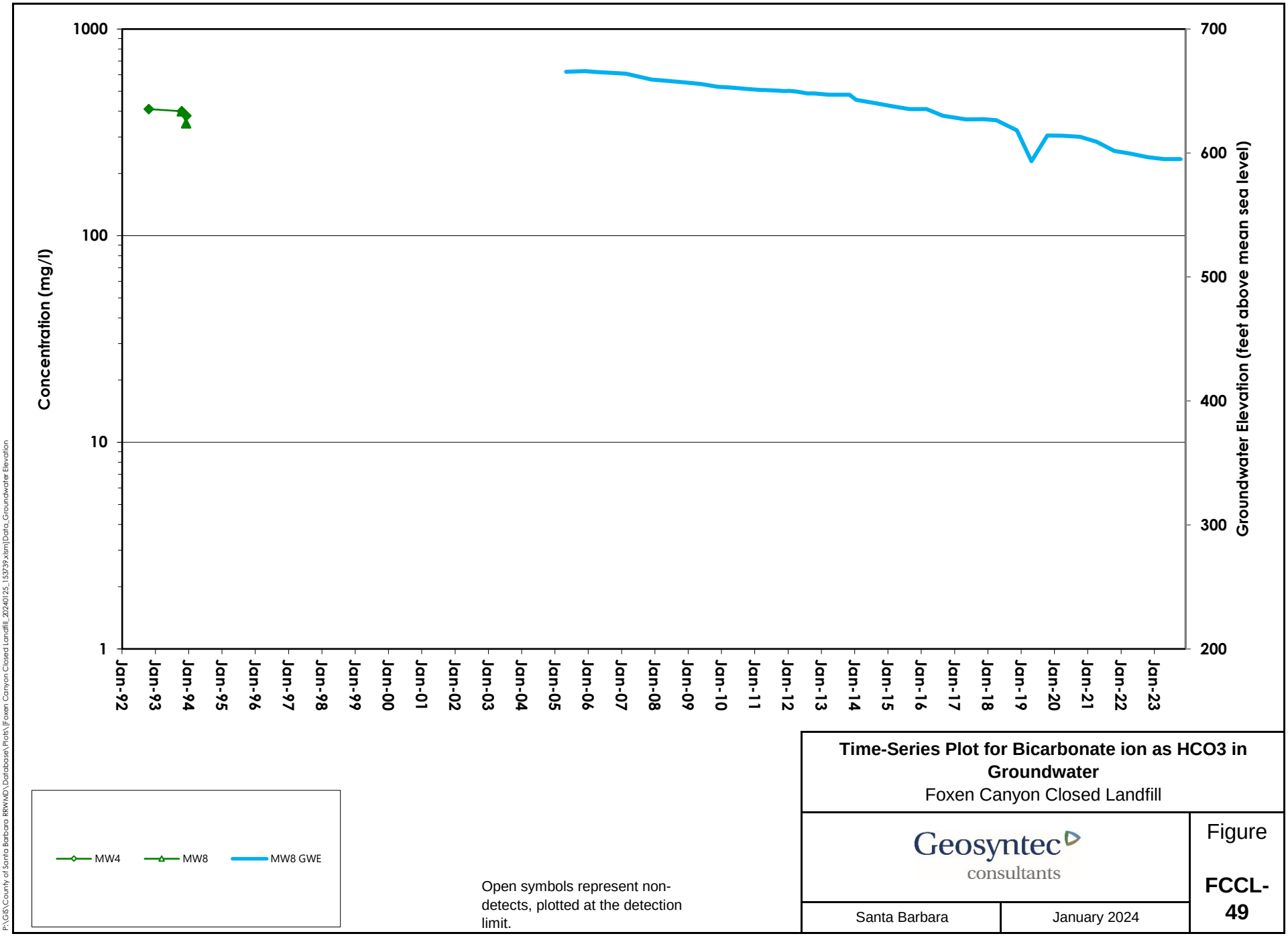
Figure **FCCL-48**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Bicarbonate ion as HCO3 in Groundwater

Foxen Canyon Closed Landfill

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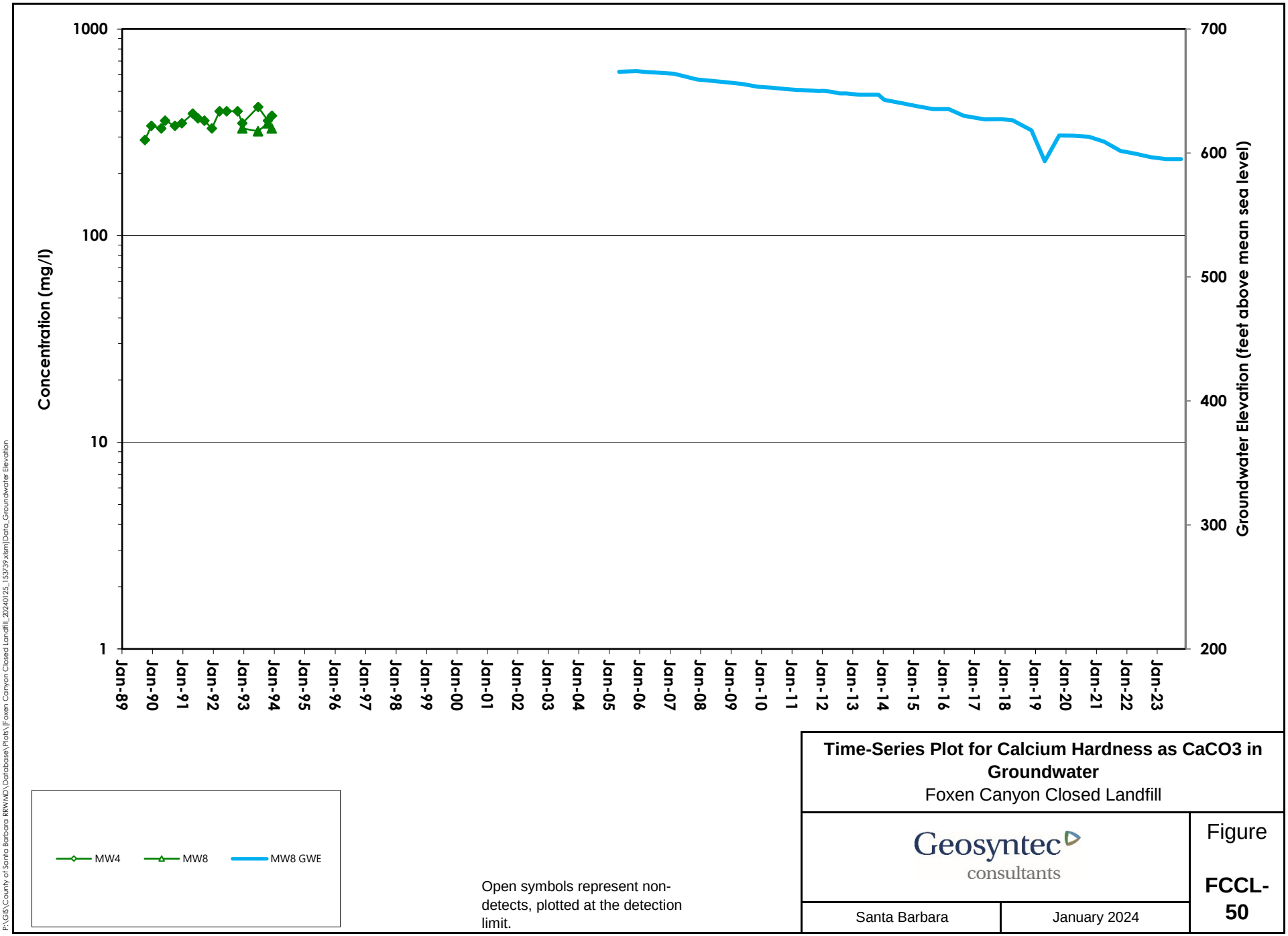
Figure **FCCL-49**



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Calcium Hardness as CaCO3 in Groundwater

Foxen Canyon Closed Landfill

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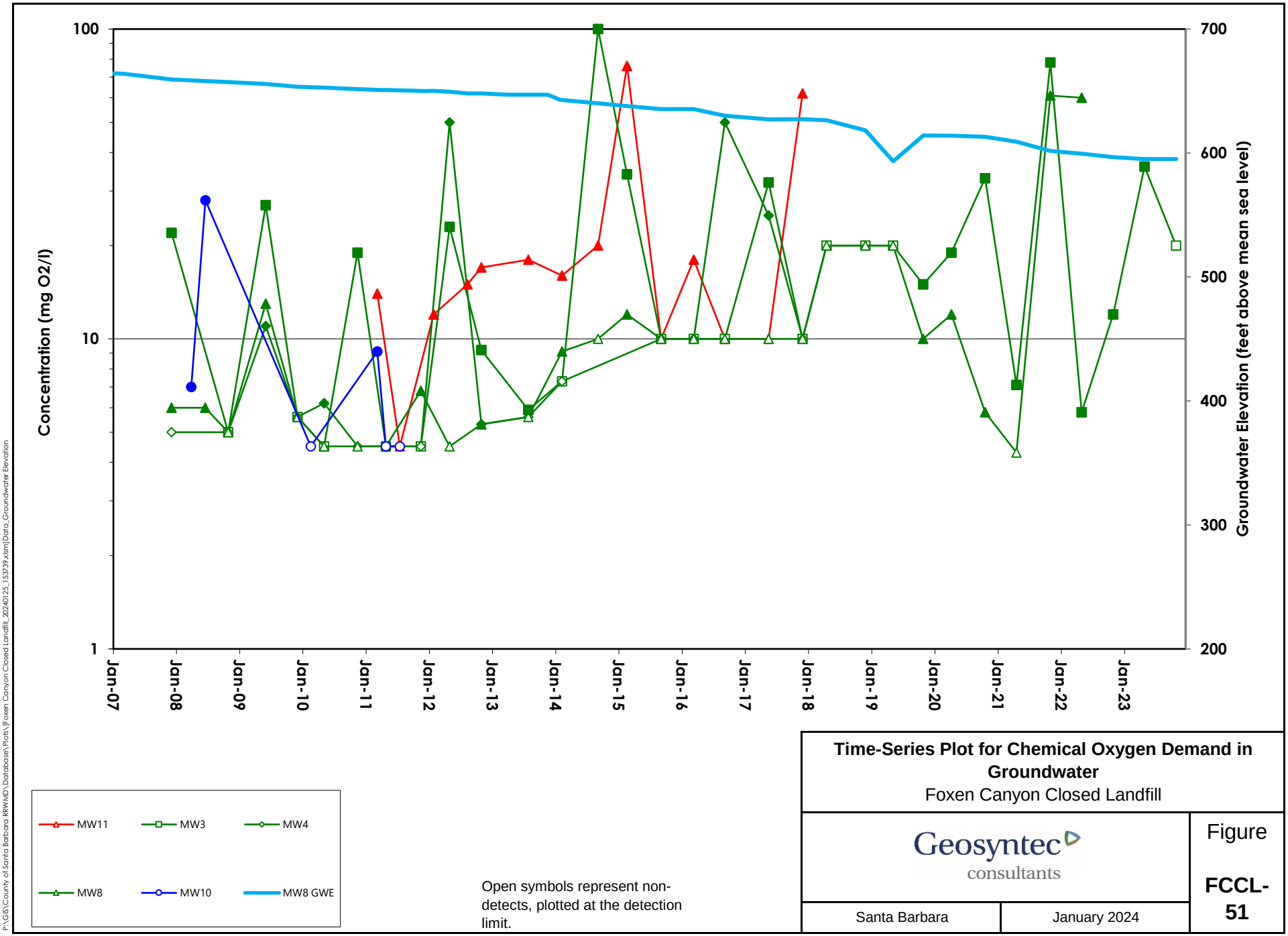
Figure **FCCL-50**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Time-Series Plot for Chemical Oxygen Demand in Groundwater

Foxen Canyon Closed Landfill

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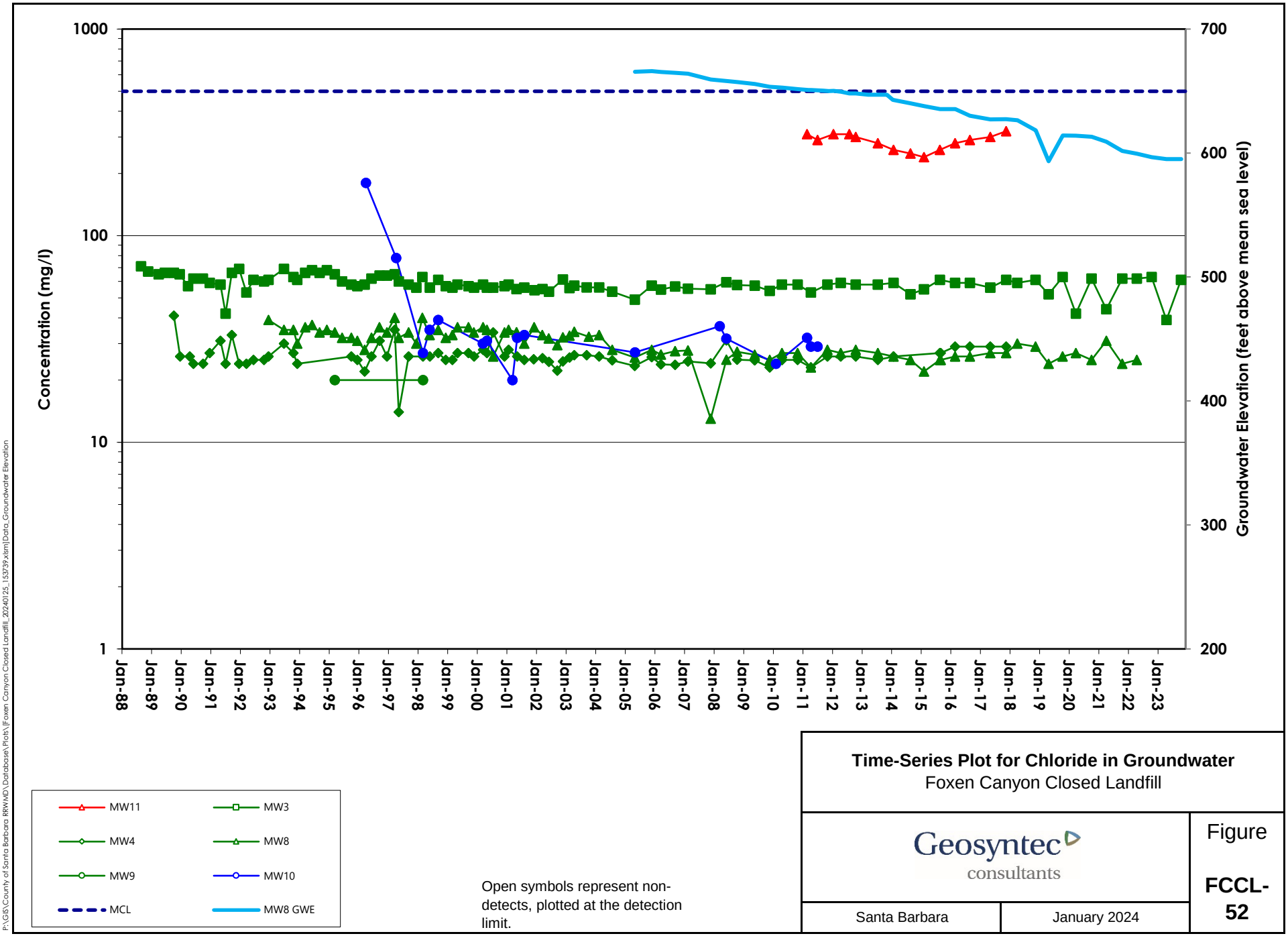
Figure **FCCL-51**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Chloride in Groundwater
Foxen Canyon Closed Landfill

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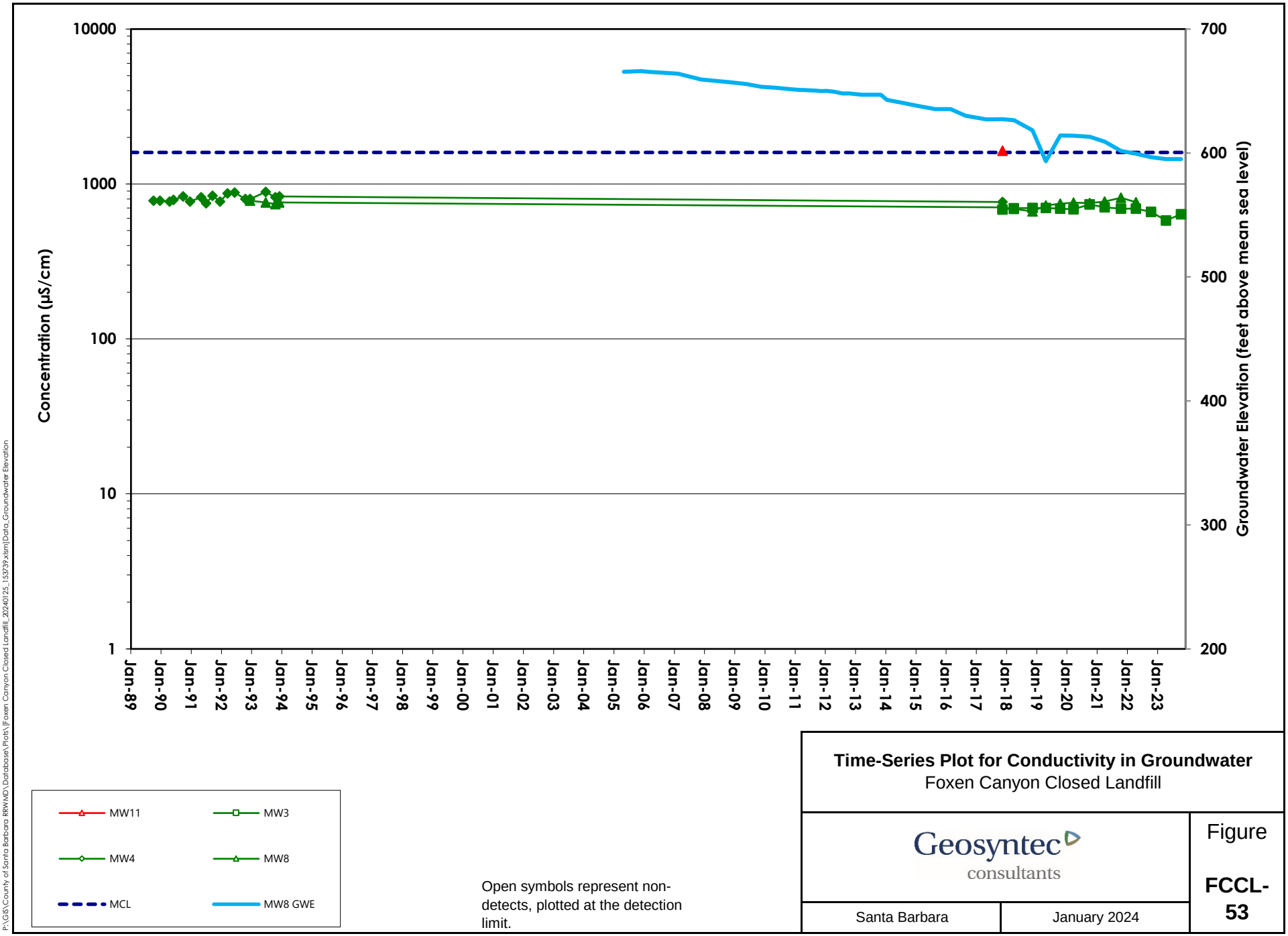
Figure **FCCL-52**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Time-Series Plot for Conductivity in Groundwater
Foxen Canyon Closed Landfill

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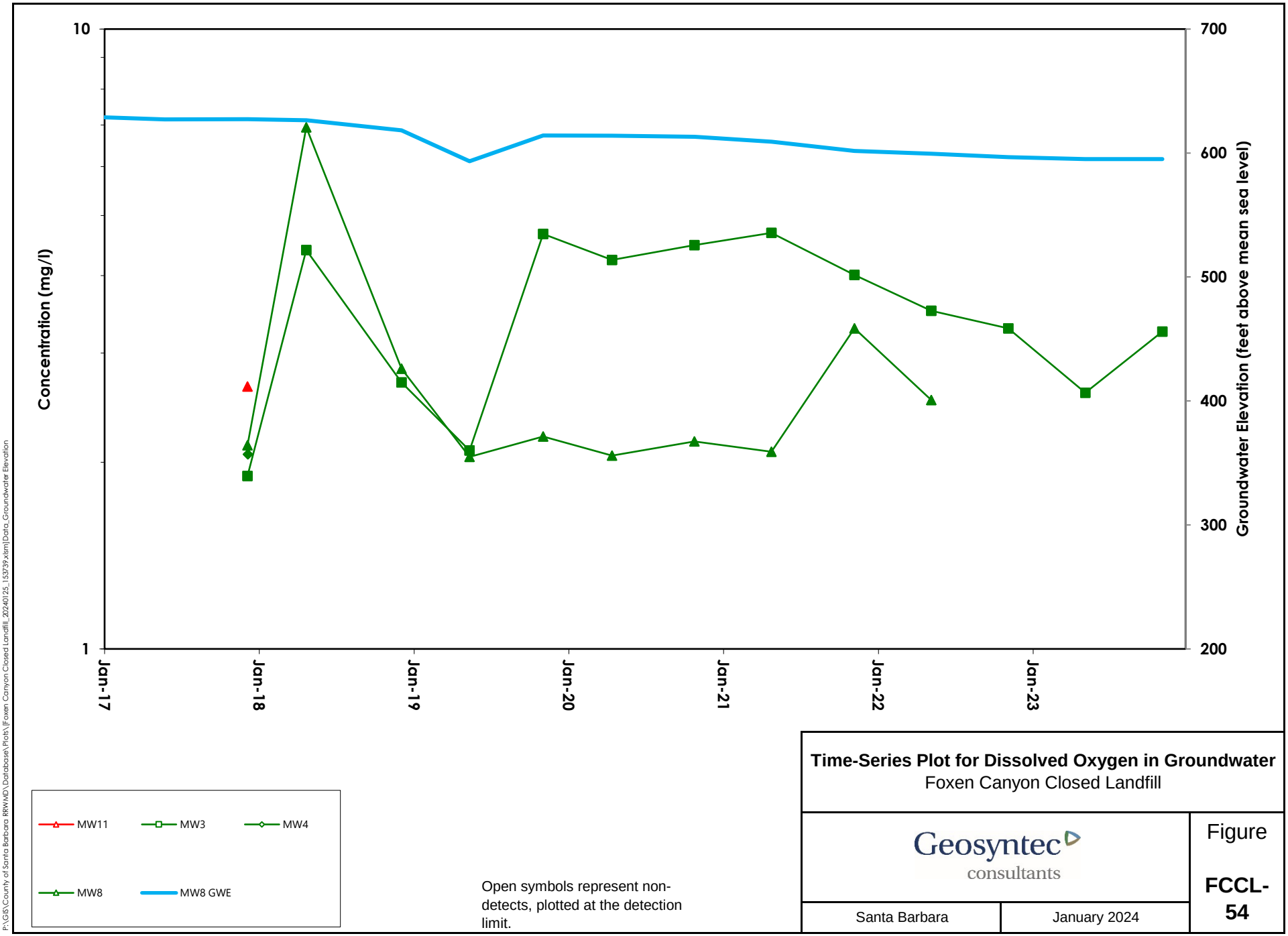
Figure **FCCL-53**



Time-Series Plot for Dissolved Oxygen in Groundwater
Foxen Canyon Closed Landfill

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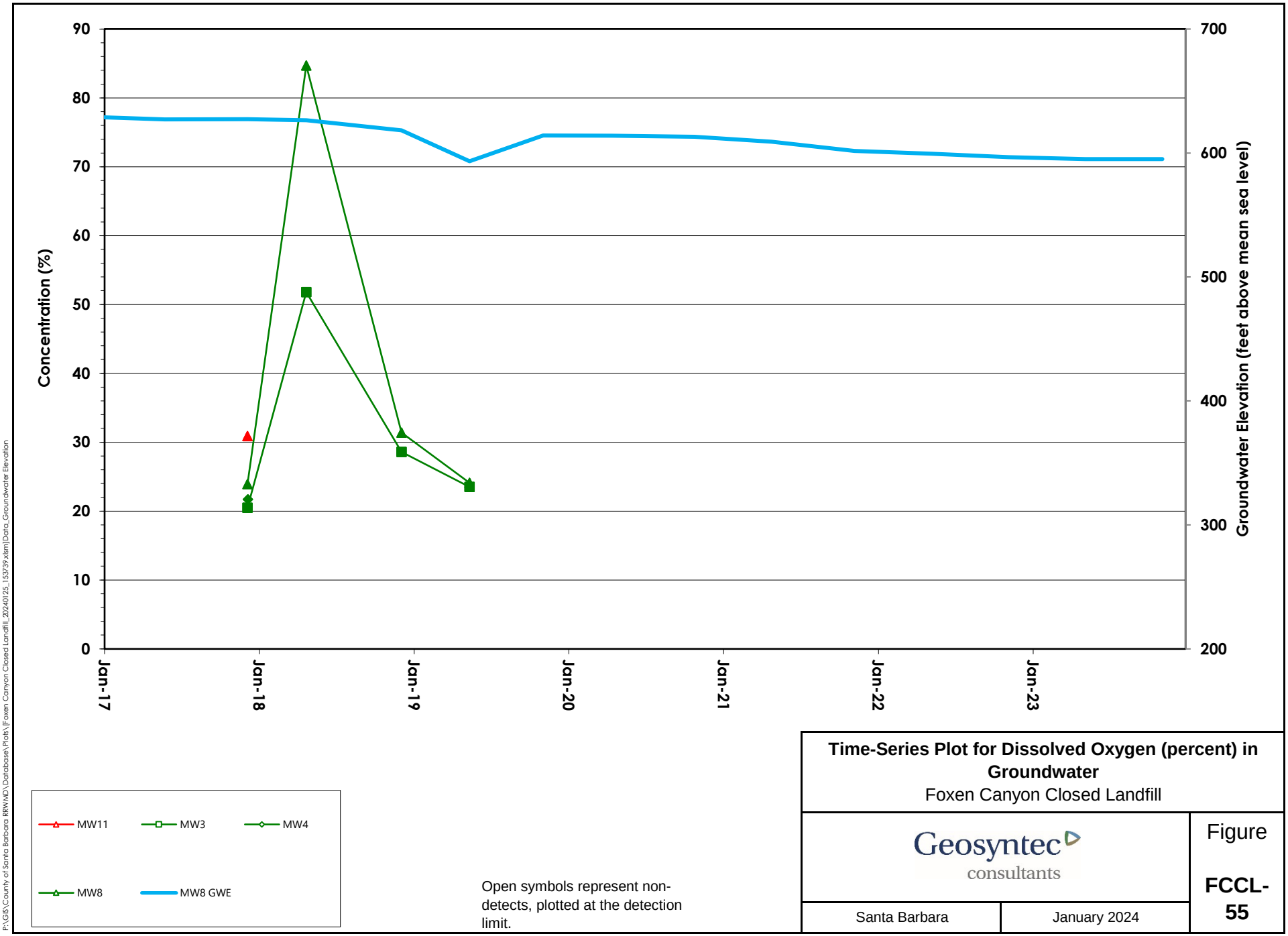
Figure **FCCL-54**



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Dissolved Oxygen (percent) in Groundwater
Foxen Canyon Closed Landfill

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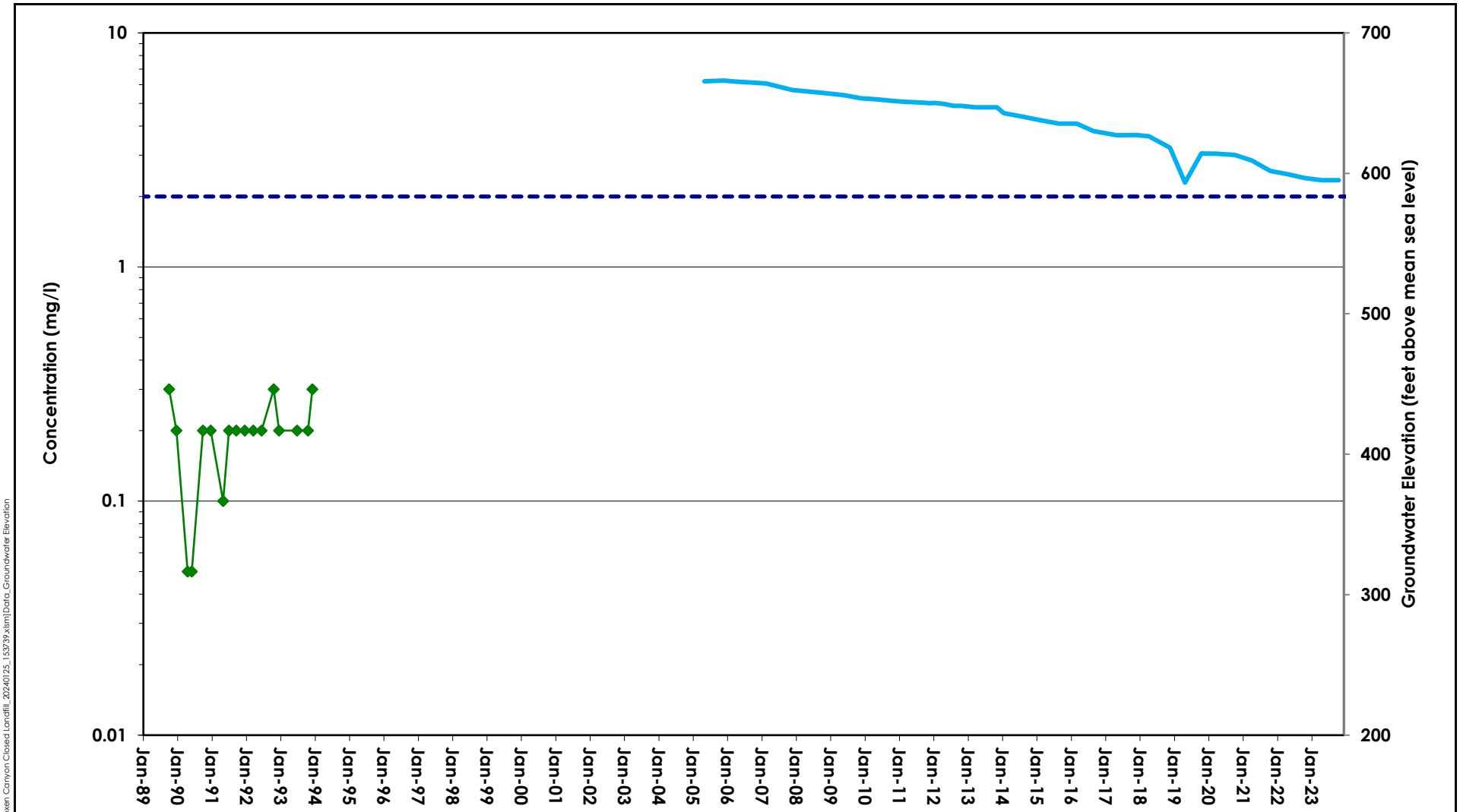
Figure **FCCL-55**



MW4 — MCL — MW8 GWE

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Fluoride in Groundwater
Foxen Canyon Closed Landfill

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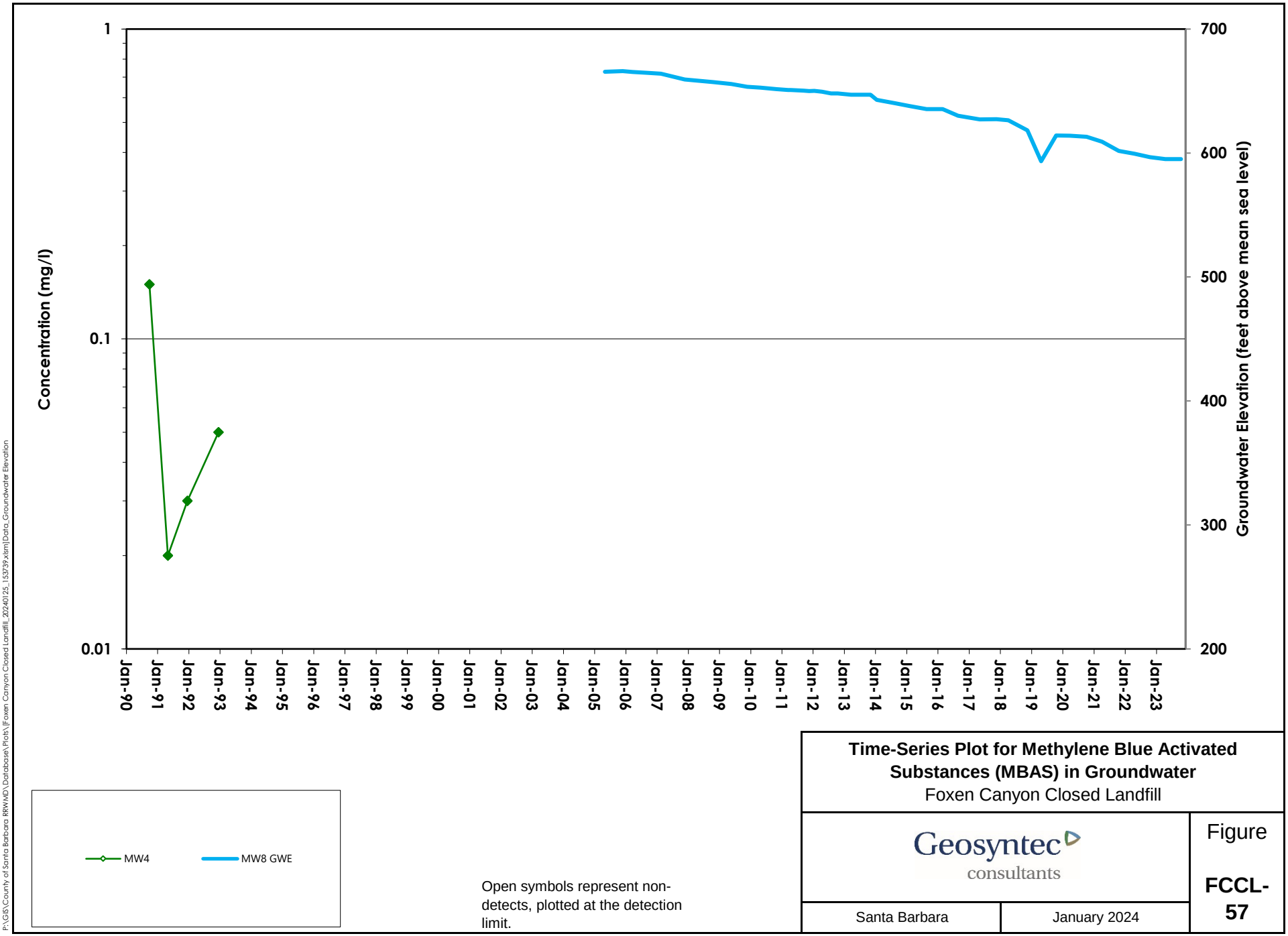
Figure **FCCL-56**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Methylene Blue Activated Substances (MBAS) in Groundwater
Foxen Canyon Closed Landfill

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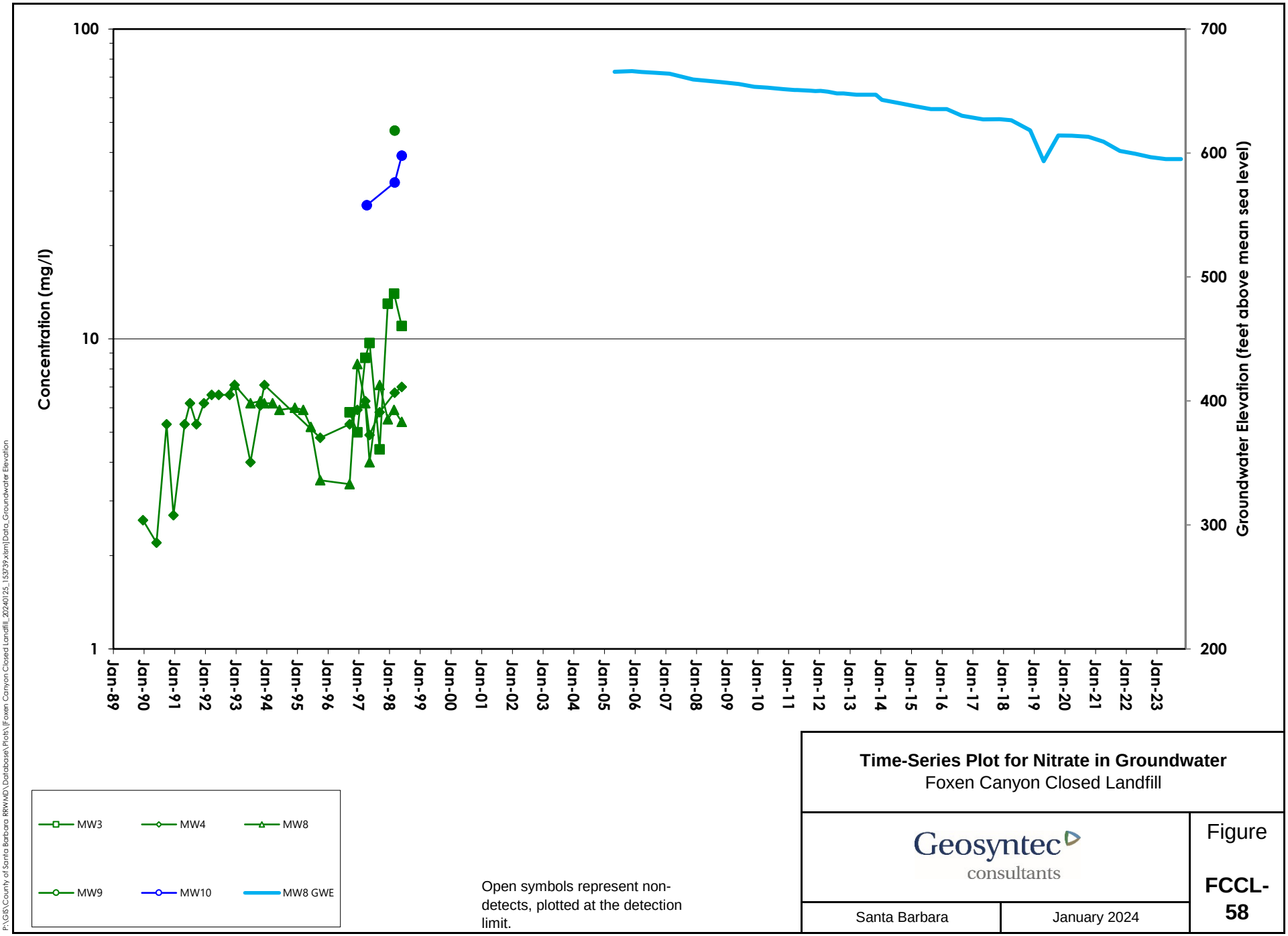
Figure **FCCL-57**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Nitrate in Groundwater
Foxen Canyon Closed Landfill

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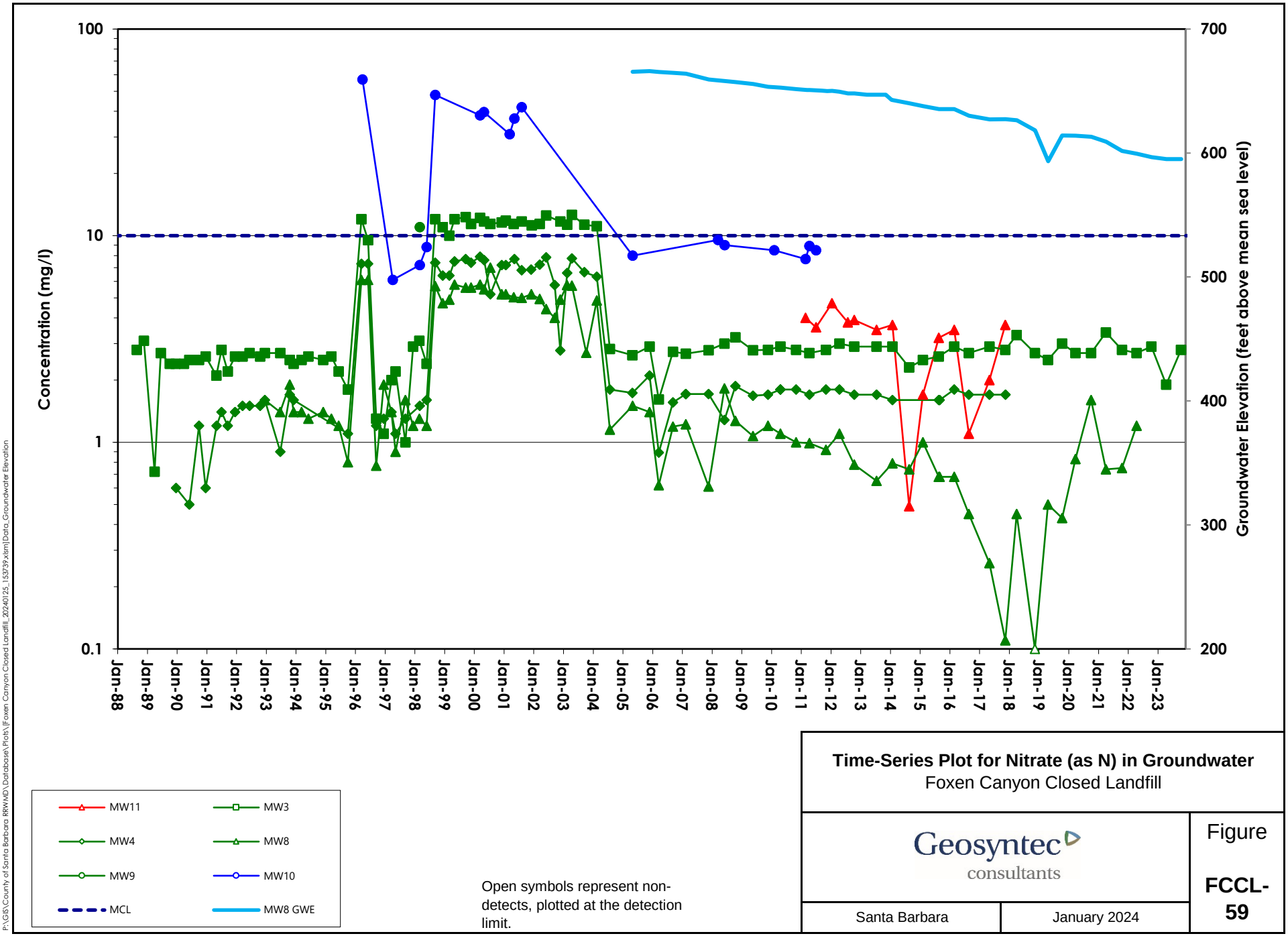
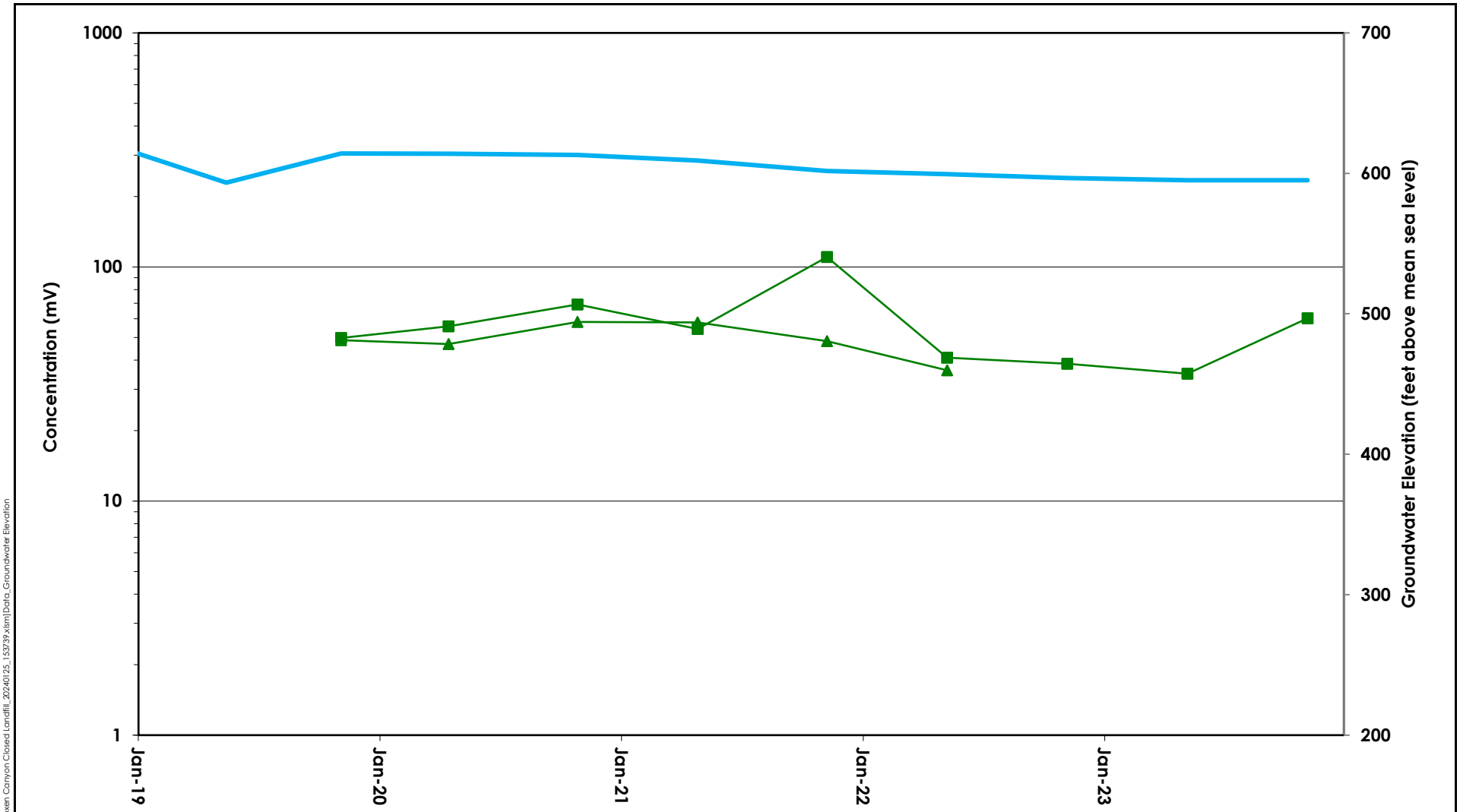
Figure **FCCL-58**





Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Oxidation Reduction Potential in Groundwater

Foxen Canyon Closed Landfill

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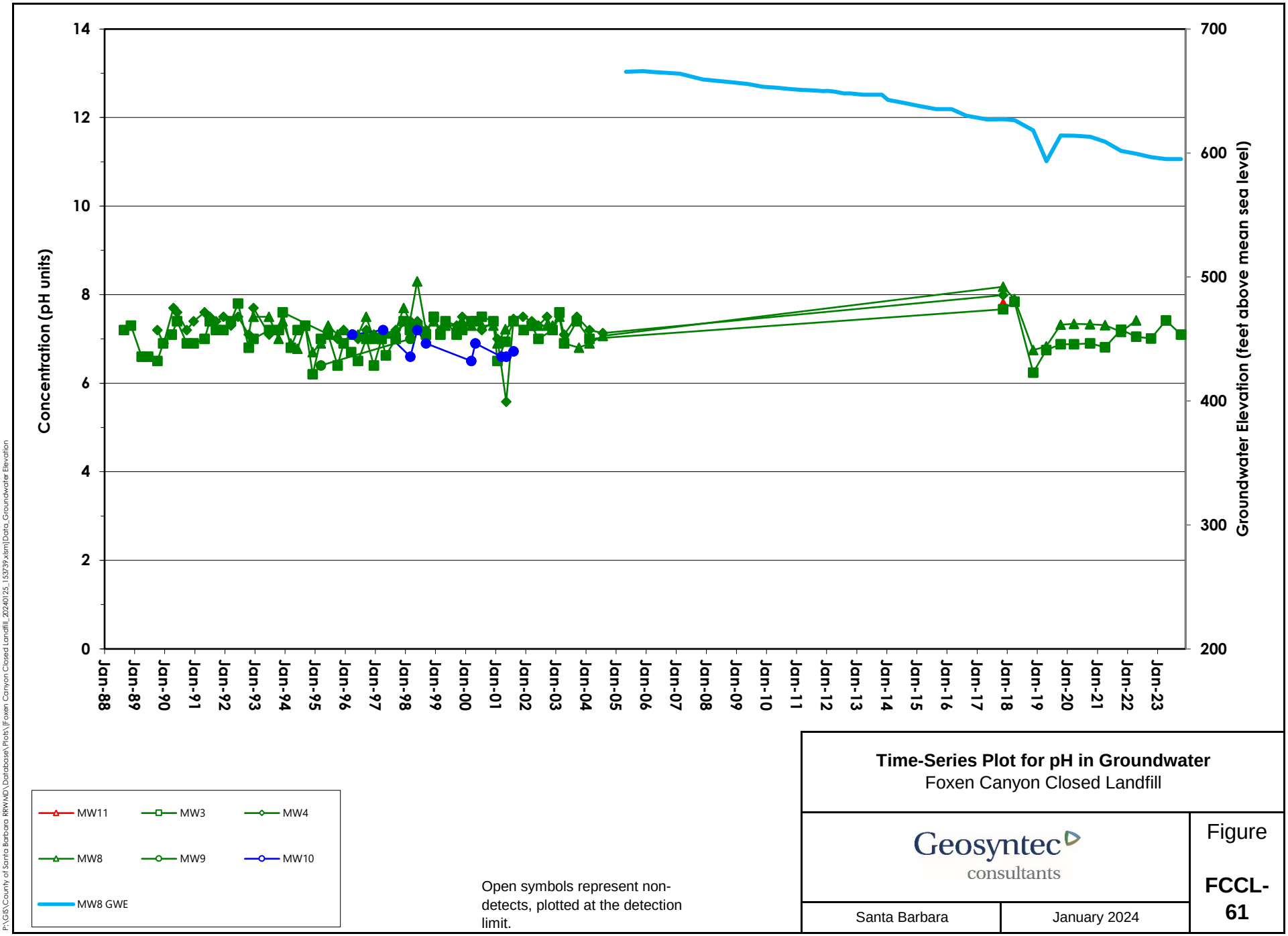
Figure **FCCL-60**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for pH in Groundwater
Foxen Canyon Closed Landfill

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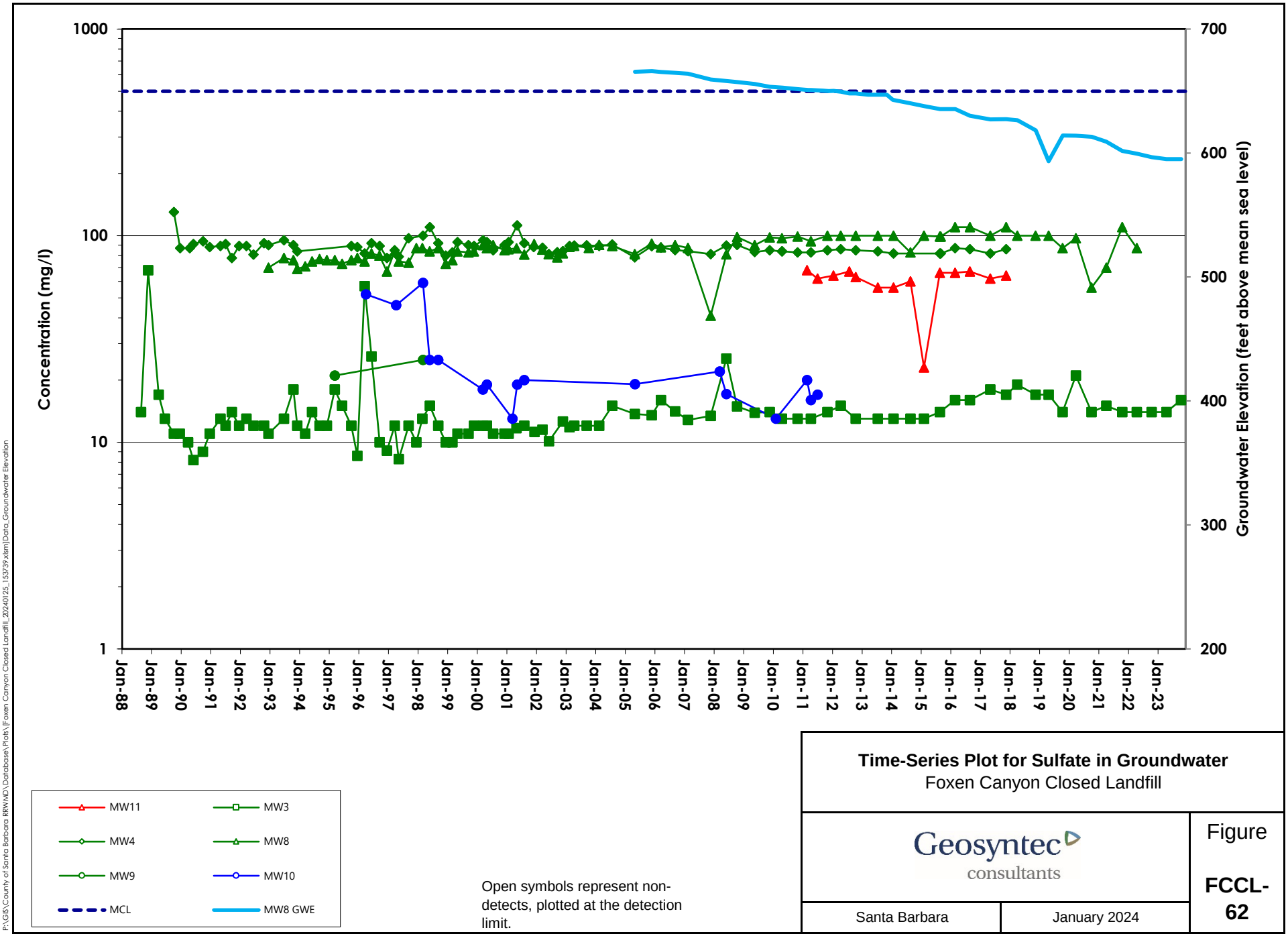
Figure **FCCL-61**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Sulfate in Groundwater
Foxen Canyon Closed Landfill

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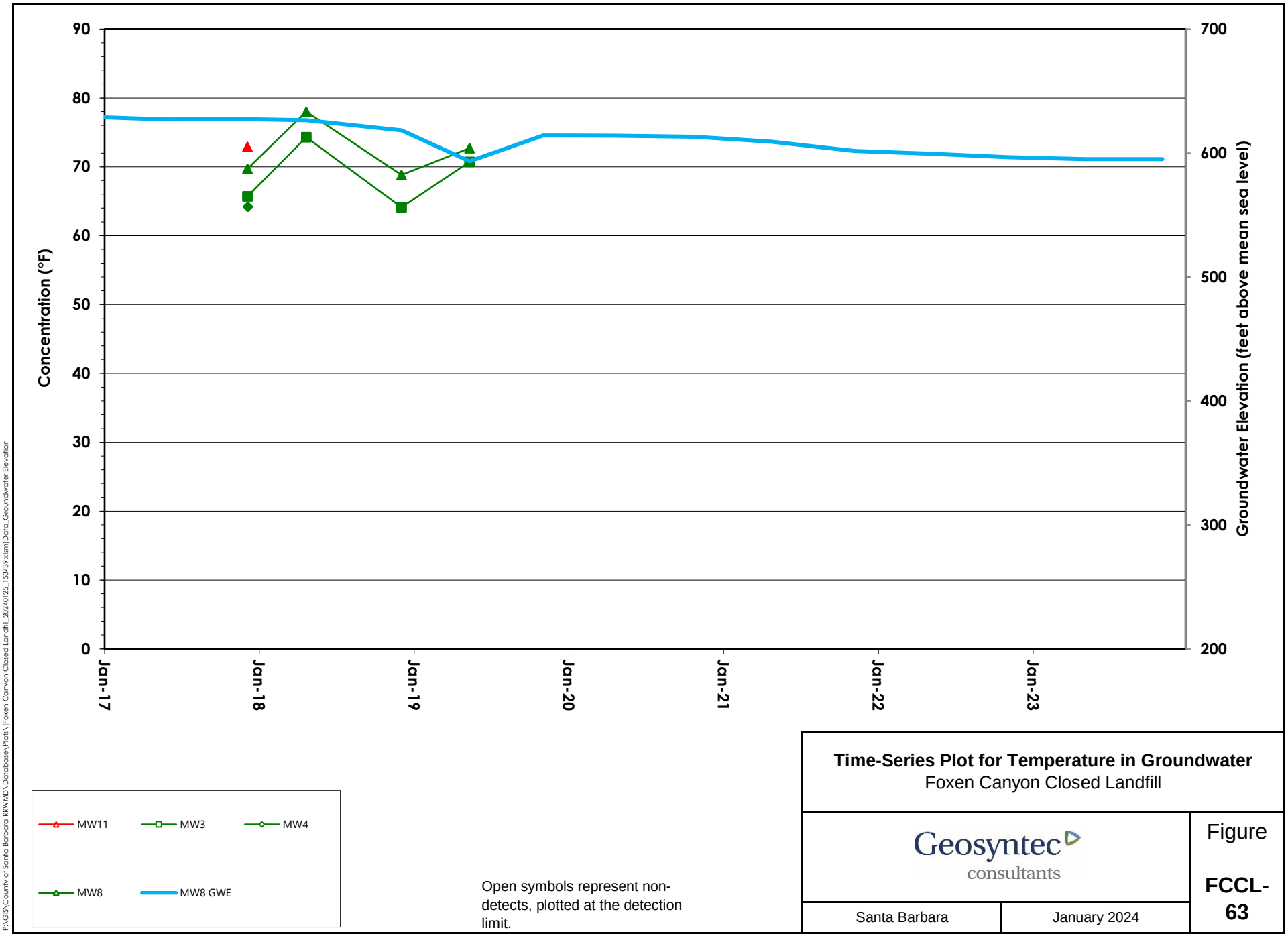
Figure **FCCL-62**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Temperature in Groundwater
Foxen Canyon Closed Landfill

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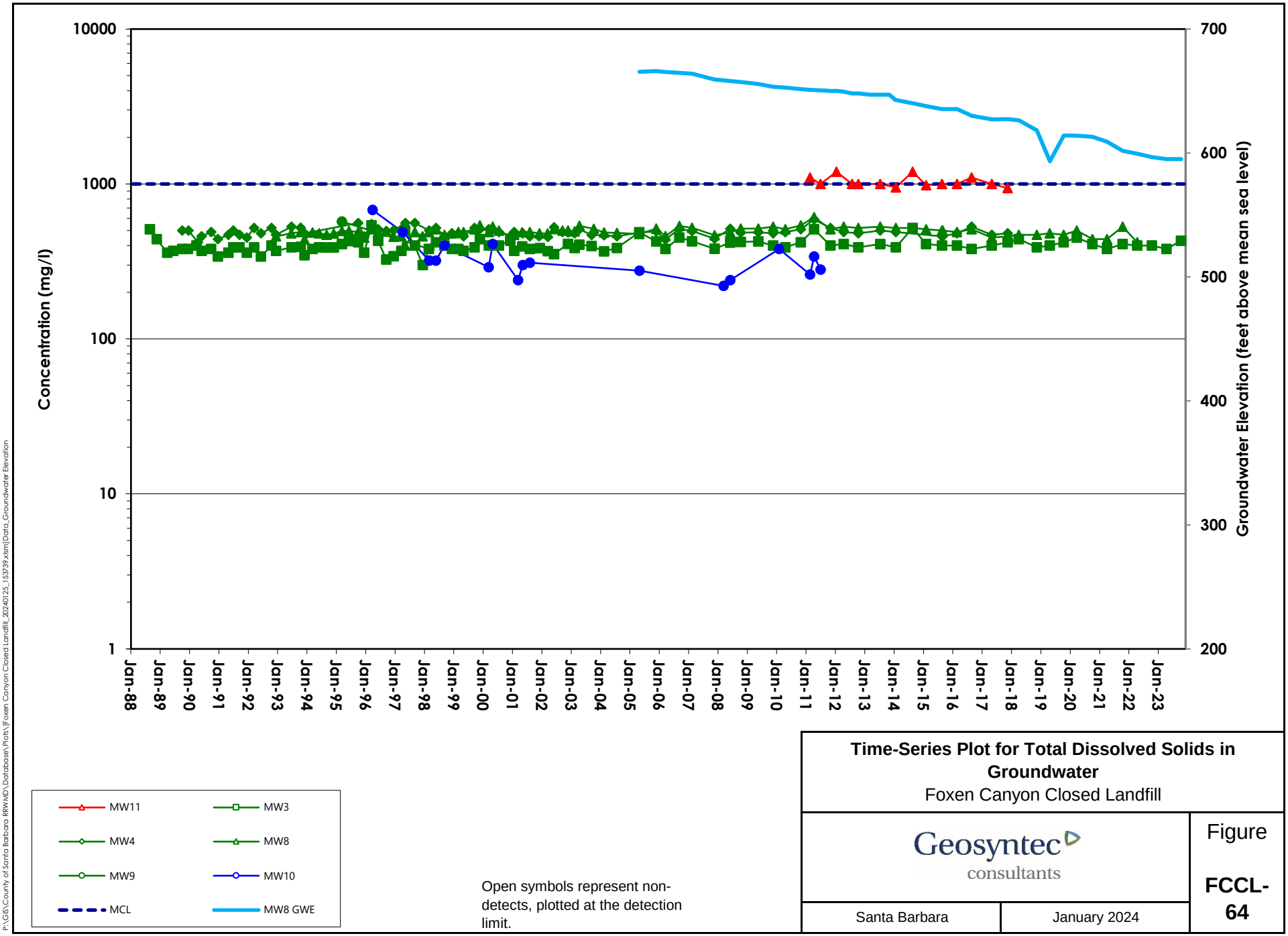
Figure
FCCL-63



Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Total Dissolved Solids in Groundwater
Foxen Canyon Closed Landfill

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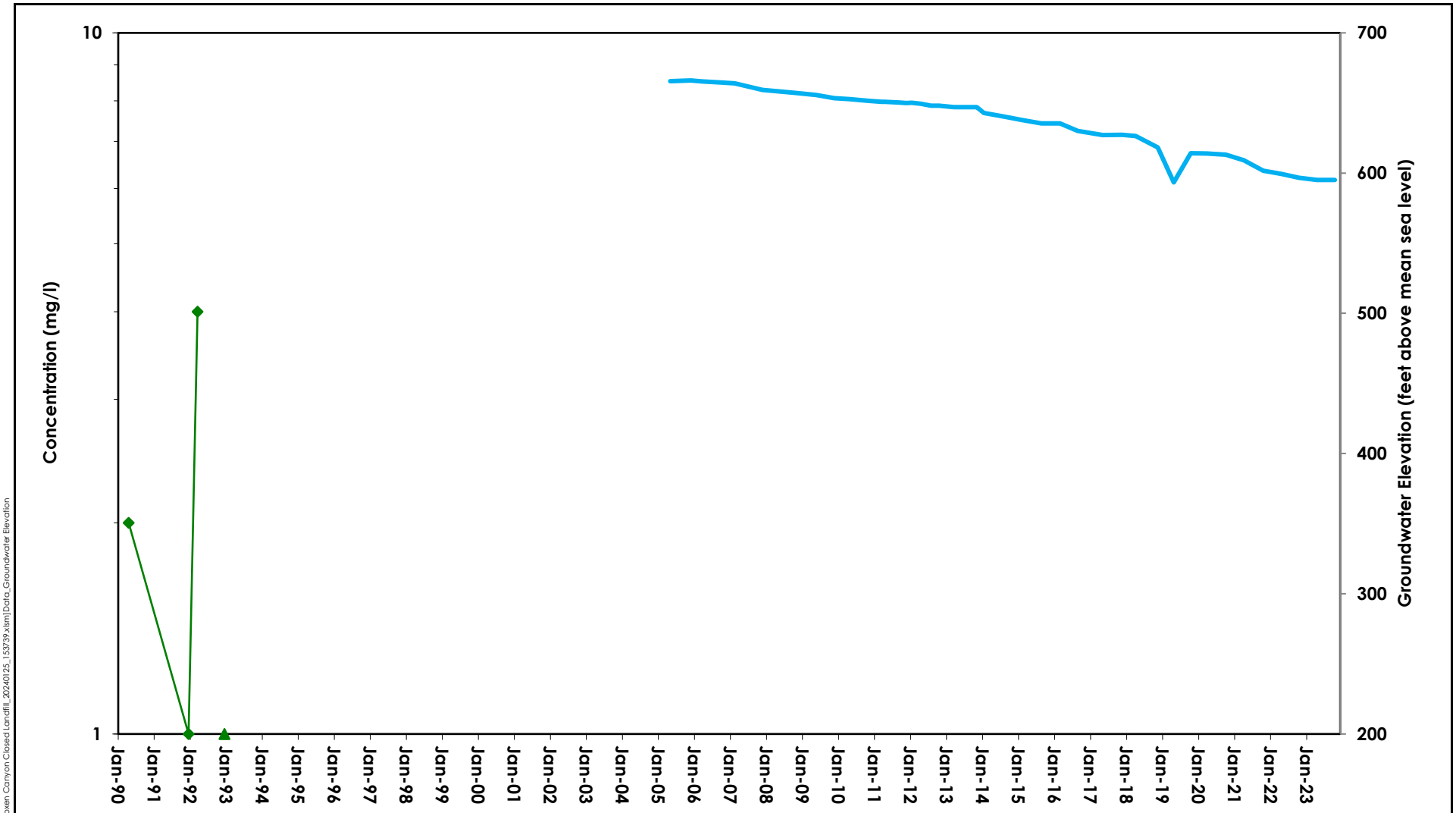
Santa Barbara | January 2024

Figure **FCCL-64**

P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation



P:\GIS\County of Santa Barbara RRWMD\Database\Plots\[Foxen Canyon Closed Landfill_20240125_153739.xlsm]Data_Groundwater Elevation

Open symbols represent non-detects, plotted at the detection limit.

Time-Series Plot for Total Organic Carbon in Groundwater
Foxen Canyon Closed Landfill

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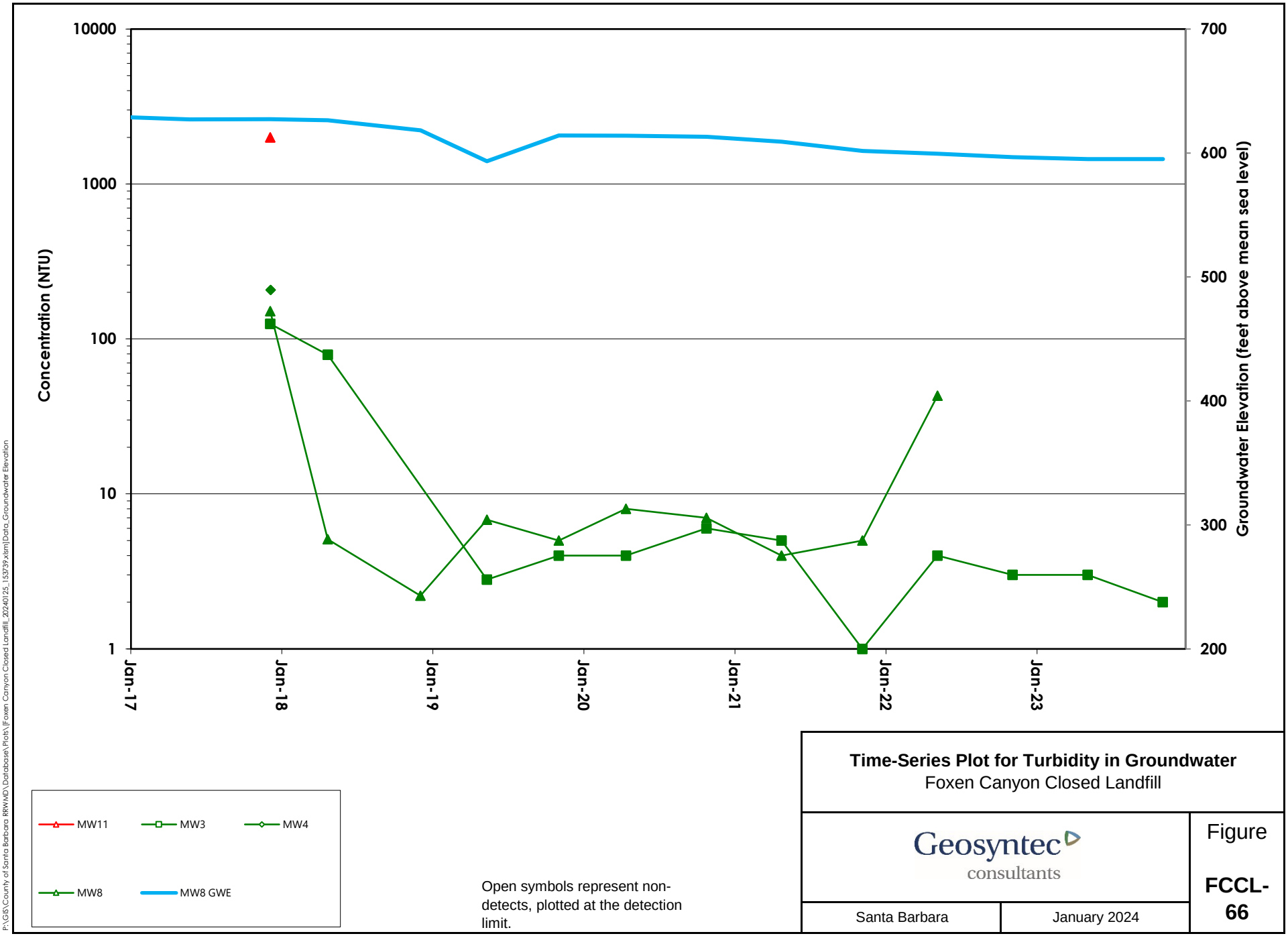
Santa Barbara | January 2024

Figure **FCCL-65**



Time-Series Plot for Turbidity in Groundwater
Foxen Canyon Closed Landfill

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Figure
FCCL-66

APPENDIX F

STATISTICAL ANALYSES

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STATISTICAL ANALYSES OF INORGANIC CONSTITUENTS FOXEN CANYON CLOSED LANDFILL SANTA BARBARA COUNTY, CALIFORNIA

1. General

In accordance with Monitoring and Reporting Program (M&RP) R3-2007-0027, statistical analysis is conducted to develop concentration limits for seven inorganic constituents, (barium (dissolved), chemical oxygen demand (COD), chloride, nitrate (as nitrogen), sodium, sulfate, and total dissolved solids (TDS), in five groundwater monitoring wells (MW3, MW4, MW8, MW9R, and MW10) at the Foxen Canyon Closed Landfill. It should be noted that groundwater data for the current monitoring period is not available for monitoring Wells MW4, MW8, MW9R, and MW10 because these wells have been reported to be dry. Statistical analysis was conducted using the computer program Sanitas™ which is approved by the California State Water Resources Control Board (SWRCB) to perform statistical analyses of groundwater chemical data for landfills.

Historical groundwater data indicate that the groundwater upgradient of the landfill contains higher concentrations of some inorganic constituents than groundwater downgradient of the landfill. The selection of intrawell statistical analysis is appropriate for the landfill because there is evidence of spatial variation across the landfill due to naturally occurring variation in groundwater quality. Intrawell statistical analysis is based on several assumptions regarding the background data which are described in Section 3. Prediction Limits are used to statistically analyze the inorganic constituents and develop concentration limits for each monitoring parameter/well pair. Groundwater data collected on a semi-annual basis are analyzed in the laboratory for the seven inorganic constituents and compared to the concentration limit for each monitoring parameter/well pair to identify if there is a statistical indication that a release from the landfill has occurred. When an exceedance of a concentration limit occurs, other factors must be evaluated to determine if the statistical exceedance is a true indication of a release from the landfill. These factors include groundwater quality in the region, comparison of upgradient and downgradient groundwater quality, site hydrogeology and geochemistry, and the status of other landfill monitoring systems.

The remainder of this report presents a description of data compilation methods, identification of outliers, trend testing, selection of background and compliance data, and the intrawell statistical analyses methods used to develop concentration limits for each

monitoring parameter/well pair. The statistical results are presented at the end of this report, as follows:

- Time series concentration data and plots for the inorganic constituents specified in M&RP No. R3-2007-0027 (Appendix A); and
- Prediction Limit intrawell statistical method data tables and graphs for the inorganic constituents, presented by monitoring well (Appendix B).

2. Available Data

Inorganic constituent data dating back to 2007 are used for statistical analyses. The available data for each well include the background and compliance data, as summarized in Table 1. Time series plots and concentration data tables for barium (dissolved), COD, chloride, nitrate (as nitrogen), sodium, sulfate, and TDS are included in Appendix A.

3. Background Data Screening

Use of intrawell statistical analysis for the evaluation of statistically significant changes in groundwater chemistry is based on certain assumptions about the background and compliance data, specific for each well. These assumptions include:

- A minimum of eight background data points;
- Statistically independent background and compliance sample data;
- Identification and removal of statistical outliers;
- Stationary background data (no statistically significant upward or downward trend); and
- Deseasonalization of background data exhibiting seasonal trends.

Each of these assumptions is further described below in Sections 3.1 through 3.5.

3.1 Minimum Baseline Dataset

Groundwater data for the Foxen Canyon Landfill for the period 2007 through 2021 was used to construct concentration limits. The number of historical background sampling events conducted at the site for each of the groundwater monitoring wells exceeds the minimum requirement of eight background data points.

3.2 Statistical Independence

The Unified Guidance recommends a quarterly sampling frequency or less (e.g., semi-annual, annual, etc.) to achieve statistical independence between consecutive samples collected from each groundwater monitoring well. Since 2007, groundwater has been sampled on a semi-annual basis, satisfying the recommended sampling frequency to achieve statistical independence.

3.3 Outliers

Outliers are data that are judged to be unusable due to reservations regarding their accuracy. Outliers can be caused by, among other factors, sampling errors, laboratory errors, or data entry errors. Suspected outliers are tested and identified using the 1989 EPA Outlier test. When statistical outliers are determined to be erroneous using professional judgment, the values are flagged with "O" and excluded from the statistical analysis. These outliers are listed in Table 1 but excluded from the statistical plots.

3.4 Stationary Background Data

After removing the identified outliers from each well's statistical dataset, trend testing is conducted on the background data from each well using the Sen's Slope/Mann Kendall trend test. Monitoring parameter/well pair background datasets that exhibit statistically significant increasing trends are further evaluated to determine if earlier concentration levels are no longer representative of current groundwater quality. Historical data that is causing the trend is flagged with "T" and excluded from the background statistical dataset prior to constructing the well-specific concentration limits.

3.5 Seasonality

Seasonality cannot be formally tested until there are at least four data points for each season (corresponding to fall, winter, spring and summer seasons). Datasets that have a sufficient number of data points and exhibit seasonal trends are tested using the Kruskal-Wallis seasonality test, and then deseasonalized if possible, using statistical transformations prior to constructing the well-specific concentration limits. The existence of seasonal trends in each monitoring parameter/well pair dataset and the corresponding data deseasonalization are indicated on the statistical analysis graphs presented in Appendix B.

4. Background Data Update

The background dataset is updated for each monitoring parameter/well pair when four new compliance data points have been collected in accordance with recommendations

provided in the Unified Guidance. Prior to updating the background dataset, the new compliance data for each monitoring parameter/well pair are statistically analyzed to determine if they are from the same statistical population as the existing background data. Following a background data update, the dataset for each monitoring parameter/well pair is re-evaluated for outliers, trends, and seasonality.

5. Intrawell Statistical Methodology

A key assumption for the Parametric Prediction Limit statistical analysis is that the population of data is normally distributed. The Sanitas™ program uses several data transformation methods (such as log, square, and cube root) to attempt to normalize data. The transformation for each dataset, if used, is indicated on the statistical chart included in Appendix B. If none of the Sanitas™ transformations can adequately normalize the data, the data are statistically analyzed using the Non-parametric Prediction Limit method. The results of the normality tests are indicated in Table 1.

For normalized data, the Parametric Prediction Limit is an upper statistical limit constructed based on the mean and standard deviation of the background data. If the data are unable to be normalized, the Non-parametric Prediction Limit method is used to construct the concentration limit. The Non-parametric Prediction Limit is based on the highest value from the background data for non-normally distributed data.

For each monitoring parameter/well pair, the applicable intrawell Prediction Limit charts are included in Appendix B.

6. Statistical Analysis Results

Groundwater samples were collected from well MW3 during the fourth quarter of 2023. The other monitored wells were reported to be dry (MW4, MW9R, and MW10) or had insufficient water levels (MW8) and groundwater samples were not collected. Statistically significant increasing trends were not identified in well MW3 for the background data sets which include data collected through May 2023. Concentration limits were developed with the background data sets using the intrawell Prediction Limit analysis described in Section 5. The concentration limits for each monitoring parameter/well pair are included in Table 1. The monitored inorganic parameters were below their respective concentration limits in well MW3 in November 2023.

TABLE

TABLE 1
SUMMARY OF STATISTICAL BACKGROUND AND COMPLIANCE DATA SETS FOR INORGANIC CONSTITUENTS
FOXEN CANYON LANDFILL
SANTA BARBARA COUNTY, CALIFORNIA

Well	Well Location	Inorganic Parameter	Background Data Time Period	Number of Background Data Points	Compliance Data Time Period	Number of Compliance Data Points	Outliers	Normality of Data Distribution	Concentration Limit (mg/L)	Statistical Exceedance?
MW3	Cross-gradient	Barium	12/07 – 5/23	28	11/23	1	12/5/17 (0.26), 4/23/18 (0.58), 05/14/19 (0.22)	Normal	0.1038	No
		COD	12/07 – 5/23	28	11/23	1	9/8/14 (100)	Not Normal	65.04	No
		Chloride	12/07 – 5/23	30	11/23	1	None	Normal	66.69	No
		Nitrate as N	12/09 – 5/23	27	11/23	1	None	Normal	3.394	No
		Sodium	12/07 – 5/23	27	11/23	1	None	Normal	48.91	No
		Sulfate	11/11 – 5/23	23	11/23	1	None	Normal	20.5	No
		TDS	12/07 – 5/23	29	11/23	1	None	Not Normal	520	No
MW8	Downgradient	Barium	12/07 – 4/21	24	11/21 - 5/22	2	12/5/17 (0.25), 4/23/18 (0.55), 05/14/19 (0.22)	Normal	0.1183	NS
		COD	12/07 – 4/21	25	11/21 - 5/22	2	None	Not Normal	13	NS
		Chloride	10/08 – 4/21	25	11/21 - 5/22	2	12/4/07 (13)	Normal	31.52	NS
		Nitrate as N	11/10 – 4/21	20	11/21 - 5/22	2	12/5/17 (0.11)	Normal	1.578	NS
		Sodium	12/07 – 4/21	23	11/21 - 5/22	2	None	Normal	50.23	NS
		Sulfate	10/08 – 4/20	23	11/21 - 5/22	2	12/4/07 (41), 10/27/20 (56), 4/27/21 (70)	Not Normal	110	NS
		TDS	12/07 – 4/21	25	11/21 - 5/22	2	None	Normal	593	NS

NS – Not Sampled due to insufficient water levels in the monitoring well.

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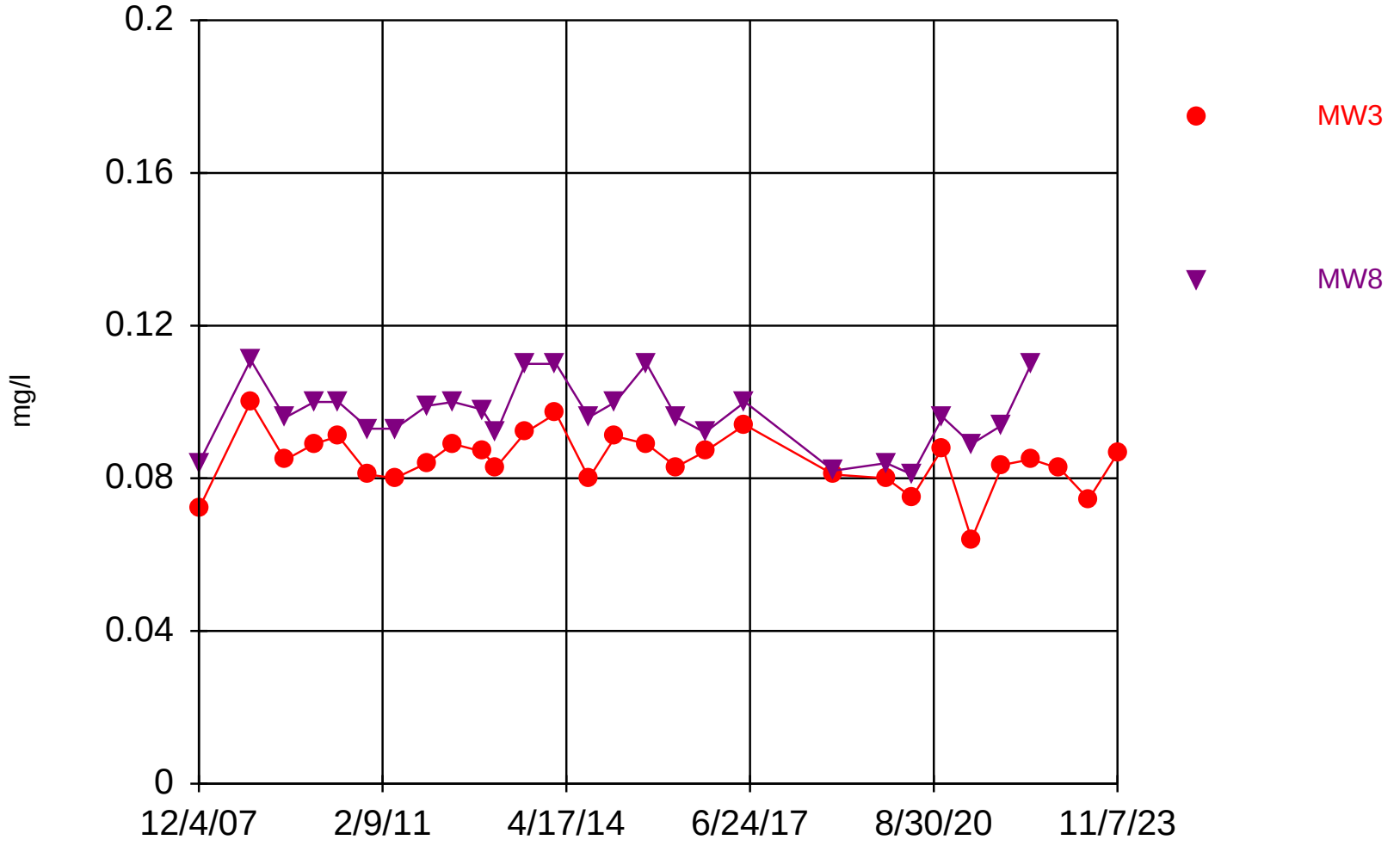
APPENDIX A

TIMESERIES PLOTS

Time Series



Constituent: Barium Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Time Series

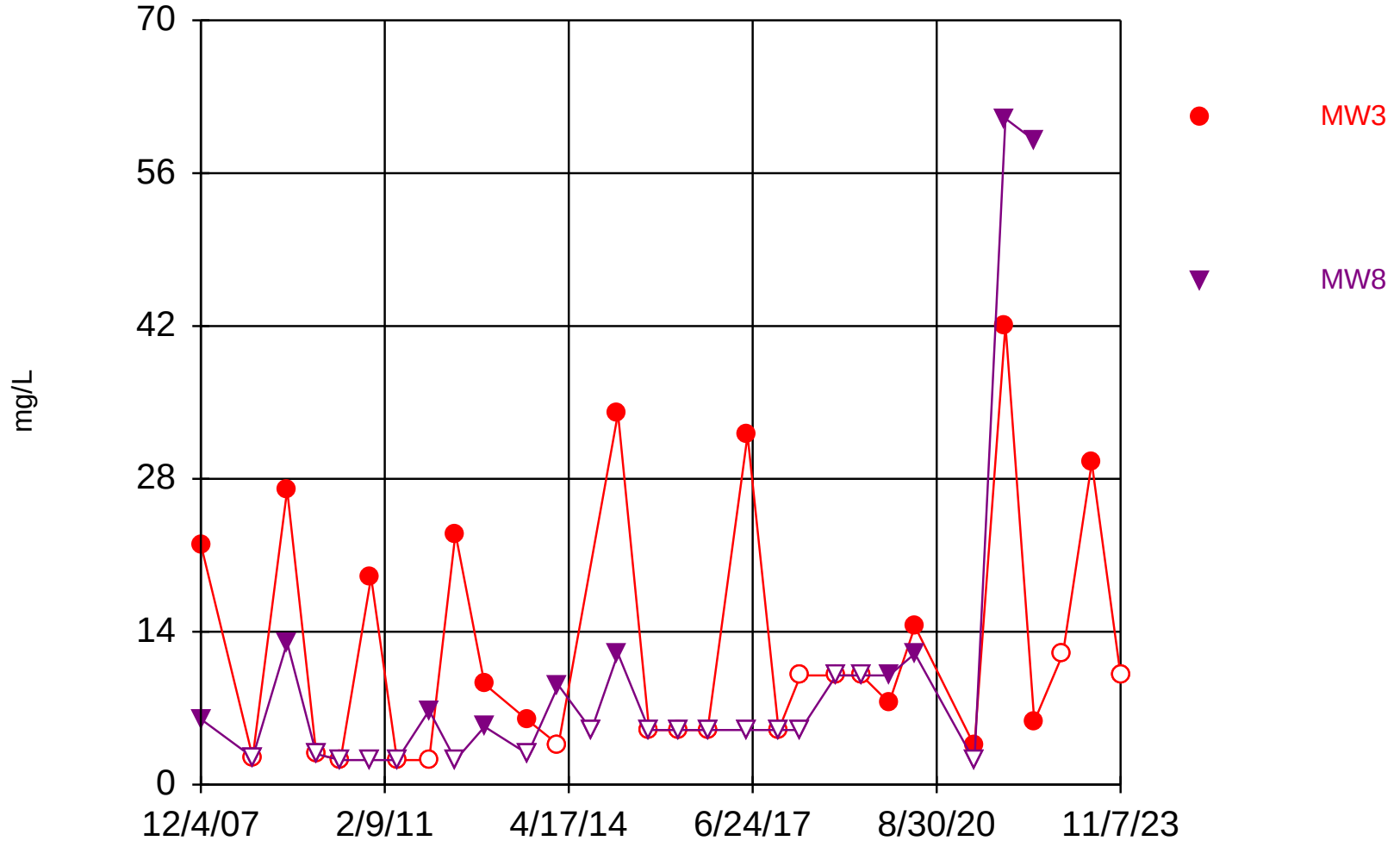
Constituent: Barium (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/4/2007	0.072	0.084
10/27/2008	0.1	0.111
6/2/2009	0.0848	0.0959
12/3/2009	0.089	0.1
5/5/2010	0.091	0.1
11/15/2010	0.081	0.093
4/28/2011	0.08	0.093
11/17/2011	0.084	0.099
5/1/2012	0.089	0.1
11/1/2012	0.087	0.098
1/30/2013	0.083	0.092
8/1/2013	0.092	0.11
2/12/2014	0.097	0.11
9/8/2014	0.08	0.096
2/23/2015	0.091	0.1
9/8/2015	0.089	0.11
3/15/2016	0.083	0.096
9/12/2016	0.087	0.092
5/23/2017	0.094	0.1
12/4/2018	0.081	0.082
11/4/2019	0.08	0.084
4/15/2020	0.075	0.081
10/27/2020	0.088 (D)	0.096
4/27/2021	0.064 (D)	0.089
11/9/2021	0.0835 (D)	0.094
5/10/2022	0.085	0.11 (D)
11/8/2022	0.0825 (D)	
5/9/2023	0.0745 (D)	
11/7/2023	0.0865 (D)	

Hollow symbols indicate censored values.

Time Series



Constituent: Chemical Oxygen Demand Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

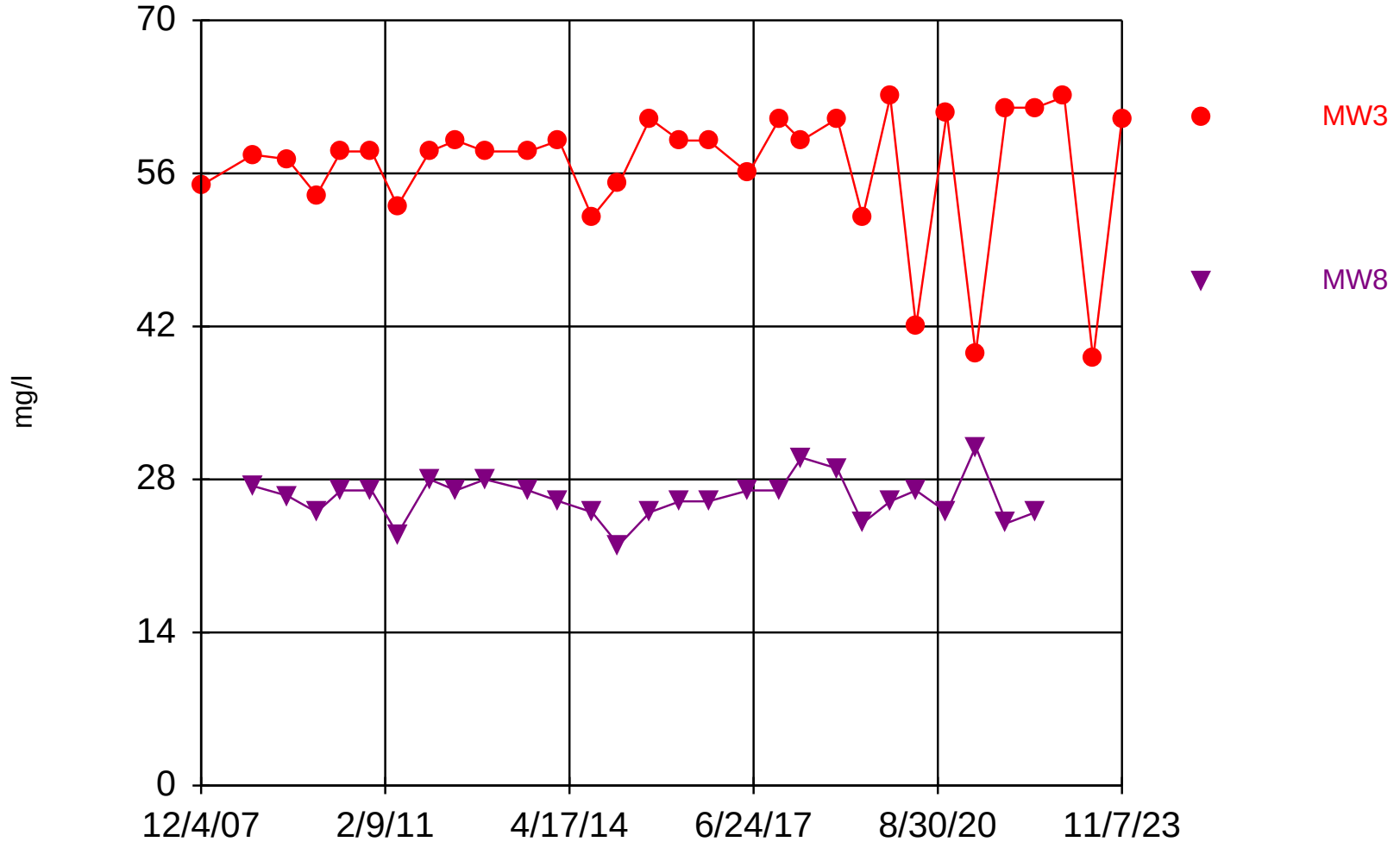
Time Series

Constituent: Chemical Oxygen Demand (mg/L) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/4/2007	22	6
10/27/2008	<5	<5
6/2/2009	27	13
12/3/2009	<5.6	<5.6
5/5/2010	<4.5	<4.5
11/15/2010	19	<4.5
4/28/2011	<4.5	<4.5
11/17/2011	<4.5	6.8
5/1/2012	23	<4.5
11/1/2012	9.2	5.3
8/1/2013	5.9	<5.6
2/12/2014	<7.3	9.1
9/8/2014		<10
2/23/2015	34	12 (J)
9/8/2015	<10	<10
3/15/2016	<10	<10
9/12/2016	<10	<10
5/23/2017	32	<10
12/5/2017	<10	<10
4/23/2018	<20	<10
12/4/2018	<20	<20
5/14/2019	<20	<20
11/4/2019	7.5 (JD)	10 (J)
4/15/2020	14.5 (JD)	12 (J)
4/27/2021	3.55 (JD)	<4.3
11/9/2021	42.1 (D)	61
5/10/2022	5.8 (J)	59 (D)
11/8/2022	<4.3+25+12 (D)	
5/9/2023	29.5 (D)	
11/7/2023	<20 (D)	

Time Series



Constituent: Chloride Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Time Series

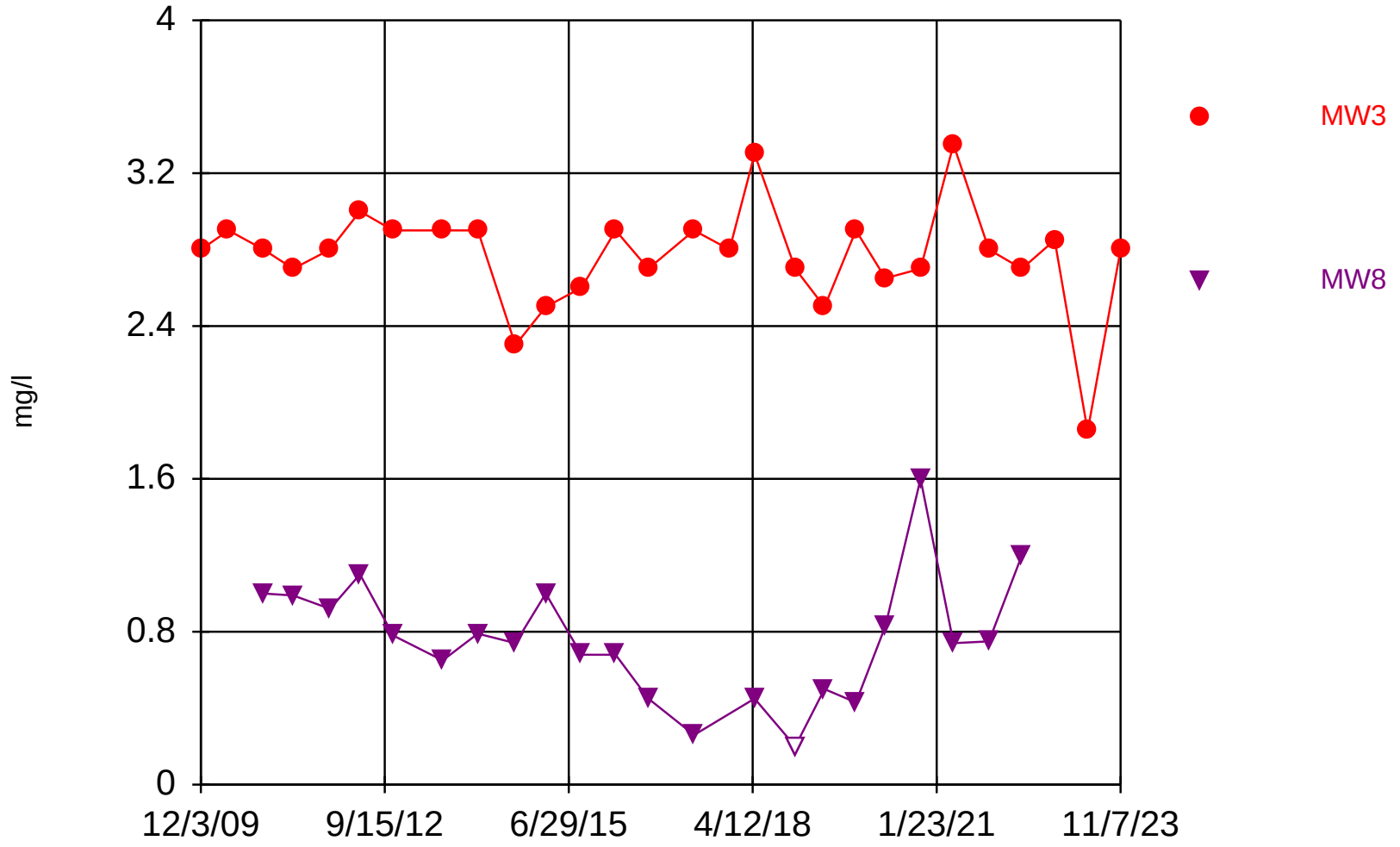
Constituent: Chloride (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/4/2007	54.9	
10/27/2008	57.7	27.4
6/2/2009	57.3	26.5
12/3/2009	54	25
5/5/2010	58	27
11/15/2010	58	27
4/28/2011	53	23
11/17/2011	58	28
5/1/2012	59	27
11/1/2012	58	28
8/1/2013	58	27
2/12/2014	59	26
9/8/2014	52	25
2/23/2015	55	22
9/8/2015	61	25
3/15/2016	59	26
9/12/2016	59	26
5/23/2017	56	27
12/5/2017	61	27
4/23/2018	59	30
12/4/2018	61	29
5/14/2019	52	24
11/4/2019	63	26
4/15/2020	42 (D)	27
10/27/2020	61.5 (D)	25
4/27/2021	39.5 (D)	31
11/9/2021	62 (D)	24
5/10/2022	62	25 (D)
11/8/2022	63 (D)	
5/9/2023	39 (D)	
11/7/2023	61 (D)	

Hollow symbols indicate censored values.

Time Series



Constituent: Nitrate [as N] Analysis Run 1/23/2024 3:47 PM

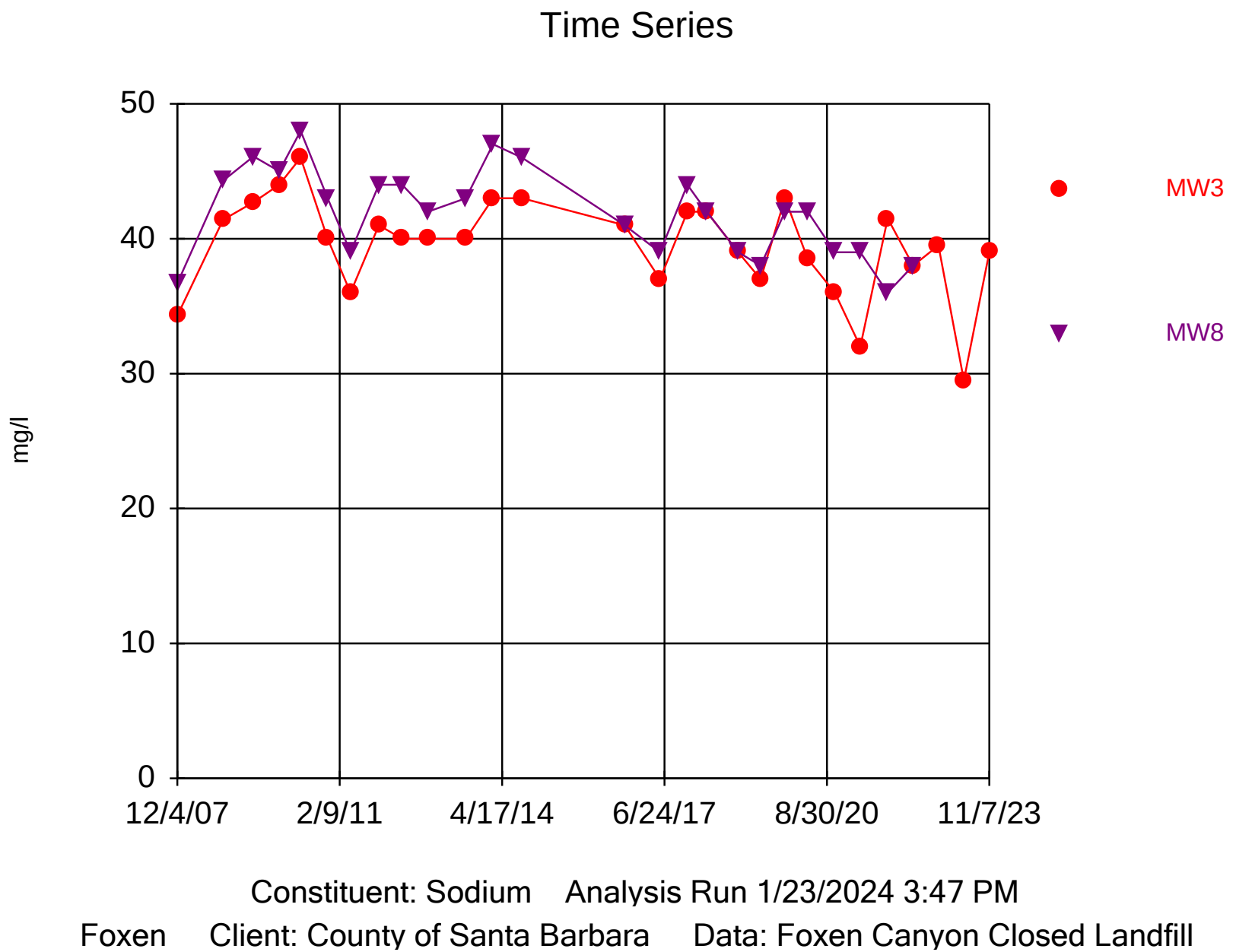
Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Time Series

Constituent: Nitrate [as N] (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/3/2009	2.8	
5/5/2010	2.9	
11/15/2010	2.8	1
4/28/2011	2.7	0.99
11/17/2011	2.8	0.92
5/1/2012	3	1.1
11/1/2012	2.9	0.78
8/1/2013	2.9	0.65
2/12/2014	2.9	0.79
9/8/2014	2.3	0.74
2/23/2015	2.5	1
9/8/2015	2.6	0.68
3/15/2016	2.9	0.68
9/12/2016	2.7	0.45
5/23/2017	2.9	0.26 (J)
12/5/2017	2.8	
4/23/2018	3.3	0.45
12/4/2018	2.7	<0.4
5/14/2019	2.5	0.5
11/4/2019	2.9	0.43
4/15/2020	2.65 (D)	0.83
10/27/2020	2.7 (D)	1.6
4/27/2021	3.35 (D)	0.74
11/9/2021	2.8 (D)	0.75
5/10/2022	2.7	1.2 (D)
11/8/2022	2.85 (D)	
5/9/2023	1.85 (D)	
11/7/2023	2.8 (D)	



Constituent: Sodium Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

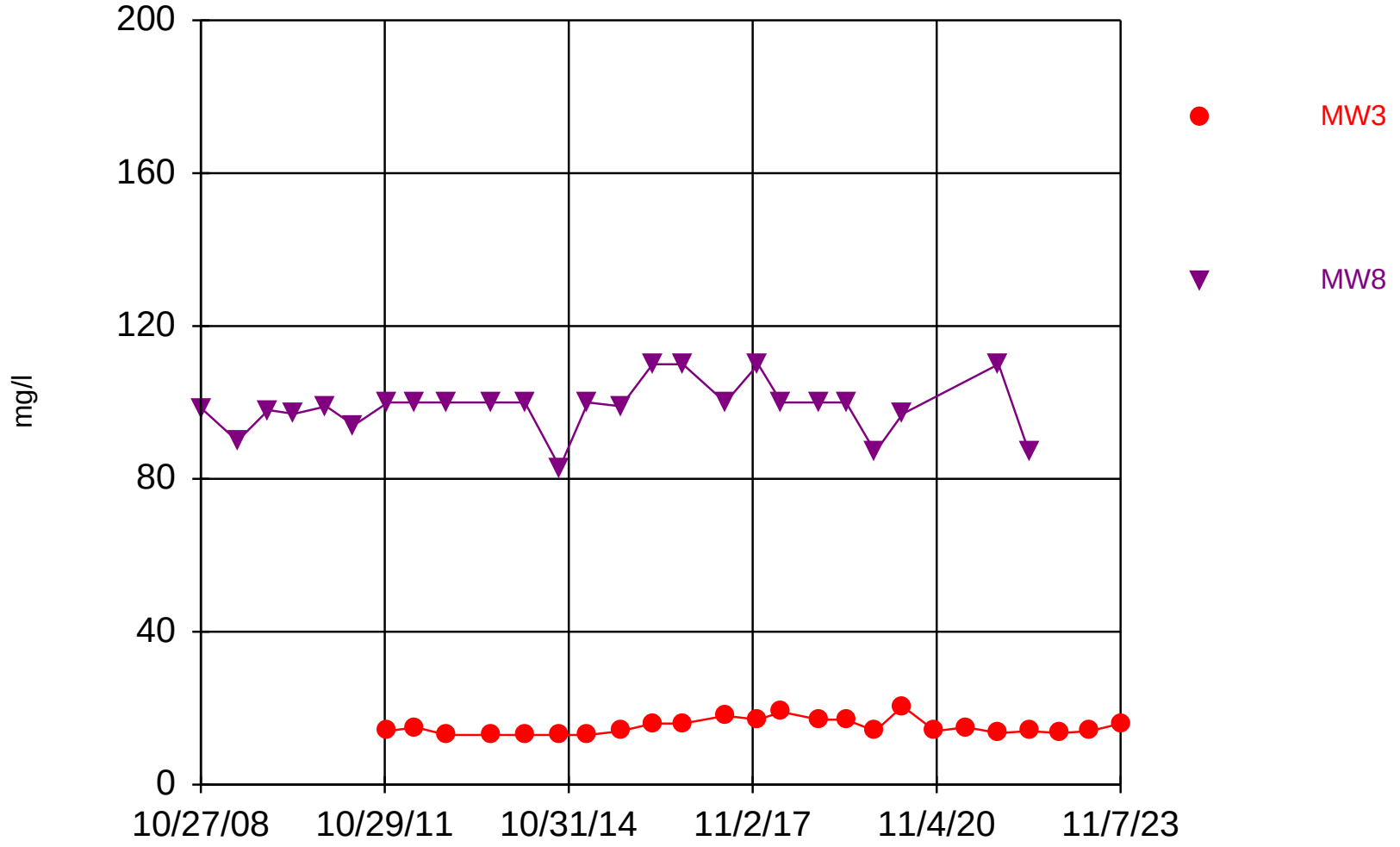
Time Series

Constituent: Sodium (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/4/2007	34.3	36.7
10/27/2008	41.4	44.3
6/2/2009	42.7	46.1
12/3/2009	44	45
5/5/2010	46	48
11/15/2010	40	43
4/28/2011	36	39
11/17/2011	41	44
5/1/2012	40	44
11/1/2012	40	42
8/1/2013	40	43
2/12/2014	43	47
9/8/2014	43	46
9/12/2016	41	41
5/23/2017	37	39
12/5/2017	42	44
4/23/2018	42	42
12/4/2018	39	39
5/14/2019	37	38
11/4/2019	43	42
4/15/2020	38.5 (D)	42
10/27/2020	36 (D)	39
4/27/2021	32 (D)	39
11/9/2021	41.5 (D)	36
5/10/2022	38	38 (D)
11/8/2022	39.5 (D)	
5/9/2023	29.5 (D)	
11/7/2023	39 (D)	

Time Series



Constituent: Sulfate Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

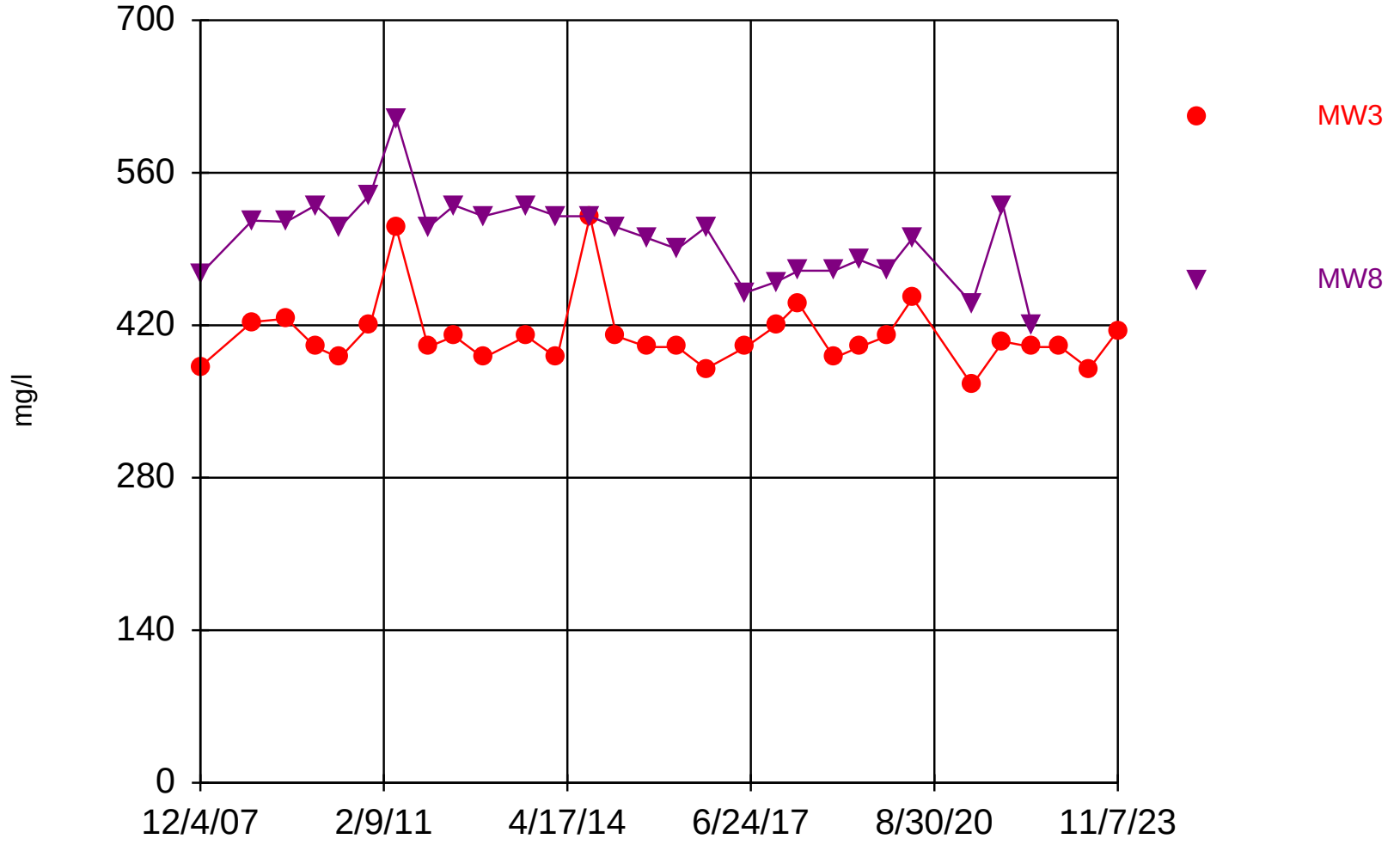
Time Series

Constituent: Sulfate (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
10/27/2008		98.6
6/2/2009		89.9
12/3/2009		98
5/5/2010		97
11/15/2010		99
4/28/2011		94
11/17/2011	14	100
5/1/2012	15	100
11/1/2012	13	100
8/1/2013	13	100
2/12/2014	13	100
9/8/2014	13	83
2/23/2015	13	100
9/8/2015	14	99
3/15/2016	16	110
9/12/2016	16	110
5/23/2017	18	100
12/5/2017	17	110
4/23/2018	19	100
12/4/2018	17	100
5/14/2019	17	100
11/4/2019	14	87
4/15/2020	20.5 (D)	97
10/27/2020	14 (D)	
4/27/2021	15 (D)	
11/9/2021	13.5 (D)	110
5/10/2022	14	87 (D)
11/8/2022	13.5 (D)	
5/9/2023	14 (D)	
11/7/2023	16 (D)	

Time Series



Constituent: Total Dissolved Solids Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Time Series

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/23/2024 3:47 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW8
12/4/2007	382	467
10/27/2008	423	516
6/2/2009	426	515
12/3/2009	400	530
5/5/2010	390	510
11/15/2010	420	540
4/28/2011	510	610
11/17/2011	400	510
5/1/2012	410	530
11/1/2012	390	520
8/1/2013	410	530
2/12/2014	390	520
9/8/2014	520	520
2/23/2015	410	510
9/8/2015	400	500
3/15/2016	400	490
9/12/2016	380	510
5/23/2017	400	450
12/5/2017	420	460
4/23/2018	440	470
12/4/2018	390	470
5/14/2019	400	480
11/4/2019	410	470
4/15/2020	445 (D)	500
4/27/2021	365 (D)	440
11/9/2021	405 (D)	530
5/10/2022	400	420 (D)
11/8/2022	400 (D)	
5/9/2023	380 (D)	
11/7/2023	415 (D)	

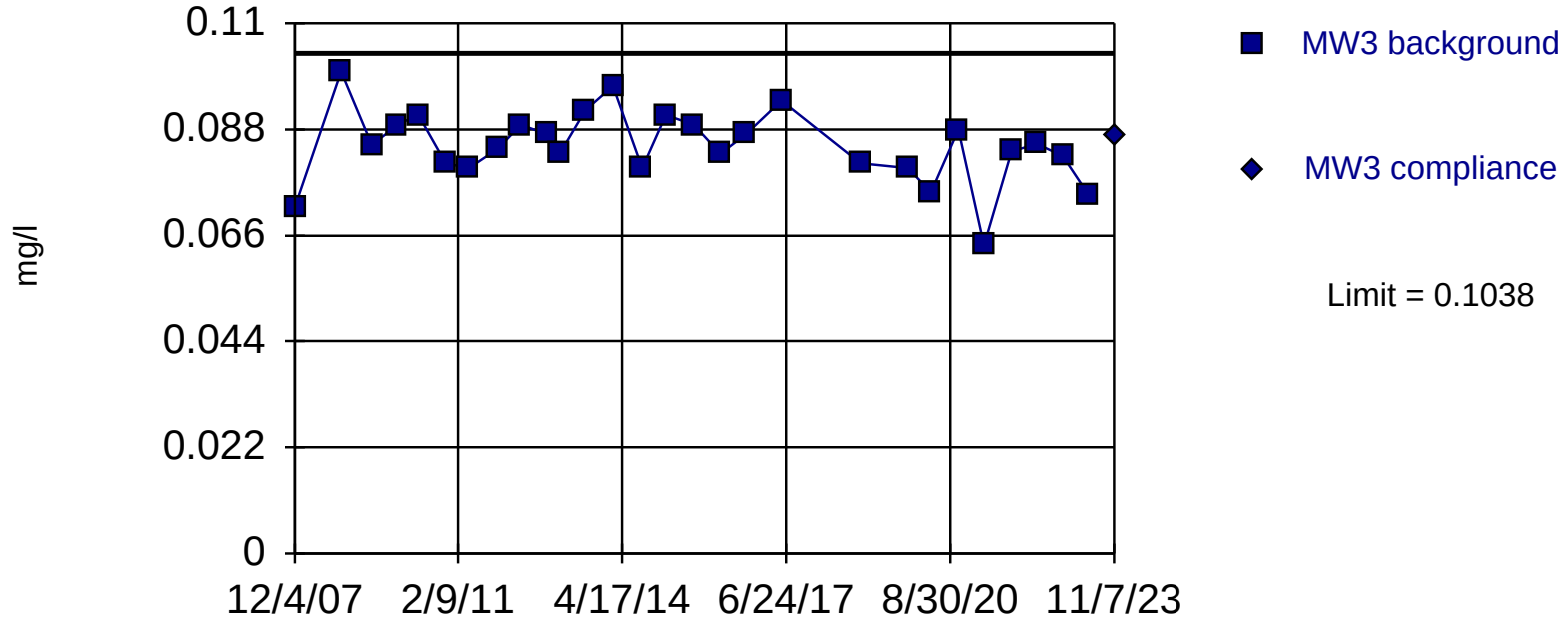
Geosyntec consultants

APPENDIX B

STATISTICAL ANALYSIS CHARTS

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.08455, Std. Dev.=0.007638, n=28. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9773, critical = 0.896. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Barium Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

Constituent: Barium (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/4/2007	0.072	
10/27/2008	0.1	
6/2/2009	0.0848	
12/3/2009	0.089	
5/5/2010	0.091	
11/15/2010	0.081	
4/28/2011	0.08	
11/17/2011	0.084	
5/1/2012	0.089	
11/1/2012	0.087	
1/30/2013	0.083	
8/1/2013	0.092	
2/12/2014	0.097	
9/8/2014	0.08	
2/23/2015	0.091	
9/8/2015	0.089	
3/15/2016	0.083	
9/12/2016	0.087	
5/23/2017	0.094	
12/4/2018	0.081	
11/4/2019	0.08	
4/15/2020	0.075	
10/27/2020	0.088 (D)	
4/27/2021	0.064 (D)	
11/9/2021	0.0835 (D)	
5/10/2022	0.085	
11/8/2022	0.0825 (D)	
5/9/2023	0.0745 (D)	
11/7/2023		0.0865 (D)

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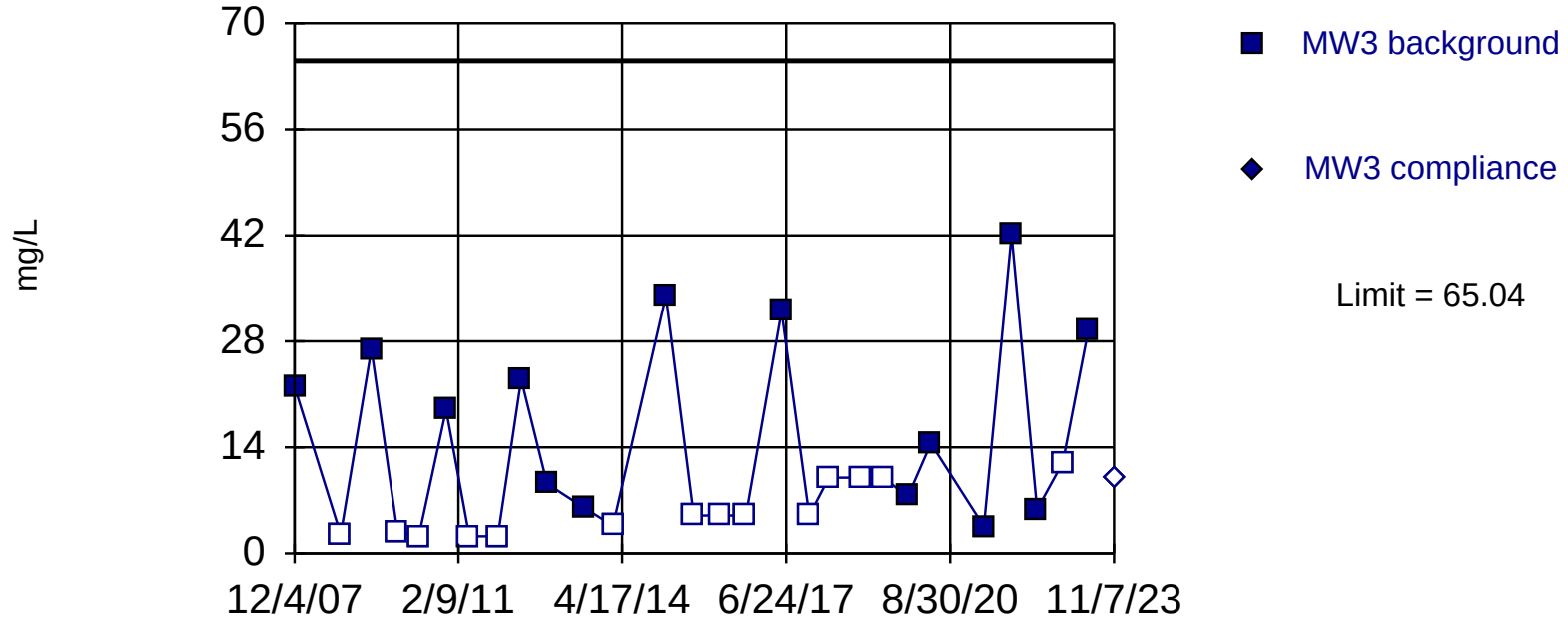
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation) (after Aitchison`s Adjustment): Mean=2.098, Std. Dev.=2.371, n=28, 50% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.896. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chemical Oxygen Demand Analysis Run 1/23/2024 3:45 PM
Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

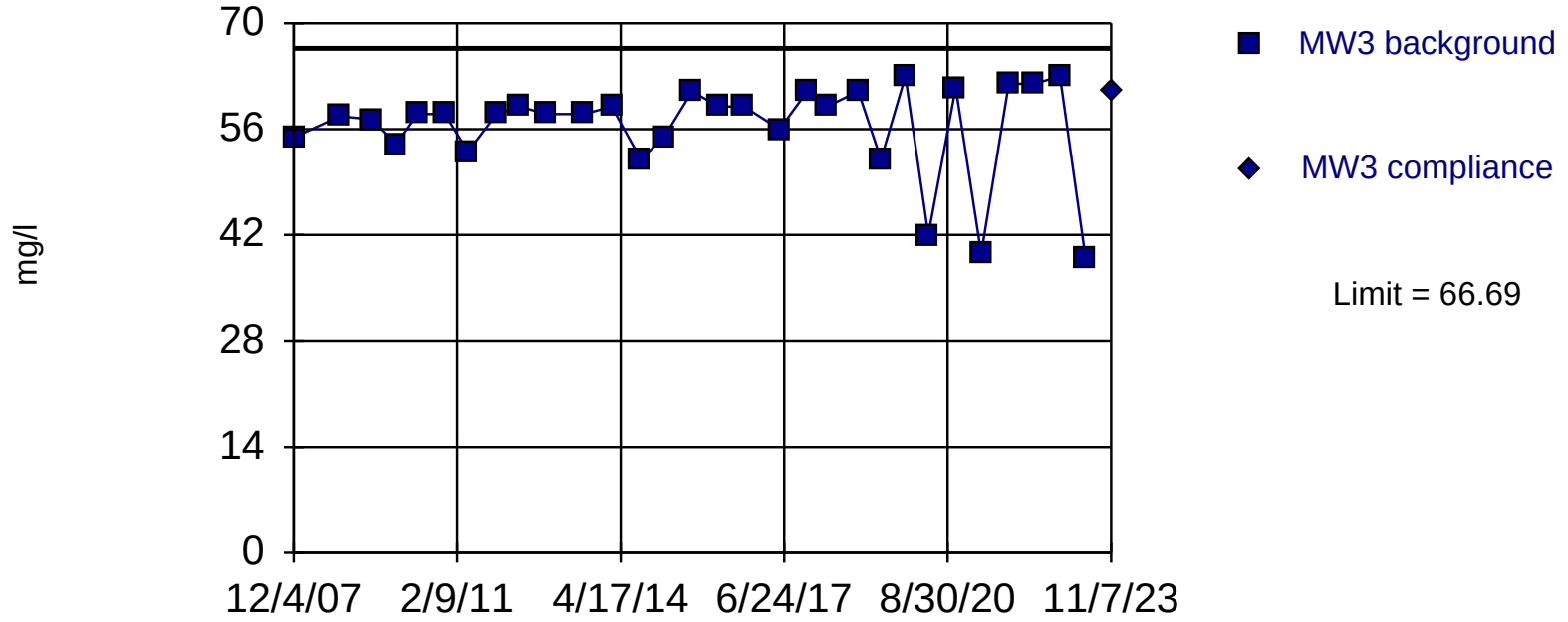
Constituent: Chemical Oxygen Demand (mg/L) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/4/2007	22	
10/27/2008	<5	
6/2/2009	27	
12/3/2009	<5.6	
5/5/2010	<4.5	
11/15/2010	19	
4/28/2011	<4.5	
11/17/2011	<4.5	
5/1/2012	23	
11/1/2012	9.2	
8/1/2013	5.9	
2/12/2014	<7.3	
2/23/2015	34	
9/8/2015	<10	
3/15/2016	<10	
9/12/2016	<10	
5/23/2017	32	
12/5/2017	<10	
4/23/2018	<20	
12/4/2018	<20	
5/14/2019	<20	
11/4/2019	7.5 (JD)	
4/15/2020	14.5 (JD)	
4/27/2021	3.55 (JD)	
11/9/2021	42.1 (D)	
5/10/2022	5.8 (J)	
11/8/2022	<4.3+25+12 (D)	
5/9/2023	29.5 (D)	
11/7/2023		<20 (D)

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=1.1e7, Std. Dev.=3603861, n=30. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9029, critical = 0.9. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

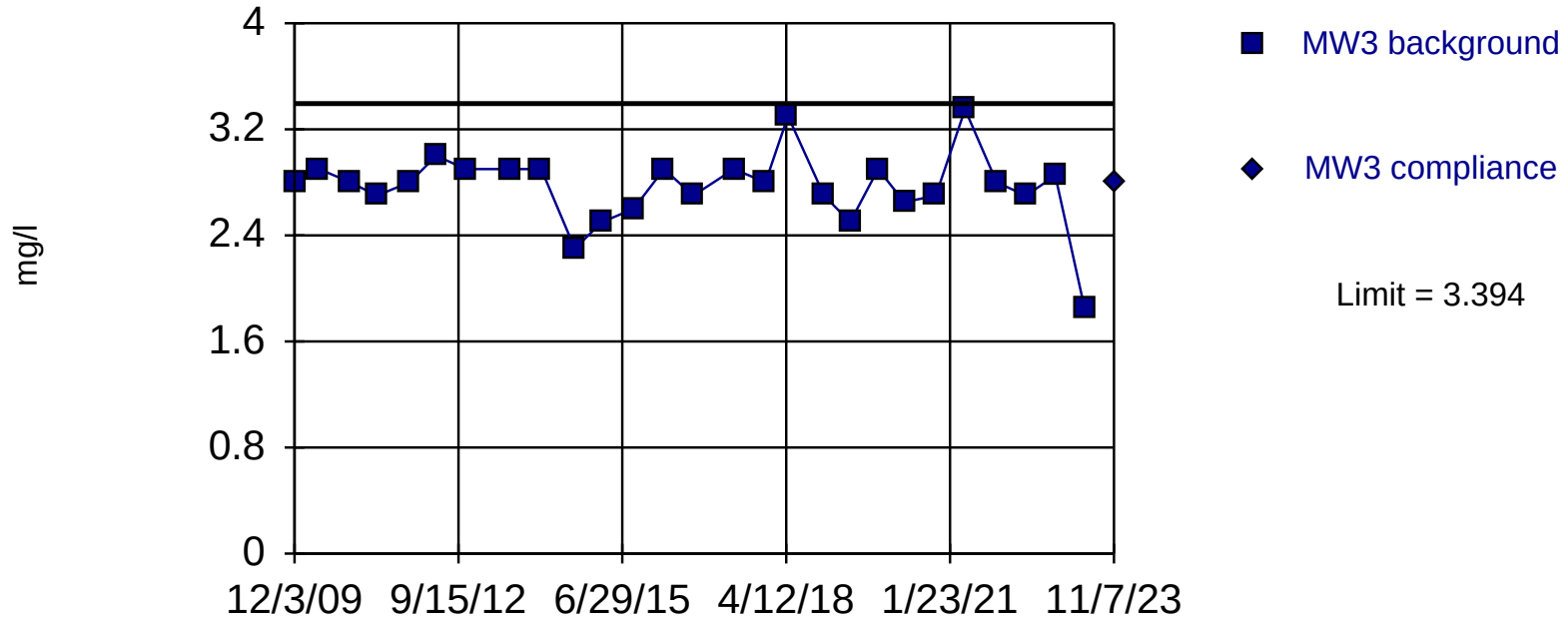
Constituent: Chloride (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/4/2007	54.9	
10/27/2008	57.7	
6/2/2009	57.3	
12/3/2009	54	
5/5/2010	58	
11/15/2010	58	
4/28/2011	53	
11/17/2011	58	
5/1/2012	59	
11/1/2012	58	
8/1/2013	58	
2/12/2014	59	
9/8/2014	52	
2/23/2015	55	
9/8/2015	61	
3/15/2016	59	
9/12/2016	59	
5/23/2017	56	
12/5/2017	61	
4/23/2018	59	
12/4/2018	61	
5/14/2019	52	
11/4/2019	63	
4/15/2020	42 (D)	
10/27/2020	61.5 (D)	
4/27/2021	39.5 (D)	
11/9/2021	62 (D)	
5/10/2022	62	
11/8/2022	63 (D)	
5/9/2023	39 (D)	
11/7/2023		61 (D)

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=7.731, Std. Dev.=1.501, n=27. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9066, critical = 0.894. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate [as N] Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

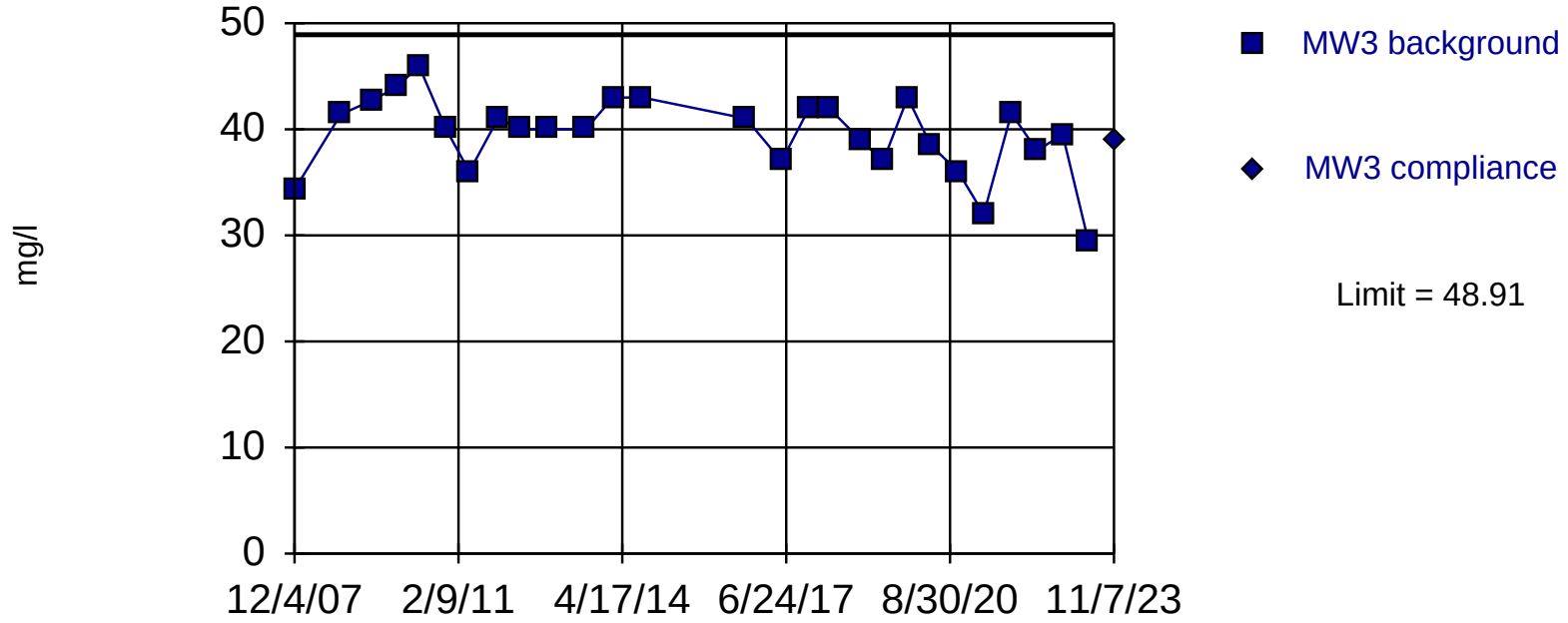
Constituent: Nitrate [as N] (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/3/2009	2.8	
5/5/2010	2.9	
11/15/2010	2.8	
4/28/2011	2.7	
11/17/2011	2.8	
5/1/2012	3	
11/1/2012	2.9	
8/1/2013	2.9	
2/12/2014	2.9	
9/8/2014	2.3	
2/23/2015	2.5	
9/8/2015	2.6	
3/15/2016	2.9	
9/12/2016	2.7	
5/23/2017	2.9	
12/5/2017	2.8	
4/23/2018	3.3	
12/4/2018	2.7	
5/14/2019	2.5	
11/4/2019	2.9	
4/15/2020	2.65 (D)	
10/27/2020	2.7 (D)	
4/27/2021	3.35 (D)	
11/9/2021	2.8 (D)	
5/10/2022	2.7	
11/8/2022	2.85 (D)	
5/9/2023	1.85 (D)	
11/7/2023		2.8 (D)

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=39.53, Std. Dev.=3.715, n=27. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.894. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

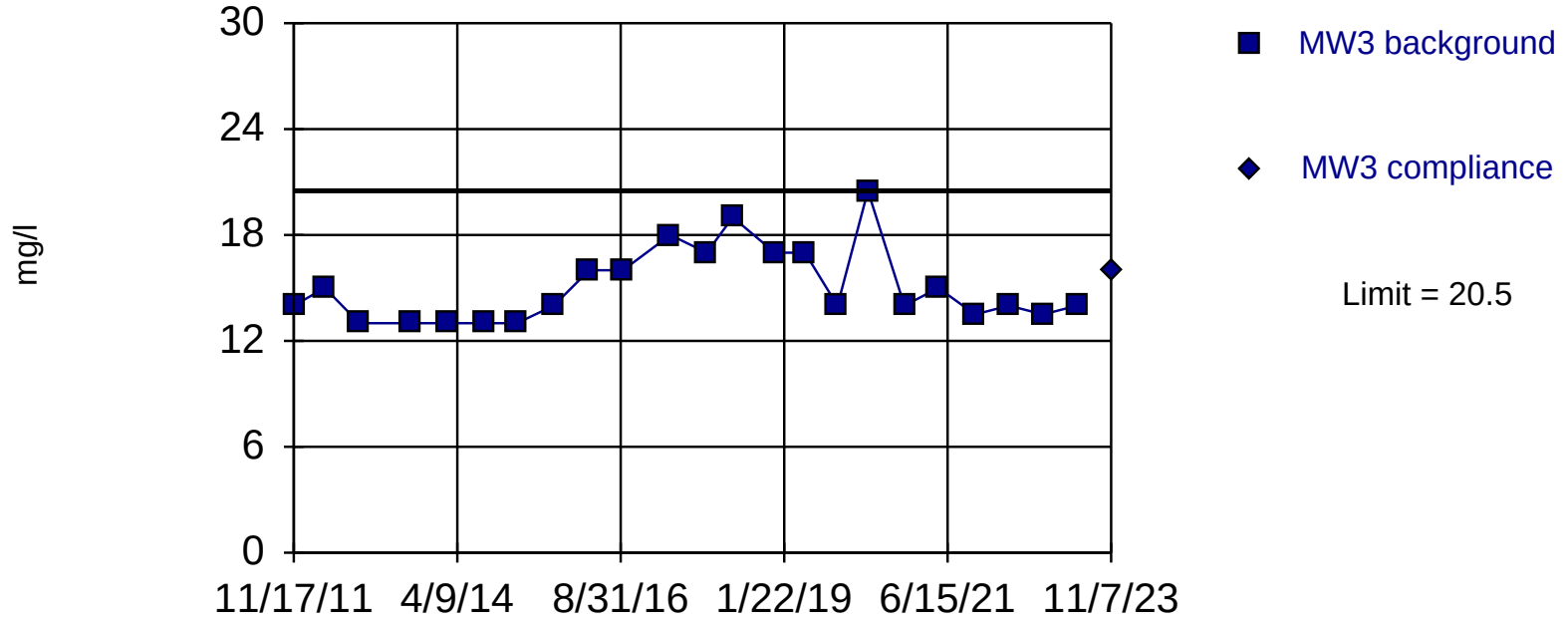
Constituent: Sodium (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/4/2007	34.3	
10/27/2008	41.4	
6/2/2009	42.7	
12/3/2009	44	
5/5/2010	46	
11/15/2010	40	
4/28/2011	36	
11/17/2011	41	
5/1/2012	40	
11/1/2012	40	
8/1/2013	40	
2/12/2014	43	
9/8/2014	43	
9/12/2016	41	
5/23/2017	37	
12/5/2017	42	
4/23/2018	42	
12/4/2018	39	
5/14/2019	37	
11/4/2019	43	
4/15/2020	38.5 (D)	
10/27/2020	36 (D)	
4/27/2021	32 (D)	
11/9/2021	41.5 (D)	
5/10/2022	38	
11/8/2022	39.5 (D)	
5/9/2023	29.5 (D)	
11/7/2023		39 (D)

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Report alpha = 0.04167. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

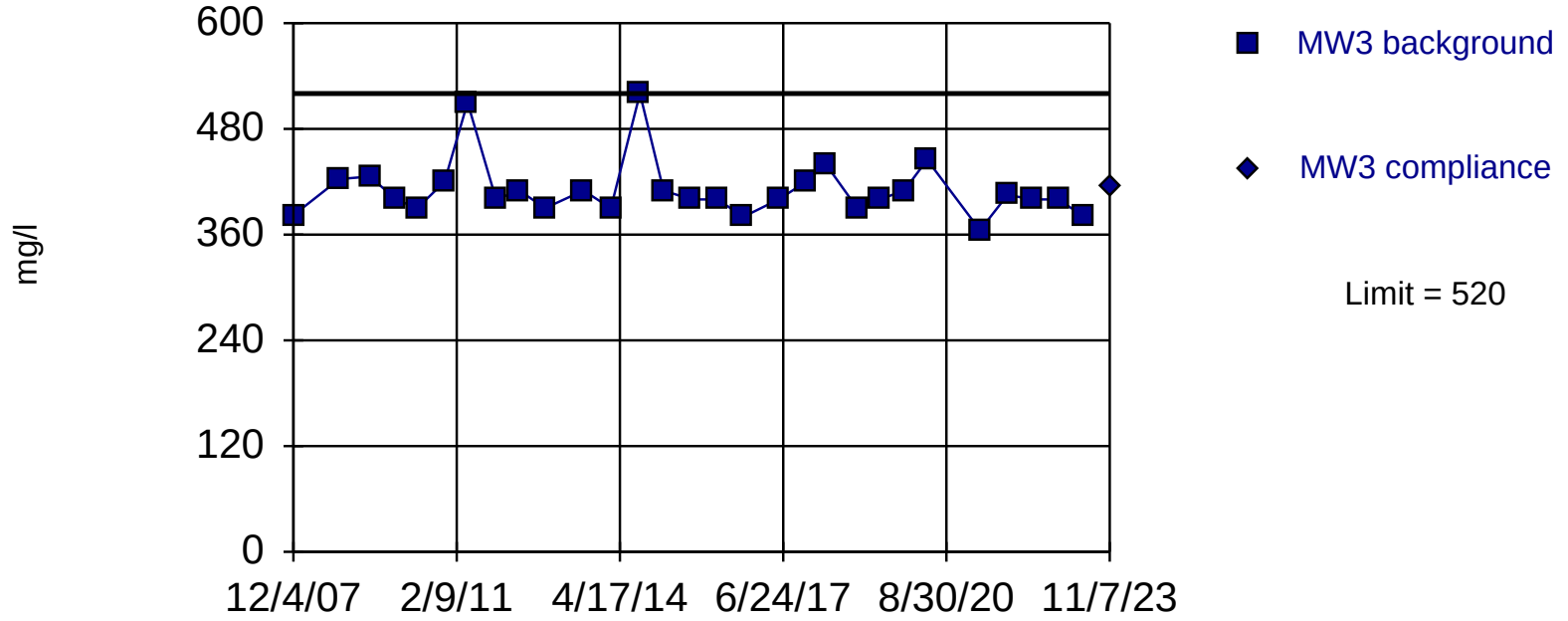
Constituent: Sulfate (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
11/17/2011	14	
5/1/2012	15	
11/1/2012	13	
8/1/2013	13	
2/12/2014	13	
9/8/2014	13	
2/23/2015	13	
9/8/2015	14	
3/15/2016	16	
9/12/2016	16	
5/23/2017	18	
12/5/2017	17	
4/23/2018	19	
12/4/2018	17	
5/14/2019	17	
11/4/2019	14	
4/15/2020	20.5 (D)	
10/27/2020	14 (D)	
4/27/2021	15 (D)	
11/9/2021	13.5 (D)	
5/10/2022	14	
11/8/2022	13.5 (D)	
5/9/2023	14 (D)	
11/7/2023		16 (D)

Within Limit

Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. Report alpha = 0.03333. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids Analysis Run 1/23/2024 3:45 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 1/23/2024 3:46 PM

Foxen Client: County of Santa Barbara Data: Foxen Canyon Closed Landfill

	MW3	MW3
12/4/2007	382	
10/27/2008	423	
6/2/2009	426	
12/3/2009	400	
5/5/2010	390	
11/15/2010	420	
4/28/2011	510	
11/17/2011	400	
5/1/2012	410	
11/1/2012	390	
8/1/2013	410	
2/12/2014	390	
9/8/2014	520	
2/23/2015	410	
9/8/2015	400	
3/15/2016	400	
9/12/2016	380	
5/23/2017	400	
12/5/2017	420	
4/23/2018	440	
12/4/2018	390	
5/14/2019	400	
11/4/2019	410	
4/15/2020	445 (D)	
4/27/2021	365 (D)	
11/9/2021	405 (D)	
5/10/2022	400	
11/8/2022	400 (D)	
5/9/2023	380 (D)	
11/7/2023		415 (D)

APPENDIX G

LANDFILL GAS PROBE MONITORING FORMS AND HISTORICAL DATA

Table 1 Summary of Quarterly Landfill Gas Monitoring at Structures
Third Quarter 2023
Foxen Canyon Closed Landfill, SWIS Facility ID 42-AA-0011

Monitoring Location	Date / Time	CH_4 (ppm)	O_2 (%)	CO (ppm)	Technician	Comments
Operations Trailer	9/27/23 13:28	10	20.9	0.0	Henry Hancock	Clear 85 deg F. Background methane concentration was 160 ppm
Scale House	9/27/23 13:25	50	20.9	0.0	Henry Hancock	Clear 85 deg F. Background methane concentration was 160 ppm

Notes: The Eagle RKI instrument is used for monthly breathing zone air monitoring, and is field calibrated prior to collecting the first reading.

Table 2 Summary of Quarterly Landfill Gas Monitoring at Probes
Third Quarter 2023
Foxen Canyon Closed Landfill, SWIS Facility ID 42-AA-0011

Well No.	Date / Time	CH_4 (%)	O_2 (%)	CO_2 (%)	Pressure (in H_2O)	Barometric Pressure (in Hg)	Probe Depth (ft)	Purge Time (mm:ss)	Technician	Comments
FCGP-1B-S	9/27/23 14:35	0.0	17.4	2.9	-0.02	28.82	15	01:35	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-1B-D	9/27/23 14:39	0.0	18.9	1.8	-0.13	28.82	30	03:10	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-2	9/27/23 14:28	0.0	16.5	4.6	-0.01	28.82	5	00:32	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-5S	9/27/23 14:06	0.0	15.2	2.6	0.17	28.82	25	02:38	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-5D	9/27/23 14:09	0.0	17.0	1.9	0.06	28.82	50	05:16	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-7	9/27/23 15:09	0.0	9.1	2.6	-0.01	28.82	40	04:13	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-8	9/27/23 15:04	0.0	17.2	3.0	-0.14	28.82	60	06:19	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-10	9/27/23 14:00	0.0	15.3	4.6	0.11	28.82	7	00:44	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11S	9/27/23 14:47	0.0	17.8	3.1	-0.03	28.82	18	01:54	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11M	9/27/23 14:51	0.0	14.9	6.1	0.06	28.82	26	02:44	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11D	9/27/23 14:52	0.0	14.9	6.5	0.20	28.82	40	04:13	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12S	9/27/23 14:14	0.0	17.6	1.5	-0.10	28.82	10	01:03	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12M	9/27/23 14:17	0.0	14.3	5.3	-0.11	28.82	25	02:38	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12D	9/27/23 14:23	0.0	12.3	10.0	-0.07	28.82	38.5	04:03	Henry Hancock	Clear 85 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
*FCGP13-D	9/27/23 13:38	3.6	0.1	22.5	0.15	28.82	30	03:10	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.
*FCGP-13-S	9/27/23 13:34	0.0	9.5	15.1	-0.10	28.82	12	01:16	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.
*FCGP-14-D	9/27/23 13:46	0.0	19.8	0.1	-0.06	28.82	30	03:10	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.
*FCGP-14-S	9/27/23 13:42	0.0	18.1	2.9	-0.08	28.82	12	01:16	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.
*FCGP-15-D	9/27/23 13:55	17.2	0.0	22.2	0.55	28.82	30	03:10	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.
FCGP-15-S	9/27/23 13:51	6.4	19.1	0.3	0.06	28.82	12	01:16	Henry Hancock	Clear 85 deg F. Interior probe used to evaluate LFG well network conditions.

Notes: The Landtec GEM 5000 instrument is used for landfill gas probe monitoring, and is field calibrated prior to collecting the first reading. Pressure readings are recorded upon opening petcock on probe.

Table 1 Summary of Quarterly Landfill Gas Monitoring at Structures
Fourth Quarter 2023
Foxen Canyon Closed Landfill, SWIS Facility ID 42-AA-0011

Monitoring Location	Date / Time	CH_4 (ppm)	O_2 (%)	CO (ppm)	Technician	Comments
Operations Trailer	12/18/23 13:41	15	20.9	0.0	Henry Hancock	Rainy 65 deg F. Background methane concentration was 65 ppm
Scale House	12/18/23 13:46	40	20.9	0.0	Henry Hancock	Rainy 65 deg F. Background methane concentration was 65 ppm

Notes: The Eagle RKI instrument is used for monthly breathing zone air monitoring, and is field calibrated prior to collecting the first reading.

Table 2 Summary of Quarterly Landfill Gas Monitoring at Probes
Fourth Quarter 2023
Foxen Canyon Closed Landfill, SWIS Facility ID 42-AA-0011

Well No.	Date / Time	CH_4 (%)	O_2 (%)	CO_2 (%)	Pressure (in H_2O)	Barometric Pressure (in Hg)	Probe Depth (ft)	Purge Time (mm:ss)	Technician	Comments
FCGP-1B-S	12/18/23 13:30	0.0	17.6	3.1	-0.04	28.84	15	01:35	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-1B-D	12/18/23 13:28	0.0	18.1	2.7	-0.11	28.84	30	03:10	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-2	12/18/23 13:24	0.0	17.1	5.3	-0.02	28.84	5	00:32	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-5S	12/18/23 11:57	0.0	17.3	2.9	-0.07	28.84	25	02:38	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-5D	12/18/23 12:03	0.0	19.1	1.7	-0.03	28.84	50	05:16	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-7	12/18/23 12:06	0.0	19.6	1.0	-0.08	28.84	40	04:13	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-8	12/18/23 12:10	0.0	19.3	1.4	-0.11	28.84	60	06:19	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-10	12/18/23 11:54	0.0	18.1	3.4	-0.07	28.84	7	00:44	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11S	12/18/23 12:40	0.0	18.6	2.4	-0.10	28.84	18	01:54	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11M	12/18/23 12:42	0.0	15.7	6.9	-0.02	28.84	26	02:44	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-11D	12/18/23 12:46	0.0	15.4	7.2	0.25	28.84	40	04:13	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12S	12/18/23 12:24	0.0	19.4	2.1	-0.08	28.84	10	01:03	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12M	12/18/23 12:29	0.0	17.4	4.8	0.01	28.84	25	02:38	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.
FCGP-12D	12/18/23 12:34	0.0	17.6	5.0	0.10	28.84	38.5	04:03	Henry Hancock	Rainy 64 deg F. Perimiter probe (compliance point) used to evaluate migration of LFG.

Notes: The Landtec GEM 5000 instrument is used for landfill gas probe monitoring, and is field calibrated prior to collecting the first reading. Pressure readings are recorded upon opening petcock on probe.

APPENDIX G
LANDFILL GAS PROBE MONITORING HISTORICAL DATA
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-1B-S	1/10/2007	0.0	5.0	16.2	78.8
FCCL-GP-1B-S	4/30/2007	0.0	0.3	20.2	79.5
FCCL-GP-1B-S	7/31/2007	0.0	0.0	19.6	80.4
FCCL-GP-1B-S	12/27/2007	0.0	0.0	20.3	79.7
FCCL-GP-1B-S	2/21/2008	0.0	8.5	13.1	78.4
FCCL-GP-1B-S	6/12/2008	0.0	0.0	20.3	79.7
FCCL-GP-1B-S	9/29/2008	0.0	0.0	20.4	79.6
FCCL-GP-1B-S	11/2/2008	0.0	0.6	20.0	79.4
FCCL-GP-1B-S	3/26/2009	0.0	1.6	19.8	78.6
FCCL-GP-1B-S	6/16/2009	0.0	0.2	20.2	79.6
FCCL-GP-1B-S	9/28/2009	0.0	0.2	20.2	79.6
FCCL-GP-1B-S	12/8/2009	0.0	0.1	20.0	79.9
FCCL-GP-1B-S	2/12/2010	0.0	0.1	20.6	79.3
FCCL-GP-1B-S	6/18/2010	0.0	0.0	20.1	79.9
FCCL-GP-1B-S	9/3/2010	0.0	0.0	19.9	80.1
FCCL-GP-1B-S	11/5/2010	0.0	4.3	14.7	81.0
FCCL-GP-1B-S	1/20/2011	0.0	0.0	20.1	79.9
FCCL-GP-1B-S	4/14/2011	0.0	0.0	20.1	79.9
FCCL-GP-1B-S	7/7/2011	0.0	0.0	19.8	80.2
FCCL-GP-1B-S	10/13/2011	0.0	0.1	19.2	80.7
FCCL-GP-1B-S	1/18/2012	0.0	0.6	19.4	80.0
FCCL-GP-1B-S	4/13/2012	0.0	0.6	18.7	80.7
FCCL-GP-1B-S	7/5/2012	0.0	3.1	17.7	79.2
FCCL-GP-1B-S	10/2/2012	0.0	1.2	17.8	81.0
FCCL-GP-1B-S	1/16/2013	0.0	2.2	17.5	80.3
FCCL-GP-1B-S	4/11/2013	0.0	0.7	19.1	80.2
FCCL-GP-1B-S	7/2/2013	0.0	0.6	18.1	81.3
FCCL-GP-1B-S	12/17/2013	0.0	5.2	15.6	79.2
FCCL-GP-1B-S	2/25/2014	0.0	0.0	19.3	80.7
FCCL-GP-1B-S	4/3/2014	0.0	0.0	19.7	80.3
FCCL-GP-1B-S	7/29/2014	0.0	0.0	18.8	81.2
FCCL-GP-1B-S	10/23/2014	0.0	0.0	20.0	80.0
FCCL-GP-1B-S	2/17/2015	0.0	0.0	19.9	80.1
FCCL-GP-1B-S	6/10/2015	0.0	0.1	18.6	81.3
FCCL-GP-1B-S	9/23/2015	0.0	0.0	18.7	81.3
FCCL-GP-1B-S	12/30/2015	0.0	0.1	20.0	79.9
FCCL-GP-1B-S	3/24/2016	0.0	0.1	19.8	80.1
FCCL-GP-1B-S	6/24/2016	0.0	0.1	20.7	79.2
FCCL-GP-1B-S	9/21/2016	0.0	0.2	20.8	79.0
FCCL-GP-1B-S	12/29/2016	0.0	0.2	20.9	78.9
FCCL-GP-1B-S	3/16/2017	0.0	0.2	20.3	79.5
FCCL-GP-1B-S	6/22/2017	0.0	1.4	19.6	79.0
FCCL-GP-1B-S	9/22/2017	0.0	0.1	20.8	79.1
FCCL-GP-1B-S	12/12/2017	0.0	0.5	20.1	79.4
FCCL-GP-1B-S	3/20/2018	0.0	4.4	16.6	79.0
FCCL-GP-1B-S	9/19/2018	0.0	0.6	20.2	79.2
FCCL-GP-1B-S	12/26/2018	0.0	0.1	20.6	79.3
FCCL-GP-1B-S	3/26/2019	0.0	2.5	17.9	79.6
FCCL-GP-1B-S	6/18/2019	0.0	0.1	20.8	79.1
FCCL-GP-1B-S	9/25/2019	0.0	5.1	15.5	79.4
FCCL-GP-1B-S	12/20/2019	0.0	0.1	20.8	79.1
FCCL-GP-1B-S	3/20/2020	0.0	0.1	20.8	79.1

APPENDIX G
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FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-1B-S	6/20/2020	0.0	0.1	20.9	79.0
FCCL-GP-1B-S	9/25/2020	0.0	0.1	20.8	79.1
FCCL-GP-1B-S	12/22/2020	0.0	0.2	20.7	79.1
FCCL-GP-1B-S	3/17/2021	0.0	0.3	20.4	79.3
FCCL-GP-1B-S	6/10/2021	0.0	0.1	20.5	79.4
FCCL-GP-1B-S	6/10/2021	0.0	0.1	20.5	79.4
FCCL-GP-1B-S	9/15/2021	0.0	0.1	20.2	79.7
FCCL-GP-1B-S	11/24/2021	0.0	0.1	20.0	79.9
FCCL-GP-1B-S	3/22/2022	0.0	0.1	19.9	80.0
FCCL-GP-1B-S	5/3/2022	0.0	0.0	20.6	79.4
FCCL-GP-1B-S	9/14/2022	0.0	0.0	20.9	79.1
FCCL-GP-1B-S	12/23/2022	0.0	0.0	20.6	79.4
FCCL-GP-1B-S	3/8/2023	0.0	0.1	20.8	79.1
FCCL-GP-1B-S	6/23/2023	0.0	0.1	20.1	79.8
FCCL-GP-1B-S	9/27/2023	0.0	2.9	17.4	79.7
FCCL-GP-1B-S	12/18/2023	0.0	3.1	17.6	79.3
FCCL-GP-1B-D	1/10/2007	0.0	7.6	14.2	78.2
FCCL-GP-1B-D	4/30/2007	0.0	0.7	19.9	79.4
FCCL-GP-1B-D	7/31/2007	0.0	0.3	19.4	80.3
FCCL-GP-1B-D	12/27/2007	0.0	0.5	20.0	79.5
FCCL-GP-1B-D	2/21/2008	0.0	6.7	13.6	79.7
FCCL-GP-1B-D	6/12/2008	0.0	3.7	17.4	78.9
FCCL-GP-1B-D	9/29/2008	0.0	2.1	18.4	79.5
FCCL-GP-1B-D	11/2/2008	0.0	1.4	18.7	79.9
FCCL-GP-1B-D	3/26/2009	0.0	2.0	18.8	79.2
FCCL-GP-1B-D	6/16/2009	0.0	1.7	18.8	79.5
FCCL-GP-1B-D	9/28/2009	0.0	1.7	18.9	79.4
FCCL-GP-1B-D	12/8/2009	0.0	2.0	19.0	79.0
FCCL-GP-1B-D	2/12/2010	0.0	3.3	17.3	79.4
FCCL-GP-1B-D	6/18/2010	0.0	3.3	16.7	80.0
FCCL-GP-1B-D	9/3/2010	0.0	3.1	17.1	79.8
FCCL-GP-1B-D	11/5/2010	0.0	2.9	16.2	80.9
FCCL-GP-1B-D	1/20/2011	0.0	3.8	16.7	79.5
FCCL-GP-1B-D	4/14/2011	0.0	2.1	17.1	80.8
FCCL-GP-1B-D	7/7/2011	0.0	0.9	18.9	80.2
FCCL-GP-1B-D	10/13/2011	0.0	2.0	17.0	81.0
FCCL-GP-1B-D	1/18/2012	0.0	0.0	19.7	80.3
FCCL-GP-1B-D	4/13/2012	0.0	0.0	20.1	79.9
FCCL-GP-1B-D	7/5/2012	0.0	0.0	20.6	79.4
FCCL-GP-1B-D	10/2/2012	0.0	2.1	17.1	80.8
FCCL-GP-1B-D	1/16/2013	0.0	2.0	17.3	80.7
FCCL-GP-1B-D	4/11/2013	0.0	2.3	18.4	79.3
FCCL-GP-1B-D	7/2/2013	0.0	2.7	15.9	81.4
FCCL-GP-1B-D	12/17/2013	0.0	2.3	17.7	80.0
FCCL-GP-1B-D	2/25/2014	0.0	2.4	17.9	79.7
FCCL-GP-1B-D	4/3/2014	0.0	2.9	17.1	80.0
FCCL-GP-1B-D	7/29/2014	0.0	1.7	17.5	80.8
FCCL-GP-1B-D	10/23/2014	0.0	2.1	18.8	79.1
FCCL-GP-1B-D	2/17/2015	0.0	2.3	18.2	79.5
FCCL-GP-1B-D	6/10/2015	0.0	2.0	17.3	80.7
FCCL-GP-1B-D	9/23/2015	0.0	1.8	17.5	80.7
FCCL-GP-1B-D	12/30/2015	0.0	0.9	19.6	79.5

APPENDIX G
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FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-1B-D	3/24/2016	0.0	1.9	17.8	80.3
FCCL-GP-1B-D	6/24/2016	0.0	2.5	18.9	78.6
FCCL-GP-1B-D	9/21/2016	0.0	2.3	19.2	78.5
FCCL-GP-1B-D	12/29/2016	0.0	1.8	19.6	78.6
FCCL-GP-1B-D	3/16/2017	0.0	5.0	16.2	78.8
FCCL-GP-1B-D	6/22/2017	0.0	3.8	16.4	79.8
FCCL-GP-1B-D	9/22/2017	0.0	2.7	17.0	80.3
FCCL-GP-1B-D	12/12/2017	0.0	2.4	17.4	80.2
FCCL-GP-1B-D	3/20/2018	0.0	2.6	19.3	78.1
FCCL-GP-1B-D	9/19/2018	0.0	2.1	19.1	78.8
FCCL-GP-1B-D	12/26/2018	0.0	2.9	18.1	79.0
FCCL-GP-1B-D	3/26/2019	0.0	5.6	15.3	79.1
FCCL-GP-1B-D	6/18/2019	0.0	4.0	16.1	79.9
FCCL-GP-1B-D	9/25/2019	0.0	2.9	18.0	79.1
FCCL-GP-1B-D	12/20/2019	0.0	1.8	19.1	79.1
FCCL-GP-1B-D	3/20/2020	0.0	2.5	18.3	79.2
FCCL-GP-1B-D	6/20/2020	0.0	3.4	18.1	78.5
FCCL-GP-1B-D	9/25/2020	0.0	2.1	19.2	78.7
FCCL-GP-1B-D	12/22/2020	0.0	2.8	18.1	79.1
FCCL-GP-1B-D	3/17/2021	0.0	3.8	18.1	78.1
FCCL-GP-1B-D	6/10/2021	0.0	1.7	19.2	79.1
FCCL-GP-1B-D	6/10/2021	0.0	1.7	19.2	79.1
FCCL-GP-1B-D	9/15/2021	0.0	2.3	18.3	79.4
FCCL-GP-1B-D	11/24/2021	0.0	2.5	17.7	79.8
FCCL-GP-1B-D	3/22/2022	0.0	2.1	18.3	79.6
FCCL-GP-1B-D	5/3/2022	0.0	2.7	18.3	79.0
FCCL-GP-1B-D	9/14/2022	0.0	1.4	19.6	79.0
FCCL-GP-1B-D	12/23/2022	0.0	1.7	18.9	79.4
FCCL-GP-1B-D	3/8/2023	0.0	3.2	16.7	80.1
FCCL-GP-1B-D	6/23/2023	0.0	2.4	17.7	79.9
FCCL-GP-1B-D	9/27/2023	0.0	1.8	18.9	79.3
FCCL-GP-1B-D	12/18/2023	0.0	2.7	18.1	79.2
FCCL-GP-2	1/10/2007	0.0	0.7	19.8	79.5
FCCL-GP-2	4/30/2007	0.0	2.0	19.1	78.9
FCCL-GP-2	7/31/2007	0.0	2.5	17.8	79.7
FCCL-GP-2	12/27/2007	0.0	1.1	19.2	79.7
FCCL-GP-2	2/21/2008	0.0	4.2	16.0	79.8
FCCL-GP-2	6/12/2008	0.0	2.8	17.9	79.3
FCCL-GP-2	9/29/2008	0.0	2.9	18.3	78.8
FCCL-GP-2	11/2/2008	0.0	2.4	18.7	78.9
FCCL-GP-2	3/26/2009	0.0	3.7	16.7	79.6
FCCL-GP-2	6/16/2009	0.0	2.9	18.1	79.0
FCCL-GP-2	9/28/2009	0.0	2.8	18.2	79.0
FCCL-GP-2	12/8/2009	0.0	2.2	18.7	79.1
FCCL-GP-2	2/12/2010	0.0	4.3	15.5	80.2
FCCL-GP-2	6/18/2010	0.0	5.0	15.8	79.2
FCCL-GP-2	9/3/2010	0.0	4.3	16.5	79.2
FCCL-GP-2	11/5/2010	0.0	2.9	17.5	79.6
FCCL-GP-2	1/20/2011	0.0	3.4	16.8	79.8
FCCL-GP-2	4/14/2011	0.0	3.4	16.8	79.8
FCCL-GP-2	7/7/2011	0.0	4.7	16.2	79.1
FCCL-GP-2	10/13/2011	0.0	2.2	17.7	80.1

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-2	1/18/2012	0.0	1.8	18.5	79.7
FCCL-GP-2	4/13/2012	0.0	2.6	18.9	78.5
FCCL-GP-2	7/5/2012	0.0	2.4	18.8	78.8
FCCL-GP-2	10/2/2012	0.0	1.3	17.8	80.9
FCCL-GP-2	1/16/2013	0.0	2.0	17.7	80.3
FCCL-GP-2	4/11/2013	0.0	1.2	18.3	80.5
FCCL-GP-2	7/2/2013	0.0	1.4	17.2	81.4
FCCL-GP-2	12/17/2013	0.0	1.2	18.8	80.0
FCCL-GP-2	2/25/2014	0.0	1.2	18.4	80.4
FCCL-GP-2	4/3/2014	0.0	2.2	17.3	80.5
FCCL-GP-2	7/29/2014	0.0	2.7	16.1	81.2
FCCL-GP-2	10/23/2014	0.0	1.5	19.2	79.3
FCCL-GP-2	2/17/2015	0.0	1.8	18.2	80.0
FCCL-GP-2	6/10/2015	0.0	1.5	17.0	81.5
FCCL-GP-2	9/23/2015	0.0	1.6	16.9	81.5
FCCL-GP-2	12/30/2015	0.0	1.1	19.6	79.3
FCCL-GP-2	3/24/2016	0.0	2.5	17.9	79.6
FCCL-GP-2	6/24/2016	0.0	2.8	18.3	78.9
FCCL-GP-2	9/21/2016	0.0	1.5	18.8	79.7
FCCL-GP-2	12/29/2016	0.0	1.6	19.6	78.8
FCCL-GP-2	3/16/2017	0.0	1.8	17.8	80.4
FCCL-GP-2	6/22/2017	0.0	5.6	15.2	79.2
FCCL-GP-2	9/22/2017	0.0	3.8	17.5	78.7
FCCL-GP-2	12/12/2017	0.0	1.9	18.5	79.6
FCCL-GP-2	3/20/2018	0.0	2.5	19.4	78.1
FCCL-GP-2	9/19/2018	0.0	1.9	19.1	79.0
FCCL-GP-2	12/26/2018	0.0	2.1	18.9	79.0
FCCL-GP-2	3/26/2019	0.0	6.0	14.7	79.3
FCCL-GP-2	6/18/2019	0.0	6.3	15.6	78.1
FCCL-GP-2	9/25/2019	0.0	3.7	17.0	79.3
FCCL-GP-2	12/20/2019	0.0	2.5	18.7	78.8
FCCL-GP-2	3/20/2020	0.0	3.4	17.5	79.1
FCCL-GP-2	6/20/2020	0.0	3.9	17.9	78.2
FCCL-GP-2	9/25/2020	0.0	2.7	18.2	79.1
FCCL-GP-2	12/22/2020	0.0	1.8	19.4	78.8
FCCL-GP-2	3/17/2021	0.0	2.9	18.2	78.9
FCCL-GP-2	6/10/2021	0.0	3.4	17.7	78.9
FCCL-GP-2	6/10/2021	0.0	3.4	17.7	78.9
FCCL-GP-2	9/15/2021	0.0	2.9	17.3	79.8
FCCL-GP-2	11/24/2021	0.0	0.5	19.2	80.3
FCCL-GP-2	3/22/2022	0.0	2.3	17.9	79.8
FCCL-GP-2	5/3/2022	0.0	2.5	18.4	79.1
FCCL-GP-2	9/14/2022	0.0	2.5	18.4	79.1
FCCL-GP-2	12/23/2022	0.0	2.2	18.5	79.3
FCCL-GP-2	3/8/2023	0.0	2.3	18.3	79.4
FCCL-GP-2	6/23/2023	0.0	5.6	15.5	78.9
FCCL-GP-2	9/27/2023	0.0	4.6	16.5	78.9
FCCL-GP-2	12/18/2023	0.0	5.3	17.1	77.6
FCCL-GP-5S	1/10/2007	0.0	3.3	17.7	79.0
FCCL-GP-5S	4/30/2007	0.0	3.3	17.4	79.3
FCCL-GP-5S	7/31/2007	0.0	0.0	19.9	80.1
FCCL-GP-5S	12/27/2007	0.0	0.5	20.3	79.2

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-5S	2/21/2008	0.0	7.5	19.1	73.4
FCCL-GP-5S	6/12/2008	0.0	0.8	19.6	79.6
FCCL-GP-5S	9/29/2008	0.0	0.6	20.4	79.0
FCCL-GP-5S	11/2/2008	0.0	0.8	20.1	79.1
FCCL-GP-5S	3/26/2009	0.0	0.2	19.8	80.0
FCCL-GP-5S	6/16/2009	0.0	0.7	20.0	79.3
FCCL-GP-5S	9/28/2009	0.0	0.8	19.9	79.3
FCCL-GP-5S	12/8/2009	0.0	0.7	19.7	79.6
FCCL-GP-5S	2/12/2010	0.0	0.2	20.3	79.5
FCCL-GP-5S	6/18/2010	0.0	0.0	20.2	79.8
FCCL-GP-5S	9/3/2010	0.0	0.1	20.1	79.8
FCCL-GP-5S	11/5/2010	0.0	2.3	18.1	79.6
FCCL-GP-5S	1/20/2011	0.0	0.0	20.3	79.7
FCCL-GP-5S	2/23/2011	0.0	0.0	19.7	80.3
FCCL-GP-5S	3/1/2011	0.0	0.0	20.1	79.9
FCCL-GP-5S	3/10/2011	0.0	0.1	20.4	79.5
FCCL-GP-5S	3/16/2011	0.0	0.0	19.9	80.1
FCCL-GP-5S	3/24/2011	0.0	0.1	20.6	79.3
FCCL-GP-5S	3/31/2011	0.0	0.4	20.0	79.6
FCCL-GP-5S	4/6/2011	0.0	0.0	20.4	79.6
FCCL-GP-5S	4/11/2011	0.0	0.0	20.6	79.4
FCCL-GP-5S	4/14/2011	0.0	0.0	20.6	79.4
FCCL-GP-5S	4/27/2011	0.0	0.0	20.9	79.1
FCCL-GP-5S	5/4/2011	0.0	3.2	16.5	80.3
FCCL-GP-5S	5/10/2011	0.0	0.0	20.9	79.1
FCCL-GP-5S	5/18/2011	0.0	3.9	16.4	79.7
FCCL-GP-5S	5/26/2011	0.0	0.0	21.2	78.8
FCCL-GP-5S	5/31/2011	0.0	0.0	20.8	79.2
FCCL-GP-5S	6/14/2011	0.0	0.0	19.9	80.1
FCCL-GP-5S	6/22/2011	0.0	0.1	19.7	80.2
FCCL-GP-5S	6/28/2011	0.0	0.3	19.8	79.9
FCCL-GP-5S	7/5/2011	0.0	0.2	19.7	80.1
FCCL-GP-5S	7/7/2011	0.0	0.0	20.1	79.9
FCCL-GP-5S	7/11/2011	0.0	0.2	20.1	79.7
FCCL-GP-5S	7/21/2011	0.0	0.4	19.9	79.7
FCCL-GP-5S	8/1/2011	0.0	0.0	19.8	80.2
FCCL-GP-5S	8/9/2011	0.0	0.7	19.0	80.3
FCCL-GP-5S	10/13/2011	0.1	1.8	18.2	79.9
FCCL-GP-5S	1/18/2012	0.0	0.0	19.9	80.1
FCCL-GP-5S	4/13/2012	0.0	0.0	19.3	80.7
FCCL-GP-5S	7/5/2012	0.0	0.0	20.7	79.3
FCCL-GP-5S	10/2/2012	0.1	2.7	16.9	80.3
FCCL-GP-5S	1/16/2013	0.0	2.6	17.4	80.0
FCCL-GP-5S	4/11/2013	0.0	0.7	19.3	80.0
FCCL-GP-5S	7/2/2013	0.0	0.6	18.2	81.2
FCCL-GP-5S	12/17/2013	0.0	2.1	18.4	79.5
FCCL-GP-5S	2/25/2014	0.0	0.0	19.3	80.7
FCCL-GP-5S	4/3/2014	0.0	0.0	19.6	80.4
FCCL-GP-5S	7/29/2014	0.0	0.0	17.9	82.1
FCCL-GP-5S	10/23/2014	0.0	0.0	19.8	80.2
FCCL-GP-5S	2/17/2015	0.0	0.0	19.6	80.4
FCCL-GP-5S	6/10/2015	0.0	0.0	18.0	82.0

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-5S	9/23/2015	0.0	0.0	17.8	82.2
FCCL-GP-5S	12/30/2015	0.0	0.0	20.4	79.6
FCCL-GP-5S	3/24/2016	0.0	0.6	19.6	79.8
FCCL-GP-5S	6/24/2016	0.0	0.1	20.3	79.6
FCCL-GP-5S	9/21/2016	0.0	1.9	18.7	79.4
FCCL-GP-5S	12/29/2016	0.0	0.3	20.8	78.9
FCCL-GP-5S	3/16/2017	0.0	2.5	17.5	80.0
FCCL-GP-5S	6/22/2017	0.0	2.6	16.7	80.7
FCCL-GP-5S	9/22/2017	0.0	0.1	20.4	79.5
FCCL-GP-5S	12/12/2017	0.0	2.5	17.5	80.0
FCCL-GP-5S	3/20/2018	0.0	2.6	19.1	78.3
FCCL-GP-5S	9/19/2018	0.0	2.3	18.8	78.9
FCCL-GP-5S	12/26/2018	0.0	0.0	20.7	79.3
FCCL-GP-5S	3/26/2019	0.0	1.4	19.2	79.4
FCCL-GP-5S	6/18/2019	0.0	0.1	21.0	78.9
FCCL-GP-5S	9/25/2019	0.0	2.8	17.2	80.0
FCCL-GP-5S	12/20/2019	0.0	0.3	20.4	79.3
FCCL-GP-5S	3/20/2020	0.0	0.1	20.7	79.2
FCCL-GP-5S	6/20/2020	0.0	0.1	20.9	79.0
FCCL-GP-5S	9/25/2020	0.0	0.1	20.5	79.4
FCCL-GP-5S	12/22/2020	0.0	0.2	20.6	79.2
FCCL-GP-5S	3/17/2021	0.0	0.2	20.5	79.3
FCCL-GP-5S	6/10/2021	0.0	0.1	20.5	79.4
FCCL-GP-5S	6/10/2021	0.0	0.1	20.5	79.4
FCCL-GP-5S	9/15/2021	0.0	0.1	19.6	80.3
FCCL-GP-5S	11/24/2021	0.0	0.1	19.8	80.1
FCCL-GP-5S	3/22/2022	0.0	0.0	20.1	79.9
FCCL-GP-5S	5/3/2022	0.0	0.0	20.2	79.8
FCCL-GP-5S	9/14/2022	0.0	0.1	20.4	79.5
FCCL-GP-5S	12/23/2022	0.0	0.0	20.4	79.6
FCCL-GP-5S	3/8/2023	0.0	0.1	21.1	78.8
FCCL-GP-5S	6/23/2023	0.0	0.2	19.8	80.0
FCCL-GP-5S	9/27/2023	0.0	2.6	15.2	82.2
FCCL-GP-5S	12/18/2023	0.0	2.9	17.3	79.8
FCCL-GP-5D	1/10/2007	0.0	4.0	17.7	78.3
FCCL-GP-5D	4/30/2007	0.0	1.8	18.0	80.2
FCCL-GP-5D	7/31/2007	0.6	1.6	17.0	80.8
FCCL-GP-5D	12/27/2007	0.0	0.3	20.5	79.2
FCCL-GP-5D	2/21/2008	0.0	0.7	20.3	79.0
FCCL-GP-5D	6/12/2008	0.0	0.3	19.8	79.9
FCCL-GP-5D	9/29/2008	0.0	0.6	20.2	79.2
FCCL-GP-5D	11/2/2008	0.0	0.5	20.2	79.3
FCCL-GP-5D	3/26/2009	0.0	1.7	18.7	79.6
FCCL-GP-5D	6/16/2009	0.0	0.7	19.9	79.4
FCCL-GP-5D	9/28/2009	0.0	0.7	20.0	79.3
FCCL-GP-5D	12/8/2009	0.0	0.6	20.0	79.4
FCCL-GP-5D	2/12/2010	0.0	0.1	20.4	79.5
FCCL-GP-5D	6/18/2010	0.0	0.7	19.6	79.7
FCCL-GP-5D	9/3/2010	0.0	0.7	20.0	79.3
FCCL-GP-5D	11/5/2010	0.0	0.4	19.4	80.2
FCCL-GP-5D	1/20/2011	0.0	0.2	20.2	79.6
FCCL-GP-5D	2/23/2011	0.0	0.3	19.6	80.1

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-5D	3/1/2011	0.0	0.4	19.8	79.8
FCCL-GP-5D	3/10/2011	0.0	0.5	20.0	79.5
FCCL-GP-5D	3/16/2011	0.0	0.7	19.2	80.1
FCCL-GP-5D	3/24/2011	0.0	0.1	20.7	79.2
FCCL-GP-5D	3/31/2011	0.0	0.0	20.9	79.1
FCCL-GP-5D	4/6/2011	0.0	0.1	20.3	79.6
FCCL-GP-5D	4/11/2011	0.0	0.0	20.5	79.5
FCCL-GP-5D	4/14/2011	0.0	0.0	20.5	79.5
FCCL-GP-5D	4/27/2011	0.0	0.2	20.1	79.7
FCCL-GP-5D	5/4/2011	0.0	0.3	20.2	79.5
FCCL-GP-5D	5/10/2011	0.0	1.3	19.8	78.9
FCCL-GP-5D	5/18/2011	0.0	2.1	19.1	78.8
FCCL-GP-5D	5/26/2011	0.0	0.6	20.7	78.7
FCCL-GP-5D	5/31/2011	0.0	0.2	20.5	79.3
FCCL-GP-5D	6/14/2011	0.0	0.6	19.2	80.2
FCCL-GP-5D	6/22/2011	0.0	0.0	19.8	80.2
FCCL-GP-5D	6/28/2011	0.0	1.7	18.8	79.5
FCCL-GP-5D	7/5/2011	0.0	0.8	19.2	80.0
FCCL-GP-5D	7/7/2011	0.0	0.5	19.6	79.9
FCCL-GP-5D	7/11/2011	0.0	0.8	19.7	79.5
FCCL-GP-5D	7/21/2011	0.0	1.3	19.1	79.6
FCCL-GP-5D	8/1/2011	0.0	0.8	19.1	80.1
FCCL-GP-5D	8/9/2011	0.0	1.3	18.7	80.0
FCCL-GP-5D	10/13/2011	0.1	0.5	18.3	81.1
FCCL-GP-5D	1/18/2012	0.0	0.8	19.3	79.9
FCCL-GP-5D	4/13/2012	0.0	0.3	19.5	80.2
FCCL-GP-5D	7/5/2012	0.0	1.3	19.8	78.9
FCCL-GP-5D	10/2/2012	0.0	2.3	17.6	80.1
FCCL-GP-5D	1/16/2013	0.0	1.0	18.4	80.6
FCCL-GP-5D	4/11/2013	0.0	2.0	18.6	79.4
FCCL-GP-5D	7/2/2013	0.0	1.2	18.3	80.5
FCCL-GP-5D	12/17/2013	0.0	1.2	18.8	80.0
FCCL-GP-5D	2/25/2014	0.0	2.2	17.8	80.0
FCCL-GP-5D	4/3/2014	0.0	1.0	18.8	80.2
FCCL-GP-5D	7/29/2014	0.0	1.5	17.1	81.4
FCCL-GP-5D	10/23/2014	0.0	2.1	18.7	79.2
FCCL-GP-5D	2/17/2015	0.0	1.6	18.6	79.8
FCCL-GP-5D	6/10/2015	0.0	1.9	16.9	81.2
FCCL-GP-5D	9/23/2015	0.0	1.3	17.1	81.6
FCCL-GP-5D	12/30/2015	0.0	0.9	19.7	79.4
FCCL-GP-5D	3/24/2016	0.0	0.9	19.4	79.7
FCCL-GP-5D	6/24/2016	0.0	1.8	19.2	79.0
FCCL-GP-5D	9/21/2016	0.0	1.8	18.8	79.4
FCCL-GP-5D	12/29/2016	0.0	1.2	20.1	78.7
FCCL-GP-5D	3/16/2017	0.0	3.5	16.6	79.9
FCCL-GP-5D	6/22/2017	0.0	3.7	17.1	79.2
FCCL-GP-5D	9/22/2017	0.0	2.6	18.5	78.9
FCCL-GP-5D	12/12/2017	0.0	1.8	18.3	79.9
FCCL-GP-5D	3/20/2018	0.0	2.2	19.7	78.1
FCCL-GP-5D	9/19/2018	0.0	2.0	19.1	78.9
FCCL-GP-5D	12/26/2018	0.0	1.5	19.5	79.0
FCCL-GP-5D	3/26/2019	0.0	1.6	18.6	79.8

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-5D	6/18/2019	0.0	2.4	19.0	78.6
FCCL-GP-5D	9/25/2019	0.0	2.4	17.9	79.7
FCCL-GP-5D	12/20/2019	0.0	1.3	19.5	79.2
FCCL-GP-5D	3/20/2020	0.0	1.3	18.7	80.0
FCCL-GP-5D	6/20/2020	0.0	2.2	19.5	78.3
FCCL-GP-5D	9/25/2020	0.0	1.9	19.5	78.6
FCCL-GP-5D	12/22/2020	0.0	1.7	19.5	78.8
FCCL-GP-5D	3/17/2021	0.0	1.6	19.4	79.0
FCCL-GP-5D	6/10/2021	0.0	1.9	18.9	79.2
FCCL-GP-5D	6/10/2021	0.0	1.9	18.9	79.2
FCCL-GP-5D	9/15/2021	0.0	1.9	18.2	79.9
FCCL-GP-5D	11/24/2021	0.0	1.8	18.5	79.7
FCCL-GP-5D	3/22/2022	0.0	1.1	18.9	80.0
FCCL-GP-5D	5/3/2022	0.0	1.8	19.0	79.2
FCCL-GP-5D	9/14/2022	0.0	1.6	19.0	79.4
FCCL-GP-5D	12/23/2022	0.0	1.5	19.4	79.1
FCCL-GP-5D	3/8/2023	0.0	0.5	20.6	78.9
FCCL-GP-5D	6/23/2023	0.0	2.8	17.1	80.1
FCCL-GP-5D	9/27/2023	0.0	1.9	17.0	81.1
FCCL-GP-5D	12/18/2023	0.0	1.7	19.1	79.2
FCCL-GP-7	1/10/2007	0.0	2.2	15.3	82.5
FCCL-GP-7	4/30/2007	0.0	2.3	16.1	81.6
FCCL-GP-7	7/31/2007	0.0	0.2	19.0	80.8
FCCL-GP-7	12/27/2007	0.0	1.0	18.9	80.1
FCCL-GP-7	2/21/2008	0.0	0.0	20.7	79.3
FCCL-GP-7	6/12/2008	0.0	1.8	16.3	81.9
FCCL-GP-7	9/29/2008	0.0	1.4	18.5	80.1
FCCL-GP-7	11/2/2008	0.0	1.1	18.7	80.2
FCCL-GP-7	3/26/2009	0.1	0.9	18.7	80.3
FCCL-GP-7	6/16/2009	0.0	1.2	18.8	80.0
FCCL-GP-7	9/28/2009	0.0	1.1	18.9	80.0
FCCL-GP-7	12/8/2009	0.5	4.6	14.4	80.5
FCCL-GP-7	2/12/2010	0.0	0.5	19.9	79.6
FCCL-GP-7	6/18/2010	0.0	1.7	16.4	81.9
FCCL-GP-7	9/3/2010	0.0	1.7	17.9	80.4
FCCL-GP-7	11/5/2010	0.0	1.3	16.8	81.9
FCCL-GP-7	1/20/2011	0.0	1.1	18.0	80.9
FCCL-GP-7	4/14/2011	0.0	0.7	18.6	80.7
FCCL-GP-7	7/7/2011	0.0	0.7	18.1	81.2
FCCL-GP-7	10/13/2011	0.0	0.8	18.1	81.1
FCCL-GP-7	1/18/2012	0.0	0.6	19.1	80.3
FCCL-GP-7	4/13/2012	0.0	0.5	19.6	79.9
FCCL-GP-7	7/5/2012	0.0	1.0	19.3	79.7
FCCL-GP-7	10/2/2012	0.0	1.4	16.7	81.9
FCCL-GP-7	1/16/2013	0.0	0.5	18.5	81.0
FCCL-GP-7	4/11/2013	0.0	1.2	18.4	80.4
FCCL-GP-7	7/2/2013	0.0	1.1	16.6	82.3
FCCL-GP-7	12/17/2013	0.0	0.9	18.6	80.5
FCCL-GP-7	2/25/2014	0.0	1.3	17.7	81.0
FCCL-GP-7	4/3/2014	0.0	0.8	18.7	80.5
FCCL-GP-7	7/29/2014	0.0	0.9	17.3	81.8
FCCL-GP-7	10/23/2014	0.0	1.0	19.2	79.8

APPENDIX G
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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-7	2/17/2015	0.0	0.9	18.7	80.4
FCCL-GP-7	6/10/2015	0.0	1.6	16.6	81.8
FCCL-GP-7	9/23/2015	0.0	1.0	17.4	81.6
FCCL-GP-7	12/30/2015	0.0	0.3	20.1	79.6
FCCL-GP-7	3/24/2016	0.0	1.3	18.5	80.2
FCCL-GP-7	6/24/2016	0.0	1.5	19.2	79.3
FCCL-GP-7	9/21/2016	0.0	1.3	19.3	79.4
FCCL-GP-7	12/29/2016	0.0	0.7	20.4	78.9
FCCL-GP-7	3/16/2017	0.0	0.1	19.8	80.1
FCCL-GP-7	6/22/2017	0.0	1.4	18.0	80.6
FCCL-GP-7	9/22/2017	0.0	1.2	18.9	79.9
FCCL-GP-7	12/12/2017	0.0	0.8	18.9	80.3
FCCL-GP-7	3/20/2018	0.0	0.9	20.0	79.1
FCCL-GP-7	9/19/2018	0.0	0.6	20.2	79.2
FCCL-GP-7	12/26/2018	0.0	1.0	19.4	79.6
FCCL-GP-7	3/26/2019	0.0	1.5	19.3	79.2
FCCL-GP-7	6/18/2019	0.0	1.2	19.6	79.2
FCCL-GP-7	9/25/2019	0.0	1.2	18.5	80.3
FCCL-GP-7	12/20/2019	0.0	0.4	20.1	79.5
FCCL-GP-7	3/20/2020	0.0	1.1	19.0	79.9
FCCL-GP-7	6/20/2020	0.0	1.3	19.7	79.0
FCCL-GP-7	9/25/2020	0.0	0.6	20.0	79.4
FCCL-GP-7	12/22/2020	0.0	1.0	19.6	79.4
FCCL-GP-7	3/17/2021	0.0	1.1	19.9	79.0
FCCL-GP-7	6/10/2021	0.0	0.7	19.7	79.6
FCCL-GP-7	6/10/2021	0.0	0.7	19.7	79.6
FCCL-GP-7	9/15/2021	0.0	0.9	18.9	80.2
FCCL-GP-7	11/24/2021	0.0	0.7	19.0	80.3
FCCL-GP-7	3/22/2022	0.0	0.6	19.0	80.4
FCCL-GP-7	5/3/2022	0.0	1.2	18.6	80.2
FCCL-GP-7	9/14/2022	0.0	0.4	20.1	79.5
FCCL-GP-7	12/23/2022	0.0	0.5	20.2	79.3
FCCL-GP-7	3/8/2023	0.0	5.6	7.6	86.8
FCCL-GP-7	6/23/2023	0.0	3.1	8.8	88.1
FCCL-GP-7	9/27/2023	0.0	2.6	9.1	88.3
FCCL-GP-7	12/18/2023	0.0	1.0	19.6	79.4
FCCL-GP-8	1/10/2007	0.0	2.6	15.7	81.7
FCCL-GP-8	4/30/2007	0.0	2.7	14.9	82.4
FCCL-GP-8	7/31/2007	0.0	0.0	19.8	80.2
FCCL-GP-8	12/27/2007	0.0	0.3	20.4	79.3
FCCL-GP-8	2/21/2008	0.0	0.0	20.9	79.1
FCCL-GP-8	6/12/2008	0.0	1.8	16.3	81.9
FCCL-GP-8	9/29/2008	0.0	0.3	20.0	79.7
FCCL-GP-8	11/2/2008	0.0	0.3	20.0	79.7
FCCL-GP-8	3/26/2009	0.0	0.3	19.7	80.0
FCCL-GP-8	6/16/2009	0.0	0.4	20.1	79.5
FCCL-GP-8	9/28/2009	0.0	0.4	20.0	79.6
FCCL-GP-8	12/8/2009	0.5	3.5	16.1	79.9
FCCL-GP-8	2/12/2010	0.0	0.0	20.4	79.6
FCCL-GP-8	6/18/2010	0.0	0.5	19.0	80.5
FCCL-GP-8	9/3/2010	0.0	0.0	20.1	79.9
FCCL-GP-8	11/5/2010	0.0	0.8	17.6	81.6

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-8	1/20/2011	0.0	0.6	18.9	80.5
FCCL-GP-8	4/14/2011	0.0	0.2	17.6	82.2
FCCL-GP-8	7/7/2011	0.0	0.4	18.8	80.8
FCCL-GP-8	10/13/2011	0.0	0.5	18.1	81.4
FCCL-GP-8	1/18/2012	0.0	0.1	19.8	80.1
FCCL-GP-8	4/13/2012	0.0	0.0	19.7	80.3
FCCL-GP-8	7/5/2012	0.0	0.8	19.6	79.6
FCCL-GP-8	10/2/2012	0.0	0.6	17.6	81.8
FCCL-GP-8	1/16/2013	0.0	0.5	18.4	81.1
FCCL-GP-8	4/11/2013	0.0	1.3	18.3	80.4
FCCL-GP-8	7/2/2013	0.0	1.1	16.4	82.5
FCCL-GP-8	12/17/2013	0.0	0.6	18.9	80.5
FCCL-GP-8	2/25/2014	0.0	1.0	18.0	81.0
FCCL-GP-8	4/3/2014	0.0	0.7	18.8	80.5
FCCL-GP-8	7/29/2014	0.0	0.7	17.3	82.0
FCCL-GP-8	10/23/2014	0.0	0.6	19.5	79.9
FCCL-GP-8	2/17/2015	0.0	0.9	18.6	80.5
FCCL-GP-8	6/10/2015	0.0	0.2	17.9	81.9
FCCL-GP-8	9/23/2015	0.0	0.9	17.5	81.6
FCCL-GP-8	12/30/2015	0.0	0.4	20.0	79.6
FCCL-GP-8	3/24/2016	0.0	0.5	19.3	80.2
FCCL-GP-8	6/24/2016	0.0	1.2	19.5	79.3
FCCL-GP-8	9/21/2016	0.0	0.8	19.7	79.5
FCCL-GP-8	12/29/2016	0.0	0.6	20.6	78.8
FCCL-GP-8	3/16/2017	0.0	0.9	19.3	79.8
FCCL-GP-8	6/22/2017	0.0	1.7	17.0	81.3
FCCL-GP-8	9/22/2017	0.0	0.7	19.8	79.5
FCCL-GP-8	12/12/2017	0.0	0.3	19.4	80.3
FCCL-GP-8	3/20/2018	0.0	0.8	20.4	78.8
FCCL-GP-8	9/19/2018	0.0	0.5	20.5	79.0
FCCL-GP-8	12/26/2018	0.0	0.9	19.6	79.5
FCCL-GP-8	3/26/2019	0.0	1.9	18.5	79.6
FCCL-GP-8	6/18/2019	0.0	0.9	19.9	79.2
FCCL-GP-8	9/25/2019	0.0	0.7	19.2	80.1
FCCL-GP-8	12/20/2019	0.0	0.1	20.4	79.5
FCCL-GP-8	3/20/2020	0.0	0.1	20.6	79.3
FCCL-GP-8	6/20/2020	0.0	0.1	20.9	79.0
FCCL-GP-8	9/25/2020	0.0	0.3	20.4	79.3
FCCL-GP-8	12/22/2020	0.0	0.9	19.8	79.3
FCCL-GP-8	3/17/2021	0.0	1.1	19.9	79.0
FCCL-GP-8	6/10/2021	0.0	0.1	20.2	79.7
FCCL-GP-8	6/10/2021	0.0	0.1	20.2	79.7
FCCL-GP-8	9/15/2021	0.0	0.1	19.5	80.4
FCCL-GP-8	11/24/2021	0.0	0.2	19.6	80.2
FCCL-GP-8	3/22/2022	0.0	0.1	19.9	80.0
FCCL-GP-8	5/3/2022	0.0	0.4	19.8	79.8
FCCL-GP-8	9/14/2022	0.0	0.0	20.7	79.3
FCCL-GP-8	12/23/2022	0.0	0.2	20.7	79.1
FCCL-GP-8	3/8/2023	0.0	3.7	15.3	81.0
FCCL-GP-8	6/23/2023	0.0	2.3	16.9	80.8
FCCL-GP-8	9/27/2023	0.0	3.0	17.2	79.8
FCCL-GP-8	12/18/2023	0.0	1.4	19.3	79.3

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-10	1/10/2007	0.0	2.4	18.0	79.6
FCCL-GP-10	4/30/2007	0.0	5.0	16.0	79.0
FCCL-GP-10	7/31/2007	0.0	0.0	19.9	80.1
FCCL-GP-10	12/27/2007	0.0	1.6	18.6	79.8
FCCL-GP-10	2/21/2008	0.0	3.8	13.5	82.7
FCCL-GP-10	6/12/2008	0.0	3.2	17.6	79.2
FCCL-GP-10	9/29/2008	0.0	26.0	18.8	55.2
FCCL-GP-10	11/2/2008	0.0	2.2	18.4	79.4
FCCL-GP-10	3/26/2009	0.0	2.2	18.4	79.4
FCCL-GP-10	6/16/2009	0.0	2.0	18.9	79.1
FCCL-GP-10	9/28/2009	0.0	1.9	19.8	78.3
FCCL-GP-10	12/8/2009	0.0	1.4	19.3	79.3
FCCL-GP-10	2/12/2010	0.0	3.1	16.4	80.5
FCCL-GP-10	6/18/2010	0.0	3.9	16.7	79.4
FCCL-GP-10	9/3/2010	0.0	3.9	17.6	78.5
FCCL-GP-10	11/5/2010	0.0	2.9	17.1	80.0
FCCL-GP-10	1/20/2011	0.0	2.3	18.3	79.4
FCCL-GP-10	4/14/2011	0.0	2.3	18.3	79.4
FCCL-GP-10	7/7/2011	0.0	2.9	17.6	79.5
FCCL-GP-10	10/13/2011	0.1	3.0	17.1	79.8
FCCL-GP-10	1/18/2012	0.0	2.1	18.3	79.6
FCCL-GP-10	4/13/2012	0.0	3.5	19.5	77.0
FCCL-GP-10	7/5/2012	0.0	2.4	18.9	78.7
FCCL-GP-10	10/2/2012	0.2	2.8	16.5	80.5
FCCL-GP-10	1/16/2013	0.0	3.5	16.4	80.1
FCCL-GP-10	4/11/2013	0.0	3.4	17.5	79.1
FCCL-GP-10	7/2/2013	0.0	2.1	16.6	81.3
FCCL-GP-10	12/17/2013	0.0	2.5	17.4	80.1
FCCL-GP-10	2/25/2014	0.0	1.9	17.7	80.4
FCCL-GP-10	4/3/2014	0.0	3.1	16.0	80.9
FCCL-GP-10	7/29/2014	0.0	2.3	16.2	81.5
FCCL-GP-10	10/23/2014	0.0	2.4	18.2	79.4
FCCL-GP-10	2/17/2015	0.0	2.5	17.6	79.9
FCCL-GP-10	6/10/2015	0.0	1.6	16.8	81.6
FCCL-GP-10	9/23/2015	0.0	1.5	16.7	81.8
FCCL-GP-10	12/30/2015	0.0	1.4	19.1	79.5
FCCL-GP-10	3/24/2016	0.0	3.2	16.7	80.1
FCCL-GP-10	6/24/2016	0.0	1.7	19.1	79.2
FCCL-GP-10	9/21/2016	0.0	1.6	18.6	79.8
FCCL-GP-10	12/29/2016	0.0	1.8	18.9	79.3
FCCL-GP-10	3/16/2017	0.0	5.8	9.8	84.4
FCCL-GP-10	6/22/2017	0.0	5.8	14.6	79.6
FCCL-GP-10	9/22/2017	0.0	4.4	16.7	78.9
FCCL-GP-10	12/12/2017	0.0	3.5	16.8	79.7
FCCL-GP-10	3/20/2018	0.0	3.5	18.3	78.2
FCCL-GP-10	9/19/2018	0.0	2.8	18.3	78.9
FCCL-GP-10	12/26/2018	0.0	1.7	19.1	79.2
FCCL-GP-10	3/26/2019	0.0	6.2	10.7	83.1
FCCL-GP-10	6/18/2019	0.0	5.6	16.1	78.3
FCCL-GP-10	9/25/2019	0.0	4.5	15.9	79.6
FCCL-GP-10	12/20/2019	0.0	2.6	18.4	79.0
FCCL-GP-10	3/20/2020	0.0	3.5	17.4	79.1

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-10	6/20/2020	0.0	4.5	17.7	77.8
FCCL-GP-10	9/25/2020	0.0	2.7	18.5	78.8
FCCL-GP-10	12/22/2020	0.0	2.0	19.2	78.8
FCCL-GP-10	3/17/2021	0.0	4.0	16.7	79.3
FCCL-GP-10	6/10/2021	0.0	1.9	19.1	79.0
FCCL-GP-10	6/10/2021	0.0	1.9	19.1	79.0
FCCL-GP-10	9/15/2021	0.0	1.9	18.1	80.0
FCCL-GP-10	11/24/2021	0.0	1.7	19.0	79.3
FCCL-GP-10	3/22/2022	0.0	0.1	19.3	80.6
FCCL-GP-10	5/3/2022	0.0	1.7	19.0	79.3
FCCL-GP-10	9/14/2022	0.0	1.3	18.8	79.9
FCCL-GP-10	12/23/2022	0.0	1.5	18.8	79.7
FCCL-GP-10	3/8/2023	0.0	5.1	16.9	78.0
FCCL-GP-10	6/23/2023	0.0	6.5	14.4	79.1
FCCL-GP-10	9/27/2023	0.0	4.6	15.3	80.1
FCCL-GP-10	12/18/2023	0.0	3.4	18.1	78.5
FCCL-GP-11	12/20/2019	0.0	2.3	18.6	79.1
FCCL-GP-11	12/20/2019	0.0	0.4	20.3	79.3
FCCL-GP-11	12/20/2019	0.0	0.5	20.3	79.2
FCCL-GP-11	3/20/2020	0.0	2.3	18.5	79.2
FCCL-GP-11	3/20/2020	0.0	0.3	20.5	79.2
FCCL-GP-11	3/20/2020	0.0	0.3	20.4	79.3
FCCL-GP-11	6/20/2020	0.0	3.1	19.3	77.6
FCCL-GP-11	6/20/2020	0.0	0.2	20.9	78.9
FCCL-GP-11	6/20/2020	0.0	0.2	20.9	78.9
FCCL-GP-11	9/25/2020	0.0	2.2	19.2	78.6
FCCL-GP-11	9/25/2020	0.0	0.8	19.9	79.3
FCCL-GP-11	9/25/2020	0.0	1.7	19.5	78.8
FCCL-GP-11	12/22/2020	0.0	2.4	19.2	78.4
FCCL-GP-11	12/22/2020	0.0	1.4	20.0	78.6
FCCL-GP-11	12/22/2020	0.0	2.0	19.7	78.3
FCCL-GP-11	3/17/2021	0.0	2.8	18.1	79.1
FCCL-GP-11	3/17/2021	0.0	0.9	20.3	78.8
FCCL-GP-11	3/17/2021	0.0	1.4	19.8	78.8
FCCL-GP-11S	1/10/2007	0.0	0.1	19.8	80.1
FCCL-GP-11S	4/30/2007	0.0	1.1	19.1	79.8
FCCL-GP-11S	7/31/2007	0.0	1.2	17.8	81.0
FCCL-GP-11S	12/27/2007	0.0	1.8	18.6	79.6
FCCL-GP-11S	2/21/2008	0.1	11.0	3.6	85.3
FCCL-GP-11S	6/12/2008	0.0	3.8	16.8	79.4
FCCL-GP-11S	9/29/2008	0.0	2.9	18.1	79.0
FCCL-GP-11S	11/2/2008	0.0	2.7	18.1	79.2
FCCL-GP-11S	3/26/2009	0.0	4.6	15.1	80.3
FCCL-GP-11S	6/16/2009	0.0	2.5	18.7	78.8
FCCL-GP-11S	9/28/2009	0.0	2.4	18.6	79.0
FCCL-GP-11S	12/8/2009	0.2	4.2	17.6	78.0
FCCL-GP-11S	2/12/2010	0.0	0.3	20.6	79.1
FCCL-GP-11S	6/18/2010	0.0	5.7	15.6	78.7
FCCL-GP-11S	9/3/2010	0.0	3.8	16.7	79.5
FCCL-GP-11S	11/5/2010	0.1	4.1	13.1	82.7
FCCL-GP-11S	12/10/2010	0.1	5.0	15.7	79.2
FCCL-GP-11S	12/17/2010	0.1	7.6	11.8	80.5

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-11S	12/29/2010	0.6	5.5	12.4	81.5
FCCL-GP-11S	1/3/2011	0.0	6.3	12.4	81.3
FCCL-GP-11S	1/12/2011	0.1	5.7	15.5	78.7
FCCL-GP-11S	1/20/2011	0.0	4.8	14.4	80.8
FCCL-GP-11S	1/27/2011	0.0	4.7	16.0	79.3
FCCL-GP-11S	2/4/2011	0.0	4.6	16.3	79.1
FCCL-GP-11S	2/10/2011	0.0	4.7	14.3	81.0
FCCL-GP-11S	2/15/2011	0.0	4.1	16.5	79.4
FCCL-GP-11S	2/23/2011	0.0	5.5	13.9	80.6
FCCL-GP-11S	3/1/2011	0.0	5.1	14.5	80.4
FCCL-GP-11S	3/10/2011	0.0	4.9	15.4	79.7
FCCL-GP-11S	3/16/2011	0.0	5.1	14.8	80.1
FCCL-GP-11S	3/24/2011	0.0	6.2	13.5	80.3
FCCL-GP-11S	3/31/2011	0.0	4.5	15.0	80.5
FCCL-GP-11S	4/6/2011	0.0	4.8	15.4	79.8
FCCL-GP-11S	4/11/2011	0.0	5.2	15.3	79.5
FCCL-GP-11S	4/14/2011	0.0	5.2	15.3	79.5
FCCL-GP-11S	4/27/2011	0.0	6.0	15.7	78.3
FCCL-GP-11S	5/4/2011	0.0	4.5	17.0	78.5
FCCL-GP-11S	5/10/2011	0.0	5.6	16.7	77.7
FCCL-GP-11S	5/18/2011	0.0	5.5	17.2	77.3
FCCL-GP-11S	5/26/2011	0.0	4.9	18.0	77.1
FCCL-GP-11S	5/31/2011	0.0	4.0	17.8	78.2
FCCL-GP-11S	6/14/2011	0.0	3.3	17.4	79.3
FCCL-GP-11S	6/22/2011	0.0	3.4	17.4	79.2
FCCL-GP-11S	6/28/2011	0.0	3.5	17.7	78.8
FCCL-GP-11S	7/5/2011	0.0	3.3	17.4	79.3
FCCL-GP-11S	7/7/2011	0.1	3.1	17.1	79.7
FCCL-GP-11S	7/11/2011	0.0	3.4	17.9	78.7
FCCL-GP-11S	7/21/2011	0.0	3.5	17.8	78.7
FCCL-GP-11S	8/1/2011	0.0	2.9	17.7	79.4
FCCL-GP-11S	8/9/2011	0.0	3.0	17.7	79.3
FCCL-GP-11S	10/13/2011	0.1	2.2	17.7	80.0
FCCL-GP-11S	1/18/2012	0.0	1.5	18.9	79.6
FCCL-GP-11S	4/13/2012	0.0	0.9	19.1	80.0
FCCL-GP-11S	7/5/2012	0.0	1.4	19.8	78.8
FCCL-GP-11S	10/2/2012	0.0	1.1	18.2	80.7
FCCL-GP-11S	1/16/2013	0.0	1.9	17.8	80.3
FCCL-GP-11S	4/11/2013	0.0	1.8	18.9	79.3
FCCL-GP-11S	7/2/2013	0.0	0.9	18.0	81.1
FCCL-GP-11S	12/17/2013	0.0	1.0	19.0	80.0
FCCL-GP-11S	2/25/2014	0.0	1.2	18.4	80.4
FCCL-GP-11S	4/3/2014	0.0	1.7	17.5	80.8
FCCL-GP-11S	7/29/2014	0.0	2.0	16.2	81.8
FCCL-GP-11S	10/23/2014	0.0	2.6	18.2	79.2
FCCL-GP-11S	2/17/2015	0.0	3.0	17.3	79.7
FCCL-GP-11S	6/10/2015	0.0	1.9	16.6	81.5
FCCL-GP-11S	9/23/2015	0.0	1.8	16.7	81.5
FCCL-GP-11S	12/30/2015	0.0	1.8	19.2	79.0
FCCL-GP-11S	3/24/2016	0.0	2.2	18.0	79.8
FCCL-GP-11S	6/24/2016	0.0	1.6	19.3	79.1
FCCL-GP-11S	9/21/2016	0.0	1.5	18.9	79.6

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FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-11S	12/29/2016	0.0	1.9	19.1	79.0
FCCL-GP-11S	3/16/2017	0.0	3.8	16.5	79.7
FCCL-GP-11S	6/22/2017	0.0	2.9	17.7	79.4
FCCL-GP-11S	9/22/2017	0.0	2.8	18.5	78.7
FCCL-GP-11S	12/12/2017	0.0	2.3	18.5	79.2
FCCL-GP-11S	3/20/2018	0.0	2.5	19.5	78.0
FCCL-GP-11S	9/19/2018	0.0	1.8	19.5	78.7
FCCL-GP-11S	12/26/2018	0.0	2.0	19.2	78.8
FCCL-GP-11S	3/26/2019	0.0	3.6	17.2	79.2
FCCL-GP-11S	6/18/2019	0.0	3.8	17.7	78.5
FCCL-GP-11S	9/25/2019	0.0	2.1	18.2	79.7
FCCL-GP-11S	6/10/2021	0.0	2.0	18.8	79.2
FCCL-GP-11S	6/10/2021	0.0	2.0	18.8	79.2
FCCL-GP-11S	9/15/2021	0.0	2.0	18.0	80.0
FCCL-GP-11S	11/24/2021	0.0	2.6	18.2	79.2
FCCL-GP-11S	3/22/2022	0.0	2.3	18.3	79.4
FCCL-GP-11S	5/3/2022	0.0	2.3	18.6	79.1
FCCL-GP-11S	9/14/2022	0.0	2.1	18.6	79.3
FCCL-GP-11S	12/23/2022	0.0	2.1	19.1	78.8
FCCL-GP-11S	3/8/2023	0.0	3.6	17.1	79.3
FCCL-GP-11S	6/23/2023	0.0	2.8	18.0	79.2
FCCL-GP-11S	9/27/2023	0.0	3.1	17.8	79.1
FCCL-GP-11S	12/18/2023	0.0	2.4	18.6	79.0
FCCL-GP-11M	12/27/2007	0.0	0.0	20.8	79.2
FCCL-GP-11M	2/21/2008	0.0	9.4	20.7	69.9
FCCL-GP-11M	6/12/2008	0.0	0.0	19.4	80.6
FCCL-GP-11M	9/29/2008	0.0	0.1	19.7	80.2
FCCL-GP-11M	11/2/2008	0.0	1.6	17.9	80.5
FCCL-GP-11M	3/26/2009	0.0	6.0	19.7	74.3
FCCL-GP-11M	6/16/2009	0.0	8.2	8.6	83.2
FCCL-GP-11M	9/28/2009	0.0	8.1	8.7	83.2
FCCL-GP-11M	12/8/2009	0.2	0.3	20.0	79.5
FCCL-GP-11M	2/12/2010	0.0	0.3	20.0	79.7
FCCL-GP-11M	6/18/2010	0.0	0.0	20.1	79.9
FCCL-GP-11M	9/3/2010	0.0	0.0	19.9	80.1
FCCL-GP-11M	11/5/2010	5.7	13.4	4.1	76.8
FCCL-GP-11M	12/10/2010	0.0	0.3	20.0	79.7
FCCL-GP-11M	12/17/2010	0.0	0.1	20.5	79.4
FCCL-GP-11M	12/29/2010	11.2	18.4	2.8	67.6
FCCL-GP-11M	1/3/2011	0.0	0.2	19.9	79.9
FCCL-GP-11M	1/12/2011	0.1	0.1	20.5	79.3
FCCL-GP-11M	1/20/2011	0.0	0.6	19.8	79.6
FCCL-GP-11M	1/27/2011	0.0	0.4	19.6	80.0
FCCL-GP-11M	2/4/2011	0.0	0.1	19.8	80.1
FCCL-GP-11M	2/10/2011	0.0	0.2	19.5	80.3
FCCL-GP-11M	2/15/2011	0.0	0.2	20.3	79.5
FCCL-GP-11M	2/23/2011	0.0	0.1	19.7	80.2
FCCL-GP-11M	3/1/2011	0.0	0.2	19.6	80.2
FCCL-GP-11M	3/10/2011	0.0	0.1	20.4	79.5
FCCL-GP-11M	3/16/2011	0.0	2.1	17.0	80.9
FCCL-GP-11M	3/24/2011	0.0	0.1	20.6	79.3
FCCL-GP-11M	3/31/2011	0.0	5.3	12.8	81.9

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-11M	4/6/2011	0.0	0.5	19.6	79.9
FCCL-GP-11M	4/11/2011	0.0	0.1	20.2	79.7
FCCL-GP-11M	4/14/2011	0.0	0.1	20.2	79.7
FCCL-GP-11M	4/27/2011	0.0	0.1	20.5	79.4
FCCL-GP-11M	5/4/2011	0.0	12.0	6.5	81.5
FCCL-GP-11M	5/10/2011	0.0	0.2	20.7	79.1
FCCL-GP-11M	5/18/2011	0.0	12.1	8.1	79.8
FCCL-GP-11M	5/26/2011	0.0	0.1	21.3	78.6
FCCL-GP-11M	5/31/2011	0.0	0.2	20.7	79.1
FCCL-GP-11M	6/14/2011	0.0	0.2	19.8	80.0
FCCL-GP-11M	6/22/2011	0.0	0.0	19.6	80.4
FCCL-GP-11M	6/28/2011	0.0	0.2	19.9	79.9
FCCL-GP-11M	7/5/2011	0.0	0.1	19.6	80.3
FCCL-GP-11M	7/7/2011	0.0	0.1	19.4	80.5
FCCL-GP-11M	7/11/2011	0.0	0.1	20.1	79.8
FCCL-GP-11M	7/21/2011	0.0	0.2	19.8	80.0
FCCL-GP-11M	8/1/2011	0.0	0.2	19.6	80.2
FCCL-GP-11M	8/9/2011	0.0	0.1	19.5	80.4
FCCL-GP-11M	10/13/2011	0.0	0.5	18.7	80.8
FCCL-GP-11M	1/18/2012	0.0	0.2	19.5	80.3
FCCL-GP-11M	4/13/2012	0.0	0.5	19.1	80.4
FCCL-GP-11M	7/5/2012	0.0	0.0	20.7	79.3
FCCL-GP-11M	10/2/2012	0.0	2.5	17.2	80.3
FCCL-GP-11M	1/16/2013	0.0	2.6	18.0	79.4
FCCL-GP-11M	4/11/2013	0.0	1.1	19.5	79.4
FCCL-GP-11M	7/2/2013	0.0	0.0	18.4	81.6
FCCL-GP-11M	12/17/2013	0.0	4.4	17.4	78.2
FCCL-GP-11M	2/25/2014	0.0	0.7	18.9	80.4
FCCL-GP-11M	4/3/2014	0.0	0.4	19.3	80.3
FCCL-GP-11M	7/29/2014	0.0	0.6	17.4	82.0
FCCL-GP-11M	10/23/2014	0.0	0.5	19.4	80.1
FCCL-GP-11M	2/17/2015	0.0	0.4	19.6	80.0
FCCL-GP-11M	6/10/2015	0.0	0.7	17.4	81.9
FCCL-GP-11M	9/23/2015	0.0	0.1	17.3	82.6
FCCL-GP-11M	12/30/2015	0.0	0.1	20.2	79.7
FCCL-GP-11M	3/24/2016	0.0	0.8	19.0	80.2
FCCL-GP-11M	6/24/2016	0.0	0.5	20.0	79.5
FCCL-GP-11M	9/21/2016	0.0	1.5	18.8	79.7
FCCL-GP-11M	12/29/2016	0.0	0.5	20.3	79.2
FCCL-GP-11M	3/16/2017	0.0	0.4	19.9	79.7
FCCL-GP-11M	6/22/2017	0.0	4.2	16.9	78.9
FCCL-GP-11M	9/22/2017	0.0	1.0	19.8	79.2
FCCL-GP-11M	12/12/2017	0.0	1.3	19.0	79.7
FCCL-GP-11M	3/20/2018	0.0	1.6	20.2	78.2
FCCL-GP-11M	9/19/2018	0.0	1.7	19.4	78.9
FCCL-GP-11M	12/26/2018	0.0	0.1	21.0	78.9
FCCL-GP-11M	3/26/2019	0.0	5.9	15.6	78.5
FCCL-GP-11M	6/18/2019	0.0	0.6	20.3	79.1
FCCL-GP-11M	9/25/2019	0.0	4.6	16.2	79.2
FCCL-GP-11M	6/10/2021	0.0	0.2	20.3	79.5
FCCL-GP-11M	6/10/2021	0.0	0.2	20.3	79.5
FCCL-GP-11M	9/15/2021	0.0	1.1	18.6	80.3

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-11M	11/24/2021	0.0	2.3	18.4	79.3
FCCL-GP-11M	3/22/2022	0.0	2.3	18.4	79.3
FCCL-GP-11M	5/3/2022	0.0	3.5	18.0	78.5
FCCL-GP-11M	9/14/2022	0.0	1.8	19.0	79.2
FCCL-GP-11M	12/23/2022	0.0	2.2	19.2	78.6
FCCL-GP-11M	3/8/2023	0.0	0.1	21.1	78.8
FCCL-GP-11M	6/23/2023	0.0	2.1	18.1	79.8
FCCL-GP-11M	9/27/2023	0.0	6.1	14.9	79.0
FCCL-GP-11M	12/18/2023	0.0	6.9	15.7	77.4
FCCL-GP-11D	12/27/2007	0.0	0.1	20.5	79.4
FCCL-GP-11D	2/21/2008	0.0	4.4	11.2	84.4
FCCL-GP-11D	6/12/2008	0.0	0.1	19.3	80.6
FCCL-GP-11D	9/29/2008	0.0	0.2	19.7	80.1
FCCL-GP-11D	11/2/2008	0.0	3.8	16.0	80.2
FCCL-GP-11D	3/26/2009	0.0	0.8	19.8	79.4
FCCL-GP-11D	6/16/2009	0.8	4.7	15.1	79.4
FCCL-GP-11D	9/28/2009	0.7	5.1	13.9	80.3
FCCL-GP-11D	12/8/2009	0.5	4.1	14.2	81.2
FCCL-GP-11D	2/12/2010	0.0	6.3	10.5	83.2
FCCL-GP-11D	6/18/2010	0.0	0.0	20.1	79.9
FCCL-GP-11D	9/3/2010	0.0	0.5	19.8	79.7
FCCL-GP-11D	11/5/2010	12.1	18.1	2.0	67.8
FCCL-GP-11D	12/10/2010	0.0	0.4	19.9	79.7
FCCL-GP-11D	12/17/2010	0.0	0.3	20.4	79.3
FCCL-GP-11D	12/29/2010	5.2	15.6	2.1	77.1
FCCL-GP-11D	1/3/2011	0.0	0.2	20.1	79.7
FCCL-GP-11D	1/12/2011	0.1	0.1	20.5	79.3
FCCL-GP-11D	1/20/2011	0.0	0.6	19.7	79.7
FCCL-GP-11D	1/27/2011	0.0	0.0	20.3	79.7
FCCL-GP-11D	2/4/2011	0.0	0.7	19.1	80.2
FCCL-GP-11D	2/10/2011	0.0	0.2	19.3	80.5
FCCL-GP-11D	2/15/2011	0.0	7.5	14.2	78.3
FCCL-GP-11D	2/23/2011	0.0	0.1	19.3	80.6
FCCL-GP-11D	3/1/2011	4.6	18.2	0.1	77.1
FCCL-GP-11D	3/10/2011	0.0	0.2	20.4	79.4
FCCL-GP-11D	3/16/2011	4.4	19.9	0.7	75.0
FCCL-GP-11D	3/24/2011	0.0	0.1	20.7	79.2
FCCL-GP-11D	3/31/2011	4.1	18.8	0.0	77.1
FCCL-GP-11D	4/6/2011	0.0	0.5	19.6	79.9
FCCL-GP-11D	4/11/2011	1.2	15.7	2.6	80.5
FCCL-GP-11D	4/14/2011	1.2	15.7	2.6	80.5
FCCL-GP-11D	4/27/2011	1.2	0.1	20.5	78.2
FCCL-GP-11D	5/4/2011	0.4	18.0	2.7	78.9
FCCL-GP-11D	5/10/2011	0.4	3.1	18.8	77.7
FCCL-GP-11D	5/18/2011	0.4	17.2	4.4	78.0
FCCL-GP-11D	5/26/2011	0.4	0.0	21.3	78.3
FCCL-GP-11D	5/31/2011	0.4	0.2	20.7	78.7
FCCL-GP-11D	6/14/2011	0.0	0.2	19.7	80.1
FCCL-GP-11D	6/22/2011	0.0	0.2	19.6	80.2
FCCL-GP-11D	6/28/2011	0.0	0.2	19.8	80.0
FCCL-GP-11D	7/5/2011	0.0	0.1	19.5	80.4
FCCL-GP-11D	7/7/2011	0.0	0.1	19.5	80.4

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-11D	7/11/2011	0.0	0.0	20.1	79.9
FCCL-GP-11D	7/21/2011	0.0	0.3	19.7	80.0
FCCL-GP-11D	8/1/2011	0.0	0.2	19.5	80.3
FCCL-GP-11D	8/9/2011	0.0	2.9	17.5	79.6
FCCL-GP-11D	10/13/2011	0.0	1.2	18.3	80.5
FCCL-GP-11D	1/18/2012	0.0	0.2	19.5	80.3
FCCL-GP-11D	4/13/2012	0.0	0.6	19.2	80.2
FCCL-GP-11D	7/5/2012	0.0	0.0	20.7	79.3
FCCL-GP-11D	10/2/2012	0.0	6.4	15.2	78.4
FCCL-GP-11D	1/16/2013	0.0	5.5	16.7	77.8
FCCL-GP-11D	4/11/2013	0.0	5.7	17.2	77.1
FCCL-GP-11D	7/2/2013	0.0	0.1	18.4	81.5
FCCL-GP-11D	12/17/2013	0.0	8.3	14.9	76.8
FCCL-GP-11D	2/25/2014	0.0	1.0	18.7	80.3
FCCL-GP-11D	4/3/2014	0.0	0.4	19.3	80.3
FCCL-GP-11D	7/29/2014	0.0	0.9	17.2	81.9
FCCL-GP-11D	10/23/2014	0.0	0.4	19.4	80.2
FCCL-GP-11D	2/17/2015	0.0	0.4	19.5	80.1
FCCL-GP-11D	6/10/2015	0.0	1.2	17.1	81.7
FCCL-GP-11D	9/23/2015	0.0	0.4	17.6	82.0
FCCL-GP-11D	12/30/2015	0.0	0.2	20.1	79.7
FCCL-GP-11D	3/24/2016	0.0	2.8	17.7	79.5
FCCL-GP-11D	6/24/2016	0.0	0.7	19.9	79.4
FCCL-GP-11D	9/21/2016	0.0	3.5	17.9	78.6
FCCL-GP-11D	12/29/2016	0.0	1.1	20.2	78.7
FCCL-GP-11D	3/16/2017	0.0	0.8	19.4	79.8
FCCL-GP-11D	6/22/2017	0.0	6.7	15.9	77.4
FCCL-GP-11D	9/22/2017	0.0	1.5	19.5	79.0
FCCL-GP-11D	12/12/2017	0.0	4.3	17.1	78.6
FCCL-GP-11D	3/20/2018	0.0	5.5	17.4	77.1
FCCL-GP-11D	9/19/2018	0.0	4.6	17.5	77.9
FCCL-GP-11D	12/26/2018	0.0	0.1	21.0	78.9
FCCL-GP-11D	3/26/2019	0.0	7.3	15.3	77.4
FCCL-GP-11D	6/18/2019	0.0	1.5	19.6	78.9
FCCL-GP-11D	9/25/2019	0.0	6.8	15.0	78.2
FCCL-GP-11D	6/10/2021	0.0	0.7	19.9	79.4
FCCL-GP-11D	6/10/2021	0.0	0.7	19.9	79.4
FCCL-GP-11D	9/15/2021	0.0	1.7	18.3	80.0
FCCL-GP-11D	11/24/2021	0.0	2.1	18.6	79.3
FCCL-GP-11D	3/22/2022	0.0	2.4	18.2	79.4
FCCL-GP-11D	5/3/2022	0.0	2.5	18.6	78.9
FCCL-GP-11D	9/14/2022	0.0	1.8	1837.0	-1738.8
FCCL-GP-11D	12/23/2022	0.0	4.7	17.3	78.0
FCCL-GP-11D	3/8/2023	0.0	5.4	15.7	78.9
FCCL-GP-11D	6/23/2023	0.0	5.5	15.8	78.7
FCCL-GP-11D	9/27/2023	0.0	6.5	14.9	78.6
FCCL-GP-11D	12/18/2023	0.0	7.2	15.4	77.4
FCCL-GP-12	12/20/2019	0.0	0.9	20.0	79.1
FCCL-GP-12	12/20/2019	0.0	0.2	20.5	79.3
FCCL-GP-12	12/20/2019	0.0	0.5	20.3	79.2
FCCL-GP-12	3/20/2020	0.0	1.4	19.2	79.4
FCCL-GP-12	3/20/2020	0.0	0.1	20.8	79.1

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-12	3/20/2020	0.0	0.4	20.4	79.2
FCCL-GP-12	6/20/2020	0.0	1.1	20.7	78.2
FCCL-GP-12	6/20/2020	0.0	0.3	20.9	78.8
FCCL-GP-12	6/20/2020	0.0	0.5	20.9	78.6
FCCL-GP-12	9/25/2020	0.0	1.0	19.7	79.3
FCCL-GP-12	9/25/2020	0.0	0.5	20.2	79.3
FCCL-GP-12	9/25/2020	0.0	0.7	20.3	79.0
FCCL-GP-12	12/22/2020	0.0	1.7	19.8	78.5
FCCL-GP-12	12/22/2020	0.0	0.7	20.6	78.7
FCCL-GP-12	12/22/2020	0.0	1.6	20.0	78.4
FCCL-GP-12	3/17/2021	0.0	2.0	18.6	79.4
FCCL-GP-12	3/17/2021	0.0	0.2	20.6	79.2
FCCL-GP-12	3/17/2021	0.0	1.3	19.9	78.8
FCCL-GP-12S	12/27/2007	0.0	0.6	20.1	79.3
FCCL-GP-12S	2/21/2008	0.0	4.5	15.7	79.8
FCCL-GP-12S	6/12/2008	0.0	0.8	19.7	79.5
FCCL-GP-12S	9/29/2008	0.0	0.7	20.0	79.3
FCCL-GP-12S	11/2/2008	0.0	0.6	20.2	79.2
FCCL-GP-12S	3/26/2009	0.0	1.0	19.1	79.9
FCCL-GP-12S	6/16/2009	1.2	0.6	20.0	78.2
FCCL-GP-12S	9/28/2009	1.4	0.7	19.9	78.0
FCCL-GP-12S	12/8/2009	0.0	1.0	19.7	79.3
FCCL-GP-12S	2/12/2010	0.0	0.5	19.9	79.6
FCCL-GP-12S	6/18/2010	0.0	1.0	19.2	79.8
FCCL-GP-12S	9/3/2010	0.0	0.9	19.8	79.3
FCCL-GP-12S	11/5/2010	0.0	0.9	18.9	80.2
FCCL-GP-12S	1/20/2011	0.0	0.3	19.9	79.8
FCCL-GP-12S	4/14/2011	0.0	0.3	20.9	78.8
FCCL-GP-12S	7/7/2011	0.0	0.9	19.3	79.8
FCCL-GP-12S	10/13/2011	0.0	0.2	19.1	80.7
FCCL-GP-12S	1/18/2012	0.0	0.7	19.2	80.1
FCCL-GP-12S	4/13/2012	0.0	1.3	19.6	79.1
FCCL-GP-12S	7/5/2012	0.0	0.5	20.3	79.2
FCCL-GP-12S	10/2/2012	0.0	0.5	18.5	81.0
FCCL-GP-12S	1/16/2013	0.0	0.9	18.4	80.7
FCCL-GP-12S	4/11/2013	0.0	0.6	19.5	79.9
FCCL-GP-12S	7/2/2013	0.0	0.5	17.9	81.6
FCCL-GP-12S	12/17/2013	0.0	0.6	19.1	80.3
FCCL-GP-12S	2/25/2014	0.0	0.4	19.1	80.5
FCCL-GP-12S	4/3/2014	0.0	1.0	18.8	80.2
FCCL-GP-12S	7/29/2014	0.0	0.4	17.6	82.0
FCCL-GP-12S	10/23/2014	0.0	0.6	19.0	80.4
FCCL-GP-12S	2/17/2015	0.0	0.9	18.9	80.2
FCCL-GP-12S	6/10/2015	0.0	0.4	17.5	82.1
FCCL-GP-12S	9/23/2015	0.0	0.4	17.4	82.2
FCCL-GP-12S	12/30/2015	0.0	0.5	20.0	79.5
FCCL-GP-12S	3/24/2016	0.0	0.0	20.0	80.0
FCCL-GP-12S	6/24/2016	0.0	0.5	20.0	79.5
FCCL-GP-12S	9/21/2016	0.0	0.6	19.4	80.0
FCCL-GP-12S	12/29/2016	0.0	0.7	20.5	78.8
FCCL-GP-12S	3/16/2017	0.0	2.8	17.8	79.4
FCCL-GP-12S	6/22/2017	0.0	1.9	18.4	79.7

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-12S	9/22/2017	0.0	1.5	19.3	79.2
FCCL-GP-12S	12/12/2017	0.0	0.9	19.2	79.9
FCCL-GP-12S	3/20/2018	0.0	1.1	20.5	78.4
FCCL-GP-12S	9/19/2018	0.0	0.8	20.1	79.1
FCCL-GP-12S	12/26/2018	0.0	1.4	19.8	78.8
FCCL-GP-12S	3/26/2019	0.0	2.0	18.7	79.3
FCCL-GP-12S	6/18/2019	0.0	1.7	19.3	79.0
FCCL-GP-12S	9/25/2019	0.0	1.3	18.4	80.3
FCCL-GP-12S	6/10/2021	0.0	0.7	19.9	79.4
FCCL-GP-12S	6/10/2021	0.0	0.7	19.9	79.4
FCCL-GP-12S	9/15/2021	0.0	0.9	18.7	80.4
FCCL-GP-12S	11/24/2021	0.0	1.2	19.4	79.4
FCCL-GP-12S	3/22/2022	0.0	1.2	18.4	80.4
FCCL-GP-12S	5/3/2022	0.0	1.2	19.8	79.0
FCCL-GP-12S	9/14/2022	0.0	0.6	20.0	79.4
FCCL-GP-12S	12/23/2022	0.0	1.3	19.7	79.0
FCCL-GP-12S	3/8/2023	0.0	1.6	18.8	79.6
FCCL-GP-12S	6/23/2023	0.0	1.7	18.0	80.3
FCCL-GP-12S	9/27/2023	0.0	1.5	17.6	80.9
FCCL-GP-12S	12/18/2023	0.0	2.1	19.4	78.5
FCCL-GP-12M	12/27/2007	0.0	5.8	17.7	76.5
FCCL-GP-12M	2/21/2008	0.0	4.0	17.1	78.9
FCCL-GP-12M	6/12/2008	0.0	0.3	19.8	79.9
FCCL-GP-12M	9/29/2008	0.0	0.5	20.2	79.3
FCCL-GP-12M	11/2/2008	0.0	0.6	20.2	79.2
FCCL-GP-12M	3/26/2009	0.1	2.0	18.8	79.1
FCCL-GP-12M	6/16/2009	0.0	0.6	20.0	79.4
FCCL-GP-12M	9/28/2009	0.0	0.7	19.9	79.4
FCCL-GP-12M	12/8/2009	0.0	0.2	20.2	79.6
FCCL-GP-12M	2/12/2010	0.0	0.2	20.5	79.3
FCCL-GP-12M	6/18/2010	0.0	0.5	19.6	79.9
FCCL-GP-12M	9/3/2010	0.0	0.6	20.0	79.4
FCCL-GP-12M	11/5/2010	0.0	0.9	19.1	80.0
FCCL-GP-12M	1/20/2011	0.0	0.1	20.2	79.7
FCCL-GP-12M	4/14/2011	0.0	0.0	20.9	79.1
FCCL-GP-12M	7/7/2011	0.0	0.4	19.6	80.0
FCCL-GP-12M	10/13/2011	0.0	0.9	18.7	80.4
FCCL-GP-12M	1/18/2012	0.0	0.6	19.2	80.2
FCCL-GP-12M	4/13/2012	0.0	1.2	19.5	79.3
FCCL-GP-12M	7/5/2012	0.0	0.4	20.4	79.2
FCCL-GP-12M	10/2/2012	0.0	0.5	18.5	81.0
FCCL-GP-12M	1/16/2013	0.0	1.0	18.3	80.7
FCCL-GP-12M	4/11/2013	0.0	0.6	19.4	80.0
FCCL-GP-12M	7/2/2013	0.0	0.2	18.1	81.7
FCCL-GP-12M	12/17/2013	0.0	0.5	19.1	80.4
FCCL-GP-12M	2/25/2014	0.0	0.5	18.9	80.6
FCCL-GP-12M	4/3/2014	0.0	0.6	19.3	80.1
FCCL-GP-12M	7/29/2014	0.0	0.2	17.9	81.9
FCCL-GP-12M	10/23/2014	0.0	0.6	19.0	80.4
FCCL-GP-12M	2/17/2015	0.0	0.4	19.1	80.5
FCCL-GP-12M	6/10/2015	0.0	0.4	17.6	82.0
FCCL-GP-12M	9/23/2015	0.0	0.3	17.5	82.2

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-12M	12/30/2015	0.0	0.3	20.0	79.7
FCCL-GP-12M	3/24/2016	0.0	0.3	19.8	79.9
FCCL-GP-12M	6/24/2016	0.0	0.2	20.2	79.6
FCCL-GP-12M	9/21/2016	0.0	0.4	19.7	79.9
FCCL-GP-12M	12/29/2016	0.0	0.5	20.7	78.8
FCCL-GP-12M	3/16/2017	0.0	0.3	19.7	80.0
FCCL-GP-12M	6/22/2017	0.0	0.5	20.1	79.4
FCCL-GP-12M	9/22/2017	0.0	0.5	20.1	79.4
FCCL-GP-12M	12/12/2017	0.0	0.9	19.4	79.7
FCCL-GP-12M	3/20/2018	0.0	1.3	20.5	78.2
FCCL-GP-12M	9/19/2018	0.0	0.8	20.1	79.1
FCCL-GP-12M	12/26/2018	0.0	0.9	20.1	79.0
FCCL-GP-12M	3/26/2019	0.0	2.0	19.3	78.7
FCCL-GP-12M	6/18/2019	0.0	0.6	20.2	79.2
FCCL-GP-12M	9/25/2019	0.0	1.9	18.1	80.0
FCCL-GP-12M	6/10/2021	0.0	0.2	20.4	79.4
FCCL-GP-12M	6/10/2021	0.0	0.2	20.4	79.4
FCCL-GP-12M	9/15/2021	0.0	0.7	18.9	80.4
FCCL-GP-12M	11/24/2021	0.0	1.5	19.2	79.3
FCCL-GP-12M	3/22/2022	0.0	2.2	17.9	79.9
FCCL-GP-12M	5/3/2022	0.0	2.3	18.9	78.8
FCCL-GP-12M	9/14/2022	0.0	1.3	19.6	79.1
FCCL-GP-12M	12/23/2022	0.0	2.7	18.9	78.4
FCCL-GP-12M	3/8/2023	0.0	0.1	20.6	79.3
FCCL-GP-12M	6/23/2023	0.0	0.8	18.9	80.3
FCCL-GP-12M	9/27/2023	0.0	5.3	14.3	80.4
FCCL-GP-12M	12/18/2023	0.0	4.8	17.4	77.8
FCCL-GP-12D	12/27/2007	0.0	0.0	20.9	79.1
FCCL-GP-12D	2/21/2008	0.0	4.9	15.9	79.2
FCCL-GP-12D	6/12/2008	0.0	0.0	0.0	100.0
FCCL-GP-12D	9/29/2008	0.0	0.0	20.4	79.6
FCCL-GP-12D	11/2/2008	0.0	0.0	20.5	79.5
FCCL-GP-12D	3/26/2009	0.1	6.6	14.0	79.3
FCCL-GP-12D	6/16/2009	0.0	0.4	20.1	79.5
FCCL-GP-12D	9/28/2009	0.0	0.5	19.9	79.6
FCCL-GP-12D	12/8/2009	0.0	0.1	20.2	79.7
FCCL-GP-12D	2/12/2010	0.0	0.1	20.6	79.3
FCCL-GP-12D	6/18/2010	0.0	0.0	20.2	79.8
FCCL-GP-12D	9/3/2010	0.0	0.0	20.5	79.5
FCCL-GP-12D	11/5/2010	0.0	3.0	17.0	80.0
FCCL-GP-12D	1/20/2011	0.0	0.0	20.2	79.8
FCCL-GP-12D	4/14/2011	0.0	0.1	20.9	79.0
FCCL-GP-12D	7/7/2011	0.0	0.0	20.1	79.9
FCCL-GP-12D	10/13/2011	0.0	1.0	18.6	80.4
FCCL-GP-12D	1/18/2012	0.0	0.0	19.6	80.4
FCCL-GP-12D	4/13/2012	0.0	0.0	20.1	79.9
FCCL-GP-12D	7/5/2012	0.0	0.0	20.6	79.4
FCCL-GP-12D	10/2/2012	0.0	3.0	16.4	80.6
FCCL-GP-12D	1/16/2013	0.0	2.2	17.7	80.1
FCCL-GP-12D	4/11/2013	0.0	3.8	17.2	79.0
FCCL-GP-12D	7/2/2013	0.0	0.1	18.2	81.7
FCCL-GP-12D	12/17/2013	0.0	2.2	17.8	80.0

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-12D	2/25/2014	0.0	0.2	19.1	80.7
FCCL-GP-12D	4/3/2014	0.0	0.2	19.7	80.1
FCCL-GP-12D	7/29/2014	0.0	0.1	17.9	82.0
FCCL-GP-12D	10/23/2014	0.0	0.2	19.2	80.6
FCCL-GP-12D	2/17/2015	0.0	0.1	19.3	80.6
FCCL-GP-12D	6/10/2015	0.0	0.5	17.6	81.9
FCCL-GP-12D	9/23/2015	0.0	0.1	17.6	82.3
FCCL-GP-12D	12/30/2015	0.0	0.1	20.2	79.7
FCCL-GP-12D	3/24/2016	0.0	0.9	19.3	79.8
FCCL-GP-12D	6/24/2016	0.0	0.2	20.3	79.5
FCCL-GP-12D	9/21/2016	0.0	1.7	18.7	79.6
FCCL-GP-12D	12/29/2016	0.0	0.9	20.5	78.6
FCCL-GP-12D	3/16/2017	0.0	1.3	18.9	79.8
FCCL-GP-12D	6/22/2017	0.0	4.5	16.6	78.9
FCCL-GP-12D	9/22/2017	0.0	0.9	19.9	79.2
FCCL-GP-12D	12/12/2017	0.0	0.7	19.6	79.7
FCCL-GP-12D	3/20/2018	0.0	1.2	20.6	78.2
FCCL-GP-12D	9/19/2018	0.0	0.9	20.1	79.0
FCCL-GP-12D	12/26/2018	0.0	1.7	19.7	78.6
FCCL-GP-12D	3/26/2019	0.0	2.8	18.3	78.9
FCCL-GP-12D	6/18/2019	0.0	1.0	20.0	79.0
FCCL-GP-12D	9/25/2019	0.0	2.4	17.8	79.8
FCCL-GP-12D	6/10/2021	0.0	0.4	20.2	79.4
FCCL-GP-12D	6/10/2021	0.0	0.4	20.2	79.4
FCCL-GP-12D	9/15/2021	0.0	0.6	18.9	80.5
FCCL-GP-12D	11/24/2021	0.0	1.0	19.6	79.4
FCCL-GP-12D	3/22/2022	0.0	1.7	18.5	79.8
FCCL-GP-12D	5/3/2022	0.0	2.2	18.9	78.9
FCCL-GP-12D	9/14/2022	0.0	0.6	20.0	79.4
FCCL-GP-12D	12/23/2022	0.0	1.7	19.4	78.9
FCCL-GP-12D	3/8/2023	0.0	1.7	19.2	79.1
FCCL-GP-12D	6/23/2023	0.0	1.3	18.8	79.9
FCCL-GP-12D	9/27/2023	0.0	10.0	12.3	77.7
FCCL-GP-12D	12/18/2023	0.0	5.0	17.6	77.4
FCCL-GP-13	6/18/2010	35.3	25.5	3.1	36.1
FCCL-GP-13	9/3/2010	26.4	22.7	5.5	45.4
FCCL-GP-13	11/5/2010	32.2	25.5	2.6	39.7
FCCL-GP-13	1/20/2011	1.1	0.8	19.4	78.7
FCCL-GP-13	2/4/2011	0.1	0.2	19.4	80.3
FCCL-GP-13	2/10/2011	0.9	0.7	13.8	84.6
FCCL-GP-13	2/23/2011	0.2	0.2	20.1	79.5
FCCL-GP-13	3/1/2011	0.2	0.3	20.1	79.4
FCCL-GP-13	3/10/2011	5.1	3.1	18.4	73.4
FCCL-GP-13	3/16/2011	8.8	5.7	15.8	69.7
FCCL-GP-13	3/24/2011	4.3	2.9	18.7	74.1
FCCL-GP-13	3/31/2011	7.0	4.5	16.8	71.7
FCCL-GP-13	4/6/2011	10.5	7.8	14.5	67.2
FCCL-GP-13	4/11/2011	2.4	1.9	18.8	76.9
FCCL-GP-13	4/14/2011	5.3	3.6	10.3	80.8
FCCL-GP-13	4/27/2011	7.6	5.4	16.5	70.5
FCCL-GP-13	5/4/2011	10.3	7.4	14.0	68.3
FCCL-GP-13	5/10/2011	14.2	11.6	12.5	61.7

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-13	5/18/2011	13.9	11.3	13.2	61.6
FCCL-GP-13	5/26/2011	5.9	4.5	18.2	71.4
FCCL-GP-13	5/31/2011	5.9	4.1	17.3	72.7
FCCL-GP-13	6/14/2011	10.1	7.8	14.9	67.2
FCCL-GP-13	6/22/2011	10.3	8.4	13.6	67.7
FCCL-GP-13	6/28/2011	10.3	8.4	14.0	67.3
FCCL-GP-13	7/5/2011	6.9	6.3	14.7	72.1
FCCL-GP-13	7/7/2011	9.0	7.4	14.6	69.0
FCCL-GP-13	7/11/2011	7.4	6.5	15.3	70.8
FCCL-GP-13	7/21/2011	7.9	7.6	15.0	69.5
FCCL-GP-13	8/1/2011	9.4	8.2	13.6	68.8
FCCL-GP-13	8/9/2011	24.6	24.3	4.0	47.1
FCCL-GP-13	10/13/2011	7.3	68.0	15.1	9.6
FCCL-GP-13	1/18/2012	1.3	1.6	19.2	77.9
FCCL-GP-13	4/13/2012	3.7	7.1	15.6	73.6
FCCL-GP-13	7/5/2012	0.7	2.1	19.1	78.1
FCCL-GP-13	10/2/2012	1.9	5.2	15.6	77.3
FCCL-GP-13	1/16/2013	0.4	1.5	18.9	79.2
FCCL-GP-13	4/11/2013	1.3	2.8	17.0	78.9
FCCL-GP-13	7/2/2013	1.7	4.0	15.9	78.4
FCCL-GP-13	12/18/2013	4.2	7.8	13.5	74.5
FCCL-GP-13	2/25/2014	2.9	6.0	14.3	76.8
FCCL-GP-13	4/3/2014	1.8	3.7	16.7	77.8
FCCL-GP-13	7/30/2014	2.5	6.2	14.0	77.3
FCCL-GP-13	10/24/2014	1.5	3.7	15.9	78.9
FCCL-GP-13	2/17/2015	0.7	1.4	18.2	79.7
FCCL-GP-13	7/30/2015	1.5	3.0	16.3	79.2
FCCL-GP-13	9/23/2015	1.0	2.4	15.8	80.8
FCCL-GP-13	12/30/2015	0.5	1.0	19.0	79.5
FCCL-GP-13	3/24/2016	0.7	1.5	18.6	79.2
FCCL-GP-13	6/24/2016	1.7	4.1	17.0	77.2
FCCL-GP-13	9/21/2016	1.6	4.8	15.8	77.8
FCCL-GP-13	12/29/2016	0.5	1.3	19.7	78.5
FCCL-GP-13	3/16/2017	0.9	2.4	18.0	78.7
FCCL-GP-13	6/22/2017	3.8	11.2	11.2	73.8
FCCL-GP-13	9/22/2017	2.7	7.1	14.6	75.6
FCCL-GP-13	12/12/2017	1.7	3.4	16.9	78.0
FCCL-GP-13	3/20/2018	2.2	5.5	16.2	76.1
FCCL-GP-13	9/19/2018	2.5	5.0	16.2	76.3
FCCL-GP-13	12/26/2018	2.9	5.9	15.2	76.0
FCCL-GP-13	3/26/2019	2.8	4.9	15.9	76.4
FCCL-GP-13	6/18/2019	2.1	4.4	16.5	77.0
FCCL-GP-13	9/25/2019	3.3	7.1	13.9	75.7
FCCL-GP-13	12/20/2019	1.1	2.1	18.7	78.1
FCCL-GP-13	3/20/2020	0.0	0.1	20.9	79.0
FCCL-GP-13	6/20/2020	1.2	3.0	18.0	77.8
FCCL-GP-13	9/25/2020	1.3	3.2	17.4	78.1
FCCL-GP-13	12/22/2020	2.1	5.5	16.0	76.4
FCCL-GP-13	3/17/2021	1.3	3.9	17.4	77.4
FCCL-GP-13	6/10/2021	0.0	18.8	7.8	73.4
FCCL-GP-14S	6/18/2010	0.2	1.3	17.5	81.0
FCCL-GP-14S	9/3/2010	0.1	2.4	17.8	79.7

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-14S	11/5/2010	0.1	2.3	18.3	79.3
FCCL-GP-14S	1/20/2011	0.1	2.4	18.6	78.9
FCCL-GP-14S	2/4/2011	0.0	2.4	18.2	79.4
FCCL-GP-14S	2/10/2011	0.0	2.6	17.9	79.5
FCCL-GP-14S	4/14/2011	0.0	3.7	14.6	81.7
FCCL-GP-14S	7/7/2011	0.0	1.0	19.4	79.6
FCCL-GP-14S	10/13/2011	0.0	0.3	19.7	80.0
FCCL-GP-14S	1/18/2012	0.0	2.5	18.9	78.6
FCCL-GP-14S	4/13/2012	0.0	3.4	17.4	79.2
FCCL-GP-14S	7/5/2012	0.0	3.6	18.7	77.7
FCCL-GP-14S	10/2/2012	0.2	3.6	17.7	78.5
FCCL-GP-14S	1/16/2013	0.0	3.1	18.5	78.4
FCCL-GP-14S	4/11/2013	0.0	3.5	18.4	78.1
FCCL-GP-14S	7/2/2013	0.0	2.2	17.7	80.1
FCCL-GP-14S	12/18/2013	0.0	2.2	19.1	78.7
FCCL-GP-14S	2/25/2014	0.0	2.0	18.3	79.7
FCCL-GP-14S	4/3/2014	0.0	2.6	18.0	79.4
FCCL-GP-14S	7/30/2014	0.0	2.0	18.1	79.9
FCCL-GP-14S	10/24/2014	0.0	1.8	18.0	80.2
FCCL-GP-14S	2/17/2015	0.0	2.9	16.8	80.3
FCCL-GP-14S	7/30/2015	0.0	2.4	18.0	79.6
FCCL-GP-14S	9/23/2015	0.0	1.9	16.8	81.3
FCCL-GP-14S	12/30/2015	0.0	1.5	19.9	78.6
FCCL-GP-14S	3/24/2016	0.0	1.6	17.1	81.3
FCCL-GP-14S	6/24/2016	0.0	2.5	19.2	78.3
FCCL-GP-14S	9/21/2016	0.0	2.6	17.9	79.5
FCCL-GP-14S	12/29/2016	0.0	1.6	19.0	79.4
FCCL-GP-14S	3/16/2017	0.0	0.2	20.1	79.7
FCCL-GP-14S	6/22/2017	0.0	3.4	18.3	78.3
FCCL-GP-14S	9/22/2017	0.0	3.1	18.8	78.1
FCCL-GP-14S	12/12/2017	0.0	2.3	19.0	78.7
FCCL-GP-14S	3/20/2018	0.0	2.5	19.5	78.0
FCCL-GP-14S	9/19/2018	0.0	2.8	18.8	78.4
FCCL-GP-14S	12/26/2018	0.0	2.3	18.7	79.0
FCCL-GP-14S	3/26/2019	0.0	0.3	20.0	79.7
FCCL-GP-14S	6/18/2019	0.0	0.1	20.0	79.9
FCCL-GP-14S	9/25/2019	0.0	2.8	18.5	78.7
FCCL-GP-14S	12/20/2019	0.0	0.1	20.7	79.2
FCCL-GP-14S	3/20/2020	0.0	0.1	21.1	78.8
FCCL-GP-14S	6/20/2020	0.0	0.1	20.5	79.4
FCCL-GP-14S	9/25/2020	0.0	1.7	19.5	78.8
FCCL-GP-14S	12/22/2020	0.0	1.7	20.0	78.3
FCCL-GP-14S	3/17/2021	0.0	1.5	17.9	80.6
FCCL-GP-14S	6/10/2021	0.0	2.3	18.9	78.8
FCCL-GP-14S	11/24/2021	0.0	2.0	18.6	79.4
FCCL-GP-14S	3/22/2022	0.0	3.1	17.8	79.1
FCCL-GP-14S	5/3/2022	0.0	3.1	18.6	78.3
FCCL-GP-14S	9/14/2022	0.0	2.9	18.1	79.0
FCCL-GP-14S	12/23/2022	0.0	2.4	17.8	79.8
FCCL-GP-14S	3/8/2023	0.0	2.5	18.0	79.5
FCCL-GP-14S	6/23/2023	0.0	0.0	20.6	79.4
FCCL-GP-14S	9/27/2023	0.0	2.9	18.1	79.0

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-14S	12/18/2023	0.0	3.4	19.7	76.9
FCCL-GP-14D	6/18/2010	0.1	0.1	20.2	79.6
FCCL-GP-14D	9/3/2010	0.0	0.2	20.1	79.7
FCCL-GP-14D	11/5/2010	0.0	0.3	19.4	80.3
FCCL-GP-14D	1/20/2011	0.0	0.1	20.0	79.9
FCCL-GP-14D	2/4/2011	0.0	0.2	19.3	80.5
FCCL-GP-14D	2/10/2011	0.0	0.1	19.3	80.6
FCCL-GP-14D	4/14/2011	0.0	0.1	20.8	79.1
FCCL-GP-14D	7/7/2011	0.0	0.1	19.8	80.1
FCCL-GP-14D	10/13/2011	0.0	3.0	18.0	79.0
FCCL-GP-14D	1/18/2012	0.0	0.1	19.9	80.0
FCCL-GP-14D	4/13/2012	0.0	0.2	19.5	80.3
FCCL-GP-14D	7/5/2012	0.0	0.1	20.5	79.4
FCCL-GP-14D	10/2/2012	0.1	0.2	19.1	80.6
FCCL-GP-14D	1/16/2013	0.0	0.2	18.5	81.3
FCCL-GP-14D	4/11/2013	0.0	0.1	19.7	80.2
FCCL-GP-14D	7/2/2013	6.0	0.1	18.5	75.4
FCCL-GP-14D	12/18/2013	0.0	0.2	20.0	79.8
FCCL-GP-14D	2/25/2014	0.0	0.1	19.2	80.7
FCCL-GP-14D	4/3/2014	0.0	0.1	19.7	80.2
FCCL-GP-14D	7/30/2014	0.0	0.1	19.0	80.9
FCCL-GP-14D	10/24/2014	0.0	0.2	18.8	81.0
FCCL-GP-14D	2/17/2015	0.0	0.1	19.4	80.5
FCCL-GP-14D	7/30/2015	0.0	0.1	19.0	80.9
FCCL-GP-14D	9/23/2015	0.0	0.1	17.5	82.4
FCCL-GP-14D	12/30/2015	0.0	0.1	20.5	79.4
FCCL-GP-14D	3/24/2016	0.0	0.0	20.1	79.9
FCCL-GP-14D	6/24/2016	0.0	0.2	20.4	79.4
FCCL-GP-14D	9/21/2016	0.0	0.2	19.8	80.0
FCCL-GP-14D	12/29/2016	0.0	0.2	20.6	79.2
FCCL-GP-14D	3/16/2017	0.0	0.2	19.8	80.0
FCCL-GP-14D	6/22/2017	0.0	0.1	20.8	79.1
FCCL-GP-14D	9/22/2017	0.0	0.2	20.5	79.3
FCCL-GP-14D	12/12/2017	0.0	0.1	20.1	79.8
FCCL-GP-14D	3/20/2018	0.0	0.2	20.7	79.1
FCCL-GP-14D	9/19/2018	0.0	0.2	20.7	79.1
FCCL-GP-14D	12/26/2018	0.0	0.1	20.1	79.8
FCCL-GP-14D	3/26/2019	0.0	0.1	19.8	80.1
FCCL-GP-14D	6/18/2019	0.0	0.1	19.8	80.1
FCCL-GP-14D	9/25/2019	0.0	0.1	19.9	80.0
FCCL-GP-14D	12/20/2019	0.0	0.1	20.5	79.4
FCCL-GP-14D	3/20/2020	0.0	0.1	21.0	78.9
FCCL-GP-14D	6/20/2020	0.0	0.2	20.5	79.3
FCCL-GP-14D	9/25/2020	0.0	0.2	20.5	79.3
FCCL-GP-14D	12/22/2020	0.0	0.2	20.9	78.9
FCCL-GP-14D	3/17/2021	0.0	0.2	20.7	79.1
FCCL-GP-14D	6/10/2021	0.0	0.2	20.3	79.5
FCCL-GP-14D	12/7/2021	0.0	0.2	20.2	79.6
FCCL-GP-14D	9/14/2022	0.0	3.0	18.0	79.0
FCCL-GP-14D	12/23/2022	0.0	0.1	21.3	78.6
FCCL-GP-14D	3/8/2023	0.0	0.1	18.9	81.0
FCCL-GP-14D	6/23/2023	0.0	0.1	20.6	79.3

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-14D	9/27/2023	0.0	0.1	19.8	80.1
FCCL-GP-14D	12/18/2023	0.0	0.3	20.1	79.6
FCCL-GP-13S	6/18/2010	58.0	36.8	0.0	5.2
FCCL-GP-13S	9/3/2010	45.7	37.9	0.9	15.5
FCCL-GP-13S	11/5/2010	39.7	33.2	3.0	24.1
FCCL-GP-13S	1/20/2011	25.5	20.2	8.5	45.8
FCCL-GP-13S	2/4/2011	28.5	23.1	0.4	48.0
FCCL-GP-13S	2/10/2011	37.0	33.0	0.6	29.4
FCCL-GP-13S	2/23/2011	27.4	23.6	5.7	43.3
FCCL-GP-13S	3/1/2011	35.3	33.0	0.4	31.3
FCCL-GP-13S	3/10/2011	27.0	24.5	5.8	42.7
FCCL-GP-13S	3/16/2011	28.6	27.1	3.6	40.7
FCCL-GP-13S	3/24/2011	22.9	21.3	6.8	49.0
FCCL-GP-13S	3/31/2011	26.2	25.1	4.2	44.5
FCCL-GP-13S	4/6/2011	26.7	26.6	3.6	43.1
FCCL-GP-13S	4/11/2011	19.2	18.3	7.6	54.9
FCCL-GP-13S	4/14/2011	29.6	32.7	1.0	36.7
FCCL-GP-13S	4/27/2011	24.0	27.6	3.6	44.8
FCCL-GP-13S	5/4/2011	22.3	27.7	2.6	47.4
FCCL-GP-13S	5/10/2011	21.7	27.7	3.3	47.3
FCCL-GP-13S	5/18/2011	21.2	28.7	3.0	47.1
FCCL-GP-13S	5/26/2011	18.4	26.9	4.8	49.9
FCCL-GP-13S	5/31/2011	16.1	24.8	5.5	53.6
FCCL-GP-13S	6/14/2011	16.7	27.5	6.5	49.3
FCCL-GP-13S	6/22/2011	16.4	27.8	3.3	52.5
FCCL-GP-13S	6/28/2011	16.5	27.5	3.5	52.5
FCCL-GP-13S	7/5/2011	14.4	26.9	4.0	54.7
FCCL-GP-13S	7/7/2011	15.2	28.5	2.9	53.4
FCCL-GP-13S	7/11/2011	13.5	25.7	4.0	56.8
FCCL-GP-13S	7/21/2011	12.3	28.6	3.1	56.0
FCCL-GP-13S	8/1/2011	10.3	26.7	4.0	59.0
FCCL-GP-13S	8/9/2011	9.8	28.1	3.2	58.9
FCCL-GP-13S	10/13/2011	3.4	24.8	4.5	67.3
FCCL-GP-13S	1/18/2012	0.0	15.4	8.0	76.6
FCCL-GP-13S	4/13/2012	3.0	17.1	5.6	74.3
FCCL-GP-13S	7/5/2012	9.2	21.1	4.7	65.0
FCCL-GP-13S	10/2/2012	19.5	27.9	1.4	51.2
FCCL-GP-13S	1/16/2013	19.7	21.4	6.1	52.8
FCCL-GP-13S	4/11/2013	20.6	23.8	4.9	50.7
FCCL-GP-13S	7/2/2013	22.2	27.0	2.4	48.4
FCCL-GP-13S	12/18/2013	10.3	25.7	2.9	61.1
FCCL-GP-13S	2/25/2014	10.2	23.8	2.2	63.8
FCCL-GP-13S	4/3/2014	12.9	22.9	2.5	61.7
FCCL-GP-13S	7/30/2014	22.5	29.0	1.9	46.6
FCCL-GP-13S	10/24/2014	13.4	28.5	2.4	55.7
FCCL-GP-13S	2/17/2015	16.4	25.6	2.6	55.4
FCCL-GP-13S	7/30/2015	10.8	27.0	2.2	60.0
FCCL-GP-13S	9/23/2015	6.8	27.0	2.0	64.2
FCCL-GP-13S	12/30/2015	4.2	21.2	2.7	71.9
FCCL-GP-13S	3/24/2016	12.0	18.8	2.3	66.9
FCCL-GP-13S	6/24/2016	13.3	25.7	1.5	59.5
FCCL-GP-13S	9/21/2016	7.0	27.2	2.0	63.8

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-13S	12/29/2016	7.3	24.2	2.5	66.0
FCCL-GP-13S	3/16/2017	13.9	21.6	2.3	62.2
FCCL-GP-13S	6/22/2017	20.0	26.0	1.1	52.9
FCCL-GP-13S	9/22/2017	20.3	29.5	1.3	48.9
FCCL-GP-13S	12/12/2017	3.9	25.9	1.3	68.9
FCCL-GP-13S	3/20/2018	8.2	11.6	9.9	70.3
FCCL-GP-13S	9/19/2018	1.4	25.6	1.7	71.3
FCCL-GP-13S	9/19/2018	2.5	5.0	16.2	76.3
FCCL-GP-13S	9/19/2018	0.0	2.8	18.8	78.4
FCCL-GP-13S	9/19/2018	0.0	0.2	20.7	79.1
FCCL-GP-13S	9/19/2018	11.2	11.9	3.5	73.4
FCCL-GP-13S	9/19/2018	12.6	11.4	10.6	65.4
FCCL-GP-13S	12/26/2018	1.3	20.5	2.4	75.8
FCCL-GP-13S	3/26/2019	0.1	7.2	10.1	82.6
FCCL-GP-13S	6/18/2019	4.3	24.0	1.2	70.5
FCCL-GP-13S	9/25/2019	0.0	17.3	9.1	73.6
FCCL-GP-13S	12/20/2019	0.0	9.5	6.8	83.7
FCCL-GP-13S	3/20/2020	0.0	10.2	9.4	80.4
FCCL-GP-13S	6/20/2020	0.0	16.1	10.0	73.9
FCCL-GP-13S	9/25/2020	0.0	18.7	8.1	73.2
FCCL-GP-13S	12/22/2020	0.0	19.2	4.3	76.5
FCCL-GP-13S	3/17/2021	0.0	7.3	12.3	80.4
FCCL-GP-13S	6/10/2021	0.0	18.4	7.7	73.9
FCCL-GP-13S	11/24/2021	0.0	17.0	7.1	75.9
FCCL-GP-13S	3/22/2022	0.0	14.7	8.6	76.7
FCCL-GP-13S	5/3/2022	0.0	16.4	5.9	77.7
FCCL-GP-13S	9/14/2022	0.0	16.6	8.6	74.8
FCCL-GP-13S	12/23/2022	0.0	2.1	20.1	77.8
FCCL-GP-13S	3/8/2023	0.0	9.5	14.3	76.2
FCCL-GP-13S	6/23/2023	0.0	14.0	1.0	85.0
FCCL-GP-13S	9/27/2023	0.0	15.1	9.5	75.4
FCCL-GP-13S	12/18/2023	0.0	14.1	1.6	84.3
FCCL-GP-15S	6/18/2010	49.2	11.7	0.3	38.8
FCCL-GP-15S	9/3/2010	45.9	11.2	2.0	40.9

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Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-15S	11/5/2010	40.7	10.9	1.7	46.7
FCCL-GP-15S	1/20/2011	25.5	8.9	4.7	60.9
FCCL-GP-15S	2/4/2011	0.0	0.1	19.5	80.4
FCCL-GP-15S	2/10/2011	24.9	9.9	3.4	61.8
FCCL-GP-15S	2/23/2011	26.3	9.8	5.7	58.2
FCCL-GP-15S	3/1/2011	20.7	9.4	4.5	65.4
FCCL-GP-15S	3/10/2011	21.7	10.4	3.4	64.5
FCCL-GP-15S	3/16/2011	21.5	10.1	2.9	65.5
FCCL-GP-15S	3/24/2011	17.5	7.4	6.8	68.3
FCCL-GP-15S	3/31/2011	19.2	9.4	3.5	67.9
FCCL-GP-15S	4/6/2011	21.9	10.0	2.8	65.3
FCCL-GP-15S	4/11/2011	15.7	8.9	5.9	69.5
FCCL-GP-15S	4/14/2011	16.1	10.1	4.5	69.3
FCCL-GP-15S	4/27/2011	21.3	10.7	2.8	65.2
FCCL-GP-15S	5/4/2011	20.4	10.6	2.2	66.8
FCCL-GP-15S	5/10/2011	23.4	11.0	2.8	62.8
FCCL-GP-15S	5/18/2011	24.0	11.3	2.6	62.1
FCCL-GP-15S	5/26/2011	22.7	10.9	3.6	62.8
FCCL-GP-15S	5/31/2011	22.9	10.5	3.2	63.4
FCCL-GP-15S	6/14/2011	24.6	11.1	2.4	61.9
FCCL-GP-15S	6/22/2011	24.1	10.6	2.8	62.5
FCCL-GP-15S	6/28/2011	25.0	11.0	2.6	61.4
FCCL-GP-15S	7/5/2011	22.7	10.2	3.4	63.7
FCCL-GP-15S	7/7/2011	20.5	9.2	5.1	65.2
FCCL-GP-15S	7/11/2011	22.1	10.3	3.4	64.2
FCCL-GP-15S	7/21/2011	21.9	11.2	3.1	63.8
FCCL-GP-15S	8/1/2011	21.2	10.7	3.1	65.0
FCCL-GP-15S	8/9/2011	21.4	11.2	3.0	64.4
FCCL-GP-15S	10/13/2011	13.9	11.9	3.9	70.3
FCCL-GP-15S	1/18/2012	4.5	9.6	6.6	79.3
FCCL-GP-15S	4/13/2012	8.8	9.9	5.2	76.1
FCCL-GP-15S	7/5/2012	13.2	9.6	5.5	71.7
FCCL-GP-15S	10/2/2012	18.9	10.9	3.9	66.3
FCCL-GP-15S	1/16/2013	0.1	0.1	19.7	80.1
FCCL-GP-15S	4/11/2013	17.8	10.1	4.9	67.2
FCCL-GP-15S	7/2/2013	8.1	4.7	12.2	75.0
FCCL-GP-15S	12/18/2013	6.2	9.7	7.7	76.4
FCCL-GP-15S	2/25/2014	10.3	9.1	5.9	74.7
FCCL-GP-15S	4/3/2014	9.7	8.1	7.0	75.2
FCCL-GP-15S	7/30/2014	13.3	10.0	5.9	70.8
FCCL-GP-15S	10/24/2014	10.8	9.9	6.2	73.1
FCCL-GP-15S	2/17/2015	9.3	7.8	6.8	76.1
FCCL-GP-15S	7/30/2015	10.3	9.3	5.6	74.8
FCCL-GP-15S	9/23/2015	8.5	9.2	6.3	76.0
FCCL-GP-15S	12/30/2015	2.0	8.2	8.0	81.8
FCCL-GP-15S	3/24/2016	5.8	7.2	6.8	80.2
FCCL-GP-15S	6/24/2016	7.2	9.5	5.8	77.5
FCCL-GP-15S	9/21/2016	6.1	9.8	5.8	78.3
FCCL-GP-15S	12/29/2016	4.2	8.2	7.2	80.4
FCCL-GP-15S	3/16/2017	5.1	7.1	8.0	79.8

APPENDIX G
LANDFILL GAS PROBE MONITORING HISTORICAL DATA
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-15S	6/22/2017	10.7	10.4	2.7	76.2
FCCL-GP-15S	9/22/2017	10.7	12.0	3.7	73.6
FCCL-GP-15S	12/12/2017	2.4	10.6	4.8	82.2
FCCL-GP-15S	3/20/2018	7.3	10.7	4.5	77.5
FCCL-GP-15S	9/19/2018	11.2	11.9	3.5	73.4
FCCL-GP-15S	12/26/2018	7.9	11.0	3.8	77.3
FCCL-GP-15S	3/26/2019	11.9	10.0	2.8	75.3
FCCL-GP-15S	6/18/2019	11.4	10.2	3.5	74.9
FCCL-GP-15S	9/25/2019	10.6	11.5	3.1	74.8
FCCL-GP-15S	12/20/2019	6.0	9.5	5.9	78.6
FCCL-GP-15S	3/20/2020	3.7	4.7	12.4	79.2
FCCL-GP-15S	6/20/2020	8.7	10.3	4.5	76.5
FCCL-GP-15S	9/25/2020	0.0	6.6	13.1	80.3
FCCL-GP-15S	12/22/2020	0.0	6.9	11.5	81.6
FCCL-GP-15S	3/17/2021	0.0	5.6	11.8	82.6
FCCL-GP-15S	6/10/2021	0.0	7.3	14.3	78.4
FCCL-GP-15S	11/24/2021	0.0	8.1	10.5	81.4
FCCL-GP-15S	3/22/2022	0.0	7.1	10.4	82.5
FCCL-GP-15S	5/3/2022	0.0	13.4	3.9	82.7
FCCL-GP-15S	9/14/2022	0.0	12.3	7.8	79.9
FCCL-GP-15S	12/23/2022	0.0	13.2	2.6	84.2
FCCL-GP-15S	3/8/2023	0.6	11.0	3.1	85.3
FCCL-GP-15S	6/23/2023	2.8	15.2	1.2	80.8
FCCL-GP-15S	9/27/2023	6.4	0.3	19.1	74.2
FCCL-GP-15S	12/18/2023	9.9	19.9	0.9	69.3
FCCL-GP-15D	6/18/2010	0.1	0.1	19.9	79.9
FCCL-GP-15D	9/3/2010	0.3	0.2	19.7	79.8
FCCL-GP-15D	11/5/2010	55.9	32.3	0.4	11.4
FCCL-GP-15D	1/20/2011	0.1	0.1	19.9	79.9
FCCL-GP-15D	2/4/2011	20.6	9.1	5.0	65.3
FCCL-GP-15D	2/10/2011	0.2	0.1	18.8	80.9
FCCL-GP-15D	2/23/2011	0.1	0.1	20.2	79.6
FCCL-GP-15D	3/1/2011	0.2	0.2	20.1	79.5
FCCL-GP-15D	3/10/2011	0.0	0.2	20.6	79.2
FCCL-GP-15D	3/16/2011	11.9	6.1	15.5	66.5
FCCL-GP-15D	3/24/2011	0.4	0.2	20.8	78.6
FCCL-GP-15D	3/31/2011	0.2	0.2	20.4	79.2
FCCL-GP-15D	4/6/2011	4.0	1.8	18.5	75.7
FCCL-GP-15D	4/11/2011	0.1	0.3	20.1	79.5
FCCL-GP-15D	4/14/2011	0.1	0.1	20.8	79.0
FCCL-GP-15D	4/27/2011	2.5	1.1	19.5	76.9
FCCL-GP-15D	5/4/2011	32.7	22.8	5.2	39.3
FCCL-GP-15D	5/10/2011	31.3	24.3	6.0	38.4
FCCL-GP-15D	5/18/2011	35.4	25.6	4.9	34.1
FCCL-GP-15D	5/26/2011	0.2	0.1	21.1	78.6
FCCL-GP-15D	5/31/2011	0.1	0.1	20.4	79.4
FCCL-GP-15D	6/14/2011	24.9	19.6	7.9	47.6
FCCL-GP-15D	6/22/2011	10.7	7.3	14.6	67.4
FCCL-GP-15D	6/28/2011	0.8	1.4	18.3	79.5
FCCL-GP-15D	7/5/2011	0.3	0.3	18.7	80.7
FCCL-GP-15D	7/7/2011	0.3	0.2	19.5	80.0
FCCL-GP-15D	7/11/2011	0.0	0.0	19.9	80.1

APPENDIX G
LANDFILL GAS PROBE MONITORING HISTORICAL DATA
FOXEN CANYON CLOSED LANDFILL
COUNTY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT
RESOURCE RECOVERY WASTE MANAGEMENT DIVISION

Location	Date	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	Balance (% vol)
FCCL-GP-15D	7/21/2011	4.9	2.5	17.4	75.2
FCCL-GP-15D	8/1/2011	10.1	5.7	14.4	69.8
FCCL-GP-15D	8/9/2011	36.8	27.8	0.0	35.4
FCCL-GP-15D	10/13/2011	0.1	0.3	19.5	80.1
FCCL-GP-15D	1/18/2012	0.1	0.2	19.7	80.0
FCCL-GP-15D	4/13/2012	5.5	7.9	14.0	72.6
FCCL-GP-15D	7/5/2012	2.1	2.9	17.6	77.4
FCCL-GP-15D	10/2/2012	8.2	8.7	12.2	70.9
FCCL-GP-15D	1/16/2013	2.1	1.9	18.5	77.5
FCCL-GP-15D	4/11/2013	3.7	3.6	16.9	75.8
FCCL-GP-15D	7/2/2013	0.1	0.2	18.8	80.9
FCCL-GP-15D	12/18/2013	27.8	24.9	0.7	46.6
FCCL-GP-15D	2/25/2014	1.2	1.2	18.0	79.6
FCCL-GP-15D	4/3/2014	0.1	0.3	19.3	80.3
FCCL-GP-15D	7/30/2014	3.6	2.3	16.8	77.3
FCCL-GP-15D	10/24/2014	0.4	0.3	18.7	80.6
FCCL-GP-15D	2/17/2015	0.2	0.5	19.2	80.1
FCCL-GP-15D	7/30/2015	0.3	0.4	18.4	80.9
FCCL-GP-15D	9/23/2015	0.0	0.1	17.4	82.5
FCCL-GP-15D	12/30/2015	0.0	0.2	20.4	79.4
FCCL-GP-15D	3/24/2016	10.9	10.9	10.1	68.1
FCCL-GP-15D	6/24/2016	1.2	1.4	19.2	78.2
FCCL-GP-15D	9/21/2016	9.3	9.3	11.3	70.1
FCCL-GP-15D	12/29/2016	0.9	0.8	20.2	78.1
FCCL-GP-15D	3/16/2017	0.0	0.2	20.2	79.6
FCCL-GP-15D	6/22/2017	17.5	17.4	4.7	60.4
FCCL-GP-15D	9/22/2017	7.2	6.6	14.5	71.7
FCCL-GP-15D	12/12/2017	11.4	11.1	10.2	67.3
FCCL-GP-15D	3/20/2018	5.4	5.2	16.9	72.5
FCCL-GP-15D	9/19/2018	12.6	11.4	10.6	65.4
FCCL-GP-15D	12/26/2018	3.8	3.8	17.0	75.4
FCCL-GP-15D	3/26/2019	14.1	12.9	8.0	65.0
FCCL-GP-15D	6/18/2019	5.1	4.7	15.3	74.9
FCCL-GP-15D	9/25/2019	22.1	22.3	1.5	54.1
FCCL-GP-15D	12/20/2019	0.9	0.8	19.8	78.5
FCCL-GP-15D	3/20/2020	0.0	0.1	21.0	78.9
FCCL-GP-15D	6/20/2020	0.5	0.6	20.0	78.9
FCCL-GP-15D	9/25/2020	3.5	3.1	17.3	76.1
FCCL-GP-15D	12/22/2020	11.7	13.6	8.6	66.1
FCCL-GP-15D	3/17/2021	4.1	5.8	15.7	74.4
FCCL-GP-15D	6/10/2021	0.0	1.1	19.7	79.2
FCCL-GP-15D	11/24/2021	0.0	0.1	20.0	79.9
FCCL-GP-15D	3/22/2022	3.8	7.7	11.2	77.3
FCCL-GP-15D	5/3/2022	15.2	21.5	0.4	62.9
FCCL-GP-15D	9/14/2022	0.0	7.2	14.5	78.3
FCCL-GP-15D	12/23/2022	1.9	3.3	16.8	78.0
FCCL-GP-15D	3/8/2023	0.2	3.4	15.3	81.1
FCCL-GP-15D	6/23/2023	17.5	21.6	0.1	60.8
FCCL-GP-15D	9/27/2023	17.2	22.2	0.0	60.6
FCCL-GP-15D	12/18/2023	24.5	24.8	0.0	50.7

Notes:

% vol = percent by volume

FCL LFG CONDENSATE ON-SITE SPRAY DISPOSAL

Date	Condensate (in gallons) sprayed on-site	Quarterly Total
1-14-20	425	
2-14-20	425	
4-2-20	375	
6-3-20	425	
9-30-20	350	
11-27-20	325	
1-8-21	375	
2-10-21	350	
4-2-21	425	
6-3 21	385	
7-28-21	370	
10-21-21	350	
12-1-21	325	
1-8-22	425	
2-9-22	350	
3-15-22	375	
10-4-22	350	
12-7-22	450	
3-3-23	450	
4-13-23	375	
6-14-23	400	
9-20-23	375	
12-26-23	375	
1-24-24	375	

APPENDIX H

NOTICE TO "AFFECTED PERSONS"

Christina Wilder

From: Christina Wilder
Sent: Tuesday, January 30, 2024 5:36 PM
To: 'Lark Christensen'; 'Stephen Zimmerman'; 'Kelly Zimmerman'
Cc: Jeanette Gonzales-Knight; Travis Spier; Kevin Brown
Subject: Foxen Canyon Closed Landfill - Water Quality Monitoring Report
Attachments: Foxen Canyon Closed Landfill Water Quality Monitoring Report 2023.pdf

Please find attached the Foxen Canyon Closed Landfill Third and Fourth Quarter 2023 Water Quality Monitoring Report.

Thank you,

Christina Wilder | PE, QSD/P, QISP
Civil Engineer

Santa Barbara County Department of Public Works
Resource Recovery & Waste Management Division
14470 Calle Real
Goleta, CA 93117
Direct: (805) 696-1173 Cell: (805) 680-8127
Email: cwilder@countyofsb.org