GROUNDWATER MONITORING PROGRAM
CSD TITLE 22, SECTION 310.050.S

Second Semiannual 2022
Groundwater Monitoring Results
Inglewood Oil Field

Sentinel Peak Resources California LLC
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Project No. 01218001.00 | February 2023

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This report titled "Groundwater Monitoring Program, CSD Title 22, Section 310.050.S, Second Semiannual 2022 Groundwater Monitoring Results, Inglewood Oil Field", dated February 2023, was prepared and reviewed by the following:

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OPERATORS STATEMENT

Sentinel Peak Resources California LLC is the proud operator of the Inglewood Oil Field, located in the Baldwin Hills area of Los Angeles County. The preservation of the environment and the health and safety of our employees and our neighbors are our highest priorities. We are focused on acquiring, developing, and exploring oil and gas assets in the most environmentally conscientious way possible. We include the environment in our operational and financial decision-making processes which we believe leads to better decisions. Through innovation, thoughtful safeguards, and responsible operations, we minimize our environmental impact.

Sentinel Peak Resources California LLC's focus on environmentally sound operational practices is at the heart of who we are. In the Inglewood Oil Field, that includes helping to protect the groundwater and surface water resources that surround the field. Links to information to help interested parties stay fully informed on water issues in their area, and provide the basis for making good decisions about protecting their local water resources, are in the reference section at the end of this report.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Sentinel Peak Resources California LLC (SPR) to perform groundwater sampling and reporting for the second semiannual 2022 period at the Inglewood Oil Field (the "Site") located in the Baldwin Hills area of Los Angeles County. A map showing the general location of the Site is provided as Figure 1.

GENERAL BACKGROUND

In October 2008, the Los Angeles County Board of Supervisors (County) approved the Baldwin Hills Community Standards District (CSD) to establish regulations, safeguards, and controls for SPR's proposed drilling and oil production in addition to other regulations that pertain to California oil production. The geology of the area is such that the formations beneath the Baldwin Hills are not considered suitable for water supply; nonetheless, the Baldwin Hills CSD and the Los Angeles Regional Water Quality Control Board (LARWQCB) requested a groundwater-monitoring network to evaluate potential impacts associated with the Site. Specifically, the LARWQCB requested that the network focus on preferred pathways in native canyon areas and suggested targeting existing catch basins as locations for the monitoring wells to assess the potential for impacts of oil field operations on groundwater quality.

Starting in second half 2021, monitoring and sampling activities changed from quarterly to semiannual and used a reduced set of monitoring parameters that are performed in accordance with the *Groundwater Monitoring Program and Workplan, Inglewood Oil Field* (SPR, October 2021[Rev 1]), which was approved by CSD on October 29, 2021. From 2010 through mid-2021 monitoring and reporting were conducted in accordance with *Groundwater Monitoring Program and Workplan, Inglewood Oil Field* (ENTRIX, August 6, 2009). This October 2021 revised monitoring plan also provides a list of approved parameters (Table 1) and indicates that first semiannual sampling will be conducted in first quarter of each year and second semiannual sampling will be conducted in fourth quarter of each year. The monitoring well network, for the CSD-required monitoring, includes wells MW-3, MW-4a, MW-4b, MW-4c, MW- 5, MW-6, and MW-7. The monitoring well locations are presented on Figure 2.

With the exception of groundwater at MW-6 and MW-7, historically during the majority of monitoring events, the wells have been dry and groundwater samples could not be collected. With respect to MW-6 and MW-7, groundwater well data has not identified significant concentrations of constituents of concern (COCs).

GEOLOGY

Numerous studies of the Baldwin Hills have concluded that the tectonic uplift has disconnected the water-bearing sediments in the Baldwin Hills from groundwater-bearing strata in the Los Angeles Basin (California Department of Water Resources [DWR], 1961; LARWQCB, 2001; United States Geological Survey [USGS], 2003; Los Angeles County, 2008). Further, these studies conclude that the folded and faulted formations of the Baldwin Hills have limited groundwater potential and are not appropriate for drinking water supply. The prominent aquifer systems in the subsurface of the Los Angeles Basin are exposed at the surface in the Baldwin Hills, as is the Pico Formation, which is typically considered as the base of the fresh-water supply aquifers (DWR, 1961; USGS, 2003). In groundwater models of fresh-water flow in the Los Angeles Basin aquifer systems (USGS, 2003), the Baldwin Hills are modeled as a "no flow" zone; that is, sediments beneath the Baldwin Hills are disconnected from the regional aquifers and groundwater flow is discontinuous across the Baldwin

Hills. The following information summarizes the topographic, geologic, and hydrogeologic data that leads to these findings.

TOPOGRAPHY AND DRAINAGE

The Site is in the Baldwin Hills, which form part of a chain of low hills along the Newport-Inglewood Fault Zone. The Baldwin Hills are the highest hills along this fault zone, reaching a height of 511 feet (153 meters) above mean sea level. Sediments of the Baldwin Hills have been considerably deformed and faulted. The northern flank of the Baldwin Hills is deeply incised by erosion, whereas the southern flank slopes gently to the Torrance Plain and Rosecrans Hills.

No perennial or intermittent streams, as defined by the U.S. Geological Survey, are present within the oil field boundaries (Los Angeles County, 2008).

The Baldwin Hills area, including the Inglewood Oil Field, lies entirely within the Ballona Creek Watershed, which covers approximately 130 square miles in the coastal plain of the Los Angeles Basin. The watershed is highly developed, with the predominant land uses being residential (59 percent), vacant/open space (17 percent), and commercial (14 percent). Overall, 49 percent of the watershed is covered by roads, rooftops and other impervious surfaces (City of Los Angeles Stormwater Program).

Stormwater runoff occurs primarily as sheet flow across drilling pads, structure pads, and slopes eventually flowing into ephemeral gullies and drainage ditches. Five stormwater catch basins are located along these drainages within the CSD boundary to regulate discharge from the Site and retain oil on the Site in an event of a spill. The catch basins are depicted on Figure 2 and are identified as follows:

- LAI Basin
- Stocker Basin
- Vickers I Basin
- Lower Vickers II Basin
- Upper Vickers II Basin

The operator takes measures to retain as much stormwater runoff on site as possible. On occasions when runoff from these basins does occur, flow is filtered to meet limits as stated in the National Pollutant Discharge Elimination System (NPDES) discharge permit, then discharged to the public storm drain system and ultimately to Ballona Creek. Two of the basins, LAI and Stocker, discharge through the storm drain system into Centinela Creek, which then ultimately discharges to Ballona Creek. Centinela Creek is located approximately 1.2 miles southwest of the active oil field boundary. The other three basins, Lower Vickers II, Upper Vickers II, and Vickers I, discharge to the storm drain system, ultimately reaching Ballona Creek, which is located approximately 0.2 miles west of the active oil field boundary at its closest point.

Stormwater runoff is addressed in a site-specific water quality permit that is monitored and enforced by the LARWQCB to ensure that surface water beneficial uses are not impaired.

SITE HYDROGEOLOGY

The Baldwin Hills are generally comprised of non-water bearing strata that straddle the West Coast, Central, and Santa Monica groundwater basins. Groundwater within the Baldwin Hills, where present, is limited to perched zones located within canyon alluvium and weathered bedrock (DWR

1961; LARWQCB 2001). There are no domestic or industrial water supply wells located within the active oil field boundary, or within one mile of the Baldwin Hills.

The Baldwin Hills are underlain by a faulted, northwest-trending anticline made up of Tertiary and Pleistocene age sediments. Two principal northwesterly trending, nearly parallel faults offset the central portion of the hills, developing a down-dropped block or graben across the crest of the anticline. The more easterly of the two structures is the Newport-Inglewood fault; the other fault is unnamed. Both faults are offset by secondary cross faults that trend northeast. The block east of the Newport-Inglewood fault, composed of Pliocene age and older sediments, is cut by several small unnamed faults (USGS, 1976). One such fault extends along the northeast border of the Baldwin Hills and may be related to the prominent escarpment in that area. The Slauson Avenue fault extends northeast beyond the Baldwin Hills and offsets aquifers of the San Pedro Formation. The Baldwin Hills form a complete barrier to groundwater movement where the essentially non-water-bearing Pico Formation out crops. The Pico Formation is typically taken as the base of the fresh-water zone across the Los Angeles Basin.

Potable groundwater aquifers of the Los Angeles Basin lie adjacent to the Baldwin Hills. Based on a hydrogeologic cross-section completed along Ballona Creek (USGS, 2003), the base of fresh water is highly variable as a result of faulting along the Newport-Inglewood Fault Zone. Along the north-northwest boundary of the Baldwin Hills, west of the Newport-Inglewood Fault Zone, groundwater is present in the Silverado Aquifer to a depth of 200 to 300 feet below ground surface (bgs). Further west from the fault zone, the Silverado Aquifer thickens, and groundwater is present to a depth of approximately 450 feet bgs. Silverado Formation is underlain by the Pico Formation (DWR 1961). The base of fresh water is much deeper to the east of the Newport-Inglewood Fault Zone and the Baldwin Hills, and numerous aquifers are present. Golden State Water Company Sentney Well #8 (State well No. 2S/14W/Sec 5/D08 or County well No. 2626P), located east of the fault zone, along Ballona Creek and approximately 1.2 miles north of the active oil field boundary, produces water from five separate stratigraphic intervals within aquifers at depths ranging from 70 to 370 feet bgs. These depths would include the Exposition, Gage, Lynwood, and Silverado Aquifers. Similar to west of the fault zone, the non-water-bearing Pico Formation lies below the Silverado Aquifer (DWR, 1961).

Within the Site, localized, perched groundwater has been measured at depths ranging from approximately 25 to over 200 feet bgs. Existing information indicates that, the largely non-water-bearing formations under the Site contain thin localized perched groundwater zones that are not continuous across the Baldwin Hills and are not connected to the regional aquifer systems in the Los Angeles Basin. Because of the limited occurrence of these thin localized perched groundwater zones, the geological formations beneath the Baldwin Hills are not considered suitable for water supply (DWR, 1961; USGS, 2003; County of Los Angeles, 2008).

2 GROUNDWATER FIELD PROGRAM

The monitoring activities were performed in accordance with the *Groundwater Monitoring Program and Workplan* (October 2021, Rev. 1). The field activities and sampling methods used during this quarterly groundwater monitoring event are described below.

MONITORING WELL NETWORK

The objective of the groundwater monitoring program is to evaluate and monitor groundwater resources that may be affected by oil field operations. Monitoring wells are located downgradient of the catch basins on the Site. The catch basins and associated monitoring well locations are presented on Figure 2 and as follows:

- LAI Basin (MW-3)
- Stocker Basin (MW-4a, MW-4b, MW-4c)
- Vickers I Basin (MW-5)
- Lower Vickers II Basin (MW-6)
- Upper Vickers II Basin (MW-7)

GROUNDWATER MONITORING AND SAMPLING

The groundwater monitoring activities were conducted in general accordance with the U.S. Environmental Protection Agency's (EPA) Standard Operating Procedures for the Standard/Well-Volume Method for Collecting Ground-Water Samples (EPA, 2002). These activities included the measurement of depth to water and the collection of groundwater samples for chemical analysis, if sufficient groundwater is present.

WATER LEVEL MONITORING

Prior to purging and sampling, an electronic water level meter was used to measure depth to water of each well. Measurements of the depth to water were taken from a surveyed reference point at the top of each well casing. Water level measurements were recorded to the nearest 0.01 foot and recorded on field data sheets, provided in Appendix A. The monitoring equipment lowered into the well casing was thoroughly washed with tap water containing decontaminating detergent (Liquinox) and double rinsed with purified deionized water prior to and after use.

On December 6, 2022, at the time of water level monitoring, it was observed that wells MW-3, MW-4a, MW-4b, MW-4c, and MW-5 were dry. Therefore, groundwater samples could not be collected from these wells.

WELL PURGING

On December 6, 2022, wells MW-6 and MW-7 contained sufficient water for purging and sample collection.

To reduce agitation of formation water in the well casing, the monitoring well was purged and sampled using a low flow method, which included using a clean portable QED bladder pump and dedicated hose.

During purging, field parameters were routinely monitored using a Horiba U-52 multi-parameter water quality meter to measure pH, specific conductivity (also referred to as electrical conductivity or EC), temperature and turbidity to ensure stabilization of aquifer conditions. Stability is typically considered to be achieved when the following conditions are met prior to filling sample containers:

- At least one volume of water equivalent to the volume of the portable pump and hose system was removed.
- Last two readings of field pH are within 0.1 pH units.
- Last two readings of field EC are within 3 percent.

- Last two readings of field turbidity are below 10 nephelometric turbidity units (NTU) or within 10 percent of each other.

As shown on field sampling records (Appendix A) from December 2022, these water quality stabilization conditions were met prior to sample collection for laboratory analysis. Therefore, the second semiannual 2022 samples are considered representative of water quality in the vicinity of wells MW-6 and MW-7.

GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

During sampling activities, a new pair of nitrile powder-free gloves was worn for sample collection at each well. Immediately following purging, groundwater samples were collected directly into laboratory supplied sample containers through the discharge hose of the portable QED bladder pump hose system. Where appropriate, the groundwater samples were chemically preserved through use of preservative-containing laboratory supplied bottles or vials. Samples collected for volatile organic compounds (VOC) analyses were handled with extra care to minimize any turbulence or aeration when filling the vials. The vials and caps were filled to form a convex meniscus and after tightening of the cap, the sample vial was inverted to check for the presence of air bubbles in the sample container. If an air bubble was present, the sample vial was opened, and the procedure repeated, or a new set of vials were filled.

Sample containers were labeled with the sampler's initials, location ID, date, time, analyses to be performed, and the preservation method used. Samples were placed in individual Ziploc®-type bags, sealed, and stored in coolers on ice prior to and during transfer to the analytical laboratory. Ice was sealed in plastic bags. Chain-of-custody documentation was completed onsite and accompanied the samples to the laboratory. The samples were transferred to the laboratory by courier within 24 hours of sampling.

Pace Analytical Environmental Sciences (Pace), a state-certified laboratory (CA ELAP #1186) located in Bakersfield, California, conducted the sample analyses. Chain-of-custody tracking procedures were maintained from sample collection through processing and analysis at the laboratory.

Samples were analyzed for pH, total dissolved solids (TDS), total petroleum hydrocarbons - diesel range organics (TPH-DRO), oil and grease (formerly referred to as total recoverable petroleum hydrocarbons [TRPH]), and VOCs (specifically benzene, toluene, ethylbenzene, xylenes [BTEX], and methyl tert-butyl ether [MTBE]) using various EPA Methods as listed in Table 1. Note, as of November 2021 under the revised monitoring program, groundwater samples are no longer required to be analyzed for biochemical oxygen demand (BOD), nitrate, nitrite, or dissolved metals (arsenic, barium, cobalt, chromium, copper, lead, and zinc). Metals are included in the parameters analyzed on a semiannual basis for the LARWQCB requirements and reported under separate cover.

With respect to TPH-DRO analysis, groundwater samples were analyzed with and without the silica gel filtering method (by the laboratory). Silica gel filtering removes hydrocarbons with a non-petroleum origin, such as natural alcohols and other short chain organic molecules.

Note that for the purposes of this report the term “reporting limit” is equivalent to Pace’s term Practical Quantitation Limit (PQL) and are considered interchangeable. Estimated concentrations below the reporting limit and above the method detection limit are flagged in the report text and data summary tables with a “J”.

3 GROUNDWATER RESULTS

Groundwater sampling was conducted on December 6, 2022, at wells MW-6 and MW-7. Monitoring wells MW-3, MW-4a, MW-4b, MW-4c, and MW-5 were dry at the time of monitoring and could not be sampled.

GROUNDWATER ELEVATIONS

The groundwater elevation data are presented in Table 2. Dry conditions in the well casings of MW-3, MW-4a, MW-4b, MW-4c, and MW-5 are consistent with results of the prior groundwater sampling events as well as other studies of the Site, which determined that the water-bearing zones in the Baldwin Hills are discontinuous. Monitoring well locations and December 2022 groundwater elevations are shown on Figure 2.

GROUNDWATER FIELD AND ANALYTICAL RESULTS

Table 3 provides a summary of the final field monitoring parameters (as discussed above) for the current and eleven previous monitoring events. Field sampling record forms are included in Appendix A.

Tables 4 and 5 include a summary of laboratory results for the current (December 6, 2022) and historic (post November 2017) monitoring events for wells MW-6 and MW-7. A copy of the laboratory report and chain-of-custody documentation is included in Appendix B.

A summary of the laboratory results for historical monitoring events, from April 2010 to December 2022, for wells MW-3, MW-4a, MW-4b, MW-4c, MW-5, MW-6, and MW-7 is provided in Appendix C. Appendix C also includes time series graphs for TPH (Silica Gel Filtering) data from April 2010 to the current event.

The December 2022 analytical data for wells MW-6 and MW-7 are summarized below:

MW-6: BTEX/MTBE, oil and grease, and TPH-DRO (with and without silica gel filtering) were not detected. TDS was detected at 1,400 milligrams per liter (mg/L) and pH at 7.25.

MW-7: BTEX/MTBE, oil and grease, and TPH-DRO (with and without silica gel filtering) were not detected. TDS was detected at 1,900 mg/L and pH at 7.24.

These December 2022 groundwater monitoring results are similar to results from historic monitoring events. As shown in Tables 4 and 5, results for the parameters analyzed were below any applicable California Primary Maximum Contaminant Levels (MCLs, State Water Board dated September 14, 2021) or State Actions Levels.

4 CONCLUSIONS

The results of the December 2022 monitoring event are consistent with past monitoring events, with no significant change in conditions or the water chemistry in the wells sampled during this event.

Groundwater wells have been sampled for over 12 years and groundwater well data show no significant concentrations of COCs.

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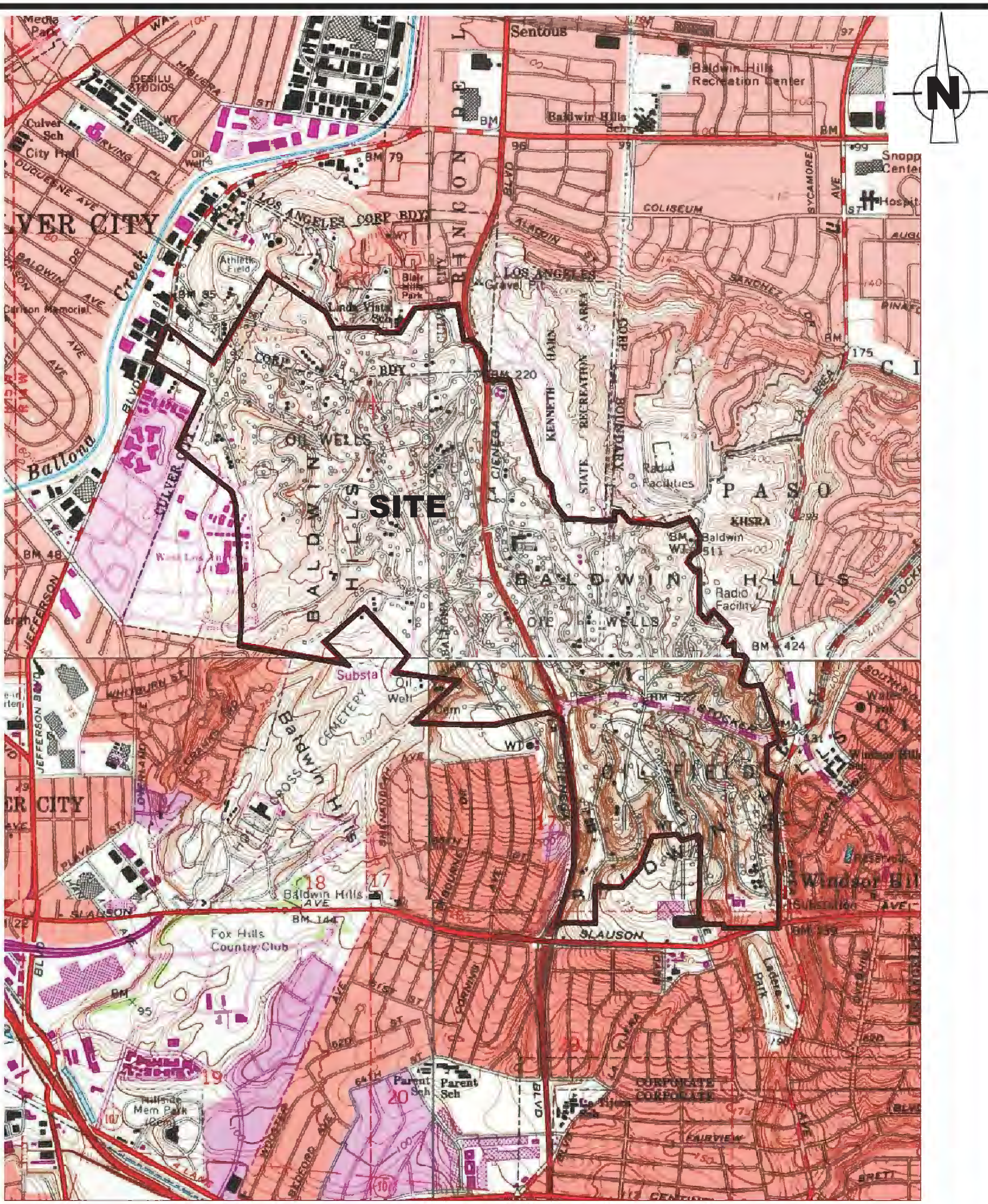
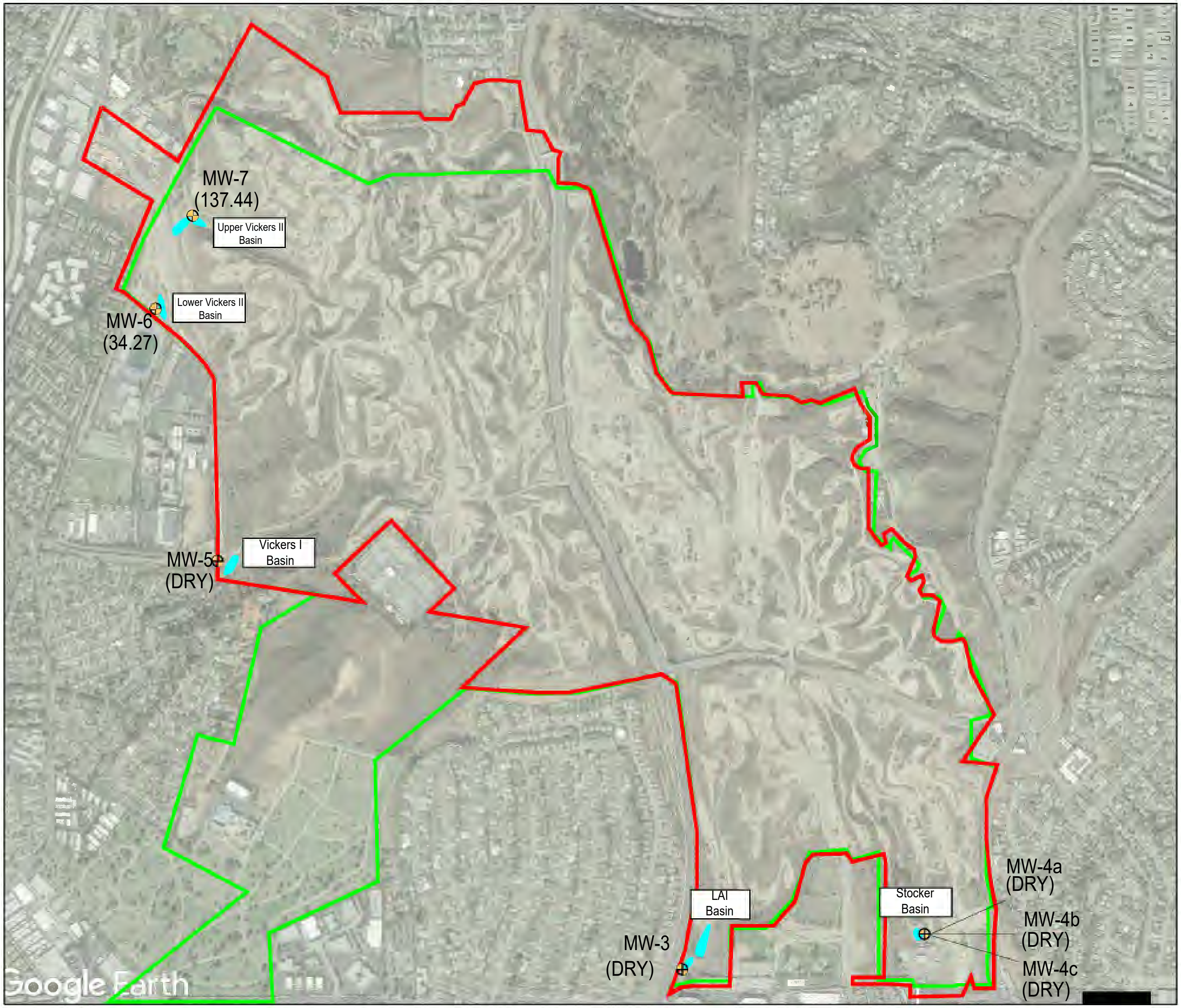
Figures



Note: United States Geological Survey (USGS) Inglewood (1981), Hollywood (1981), Beverly Hills (1981) and Venice (1981) 7.5 Minute Topographic Maps.

SCS ENGINEERS **ENVIRONMENTAL CONSULTANTS** 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805	CLIENT: Sentinel Peak Resources 5640 South Fairfax Avenue Los Angeles, CA 90056	SHEET TITLE: SITE LOCATION MAP	SCALE: NOT TO SCALE
PROJ. NO.: 01218001.00 DWN. BY: T. NGUYEN APP. BY: K. GREEN		PROJECT TITLE: INGLEWOOD OIL FIELD	FIGURE NO.: FIGURE 1



Note: Base map from Google Earth

LEGEND

- Groundwater Monitoring Well
- Active Field Boundary
- CSD Boundary
- Retention Basin
- (110.13) Groundwater Elevation (feet above mean sea level) from December 6, 2022

N

GRAPHIC SCALE

0 1,600 3,200

SCALE IN FEET

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PROJ. NO.	DWN. BY:	ACAD FILE:
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DSN. BY: V. STRICKLER	CHK. BY: T. SCHMIESING	APP. BY: T. SCHMIESING

CLIENT:
Sentinel Peak Resources
5640 South Fairfax Avenue
Los Angeles, CA 90056

SHEET TITLE:
Monitoring Well Locations and Groundwater Elevations (DECEMBER 2022)

PROJECT TITLE:
Inglewood Oil Field

DATE: FEBRUARY 2023

SCALE: 1" = 1,600'

FIGURE NO. 2

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Tables

TABLE 1
Monitoring Parameters
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Parameter	Analytical Method
Parameters Starting November 2021 * **	
pH	SM-4500HB
Total Dissolved Solids	SM-2540C
Diesel Range Organics (C_{12}-C_{24})	EPA-8015B
Diesel Range Organics (C_{12}-C_{24}) (Silica Gel Treated)	Luft/TPHd
Total Petroleum Hydrocarbons Carbon Chain (C8-C44 plus)	EPA-8015CC
Total Petroleum Hydrocarbons Carbon Chain (C8-C44 plus) (Silica Gel Treated)	EPA-8015CC
Oil and Grease *	EPA-1664A HEM
Volatile Organic Compounds **	EPA-8260B
Field pH	Calibrated Field Instrument
Field Specific Conductivity	
Field Turbidity	
Field Temperature	
Parameters Through June 2021	
pH	SM-4500HB
Biochemical Oxygen Demand - Seeded	SM17-5210B
Nitrate as Nitrogen (N)	EPA-300.0
Nitrite as Nitrogen (N)	EPA-353.2
Total Dissolved Solids	SM-2540C
Diesel Range Organics (C_{12}-C_{24})	EPA-8015B
Diesel Range Organics (C_{12}-C_{24}) (Silica Gel Treated)	Luft/TPHd
Oil and Grease *	EPA-1664A HEM
Volatile Organic Compounds **	EPA-8260B
Dissolved Metals (As, Ba, Co, Cr, Cu, Pb, Zn)	EPA-6010B
Dissolved Metal (As)	EPA-6020
Field pH	Calibrated Field Instrument
Field Specific Conductivity	
Field Turbidity	
Field Temperature	

Notes

SM = Standard Method

EPA = Environmental Protection Agency

* = Formerly used Method 418.1 for Total Recoverable Petroleum Hydrocarbons is no longer offered by most analytical laboratories in California.

** = Benzene, Toluene, Ethylbenzene, Xylenes, and Methyl tert-butyl ether only.

*** = Sentinel Peak Resources California LLC, October 2021 (Rev 1), Groundwater Monitoring Program and Workplan, Inglewood Oil Field, Baldwin Hills CSD Title 22, Sections 310.050.S and 310.120.M

As = Arsenic, Ba = Barium, Co = Cobalt, Cr = Chromium, Cu = Copper, Pb = Lead, Zn = Zinc.

TABLE 2

Groundwater Elevation Data
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Well ID	Date	Well Pipe Diameter	Wellhead Elevation	Depth-to-Water	Groundwater Elevation
		inches	feet msl	feet btoc	feet msl
MW-3	11/20/2017	2	197.51	Dry	--
	2/6/2018			Dry	--
	5/15/2018			73.87	123.64
	7/25/2018			Dry	--
	12/10/2018			Dry	--
	2/19/2019			Dry	--
	5/22/2019			64.49	133.02
	8/28/2019			74.90	122.61
	11/13/2019			Dry	--
	2/5/2020			Dry	--
	5/5/2020			Dry	--
	8/25/2020			Dry	--
	11/17/2020			Dry	--
	3/17/2021			Dry	--
	6/22/2021			Dry	--
	11/2/2021			Dry	--
	3/22/2022			Dry	--
	12/6/2022			Dry	--
MW-4a	11/20/2017	2	230.28	Dry	--
	2/6/2018			120.15	110.13
	5/15/2018			119.97	110.31
	7/25/2018			119.99	110.29
	12/10/2018			Dry	--
	2/19/2019			Dry	--
	5/22/2019			Dry	--
	8/28/2019			Dry	--
	11/13/2019			Dry	--
	2/5/2020			Dry	--
	5/5/2020			Dry	--
	8/25/2020			Dry	--
	11/17/2020			Dry	--
	3/17/2021			Dry	--
	6/22/2021			Dry	--
	11/2/2021			Dry	--
	3/22/2022			Dry	--
	12/6/2022			Dry	--
MW-4b	11/20/2017	2	230.30	Dry	--
	2/6/2018			166.50	63.80
	5/15/2018			166.55	63.75
	7/25/2018			166.57	63.73
	12/10/2018			Dry	--
	2/19/2019			Dry	--
	5/22/2019			Dry	--
	8/28/2019			Dry	--
	11/13/2019			Dry	--
	2/5/2020			Dry	--
	5/5/2020			Dry	--
	8/25/2020			Dry	--
	11/17/2020			Dry	--
	3/17/2021			Dry	--
	6/22/2021			Dry	--
	11/2/2021			Dry	--
	3/22/2022			Dry	--
	12/6/2022			Dry	--
MW-4c	11/20/2017	2	230.63	Dry	--
	2/6/2018			139.73	90.90
	5/15/2018			139.75	90.88
	7/25/2018			139.76	90.87
	12/10/2018			Dry	--
	2/19/2019			Dry	--
	5/22/2019			Dry	--
	8/28/2019			139.72	90.91
	11/13/2019			Dry	--
	2/5/2020			Dry	--
	5/5/2020			Dry	--
	8/25/2020			Dry	--
	11/17/2020			Dry	--
	3/17/2021			Dry	--
	6/22/2021			Dry	--
	11/2/2021			Dry	--
	3/22/2022			Dry	--
	12/6/2022			Dry	--

TABLE 2

Groundwater Elevation Data
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Well ID	Date	Well Pipe Diameter	Wellhead Elevation	Depth-to-Water	Groundwater Elevation
		inches	feet msl	feet btoc	feet msl
MW-5	11/20/2017	2	172.82	Dry	--
	2/6/2018			Dry	--
	5/15/2018			Dry	--
	7/25/2018			Dry	--
	12/10/2018			Dry	--
	2/19/2019			Dry	--
	5/22/2019			Dry	--
	8/28/2019			Dry	--
	11/13/2019			Dry	--
	2/5/2020			Dry	--
	5/5/2020			Dry	--
	8/25/2020			Dry	--
	11/17/2020			Dry	--
	3/17/2021			Dry	--
	6/22/2021			Dry	--
	11/2/2021			Dry	--
	3/22/2022			Dry	--
	12/6/2022			Dry	--
MW-6	11/20/2017	2	97.62	62.71	34.91
	2/6/2018			63.61	34.01
	5/15/2018			63.71	33.91
	7/25/2018			63.96	33.66
	12/10/2018			64.76	32.86
	2/19/2019			64.87	32.75
	5/22/2019			61.87	35.75
	8/28/2019			62.11	35.51
	11/13/2019			62.47	35.15
	2/5/2020			61.22	36.40
	5/5/2020			60.99	36.63
	8/25/2020			61.36	36.26
	11/17/2020			61.88	35.74
	3/17/2021			61.98	35.64
	6/22/2021			61.90	35.72
	11/2/2021			62.70	34.92
	3/22/2022			62.74	34.88
	12/6/2022			63.35	34.27
MW-7	11/20/2017	2	186.18	46.20	139.98
	2/6/2018			44.28	141.90
	5/15/2018			45.55	140.63
	7/25/2018			46.87	139.31
	12/10/2018			40.73	145.45
	2/19/2019			39.41	146.77
	5/22/2019			44.70	141.48
	8/28/2019			45.91	140.27
	11/13/2019			46.27	139.91
	2/5/2020			42.58	143.60
	5/5/2020			43.70	142.48
	8/25/2020			46.12	140.06
	12/29/2020 *			46.97	139.21
	3/17/2021 *		187.36	46.10	141.26
	6/22/2021			47.25	140.11
	11/2/2021			49.10	138.26
	3/22/2022			46.18	141.18
	12/6/2022			49.92	137.44

NOTES:

btoc = below top of casing

msl = mean sea level

NM = not measured

-- = not applicable

* Groundwater elevation is estimated. For 12-29-2020, total depth was measured at 54.20 feet below top of casing. The change in total depth is due to the top of the PVC pipe being buried by heavy equipment which likely caused sediment to enter the PVC pipe opening and to deform the upper portions of the pipe. To allow lowering of sample equipment, some PVC pipe was cut off the top of the well. On March 12, 2021 Cascade under SPR oversight redeveloped MW7 and cut about 1 foot PVC to add flush mounted well box (because area will be paved in near future). After redevelopment, Cascade and later SCS measured a total depth below top of PVC casing of 56.40 feet. This well was repaired and redevelopment in March 2021. A new reference point elevation was taken on April 14, 2021 by M. Forkert.

TABLE 3
Stabilized Groundwater Field Sampling Parameters
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Monitoring Well	Sampling Date	Temperature	pH	Electrical Conductivity	Turbidity	Comments
		°F	pH units	µS/cm	NTUs	
MW-3	11/20/2017	---	---	---	---	Dry
	2/6/2018	---	---	---	---	Dry
	5/15/2018	---	---	---	---	Not enough water to sample
	7/25/2018	---	---	---	---	Dry
	12/10/2018	---	---	---	---	Dry
	2/19/2019	---	---	---	---	Dry
	5/22/2019	73.7	7.41	438	15.0	Not enough water to sample
	8/28/2019	---	---	---	---	Not enough water to sample
	11/13/2019	---	---	---	---	Dry
	2/5/2020	---	---	---	---	Dry
	5/5/2020	---	---	---	---	Dry
	8/25/2020	---	---	---	---	Dry
	11/17/2020	---	---	---	---	Dry
	3/17/2021	---	---	---	---	Dry
	6/22/2021	---	---	---	---	Dry
	11/2/2021	---	---	---	---	Dry
	3/22/2022	---	---	---	---	Dry
	12/6/2022	---	---	---	---	Dry
MW-4a	11/20/2017	---	---	---	---	Dry
	2/6/2018	---	---	---	---	Not enough water to sample
	5/15/2018	---	---	---	---	Not enough water to sample
	7/25/2018	---	---	---	---	Not enough water to sample
	12/10/2018	---	---	---	---	Dry
	2/19/2019	---	---	---	---	Dry
	5/22/2019	---	---	---	---	Dry
	8/28/2019	---	---	---	---	Dry
	11/13/2019	---	---	---	---	Dry
	2/5/2020	---	---	---	---	Dry
	5/5/2020	---	---	---	---	Dry
	8/25/2020	---	---	---	---	Dry
	11/17/2020	---	---	---	---	Dry
	3/17/2021	---	---	---	---	Dry
	6/22/2021	---	---	---	---	Dry
	11/2/2021	---	---	---	---	Dry
	3/22/2022	---	---	---	---	Dry
	12/6/2022	---	---	---	---	Dry
MW-4b	11/20/2017	---	---	---	---	Dry
	2/6/2018	---	---	---	---	Not enough water to sample
	5/15/2018	---	---	---	---	Not enough water to sample
	7/25/2018	---	---	---	---	Not enough water to sample
	12/10/2018	---	---	---	---	Dry
	2/19/2019	---	---	---	---	Dry
	5/22/2019	---	---	---	---	Dry
	8/28/2019	---	---	---	---	Dry
	11/13/2019	---	---	---	---	Dry
	2/5/2020	---	---	---	---	Dry
	5/5/2020	---	---	---	---	Dry
	8/25/2020	---	---	---	---	Dry
	11/17/2020	---	---	---	---	Dry
	3/17/2021	---	---	---	---	Dry
	6/22/2021	---	---	---	---	Dry
	11/2/2021	---	---	---	---	Dry
	3/22/2022	---	---	---	---	Dry
	12/6/2022	---	---	---	---	Dry
MW-4c	11/20/2017	---	---	---	---	Dry
	2/6/2018	---	---	---	---	Not enough water to sample
	5/15/2018	---	---	---	---	Not enough water to sample
	7/25/2018	---	---	---	---	Not enough water to sample
	12/10/2018	---	---	---	---	Dry
	2/19/2019	---	---	---	---	Dry
	5/22/2019	---	---	---	---	Dry
	8/28/2019	---	---	---	---	Not enough water to sample
	11/13/2019	---	---	---	---	Dry
	2/5/2020	---	---	---	---	Dry
	5/5/2020	---	---	---	---	Dry
	8/25/2020	---	---	---	---	Dry
	11/17/2020	---	---	---	---	Dry
	3/17/2021	---	---	---	---	Dry
	6/22/2021	---	---	---	---	Dry
	11/2/2021	---	---	---	---	Dry
	3/22/2022	---	---	---	---	Dry
	12/6/2022	---	---	---	---	Dry
MW-5	11/20/2017	---	---	---	---	Dry
	2/6/2018	---	---	---	---	Dry
	5/15/2018	---	---	---	---	Dry
	7/25/2018	---	---	---	---	Dry
	12/10/2018	---	---	---	---	Dry
	2/19/2019	---	---	---	---	Dry
	5/22/2019	---	---	---	---	Dry
	8/28/2019	---	---	---	---	Dry
	11/13/2019	---	---	---	---	Dry
	2/5/2020	---	---	---	---	Dry
	5/5/2020	---	---	---	---	Dry
	8/25/2020	---	---	---	---	Dry
	11/17/2020	---	---	---	---	Dry
	3/17/2021	---	---	---	---	Dry
	6/22/2021	---	---	---	---	Dry
	11/2/2021	---	---	---	---	Dry
	3/22/2022	---	---	---	---	Dry
	12/6/2022	---	---	---	---	Dry
MW-6	11/20/2017	76.2	6.87	3,005	25	
	2/6/2018	73.9	9.40	489	24.01	
	5/15/2018	77.4	6.66	3,400	24	
	7/25/2018	78.7	7.19	2,910	15.3	
	12/12/2018	72.2	6.77	3,273	14	
	2/19/2019	75.0	7.61	3,370	14.4	
	5/22/2019	72.3	6.48	3,170	8.8	
	8/28/2019	78.46	7.14	2,710	5.2	
	11/13/2019	74.91	6.74	2,810	15.3	
	2/5/2020	73.99	7.15	2,610	6.8	
	5/5/2020	72.01	7.18	2,760	6.31	
	8/25/2020	72.66	7.26	2,680	9.43	
	11/17/2020	76.51	6.38	1,890	71	
	3/17/2021	69.08	6.39	1,840	68	
	6/22/2021	69.08	6.53	1,900	76	
	11/2/2021	69.19	6.53	1,920	72	
	3/22/2022	69.37	6.51	1,870	66	
	12/6/2022	69.15	6.56	1,910	70	

TABLE 3

Stabilized Groundwater Field Sampling Parameters
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Monitoring Well	Sampling Date	Temperature	pH	Electrical Conductivity	Turbidity	Comments
		°F	pH units	µS/cm	NTUs	
MW-7	11/20/2017	73.6	7.16	2,780	18	
	2/6/2018	82.6	8.25	57	12.6	
	5/15/2018	78.2	6.97	2,750	93	
	7/25/2018	78.8	7.20	1,650	13.4	
	12/12/2018	70.5	6.19	437	7	
	2/19/2019	74.0	7.49	326	8	
	5/22/2019	70.9	6.22	554	23.8	
	8/28/2019	74.91	7.08	982	6.8	
	11/13/2019	70.43	6.21	4,400	7.2	
	2/5/2020	69.85	6.63	701	8.3	
	5/5/2020	72.84	6.08	712	8.7	
	8/25/2020	72.03	6.73	811	9.3	
	11/17/2020	66.00	6.78	3,170	23	
	3/17/2021	64.40	6.96	2,780	89	
	6/22/2021	64.45	7.22	2,730	68	
	11/2/2021	69.62	7.28	2,690	64	
	3/22/2022	68.38	7.39	2,680	61	
	12/6/2022	68.13	7.31	2,650	86	

NOTES:

°F = Fahrenheit (Field Temperature recorded in Celsius and converted to Farhenheit)
µS/cm = Microsiemens per centimeter
NTU = Nephelometric Turbidity Unit
* Groundwater elevation is estimated. For 12-29-2020, total depth was measured at 54.20 feet below top of casing. The change in total depth is

TABLE 4

Groundwater Analytical Results

TPH, VOCs, and TRPH

Sentinel Peak Resources - Inglewood Oil Field

Los Angeles, California

Sample Location*	Date Collected	TPH-DRO (w/out Silica Gel Filtering)	TPH-DRO (w/Silica Gel Filtering)	VOCs					TRPH / Oil & Grease
				Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	
		C_{12}-C_{24}	C_{12}-C_{24}						
		mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
MW-6	11/20/2017	0.27	<0.10	<0.5	<0.5	<0.5	<1.0	<2.0	<5.0
	2/6/2018	0.11 J	0.10 J	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/15/2018	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	7/25/2018	0.24	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	12/12/2018	0.15 J	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	0.89 J
	2/19/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/22/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	8/28/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	11/13/2019	0.13 J	0.22	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	2/5/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/5/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	8/25/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	11/17/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	3/17/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	6/22/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	11/2/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	3/22/2022	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	12/6/2022	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
MW-7	11/20/2017	0.12	<0.10	<0.5	<0.5	<0.5	<1.0	<2.0	<5.0
	2/6/2018	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/16/2018	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	7/25/2018	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	12/12/2018	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<6.1
	2/19/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/22/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	8/28/2019	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	11/15/2019	0.11 J	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	2/5/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	5/5/2020	0.13 J	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	1.1 J
	8/25/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	12/29/2020	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	3/17/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	6/22/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	11/2/2021	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	3/22/2022	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
	12/6/2022	<0.20	<0.20	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0
Primary MCL		--	--	1.0	150	300	1,750	13	--

Notes:

<# = Not detected. The parameter was not detected above the indicated reporting limit.

J = Estimated concentration above the method detection limit but below the reporting limit.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

*MW-3, MW-4A, MW-4B, MW-4C, and MW-5 were dry or contained insufficient water for purging or filling of sample containers.

TPH-DRO = Diesel Range Organics

VOCs = Volatile Organic Compounds

MTBE = Methyl tert-butyl ether

TRPH = Total Recoverable Petroleum Hydrocarbons or Total Oil and Grease

Primary MCL = Maximum Contaminant Level, the highest level of a substance that is allowed in California drinking water for health risk reasons.

-- = Not applicable/available

TABLE 5

Groundwater Analytical Results
Metals, Nitrate, Nitrite, BOD, TDS, and pH
Sentinel Peak Resources - Inglewood Oil Field
Los Angeles, California

Sample Location*	Date Collected	Nitrate as N	Nitrite as N	Metals, Dissolved ^							BOD	Total Dissolved Solids (TDS)	pH
				Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Zinc			
		mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	pH units
MW-6	11/20/2017	<0.10	<0.30	<7.0	<100	<10	<50	72	<10	<50	14	1,300	6.8
	2/6/2018	<0.20	<0.05	<50**	160	42	8.6 J	30	9.5 J	76	13	1,900	7.45
	5/15/2018	0.068 J	<0.05	<50**	52	<10	<50	<10	<50***	<10	1.8	1,900	7.53
	7/25/2018	<0.20	0.015 JB	<50**	31	<10	<50	5.6 J	<50***	5.9 J	2.0	1,600	7.55
	12/12/2018	<0.20	<0.050	<50**	52	<10	<50	<10	<50***	<10	<2.0	1,700	7.55
	2/19/2019	<0.20	<0.050	<50**	46	<10	<50	<10	<50***	38	2.0	1,900	7.34
	5/22/2019	<0.20	<0.050	<50**	53	<10	<50	<10	<50***	<10	<1.5	1,800	7.54
	8/28/2019	<0.20	<0.050	<50**/4.1	35	<10	<50	<10	<50***	25	<1.5	1,500	7.74
	11/13/2019	<0.50	<0.050	17 J/5.0	48	<10	<50	3.1 J	<50***	<10	2.8	1,700	7.65
	2/5/2020	<0.20	<0.050	13 J/3.3	52	<10	<50	2.1 J	8.8 J	6.3 J	<1.5	1,800	7.14
	5/5/2020	<0.10	<0.050	<50**/4.2	37	1.2 J	<50	5.5 J	<50***	20	4.1	1,300	7.63
	8/25/2020	<0.20	<0.050	<50**/4.8	21	<10	<50	1.8 J	9.4 J	<10	3.9	950	7.74
	11/17/2020	<0.20	<0.050	<50**/4.2	24	<10	<50	2.2 J	<50***	<10	1.8	1,000	7.61
	3/17/2021	<0.20	<0.050	<50**/3.2	26	<10	<50	<10	5.9 J	14	4.5	1,300	7.47
	6/22/2021	<0.50	<0.050	20 J/5.6	31	<10	<50	1.1 J	4.6 J	<10	3.8	1,400	7.31
	11/2/2021	---	---	---	---	---	---	---	---	---	---	1,100	8.23
	3/22/2022	---	---	---	---	---	---	---	---	---	---	1,600	7.40
	12/6/2022	---	---	---	---	---	---	---	---	---	---	1,400	7.25
MW-7	11/20/2017	5.0	<0.30	<7.0	<100	<10	<50	78	<10	<50	<5.0	1,400	6.4
	2/6/2018	4.3	<0.05	<50**	98	38	11 J	15	6.1 J	54	<1.5	330	6.66
	5/16/2018	5.8	0.023 J	<50**	36	<10	1.7 J	<10	<50***	<10	<1.5	1,600	7.35
	7/25/2018	6.1	0.028 JB	14 J	36	2.1 JB	2.0 J	2.3 J	<50***	<10	<1.5	1,600	7.41
	12/12/2018	3.1	<0.050	<50**	7.7 J	2.7 J	<50	<10	<50***	<10	<1.5	290	6.78
	2/19/2019	1.0	<0.050	<50**	9.7 J	1.2 J	<50	2.2 J	<50***	43	3.5	210	6.83
	5/22/2019	1.1	0.015 J	<50**	9.6 J	<10	<50	2.9 J	<50***	<10	<1.5	330	7.15
	8/28/2019	2.7	<0.050	<50**/3.0	9.9 J	<10	<50	1.6 JB	<50***	24	2.0	580	7.62
	11/15/2019	4.1	0.016 J	<50**/6.4	30	<10	<50	4.9 J	5.9 J	<10	<1.5	1,600	7.04
	2/5/2020	0.59	<0.050	<50**/1.3 J	16	<10	<50	2.7 J	3.9 J	6.2 J	<1.5	520	6.82
	5/5/2020	1.6	<0.050	<50**/1.4 J	17	<10	<50	2.4 J	<50***	7.2 J	3.6	530	6.92
	8/25/2020	3.6	<0.050	<50**/4.1	20	<10	<50	3.9 J	17 J	7.4 J	<1.5	920	7.33
	12/29/2020	2.4	0.032 J	21 J/8.3	74	<10	<50	3.4 J	10 J	<10	2.3	1,800	7.17
	3/17/2021	5.4	<0.050	<50**/3.6	87	2.1 J	<50	3.8 J	10 J	20	1.5	1,400	6.94
	6/22/2021	5.3	0.016 J	<50**/7.6	70	6.0 J	4.6 J	7.2 J	8.8 J	18	<1.5	1,600	7.13
	11/2/2021	---	---	---	---	---	---	---	---	---	---	2,000	7.46
	3/22/2022	---	---	---	---	---	---	---	---	---	---	1,600	7.24
	12/6/2022	---	---	---	---	---	---	---	---	---	---	1,900	7.24
Primary MCL/Action Level #		10	1	10	1,000	50	--	1,300 #	15 #	--	--	--	--

Notes:
<# = Not detected. Parameter was not detected above the indicated reporting limit.
J = Estimated concentration above the method detection limit but below the reporting limit.
B = Parameter also detected in the associated method blank.
µg/L = micrograms per liter
mg/L = milligrams per liter
*MW-3, MW-4A, MW-4B, MW-4C, and MW-5 were dry or contained insufficient water for purging or sampling.
** Arsenic reporting limit by Method 6010B is 50 µg/L and method detection limit is 7.8 µg/L (2-2018) and 9.2 µg/L (5-2018, 7-2018, 12-2018, 2-2019, 5-2019, 8-2019, 11-2019, 2-2020, 5-2020, 8-2020, 11-2020, 12-2020, 3-2021, 6-2021). For 8-2019, 11-2019, 2-2020, 5-2020, 8-2020, 11-2020, 12-2020, 3-2021, and 6-2021 arsenic was also analyzed by Method 6020 with a reporting limit of 2.0 ug/L and method detection limit is 0.38 ug/L.
*** Lead reporting limit is 50 µg/l and method detection limit is 3.5 µg/l.
Primary MCL = Primary Maximum Contaminant Level. The highest level of a contaminant that is allowed in California drinking water for health risk purposes.
# Action Level = are for lead and copper. Established by California to monitor concentrations in water treatment plants discharge and their potential contribution from steel water transmission pipes/solder joints to tap water. Copper also has a secondary MCL of 1,000 µg/L, which is not risk based but established for purposes of taste, color, odor, and/or staining of drinking water.
BOD = Biochemical Oxygen Demand
-- = Not applicable/available
--- = Not required after June 2021 per SPR October 2021 (Rev 1).
^ = Metals were filtered in the field. Note-February 6, 2018 samples were not filtered and therefore results are total metal concentrations (not dissolved).

Appendix A

Groundwater Monitoring Sampling Records

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-3 Project # 01218001.00 T5

Facility Name: Inglewood Oil Field Date: 12/06/22

Well Depth: 15.0 Well Diameter: 2" Casing Material.: PVC

Depth to Water: Dry Free Product (Y/N): No

Volume Of Water per Well Volume: NA

Sampler Name(s): Anthony Burrenes

Sampling Equipment: Water level Meter Tubing Material: NA Pump set at ______ ft.

Weather Conditions: Over Cast

NOTES: This well is Dry and did not Sampled

TIME					
Volume Purged					
Water Level (only if measured during purge)					
Purge Rate					
Temp. (oC)					
DO (mg/l)					
EC (mS/cm)					
PH					
ORP (mV)					
Turbidity (NTU)					
CO2					

Water Color /Tint: NA Cloudy (Y/N). NA

Any Suspended Sediment: NA

Field Parameters measured with: NA

Sampled Time: NA Sample collection method: NA

Number of Bottles; NA

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-4A Project # 01218001.00 T5

Facility Name: Inglewood Oil Field Date: 12/06/22

Well Depth: 120.2 Well Diameter: 2" Casing Material: PVC

Depth to Water: Dry Free Product (Y/N): None

Volume Of Water per Well Volume: NA

Sampler Name(s): Anthony Burrows

Sampling Equipment: Water Level Meter Tubing Material: NA Pump set at NA ft.

Weather Conditions: Over Cast

NOTES: This well is Dry and did not Sampled.

TIME					
Volume Purged					
Water Level (only if measured during purge)					
Purge Rate					
Temp. (oC)					
DO (mg/l)					
EC (mS/cm)					
PH					
ORP (mV)					
Turbidity (NTU)					
CO2					

Water Color /Tint: NA Cloudy (Y/N): NA

Any Suspended Sediment: NA

Field Parameters measured with: NA

Sampled Time: NA Sample collection method: NA

Number of Bottles: NA

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-4B Project # 01218001.00 J5

Facility Name: Inglewood Oil Field Date: 12/06/11

Well Depth: 166.7 Well Diameter: 2" Casing Material.: PVC

Depth to Water: DRY Free Product (Y/N): NO

Volume Of Water per Well Volume: NA

Sampler Name(s): Anthony Burrows

Sampling Equipment Water Level Meter Tubing Material NA Pump set at NA ft

Weather Conditions: Over Cast

NOTES: This well is DRY and was not Sample.

TIME					
Volume Purged					
Water Level (only if measured during purge)					
Purge Rate					
Temp. (oC)					
DO (mg/l)					
EC (mS/cm)					
PH					
ORP (mV)					
Turbidity (NTU)					
CO2					

Water Color /Tint. NA Cloudy (Y/N). NA

Any Suspended Sediment: NA

Field Parameters measured with: NA

Sampled Time: NA Sample collection method: NA

Number of Bottles; NA

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-4C Project # 01218001.00 T5

Facility Name: Inglewood Oil Field Date: 12/06/22

Well Depth: 140.0 Well Diameter: ______ Casing Material: PVC

Depth to Water: Dry Free Product (Y/N): NO

Volume Of Water per Well Volume: NA

Sampler Name(s): Anthony Burrows

Sampling Equipment: Water Level Meter Tubing Material: NA Pump set at NA ft.

Weather Conditions: Over Cast

NOTES: This well is Dry and was not Sampled

TIME					
Volume Purged					
Water Level (only if measured during purge)					
Purge Rate					
Temp. (oC)					
DO (mg/l)					
EC (mS/cm)					
PH					
ORP (mV)					
Turbidity (NTU)					
CO2					

Water Color /Tint: NA Cloudy (Y/N): NO

Any Suspended Sediment: None

Field Parameters measured with: Horiba U-52

Sampled Time: NA Sample collection method: NA

Number of Bottles: NA

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-5 Project # 01218001.00 T5

Facility Name: Inglewood Oil Field Date: 12/06/22

Well Depth: 144.3 Well Diameter: 2" Casing Material.: PVC

Depth to Water: Dry Free Product (Y/N): No

Volume Of Water per Well Volume: NA

Sampler Name(s): Anthony Burrowes

Sampling Equipment: Water Level Tubing Material: NA Pump set at NA ft.

Weather Conditions: Over Cast

NOTES: This well is dry and was not sampled

TIME					
Volume Purged					
Water Level (only if measured during purge)					
Purge Rate					
Temp. (oC)					
DO (mg/l)					
EC (mS/cm)					
PH					
ORP (mV)					
Turbidity (NTU)					
CO2					

Water Color /Tint: NA Cloudy (Y/N): NA

Any Suspended Sediment: NA

Field Parameters measured with: NA

Sampled Time: NA Sample collection method: NA

Number of Bottles; NA

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-6 Project # 1218001.00 T5

Facility Name: Inglewood Oil Field Date: 12/06/22

Well Depth: 73.6 Well Diameter: 2" Casing Material: PVC

Depth to Water: **63.35 ALB** Free Product (Y/N): NO

Volume Of Water per Well Volume:

Sampler Name(s): Anthony Burroughs

Sampling Equipment: QED Sample PRO, MP-10 Water Level Meter Tubing Material: Poly Teflon Pump set at 66.0 ft.

Weather Conditions: Over Cast

NOTES: QCEB Collected @ 1126

TIME	1037	1040	1043	1046	1049
Volume Purged	500 ML	1000 ML	1750 ML	2500 ML	3550 ML
Water Level (only if measured during purge)					
Purge Rate	250 mL/min	250 mL/min	250 mL/min	250 mL/min	250 mL/min
Temp. (oC)	22.33	21.94	20.68	20.66	20.64
DO (mg/l)	3.45	3.42	3.39	3.36	3.34
EC (mS/cm)	2.13	2.09	1.97	1.94	1.91
PH	6.65	6.62	6.59	6.58	6.56
ORP (mV)	-154	-156	-158	-161	-163
Turbidity (NTU)	98	90	81	72	70
CO2					

Water Color /Tint: Clear Cloudy (Y/N): None

Any Suspended Sediment: None

Field Parameters measured with: Horiba U-52

Sampled Time: 1050 Sample collection method In-line, QED Sample PRO.

Number of Bottles;

GROUNDWATER SAMPLING RECORD

Sample/Well ID: MW-7 Project # 0218001.00 TB

Facility Name. Anthony Burrows Date: 12/06/22

Well Depth. 56.8 Well Diameter: 2" Casing Material.. PVC

Depth to Water: 49.92 ALB Free Product (Y/N): None

Volume Of Water per Well Volume:

Sampler Name(s): Anthony Burrows

Sampling Equipment: QED Sample PRO MP-10 and Water level Meter Tubing Material: Poly Teflon Pump set at 52.0 ft.

Weather Conditions: Over Cast

NOTES: Water is Brown and Odorless @ time of Sampling

TIME	1256	1259	1304	1307	1310
Volume Purged	750mL/	1500mL	2250mL	3000ML	3750mL
Water Level (only if measured during purge)					
Purge Rate	250mL/min	250mL/min	250mL/min	250mL/min	250mL/min
Temp. (oC)	21.53	20.63	20.46	20.17	20.07
DO (mg/l)	1.74	1.49	1.43	1.41	1.39
EC (mS/cm)	2.70	2.73	2.70	2.67	2.65
PH	7.40	7.37	7.35	7.33	7.31
ORP (mV)	-123	-125	-128	-130	-133
Turbidity (NTU)	96	94	91	88	86
CO2					

Water Color /Tint. Clear Cloudy (Y/N). NO

Any Suspended Sediment: None

Field Parameters measured with: Horiba U-52

Sampled Time: 1311 Sample collection method In-Line-Sample PRO.

Number of Bottles:

Appendix B

Groundwater Laboratory Analytical Report and Chain-of-Custody Documentation

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Date of Report: 01/12/2023

Tina Schmiesing

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806

Client Project:	CSD
BCL Project:	Inglewood Oil Field
BCL Work Order:	2229200
Invoice ID:	B466219

Enclosed are the results of analyses for samples received by the laboratory on 12/6/2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval
Client Service Rep

Stuart Buttram
Operations Manager

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ENVIRONMENTAL SCIENCES

Table of Contents

Pace Analytical
4100 Atlas Ct.
Bakersfield, CA 93308

WSS 4A ~~[illegible]~~ 22 [illegible] 2

Chain of Custody & Sample Information Record

22-29200

Client: SCS ENGINEERS	**Contact:** Tina Schmiesing	**Phone No.** 562-426-9544	
Address: 3900 Kilroy Airport Way, Suite 100	**City:** Long Beach **State:** CA **Zip:** 90806		**Additional Reporting Requests**
Project Name: Inglewood Oil Field - CSD	**Turn Around Time:** [X] Routine [ ] 3-5 Day Rush [ ] 48 Hour Rush [ ] 24 Hour Rush		Include QC Data Package: [ ] Yes [ ] No FAX Results: [ ] Yes [ ] No Email Results: [X] Yes [ ] No State EDT: [ ] Yes [ ] No
Project Number: 01218001.00	***Lab TAT Approval:** By:	*Additional Charges May Apply	(Include Source Number in Notes)

Sampler Information

Name: Anthony Burrows

Employer: SCS Engineers

Signature: ABurrows

Sample Matrix
DW = Drinking Water
WW = Wastewater
GW = Groundwater
MW = Monitoring Well
S = Soil
SW = Stormwater
M = Miscellaneous

Notes
Diss. Metals are field filtered

Analysis Requested

Sample ID	Date	Time	pH	TDS	Oil & Grease	EPA 8260 VOCs (BTEXM)	DRO (C12-C24)	DRO SGT (C12-C24)	8015CC	8015 CC SGT	Sample Matrix	Notes
~~MW-3~~			X	X	X	X	X	X	X	X		Got the Cooler with HCL
MW-6	12-06-22	1050	X	X	X	X	X	X	X	X		32 oz Amber Bottle Broken
MW-7		1311	X	X	X	X	X	X	X	X		Plus other Amber Bottles
QCTB		0640				X						MW-6 and MW-7
QCEB		1126				X						

Relinquished By (sign)	Print Name / Company	Date / Time	Received By (Sign)	Print Name / Company
Anthony Burrows	Anthony Burrows/SCS	12-06-22 15.00	Walter Sneath	Walter Sneath Pace 12-6-22 15.00
Walter Sneath	Walter Sneath	12-6-22 1940	Isbet Oliveros	Isbet Oliveros /Pace/ 12-6-22 2000

(For Lab Use Only) Sample Integrity Upon Receipt					Lab Notes
Sample(s) Submitted on Ice?	Yes	No		Temperature	
Custody Seal(s) Intact?	Yes	No	N/A	°C	
Sample(s) Intact?	Yes	No		[ ] Cooler Blank	

Lab No. ____________

Page 1 of 1

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 2

Submission #: 22-29200

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☑ Other ☐ (Specify)______	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)______	YES ☑ NO ☐ W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: PE Thermometer ID: 274

Temperature: (A) 1.8 °C / (C) 1.8 °C

Date/Time 12/6/22 Analyst Init IC 22000

SAMPLE CONTAINERS	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES	J									
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	K									
PT CYANIDE										
PT NITROGEN FORMS	L									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK			A,B							
40ml VOA VIAL	A - I		~~A,B~~	A - C						
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	M - Q									
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:______

Sample Numbering Completed By: ICR Date/Time: 12/9/22 @ 1050

A = Actual / C = Corrected

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 2 Of 2

Submission #: 22-29200

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☑ Other ☐ (Specify)____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received		
☑ YES ☐ NO	Emissivity: 0.98 Container: PE Thermometer ID: 274 Temperature: (A) 1.7 °C / (C) 1.7 °C	Date/Time 12/6/22 Analyst Init IC 2200

SAMPLE CONTAINERS	~~1~~ 2	2	3	4	5	6	7	8	9	10
QT PE UNPRES	J									
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz	K									
PT CYANIDE										
PT NITROGEN FORMS	L									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-I									
QT EPA 1664B O&G	R									
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER	M-Q									
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:____

Sample Numbering Completed By: DCR Date/Time: 12/8/22 @ 1050

A = Actual / C = Corrected

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806

Reported: 01/12/2023 13:45
Project: Inglewood Oil Field
Project Number: RWQCB
Project Manager: Tina Schmiesing

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2229200-01	**COC Number:** --- **Project Number:** --- **Sampling Location:** --- **Sampling Point:** MW-6 **Sampled By:** Anthony Burrowes		**Receive Date:** 12/06/2022 20:00 **Sampling Date:** 12/06/2022 10:50 **Sample Depth:** --- **Lab Matrix:** Water **Sample Type:** Monitor Well Metal Analysis: 1-Field Filtered and Acidified	
2229200-02	**COC Number:** --- **Project Number:** --- **Sampling Location:** --- **Sampling Point:** MW-7 **Sampled By:** Anthony Burrowes		**Receive Date:** 12/06/2022 20:00 **Sampling Date:** 12/06/2022 13:11 **Sample Depth:** --- **Lab Matrix:** Water **Sample Type:** Monitor Well Metal Analysis: 1-Field Filtered and Acidified	
2229200-03	**COC Number:** --- **Project Number:** --- **Sampling Location:** --- **Sampling Point:** QCTB **Sampled By:** Anthony Burrowes		**Receive Date:** 12/06/2022 20:00 **Sampling Date:** 12/06/2022 06:40 **Sample Depth:** --- **Lab Matrix:** Water **Sample Type:** Trip Blank	
2229200-04	**COC Number:** --- **Project Number:** --- **Sampling Location:** --- **Sampling Point:** QCEB **Sampled By:** Anthony Burrowes		**Receive Date:** 12/06/2022 20:00 **Sampling Date:** 12/06/2022 11:26 **Sample Depth:** --- **Lab Matrix:** Water **Sample Type:** Monitor Well	

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2229200-01 | **Client Sample Name:** MW-6, 12/6/2022 10:50:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125	(LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120	(LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.2	%	80 - 120	(LCL - UCL)	EPA-8260B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8260B	12/09/22 18:00	12/09/22 19:28	RCC	MS-V14	1	B155545	EPA 5030 Water M

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated

BCL Sample ID: 2229200-01 | **Client Sample Name:** MW-6, 12/6/2022 10:50:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Diesel Range Organics (C12-C24)	ND	ug/L	200	74	Luft/FFP	ND		1
TPH - C8 - C9	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C10 - C11	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C12 - C14	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C15 - C16	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C17 - C18	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C19 - C20	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C21 - C22	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C23 - C28	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C29 - C32	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C33 - C36	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C37 - C40	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C41 - C43	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C44 plus	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH (Total)	ND	ug/L	200	100	EPA-8015CC	ND		2
Tetracosane (Surrogate)	79.9	%	37 - 134 (LCL - UCL)		Luft/FFP			1
Tetracosane (Surrogate)	79.9	%	37 - 134 (LCL - UCL)		EPA-8015CC			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Luft/FFP	12/13/22 09:30	12/16/22 06:28	BUP	GC-13	1	B156286	EPA 3510C/SG
2	EPA-8015CC	12/13/22 09:30	12/16/22 06:28	BUP	GC-13	1	B156286	EPA 3510C/SG

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Total Petroleum Hydrocarbons

BCL Sample ID: 2229200-01 | **Client Sample Name:** MW-6, 12/6/2022 10:50:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Diesel Range Organics (C12-C24	ND	ug/L	200	74	EPA-8015B/FFP	ND		1
TPH - C8 - C9	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C10 - C11	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C12 - C14	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C15 - C16	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C17 - C18	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C19 - C20	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C21 - C22	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C23 - C28	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C29 - C32	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C33 - C36	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C37 - C40	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C41 - C43	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C44 plus	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH (Total)	ND	ug/L	200	100	EPA-8015CC	ND		2
Tetracosane (Surrogate)	139	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP		S09	1
Tetracosane (Surrogate)	139	%	37 - 134 (LCL - UCL)		EPA-8015CC		S09	2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/13/22 13:00	12/15/22 16:32	BUP	GC-13	1	B156312	EPA 3510C
2	EPA-8015CC	12/13/22 13:00	12/15/22 16:32	BUP	GC-13	1	B156312	EPA 3510C

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

EPA Method 1664

BCL Sample ID: 2229200-01 | **Client Sample Name:** MW-6, 12/6/2022 10:50:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Oil and Grease	ND	mg/L	5.0	0.74	EPA-1664B HEM	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-1664B HEM	12/16/22 11:00	12/19/22 13:46	MAM	Inst	1	B156265	EPA 1664/HEM

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Water Analysis (General Chemistry)

BCL Sample ID: 2229200-01 | **Client Sample Name:** MW-6, 12/6/2022 10:50:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
pH	7.25	pH Units	0.05	0.05	SM-4500HB		S05	1
Total Dissolved Solids @ 180 C	1400	mg/L	100	50	SM-2540C	ND	A10	2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	SM-4500HB	12/13/22 06:00	12/13/22 16:12	RML	MET-1	1	B155602	No Prep
2	SM-2540C	12/12/22 17:00	12/12/22 17:00	CAD	MANUAL	10	B155814	No Prep

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2229200-02 | **Client Sample Name:** MW-7, 12/6/2022 1:11:00PM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8260B	12/09/22 18:00	12/09/22 19:51	RCC	MS-V14	1	B155545	EPA 5030 Water M

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated

BCL Sample ID: 2229200-02 | **Client Sample Name:** MW-7, 12/6/2022 1:11:00PM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Diesel Range Organics (C12-C24)	ND	ug/L	200	74	Luft/FFP	ND		1
TPH - C8 - C9	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C10 - C11	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C12 - C14	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C15 - C16	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C17 - C18	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C19 - C20	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C21 - C22	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C23 - C28	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C29 - C32	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C33 - C36	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C37 - C40	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C41 - C43	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C44 plus	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH (Total)	ND	ug/L	200	100	EPA-8015CC	ND		2
Tetracosane (Surrogate)	80.3	%	37 - 134	(LCL - UCL)	Luft/FFP			1
Tetracosane (Surrogate)	80.3	%	37 - 134	(LCL - UCL)	EPA-8015CC			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Luft/FFP	12/13/22 09:30	12/16/22 06:51	BUP	GC-13	1	B156286	EPA 3510C/SG
2	EPA-8015CC	12/13/22 09:30	12/16/22 06:51	BUP	GC-13	1	B156286	EPA 3510C/SG

DCN = Data Continuation Number

SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806

Reported: 01/12/2023 13:45
Project: Inglewood Oil Field
Project Number: RWQCB
Project Manager: Tina Schmiesing

Total Petroleum Hydrocarbons

BCL Sample ID: 2229200-02 | **Client Sample Name:** MW-7, 12/6/2022 1:11:00PM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Diesel Range Organics (C12-C24	ND	ug/L	200	74	EPA-8015B/FFP	ND		1
TPH - C8 - C9	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C10 - C11	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C12 - C14	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C15 - C16	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C17 - C18	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C19 - C20	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C21 - C22	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C23 - C28	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C29 - C32	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C33 - C36	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C37 - C40	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C41 - C43	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH - C44 plus	ND	ug/L	10	5.0	EPA-8015CC	ND		2
TPH (Total)	ND	ug/L	200	100	EPA-8015CC	ND		2
Tetracosane (Surrogate)	120	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1
Tetracosane (Surrogate)	120	%	37 - 134 (LCL - UCL)		EPA-8015CC			2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/13/22 13:00	12/15/22 18:27	BUP	GC-13	1	B156312	EPA 3510C
2	EPA-8015CC	12/13/22 13:00	12/15/22 18:27	BUP	GC-13	1	B156312	EPA 3510C

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

EPA Method 1664

BCL Sample ID: 2229200-02 | **Client Sample Name:** MW-7, 12/6/2022 1:11:00PM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Oil and Grease	ND	mg/L	5.0	0.74	EPA-1664B HEM	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-1664B HEM	12/16/22 11:00	12/19/22 13:46	MAM	Inst	0.943	B156265	EPA 1664/HEM

DCN = Data Continuation Number

SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Water Analysis (General Chemistry)

BCL Sample ID: 2229200-02 | **Client Sample Name:** MW-7, 12/6/2022 1:11:00PM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
pH	**7.24**	**pH Units**	**0.05**	**0.05**	**SM-4500HB**		**S05**	1
Total Dissolved Solids @ 180 C	**1900**	**mg/L**	**100**	**50**	**SM-2540C**	ND	**A10**	2

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	SM-4500HB	12/13/22 06:00	12/13/22 16:20	RML	MET-1	1	B155602	No Prep
2	SM-2540C	12/12/22 17:00	12/12/22 17:00	CAD	MANUAL	10	B155814	No Prep

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2229200-03 | **Client Sample Name:** QCTB, 12/6/2022 6:40:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8260B	12/09/22 18:00	12/09/22 20:14	RCC	MS-V14	1	B155545	EPA 5030 Water M

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 2229200-04 | **Client Sample Name:** QCEB, 12/6/2022 11:26:00AM, Anthony Burrowes

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8260B	12/09/22 18:00	12/09/22 20:38	RCC	MS-V14	1	B155545	EPA 5030 Water M

DCN = Data Continuation Number

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B155545							
Benzene	B155545-BLK1	ND	ug/L	0.50	0.083		1
Ethylbenzene	B155545-BLK1	ND	ug/L	0.50	0.098		1
Methyl t-butyl ether	B155545-BLK1	ND	ug/L	0.50	0.11		1
Toluene	B155545-BLK1	ND	ug/L	0.50	0.093		1
Total Xylenes	B155545-BLK1	ND	ug/L	1.0	0.36		1
p- & m-Xylenes	B155545-BLK1	ND	ug/L	0.50	0.28		1
o-Xylene	B155545-BLK1	ND	ug/L	0.50	0.082		1
1,2-Dichloroethane-d4 (Surrogate)	**B155545-BLK1**	**99.8**	**%**	**75 - 125 (LCL - UCL)**			1
Toluene-d8 (Surrogate)	**B155545-BLK1**	**99.1**	**%**	**80 - 120 (LCL - UCL)**			1
4-Bromofluorobenzene (Surrogate)	**B155545-BLK1**	**91.4**	**%**	**80 - 120 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155545-BLK1	PB	EPA-8260B	12/08/22	12/08/22 22:40	RCC	MS-V14	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B155545											
Benzene	B155545-BS1	LCS	27.141	25.000	ug/L	109		70 - 130			1
Toluene	B155545-BS1	LCS	26.986	25.000	ug/L	108		70 - 130			1
1,2-Dichloroethane-d4 (Surrogate)	B155545-BS1	LCS	9.8600	10.000	ug/L	98.6		75 - 125			1
Toluene-d8 (Surrogate)	B155545-BS1	LCS	9.9700	10.000	ug/L	99.7		80 - 120			1
4-Bromofluorobenzene (Surrogate)	B155545-BS1	LCS	9.8300	10.000	ug/L	98.3		80 - 120			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155545-BS1	LCS	EPA-8260B	12/08/22	12/08/22 23:26	RCC	MS-V14	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B155545	Used client sample: N											
Benzene	MS	2228776-26	ND	26.897	25.000	ug/L		108		70 - 130		1
	MSD	2228776-26	ND	27.785	25.000	ug/L	3.2	111	20	70 - 130		2
Toluene	MS	2228776-26	ND	26.979	25.000	ug/L		108		70 - 130		1
	MSD	2228776-26	ND	28.264	25.000	ug/L	4.7	113	20	70 - 130		2
1,2-Dichloroethane-d4 (Surrogate)	MS	2228776-26	ND	10.060	10.000	ug/L		101		75 - 125		1
	MSD	2228776-26	ND	10.160	10.000	ug/L	1.0	102		75 - 125		2
Toluene-d8 (Surrogate)	MS	2228776-26	ND	10.050	10.000	ug/L		100		80 - 120		1
	MSD	2228776-26	ND	10.120	10.000	ug/L	0.7	101		80 - 120		2
4-Bromofluorobenzene (Surrogate)	MS	2228776-26	ND	10.060	10.000	ug/L		101		80 - 120		1
	MSD	2228776-26	ND	10.070	10.000	ug/L	0.1	101		80 - 120		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155545-MS1	MS	EPA-8260B	12/08/22	12/08/22 23:49	RCC	MS-V14	1
2	B155545-MSD1	MSD	EPA-8260B	12/08/22	12/09/22 00:13	RCC	MS-V14	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B156286							
Diesel Range Organics (C12-C24)	B156286-BLK1	ND	ug/L	200	74		1
TPH - C8 - C9	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C10 - C11	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C12 - C14	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C15 - C16	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C17 - C18	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C19 - C20	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C21 - C22	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C23 - C28	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C29 - C32	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C33 - C36	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C37 - C40	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C41 - C43	B156286-BLK1	ND	ug/L	10	5.0		2
TPH - C44 plus	B156286-BLK1	ND	ug/L	10	5.0		2
TPH (Total)	B156286-BLK1	ND	ug/L	200	100		2
Tetracosane (Surrogate)	**B156286-BLK1**	**98.8**	%	**37 - 134 (LCL - UCL)**			1
Tetracosane (Surrogate)	**B156286-BLK1**	**98.8**	%	**37 - 134 (LCL - UCL)**			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156286-BLK1	PB	Luft/FFP	12/13/22	12/16/22 04:56	BUP	GC-13	1
2	B156286-BLK1	PB	EPA-8015CC	12/13/22	12/16/22 04:56	BUP	GC-13	1

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SCS Engineers - Long Beach	**Reported:** 01/12/2023 13:45
3900 Kilroy Airport Way, Suite 100	Project: Inglewood Oil Field
Long Beach, CA 90806	Project Number: RWQCB
	Project Manager: Tina Schmiesing

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B156286											
Diesel Range Organics (C12-C24)	B156286-BS1	LCS	1668.8	2500.0	ug/L	66.8		52 - 128			1
Tetracosane (Surrogate)	B156286-BS1	LCS	110.02	100.00	ug/L	110		37 - 134			1
Tetracosane (Surrogate)	B156286-BS1	LCS	110.02	100.00	ug/L	110		37 - 134			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156286-BS1	LCS	Luft/FFP	12/13/22	12/16/22 05:19	BUP	GC-13	1
2	B156286-BS1	LCS	EPA-8015CC	12/13/22	12/16/22 05:19	BUP	GC-13	1

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SCS Engineers - Long Beach	**Reported:** 01/12/2023 13:45
3900 Kilroy Airport Way, Suite 100	Project: Inglewood Oil Field
Long Beach, CA 90806	Project Number: RWQCB
	Project Manager: Tina Schmiesing

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B156286	Used client sample: N											
Diesel Range Organics (C12-C24)	MS	2228776-19	ND	1776.4	2500.0	ug/L		71.1		50 - 127		1
	MSD	2228776-19	ND	1479.5	2500.0	ug/L	18.2	59.2	24	50 - 127		2
Tetracosane (Surrogate)	MS	2228776-19	ND	112.58	100.00	ug/L		113		37 - 134		1
	MSD	2228776-19	ND	92.295	100.00	ug/L	19.8	92.3		37 - 134		2
Tetracosane (Surrogate)	MS	2228776-19	ND	112.58	100.00	ug/L		113		37 - 134		3
	MSD	2228776-19	ND	92.295	100.00	ug/L	19.8	92.3		37 - 134		4

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156286-MS1	MS	Luft/FFP	12/13/22	12/16/22 05:42	BUP	GC-13	1
2	B156286-MSD1	MSD	Luft/FFP	12/13/22	12/16/22 06:05	BUP	GC-13	1
3	B156286-MS1	MS	EPA-8015CC	12/13/22	12/16/22 05:42	BUP	GC-13	1
4	B156286-MSD1	MSD	EPA-8015CC	12/13/22	12/16/22 06:05	BUP	GC-13	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B156312							
Diesel Range Organics (C12-C24	B156312-BLK1	ND	ug/L	200	74		1
TPH - C8 - C9	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C10 - C11	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C12 - C14	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C15 - C16	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C17 - C18	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C19 - C20	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C21 - C22	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C23 - C28	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C29 - C32	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C33 - C36	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C37 - C40	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C41 - C43	B156312-BLK1	ND	ug/L	10	5.0		2
TPH - C44 plus	B156312-BLK1	ND	ug/L	10	5.0		2
TPH (Total)	B156312-BLK1	ND	ug/L	200	100		2
Tetracosane (Surrogate)	**B156312-BLK1**	**130**	%	**37 - 134 (LCL - UCL)**			2
Tetracosane (Surrogate)	**B156312-BLK1**	**130**	%	**37 - 134 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156312-BLK1	PB	EPA-8015B/FFP	12/13/22	12/15/22 18:04	BUP	GC-13	1
2	B156312-BLK1	PB	EPA-8015CC	12/13/22	12/15/22 18:04	BUP	GC-13	1

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SCS Engineers - Long Beach	**Reported:** 01/12/2023 13:45
3900 Kilroy Airport Way, Suite 100	Project: Inglewood Oil Field
Long Beach, CA 90806	Project Number: RWQCB
	Project Manager: Tina Schmiesing

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B156312											
Diesel Range Organics (C12-C24	B156312-BS1	LCS	2064.5	2500.0	ug/L	82.6		52 - 128			1
Tetracosane (Surrogate)	B156312-BS1	LCS	125.65	100.00	ug/L	126		37 - 134			2
Tetracosane (Surrogate)	B156312-BS1	LCS	125.65	100.00	ug/L	126		37 - 134			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156312-BS1	LCS	EPA-8015B/FFP	12/13/22	12/15/22 16:55	BUP	GC-13	1
2	B156312-BS1	LCS	EPA-8015CC	12/13/22	12/15/22 16:55	BUP	GC-13	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B156312	Used client sample: N											
Diesel Range Organics (C12-C24	MS	2228776-27	ND	2002.3	2500.0	ug/L		80.1		50 - 127		1
	MSD	2228776-27	ND	2517.8	2500.0	ug/L	22.8	101	24	50 - 127		2
Tetracosane (Surrogate)	MS	**2228776-27**	**ND**	**121.98**	**100.00**	**ug/L**		**122**		**37 - 134**		3
	MSD	**2228776-27**	**ND**	**150.02**	**100.00**	**ug/L**	**20.6**	**150**		**37 - 134**	**S09**	4
Tetracosane (Surrogate)	MS	**2228776-27**	**ND**	**121.98**	**100.00**	**ug/L**		**122**		**37 - 134**		1
	MSD	**2228776-27**	**ND**	**150.02**	**100.00**	**ug/L**	**20.6**	**150**		**37 - 134**	**S09**	2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156312-MS1	MS	EPA-8015B/FFP	12/13/22	12/15/22 17:18	BUP	GC-13	1
2	B156312-MSD1	MSD	EPA-8015B/FFP	12/13/22	12/15/22 17:41	BUP	GC-13	1
3	B156312-MS1	MS	EPA-8015CC	12/13/22	12/15/22 17:18	BUP	GC-13	1
4	B156312-MSD1	MSD	EPA-8015CC	12/13/22	12/15/22 17:41	BUP	GC-13	1

SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

EPA Method 1664

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B156265							
Oil and Grease	B156265-BLK1	ND	mg/L	5.0	0.74		1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156265-BLK1	PB	EPA-1664B HEM	12/16/22	12/19/22 13:46	MAM	Inst	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

EPA Method 1664

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B156265											
Oil and Grease	B156265-BS1	LCS	38.500	39.800	mg/L	96.7		78 - 114			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156265-BS1	LCS	EPA-1664B HEM	12/16/22	12/19/22 13:46	MAM	Inst	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

EPA Method 1664

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B156265	Used client sample: N											
Oil and Grease	DUP	2228081-04	ND	ND		mg/L			18			1
	MS	2228081-04	ND	38.550	39.800	mg/L		96.9		78 - 114		2
	MSD	2228081-04	ND	40.000	39.800	mg/L	3.7	101	18	78 - 114		3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B156265-DUP1	DUP	EPA-1664B HEM	12/16/22	12/19/22 13:46	MAM	Inst	1
2	B156265-MS1	MS	EPA-1664B HEM	12/16/22	12/19/22 13:46	MAM	Inst	1
3	B156265-MSD1	MSD	EPA-1664B HEM	12/16/22	12/19/22 13:46	MAM	Inst	1

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B155814							
Total Dissolved Solids @ 180 C	B155814-BLK1	ND	mg/L	6.7	3.3		1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155814-BLK1	PB	SM-2540C	12/12/22	12/12/22 17:00	CAD	MANUAL	0.667

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B155602											
pH	B155602-BS2	LCS	7.0200	7.0000	pH Units	100		95 - 105			1
QC Batch ID: B155814											
Total Dissolved Solids @ 180 C	B155814-BS1	LCS	580.00	586.00	mg/L	99.0		90 - 110			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155602-BS2	LCS	SM-4500HB	12/13/22	12/13/22 15:04	RML	MET-1	1
2	B155814-BS1	LCS	SM-2540C	12/12/22	12/12/22 17:00	CAD	MANUAL	5

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SCS Engineers - Long Beach 3900 Kilroy Airport Way, Suite 100 Long Beach, CA 90806	**Reported:** 01/12/2023 13:45 Project: Inglewood Oil Field Project Number: RWQCB Project Manager: Tina Schmiesing

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B155602	Used client sample: N											
pH	DUP	2229149-06	7.5800	7.5700		pH Units	0.1		20			1
QC Batch ID: B155814	Used client sample: Y - Description: MW-6, 12/06/2022 10:50											
Total Dissolved Solids @ 180 C	DUP	2229200-01	1410.0	1430.0		mg/L	1.4		10			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155602-DUP1	DUP	SM-4500HB	12/13/22	12/13/22 15:31	RML	MET-1	1
2	B155814-DUP1	DUP	SM-2540C	12/12/22	12/12/22 17:00	CAD	MANUAL	10

SCS Engineers - Long Beach	**Reported:** 01/12/2023 13:45
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Long Beach, CA 90806	Project Number: RWQCB
	Project Manager: Tina Schmiesing

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
S05	The sample holding time was exceeded.
S09	The surrogate recovery for this compound was not within the control limits.

Appendix C

Historical Summary Table and
Time Series Graphs

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO	TPH-DRO (w/Silica Gel Filtering)	BTEX/MTBE	Total Recoverable Petroleum Hydrocarbons or Oil and Grease	Total Dissolved Solids (TDS)	Nitrate and Nitrite	Metals	BOD	COMMENTS
		C_{10}-C_{28}	C_{10}-C_{28}							
		(mg/L)	(mg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(µg/L)	(mg/L)	
MW-3	4/2/2010	1.3	0.14	0.95 toluene	<5.0	900	NA	NA	NA	
	6/2/2010	1.4	<0.10	0.76 toluene	<5.0	780	NA	NA	NA	
	9/16/2010	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	12/14/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/11/2011	1.1	<0.10	5.8 toluene	<5.0	1100	Below Detection Limit	33 arsenic	40.1	
	6/6/2011	1.3	0.18	Below Detection Limit	<5.0	850	<0.20	28 arsenic	50.5	
	9/19/2011	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/22/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/15/2012	2.1	0.34	0.85 benzene, 0.57 toluene, 0.5 ethylbenzene, 1.73 xylenes	<5.0	760	Below Detection Limit	37 arsenic, 130 barium, 32 chromium, 36 copper, 4.2 lead, 88 zinc	43.4	
	4/26/2012	1.3	0.19	Below Detection Limit	<5.0	810	Below Detection Limit	28 arsenic, 73 barium, 15 chromium, 19 copper, 79 zinc	40.9	
	8/30/2012	0.99	0.23	Below Detection Limit	<5.0	764	0.1 nitrate	29 arsenic, 16 zinc	Feb-00	
	11/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/27/2013	0.73	<0.10	Below Detection Limit	<5.0	880	Below Detection Limit	32 arsenic	52.1	
	5/13/2013	0.78	<0.10	Below Detection Limit	<5.0	910	Below Detection Limit	28 arsenic	57.6	
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/21/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	3/13/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/26/2015	1.4	0.43	0.67 toluene	<5.0	950	0.83 nitrite	31 arsenic	46.3	Purged with bailer
	5/18/2015	0.6	<0.10	Below Detection Limit	<5.0	980	Below Detection Limit	28 arsenic	34.8	
	8/18/2015	1.1	<0.10	Below Detection Limit	<5.0	930	Below Detection Limit	Below Detection Limit	37	
	11/16/2015	1.2	0.13	Below Detection Limit	<5.0	840	0.36 nitrate	45 arsenic	70	Purged with bailer
	2/1/2016	0.28	<0.10	Below Detection Limit	<5.0	650	2.7 nitrate	35 arsenic	25.3	
	5/16/2016	0.97	<0.10	Below Detection Limit	<5.0	500	0.36 nitrate	36 arsenic	34	
	8/25/2016	0.72	<0.10	Below Detection Limit	NS	660	<0.10 Nitrate	Below Detection Limit	NS	
	11/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	3/17/2017	0.91	<0.10	Below Detection Limit	<5.0	580	Below Detection Limit	44 arsenic, 170 barium, 35 copper	24.3	
	6/1/2017	0.87	<0.10	Below Detection Limit	<5.0	390	Below Detection Limit	Below Detection Limit	42	
	9/5/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/6/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/15/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	7/25/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/10/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/19/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2019	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	8/28/2019	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/13/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/17/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/17/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/22/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/2/2021	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	3/22/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	12/6/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO C_{10}-C_{28} (mg/L)	TPH-DRO (w/Silica Gel Filtering) C_{10}-C_{28} (mg/L)	BTEX/MTBE (µg/L)	Total Recoverable Petroleum Hydrocarbons or Oil and Grease (mg/L)	Total Dissolved Solids (TDS) (mg/L)	Nitrate and Nitrite (mg/L)	Metals (µg/L)	BOD (mg/L)	COMMENTS
MW-4a	4/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/16/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/14/2010	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	3/10/2011	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	6/6/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/19/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/22/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/15/2012	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	4/26/2012	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	8/5/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/27/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	5/13/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/21/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/13/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/26/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/1/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/17/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/8/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/1/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/5/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/6/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	5/15/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	7/25/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	12/10/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/19/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/28/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/13/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/17/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/17/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/22/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/2/2021	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	3/22/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	12/6/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO	TPH-DRO (w/Silica Gel Filtering)	BTEX/MTBE	Total Recoverable Petroleum Hydrocarbons or Oil and Grease	Total Dissolved Solids (TDS)	Nitrate and Nitrite	Metals	BOD	COMMENTS
		C_{10}-C_{28}	C_{10}-C_{28}							
		(mg/L)	(mg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(μg/L)	(mg/L)	
MW-4b	4/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/16/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/14/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/12/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/6/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/19/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/22/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/15/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	4/26/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/5/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/27/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/13/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/21/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/13/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/26/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/1/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/17/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/8/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/1/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/5/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/6/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	5/15/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	7/25/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	12/10/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/19/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/28/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/13/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/17/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/17/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/22/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/2/2021	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	3/22/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	12/6/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO C_{10}-C_{28} (mg/L)	TPH-DRO (w/Silica Gel Filtering) C_{10}-C_{28} (mg/L)	BTEX/MTBE (µg/L)	Total Recoverable Petroleum Hydrocarbons or Oil and Grease (mg/L)	Total Dissolved Solids (TDS) (mg/L)	Nitrate and Nitrite (mg/L)	Metals (µg/L)	BOD (mg/L)	COMMENTS
MW-4c	4/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/16/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/14/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/12/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/6/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/19/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/22/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/15/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	4/26/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/5/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/27/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/13/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/21/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/13/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/26/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/1/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/17/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/8/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/1/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/5/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/6/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	5/15/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	7/25/2018	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	12/10/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/19/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/28/2019	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/13/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/17/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/17/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/22/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/2/2021	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	3/22/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	12/6/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO	TPH-DRO (w/Silica Gel Filtering)	BTEX/MTBE	Total Recoverable Petroleum Hydrocarbons or Oil and Grease	Total Dissolved Solids (TDS)	Nitrate and Nitrite	Metals	BOD	COMMENTS
		C_{10}-C_{28}	C_{10}-C_{28}							
		(mg/L)	(mg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(μg/L)	(mg/L)	
MW-5	4/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/2/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/16/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/14/2010	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/11/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/6/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/19/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/22/2011	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/15/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	4/26/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/5/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2012	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/13/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/15/2013	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient Water
	11/21/2013	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/13/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/12/2014	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/26/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/18/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2015	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/17/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/16/2016	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/8/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/1/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	9/5/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/20/2017	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/6/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/15/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	7/25/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	12/10/2018	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/19/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/22/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/28/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/13/2019	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	2/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	5/5/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	8/25/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/17/2020	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	3/17/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	6/22/2021	NS	NS	NS	NS	NS	NS	NS	NS	Well Dry
	11/2/2021	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	3/22/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry
	12/6/2022	NS	NS	NS	NS	NS	NA	NA	NA	Well Dry

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

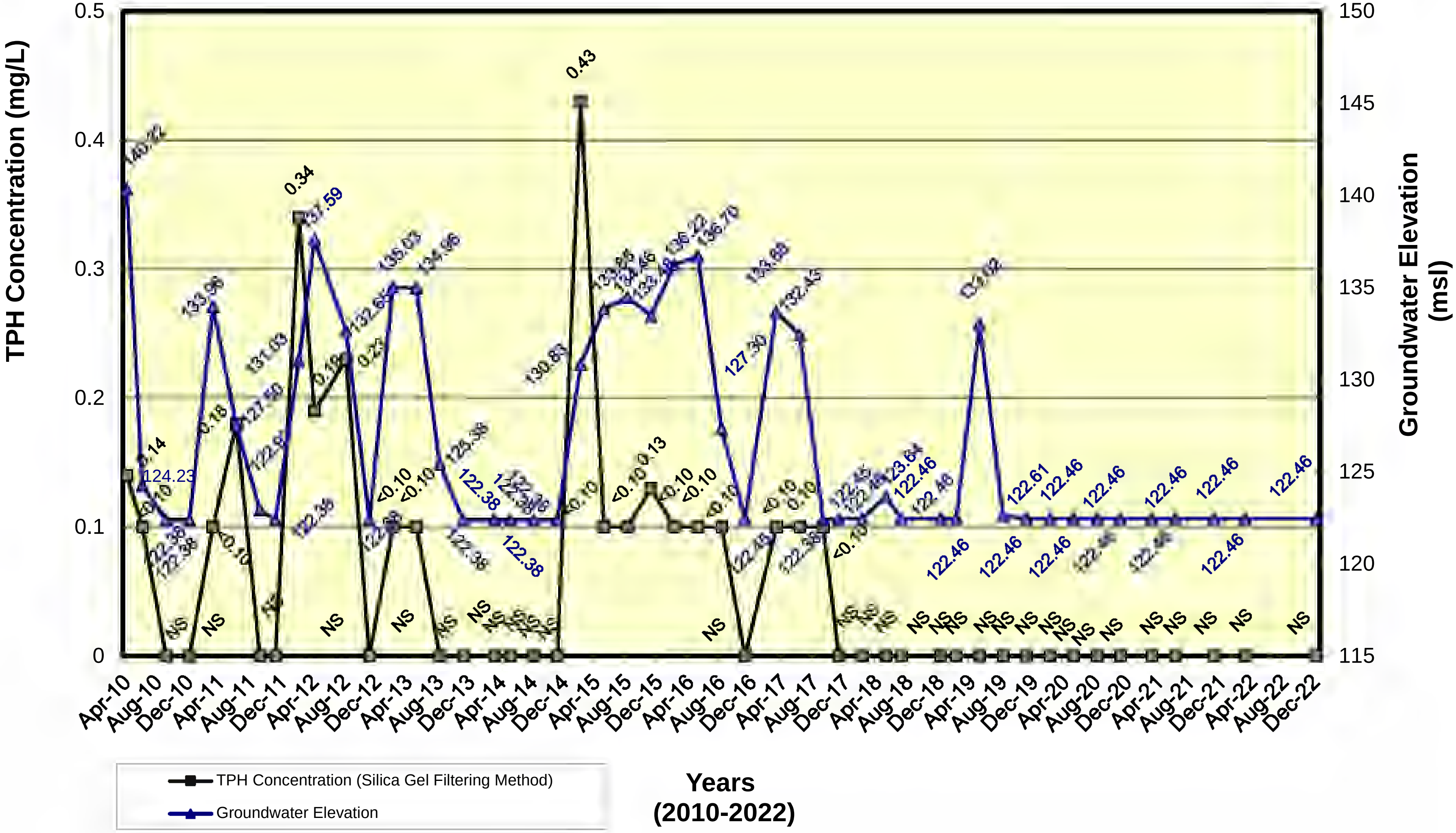
Well ID	Date	TPH-DRO	TPH-DRO (w/Silica Gel Filtering)	BTEX/MTBE	Total Recoverable Petroleum Hydrocarbons or Oil and Grease	Total Dissolved Solids (TDS)	Nitrate and Nitrite	Metals	BOD	COMMENTS
		C_{10}-C_{28}	C_{10}-C_{28}							
		(mg/L)	(mg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(µg/L)	(mg/L)	
MW-6	4/2/2010	0.52	<0.10	Below Detection Limit	<5.0	2,300	NA	NA	NA	
	6/2/2010	0.48	<0.10	0.62 toluene	<5.0	2,700	NA	NA	NA	
	9/16/2010	1.20	<0.050	7.2 toluene	<5.0	2,500	Below Detection Limit	70 barium, 22 zinc	49.2	
	12/14/2010	0.31	<0.10	7.4 toluene	7.1	2,500	5.3 nitrate	70 barium	49.5	
	9/19/2011	0.42	<0.10	2.0 toluene	<5.0	2,200	Below Detection Limit	51 barium, 23 zinc	34.1	
	11/22/2011	0.34	<0.10	Below Detection Limit	<5.0	2,000	Below Detection Limit	56 barium	30.4	
	2/15/2012	0.71	0.12	Below Detection Limit	<5.0	2,500	Below Detection Limit	70 barium, 18 zinc	32.6	
	4/26/2012									
	2/14/2012	<0.10	<0.10	<0.50	<5.0	1,600				
	4/26/2012	0.40	<0.10	Below Detection Limit	<5.0	2,200	Below Detection Limit	60 barium	36.7	
	8/30/2012	0.36	<0.10	Below Detection Limit	<5.0	2,580	Below Detection Limit	64 barium	38.8	
	11/20/2012	0.42	<0.10	Below Detection Limit	<5.0	1,400	Below Detection Limit	61 barium	23.2	
	2/27/2013	0.36	<0.10	Below Detection Limit	<5.0	2,600	Below Detection Limit	Below Detection Limit	41.6	
	5/13/2013	0.24	<0.10	Below Detection Limit	<5.0	2,500	Below Detection Limit	Below Detection Limit	63.0	
	8/15/2013	0.40	<0.10	Below Detection Limit	<5.0	2,500	0.65 nitrate	52 barium	23.0	
	11/21/2013	0.36	<0.10	Below Detection Limit	<5.0	2,400	0.61 nitrate	Below Detection Limit	50.7	
	3/13/2014	0.42	<0.10	Below Detection Limit	<5.0	2,800	Below Detection Limit	Below Detection Limit	43.1	
	5/22/2014	0.44	<0.10	Below Detection Limit	<5.0	2,600	Below Detection Limit	Below Detection Limit	37.4	
	11/12/2014	0.32	<0.10	Below Detection Limit	<5.0	2,800	1.5 nitrate	Below Detection Limit	35.9	
	2/26/2015	0.43	<0.10	Below Detection Limit	<5.0	2,400	Below Detection Limit	Below Detection Limit	37.3	
	5/18/2015	0.18	<0.10	Below Detection Limit	<5.0	2,000	Below Detection Limit	Below Detection Limit	33.0	
	8/18/2015	0.64	0.11	Below Detection Limit	<5.0	1,380	Below Detection Limit	Below Detection Limit	35.0	
	11/16/2015	0.31	<0.10	Below Detection Limit	<5.0	2,500	Below Detection Limit	Below Detection Limit	52.6	
	2/1/2016	0.84	<0.10	Below Detection Limit	<5.0	1,600	0.33 nitrate	Below Detection Limit	36.1	
	5/17/2016	NS	NS	Below Detection Limit	<5.0	NS	1.1 nitrate	Below Detection Limit	NS	
	8/25/2016	0.19	<0.10	Below Detection Limit	<5.0	1,200	0.73 nitrate	Below Detection Limit	22.5	
	11/16/2016	0.28	<0.10	2.7 toluene	<5.0	1,200	Below Detection Limit	Below Detection Limit	24.5	
	3/8/2017	0.25	<0.10	Below Detection Limit	<5.0	1,100	Below Detection Limit	Below Detection Limit	14.0	
	6/1/2017	0.23	<0.10	Below Detection Limit	<5.0	680	Below Detection Limit	99 zinc	20.0	
	9/5/2017	0.31	<0.10	Below Detection Limit	<5.0	1,600	Below Detection Limit	Below Detection Limit	39.0	
	11/20/2017	0.27	<0.10	Below Detection Limit	<5.0	1,300	Below Detection Limit	72 copper	14	
	2/6/2018	0.11 J	0.10 J	Below Detection Limit	<5.0	1,900	Below Detection Limit	160 barium, 42 chromium, 8.6 J cobalt, 30 copper, 9.5 J lead, 76 zinc	13	
	5/15/2018	<0.20	<0.20	Below Detection Limit	<5.0	1,900	nitrate 0.068 J	52 barium	1.8	
	7/25/2018	0.24	<0.20	Below Detection Limit	<5.0	1,600	nitrite 0.015 JB	31 barium, 5.6 J copper, 5.9 J zinc	2.0	
	12/12/2018	0.15 J	<0.20	Below Detection Limit	0.89 J	1,700	Below Detection Limit	52 barium	<2.0	
	2/19/2019	<0.20	<0.20	Below Detection Limit	<5.0	1,900	Below Detection Limit	46 barium, 38 zinc	2.0	
	5/22/2019	<0.20	<0.20	Below Detection Limit	<5.0	1,800	Below Detection Limit	53 barium	<1.5	
	8/28/2019	<0.20	<0.20	Below Detection Limit	<5.0	1,500	Below Detection Limit	4.1 arsenic, 35 barium, 25 zinc	<1.5	
	11/13/2019	013 J	0.22	Below Detection Limit	<5.0	1,700	Below Detection Limit	17 J/5 arsenic, 48 barium, 3.1 J copper	2.8	
	2/5/2020	<0.20	<0.20	Below Detection Limit	<5.0	1,800	Below Detection Limit	13 J/3.3 arsenic, 52 barium, 2.1 J copper, 8.8 J lead, 6.3 J zinc	<1.5	
	5/5/2020	<0.20	<0.20	Below Detection Limit	<5.0	1,300	Below Detection Limit	4.2 arsenic, 37 barium, 1.2 J chromium, 5.5 J copper, 20 zinc	4.1	
	8/25/2020	<0.20	<0.20	Below Detection Limit	<5.0	950	Below Detection Limit	4.8 arsenic, 21 barium, 1.8 J copper, 9.4 J lead	3.9	
	11/17/2020	<0.2	<0.2	Below Detection Limit	<5.0	1,000	Below Detection Limit	4.2 arsenic, 24 barium, 2.2 J copper	1.8	
	3/17/2021	<0.2	<0.2	Below Detection Limit	<5.0	1,300	Below Detection Limit	3.2 arsenic, 26 barium, 5.9 J lead, 14 zinc	4.5	
	6/22/2021	<0.2	<0.2	Below Detection Limit	<5.0	1,400	Below Detection Limit	5.6 arsenic, 31 barium, 1.1 J copper, 4.6 J lead	3.8	
	11/2/2021	<0.2	<0.2	Below Detection Limit	<5.0	1,100	NA	NA	NA	
	3/22/2022	<0.2	<0.2	Below Detection Limit	<5.0	1,600	NA	NA	NA	
	12/6/2023	<0.2	<0.2	Below Detection Limit	<5.0	1,400	NA	NA	NA	

Historical Sampling Results Table
Sentinel Peak Resources- Inglewood Oil Field
Los Angeles, California

Well ID	Date	TPH-DRO	TPH-DRO (w/Silica Gel Filtering)	BTEX/MTBE	Total Recoverable Petroleum Hydrocarbons or Oil and Grease	Total Dissolved Solids (TDS)	Nitrate and Nitrite	Metals	BOD	COMMENTS
		C_{10}-C_{28}	C_{10}-C_{28}							
		(mg/L)	(mg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(μg/L)	(mg/L)	
MW-7	4/2/2010	0.21	<0.10	0.58 toluene	<5.0	1,100	NA	NA	NA	
	6/2/2010	0.29	<0.10	0.86 toluene	<5.0	1,100	NA	NA	NA	
	9/16/2010	0.48	<0.050	18 toluene	<5.0	2,000	6.9 nitrate	3.2 arsenic, 40 barium, 5.7 cobalt, 28 zinc	20.7	
	12/14/2010	0.25	<0.10	11 toluene	<5.0	2,200	6.0 nitrate	45 barium	35.1	
	3/11/2011	0.18	<0.10	6.4 toluene	<5.0	1,400	5.0 nitrate	Below Detection Limit	15.2	
	6/6/2011	0.25	<0.10	Below Detection Limit	<5.0	1,200	7.0 nitrate	Below Detection Limit	22	
	9/19/2011	0.35	<0.10	2.7 toluene	<5.0	2,700	5.3 nitrate	48 barium	32.8	
	11/22/2011	0.29	<0.10	Below Detection Limit	<5.0	2,500	3.8 nitrate	60 barium	25.6	
	2/15/2012	0.29	0.15	Below Detection Limit	<5.0	1,000	5.5 nitrate	26 barium, 2.7 chromium	14.6	
	4/26/2012	0.12	<0.10	Below Detection Limit	<5.0	510	Below Detection Limit	3.0 chromium, 5.7 copper	11.8	
	8/30/2012	0.15	<0.10	Below Detection Limit	<5.0	1,640	7.15 nitrate	35 barium	22.9	
	11/20/2012	0.26	<0.10	Below Detection Limit	<5.0	1,200	5.0 nitrate	3.0 arsenic, 50 barium	12.7	
	2/27/2013	0.16	<0.10	Below Detection Limit	<5.0	1,600	3.7 nitrate	Below Detection Limit	21.5	
	5/13/2013	<0.10	<0.10	Below Detection Limit	<5.0	2,000	6.4 nitrate	Below Detection Limit	37.8	
	8/15/2013	0.32	<0.10	Below Detection Limit	<5.0	2,500	7.1 nitrate	33 barium	14.3	
	11/21/2013	0.3	<0.10	Below Detection Limit	<5.0	2,200	2.3 nitrate	Below Detection Limit	24.9	
	3/13/2014	0.39	<0.10	Below Detection Limit	<5.0	3,200	3.8 nitrate	Below Detection Limit	33.5	
	5/22/2014	0.39	<0.10	Below Detection Limit	<5.0	1,900	7.9 nitrate	Below Detection Limit	35.3	
	11/12/2014	0.32	<0.10	Below Detection Limit	<5.0	2,100	3.1 nitrate	Below Detection Limit	23.9	
	2/26/2015	0.42	<0.10	Below Detection Limit	<5.0	430	5.3 nitrate, 0.83 nitrite	Below Detection Limit	11.7	
	5/18/2015	<0.10	<0.10	Below Detection Limit	<5.0	700	6.2 nitrate	Below Detection Limit	13.9	
	8/18/2015	0.34	<0.10	Below Detection Limit	<5.0	1,400	4.4 nitrate	Below Detection Limit	20.0	
	11/16/2015	0.24	<0.10	Below Detection Limit	<5.0	1,600	7.3 nitrate	16 arsenic	18.7	
	2/16/2016	0.14	<0.10	Below Detection Limit	<5.0	680	3.6 nitrate	Below Detection Limit	12.7	
	5/17/2016	0.27	<0.10	Below Detection Limit	<5.0	1,300	5.3 nitrate	Below Detection Limit	14.0	
	8/25/2016	0.18	<0.10	Below Detection Limit	<5.0	1,000	0.54 nitrate	Below Detection Limit	12.6	
	11/16/2016	0.26	<0.10	4.0 toluene	<5.0	1,400	4.6 nitrate	Below Detection Limit	15.8	
	3/8/2017	0.21	<0.10	Below Detection Limit	<5.0	<200	1.1 nitrate	Below Detection Limit	ND	
	6/1/2017	0.17	<0.10	Below Detection Limit	<5.0	190	0.60 nitrate	13 chromium	18.0	
	9/5/2017	0.12	<0.10	Below Detection Limit	<5.0	610	2.4 nitrate	Below Detection Limit	17.0	
	11/20/2017	0.12	<0.10	Below Detection Limit	<5.0	1,400	5.0 nitrate	78 copper	<5.0	
	2/6/2018	<0.20	<0.20	Below Detection Limit	<5.0	330	4.3 nitrate	98 barium, 38 chromium, 11 J cobalt, 15 copper, 6.1 J lead, 54 zinc	<1.5	
	5/16/2018	<0.20	<0.20	Below Detection Limit	<5.0	1,600	5.8 nitrate; 0.23 J nitrite	36 barium, 1.7 J cobalt	<1.5	
	7/25/2018	<0.20	<0.20	Below Detection Limit	<5.0	1,600	6.1 nitrate; 0.28 JB nitrite	14 J arsenic, 36 barium, 2.1 JB chromium, 2.0 J cobalt, 2.3 J copper	<1.5	
	12/12/2018	<0.20	<0.20	Below Detection Limit	<6.1	290	3.1 nitrate	7.7 J barium, 2.7 J chromium	<1.5	
	2/19/2019	<0.20	<0.20	Below Detection Limit	<5.0	210	1.0 nitrate	9.7 J barium, 1.2 J chromium, 2.2 J cobalt, 43 zinc	3.5	
	5/22/2019	<0.20	<0.20	Below Detection Limit	<5.0	330	1.1 nitrate; 0.015 J nitrite	9.6 J barium, 2.9 J copper	<1.5	
	8/28/2019	<0.20	<0.20	Below Detection Limit	<5.0	580	2.7 nitrate	3.0 arsenic, 9.9 J barium, 1.6 JB copper, 24 zinc	2.0	
	11/15/2019	0.11 J	<0.20	Below Detection Limit	<5.0	1,600	4.1 nitrate, 0.016 J nitrite	6.4 arsenic, 30 barium, 4.9 J copper, 5.9 J lead	<1.5	
	2/5/2020	<0.20	<0.20	Below Detection Limit	<5.0	520	0.59 nitrate	1.3 J arsenic, 16 barium, 2.7 J copper, 3.9 J lead, 6.2 J zinc	<1.5	
	5/5/2020	0.13 J	<0.20	Below Detection Limit	1.1 J	530	1.6 nitrate	1.4 J arsenic, 17 barium, 2.4 J copper, 7.2 J zinc	3.6	
	8/25/2020	<0.20	<0.20	Below Detection Limit	<5.0	920	3.6 nitrate	4.1 arsenic, 20 barium, 3.9 J copper, 17 J lead, 7.4 J zinc	<1.5	
	12/29/2020	<0.20	<0.20	Below Detection Limit	<5.0	1,800	2.4 nitrate, 0.032 J nitrite	21J/8.3 arsenic, 74 barium, 3.4 J copper, 10 J lead	2.3	
	3/17/2021	<0.20	<0.20	Below Detection Limit	<5.0	1,400	5.4 nitrate	3.6 arsenic, 87 barium, 2.1 J chromium, 3.8 J copper, 10 J lead, 20 zinc	1.5	
	6/22/2021	<0.20	<0.20	Below Detection Limit	<5.0	1,600	5.3 nitrate; 0.016 J nitrite	7.6 arsenic, 70 barium, 6.0 J chromium, 4.6 J cobalt, 7.2 J copper, 8.8 J lead, 18 zinc	<1.5	
	11/2/2021	<0.20	<0.20	Below Detection Limit	<5.0	2,000	NA	NA	NA	
	3/22/2022	<0.20	<0.20	Below Detection Limit	<5.0	1,600	NA	NA	NA	
	12/6/2023	<0.20	<0.20	Below Detection Limit	<5.0	1,900	NA	NA	NA	

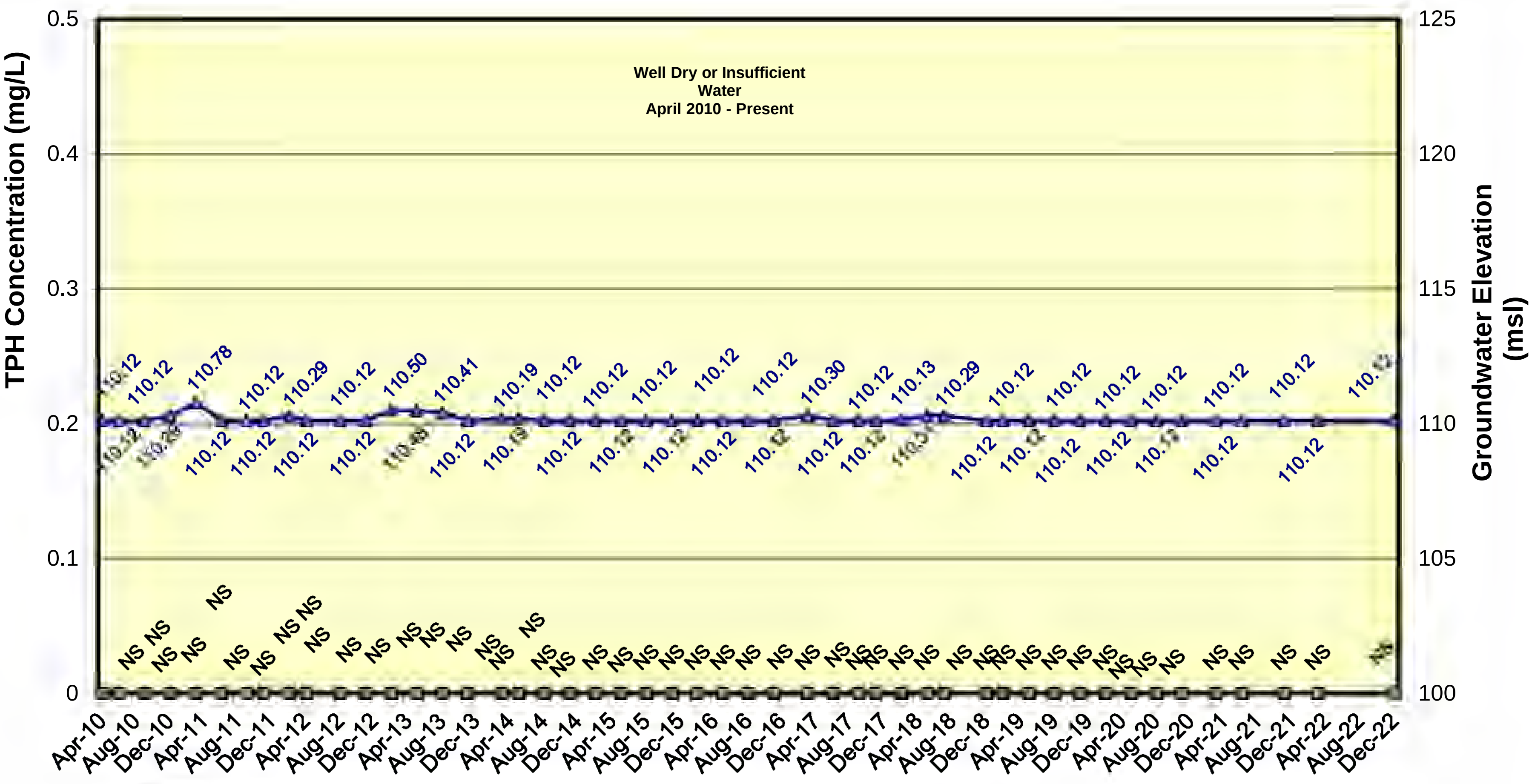
Notes:
<# indicates parameter was not detected above the indicated method reporting limit
J = Concentration above the method detection limit but below the reporting limit
B = Parameter also detected in the associated method blank
µg/L = micrograms per liter.
mg/L= milligrams per liter.
TPH-DRO = Total Petroluem Hydrocarbons - Diesel Range Organics
VOCs = Volatile Organic Compounds
MTBE = Methyl tert-butyl ether
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
BOD = Biochemical Oxygen Demand
NA = Not Analyzed; Starting with November 2021 data, parameters with NA are not required under SPR October 2021 Rev1.
NS = Not Sampled

TPH Concentrations and Groundwater Elevations Monitor Well (MW-3)



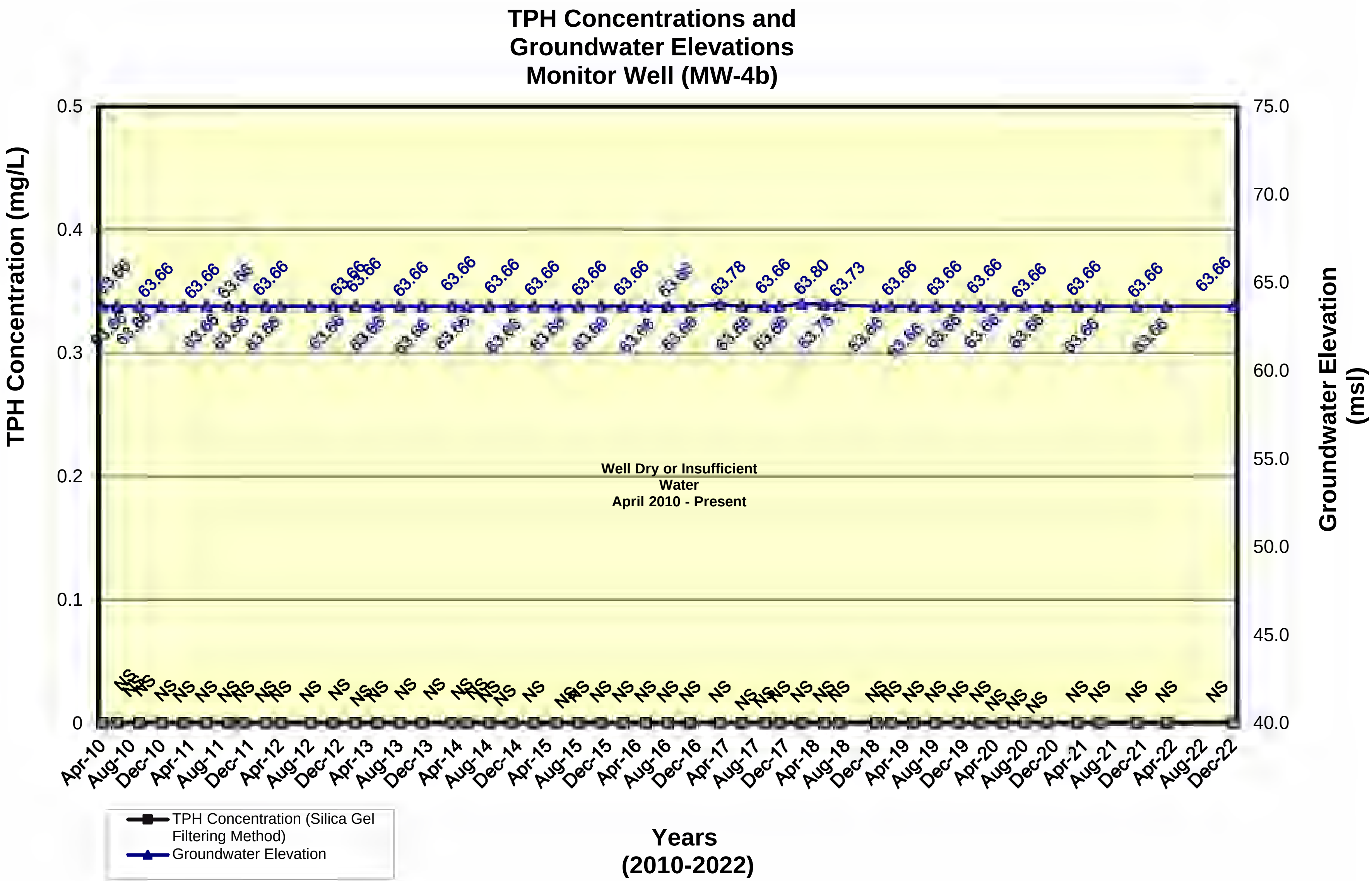
NOTE: If Dry, Well Bottom Elevation = 122.38 ft msl
TPH Concentration with Silica Gel Cleanup Presented in miligrams per liter (mg/L)
NS = No Sample Collected, Well Dry or Insufficient Water

TPH Concentrations and Groundwater Elevations Monitor Well (MW-4a)

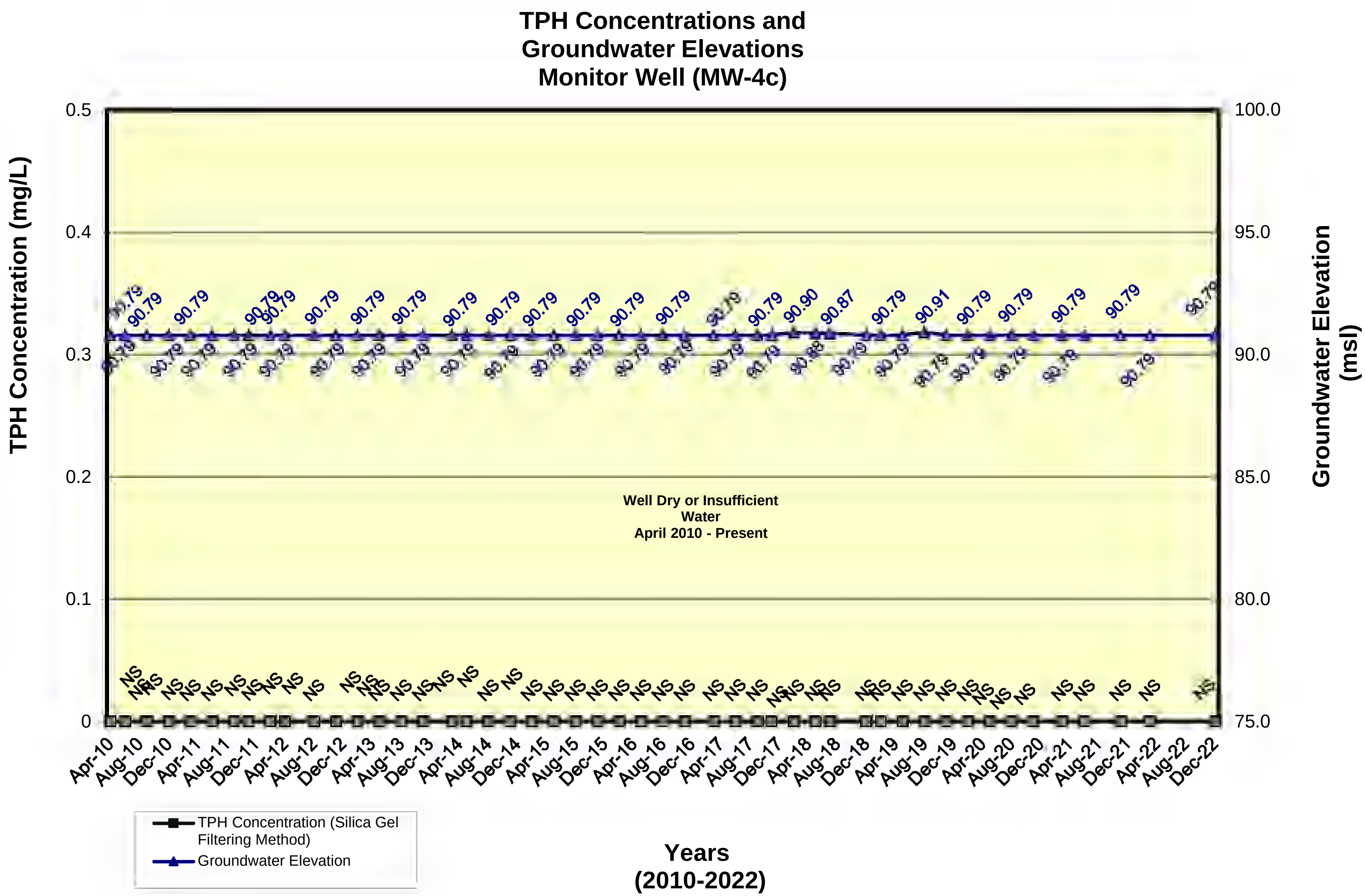


TPH Concentration (Silica Gel Filtering Method)
Groundwater Elevation

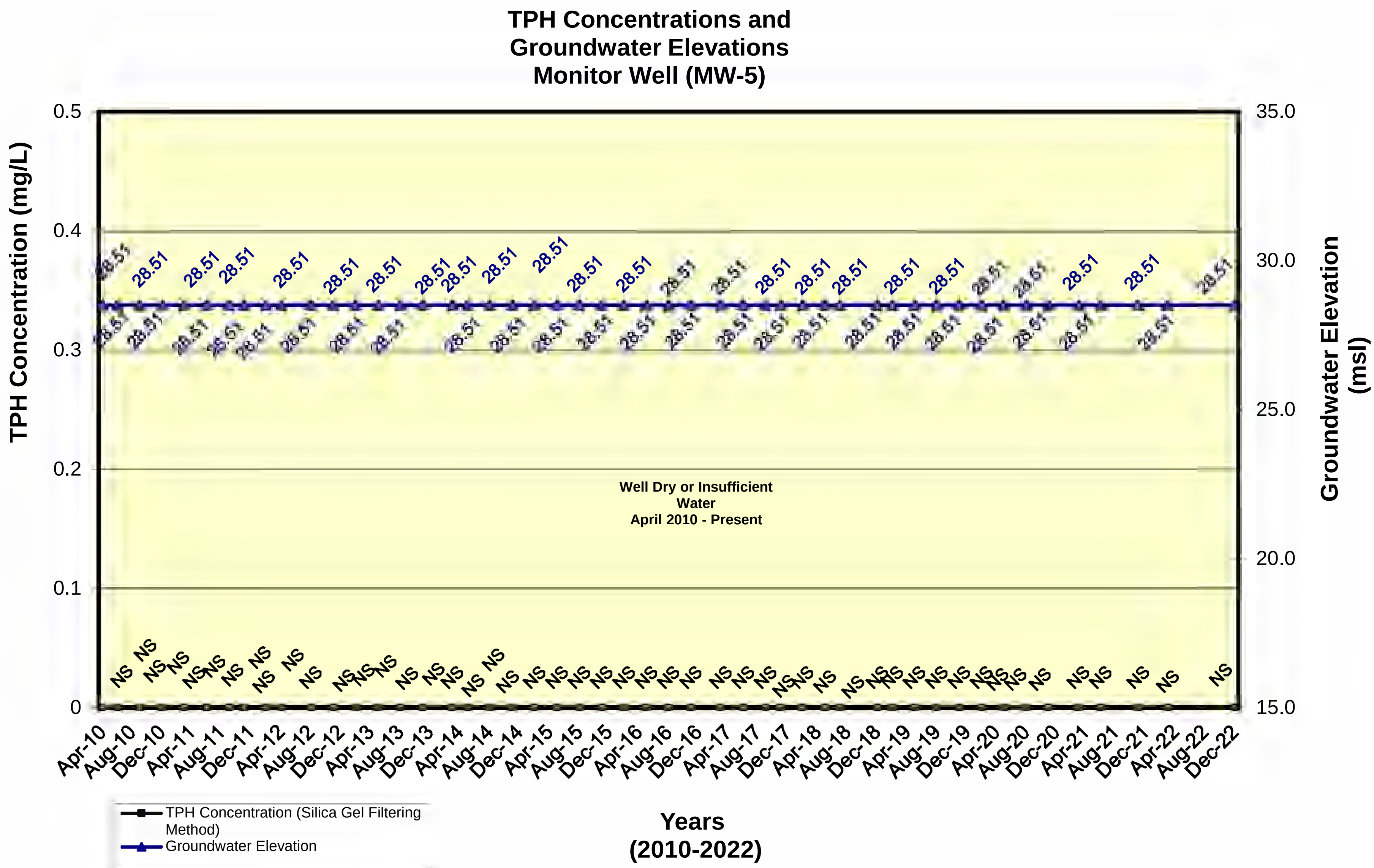
NOTE: If Dry, Well Bottom Elevation = 110.12 ft msl
NS = No TPH Sample Collected, Well Dry or Insufficient Water



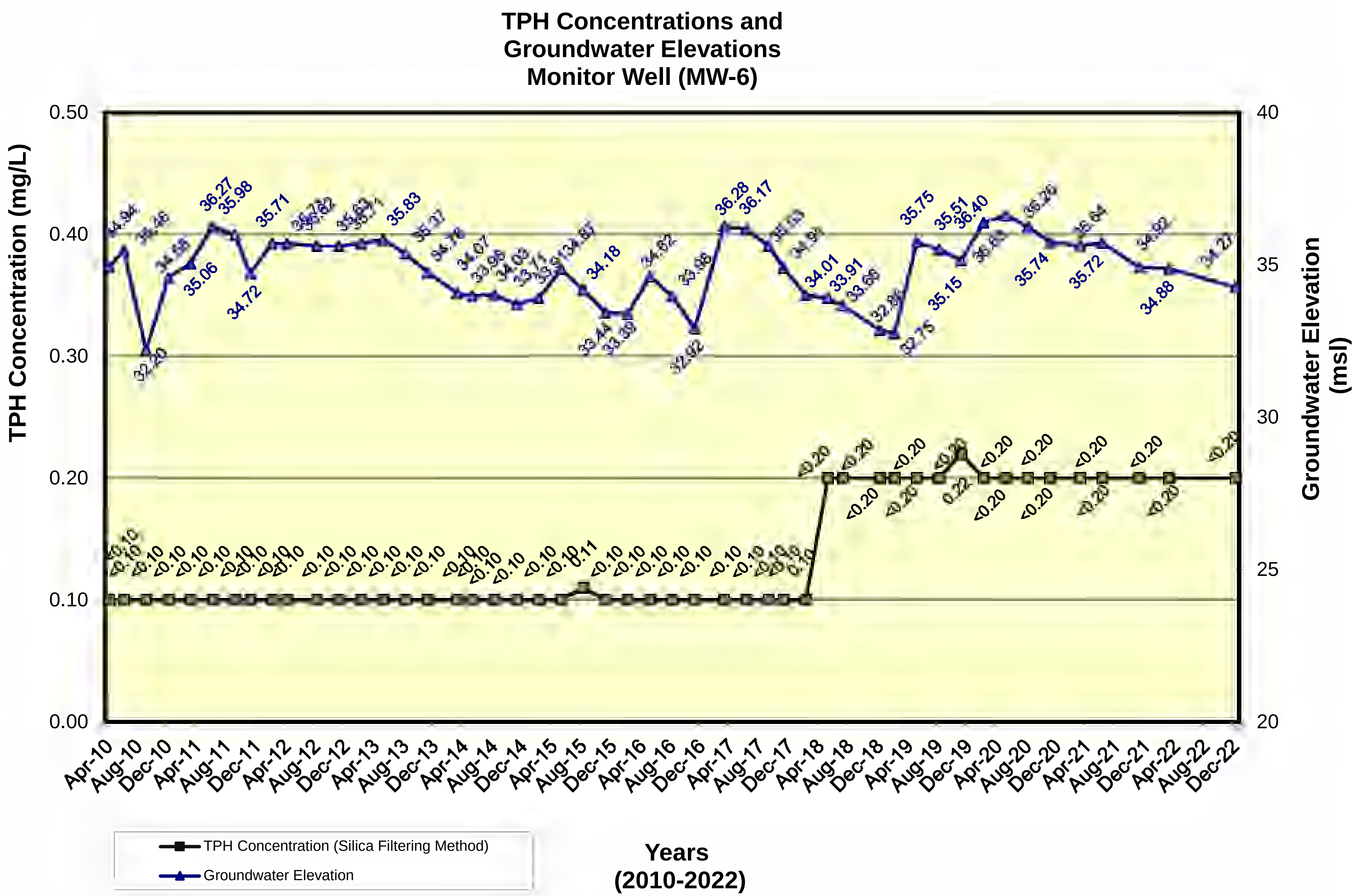
NOTE: If Dry, Well Bottom Elevation = 63.66 ft msl
NS = No TPH Sample Collected, Well Dry or Insufficient Water



NOTE: If Dry, Well Bottom Elevation = 90.79 ft msl
NS = No TPH Sample Collected, Well Dry or Insufficient Water

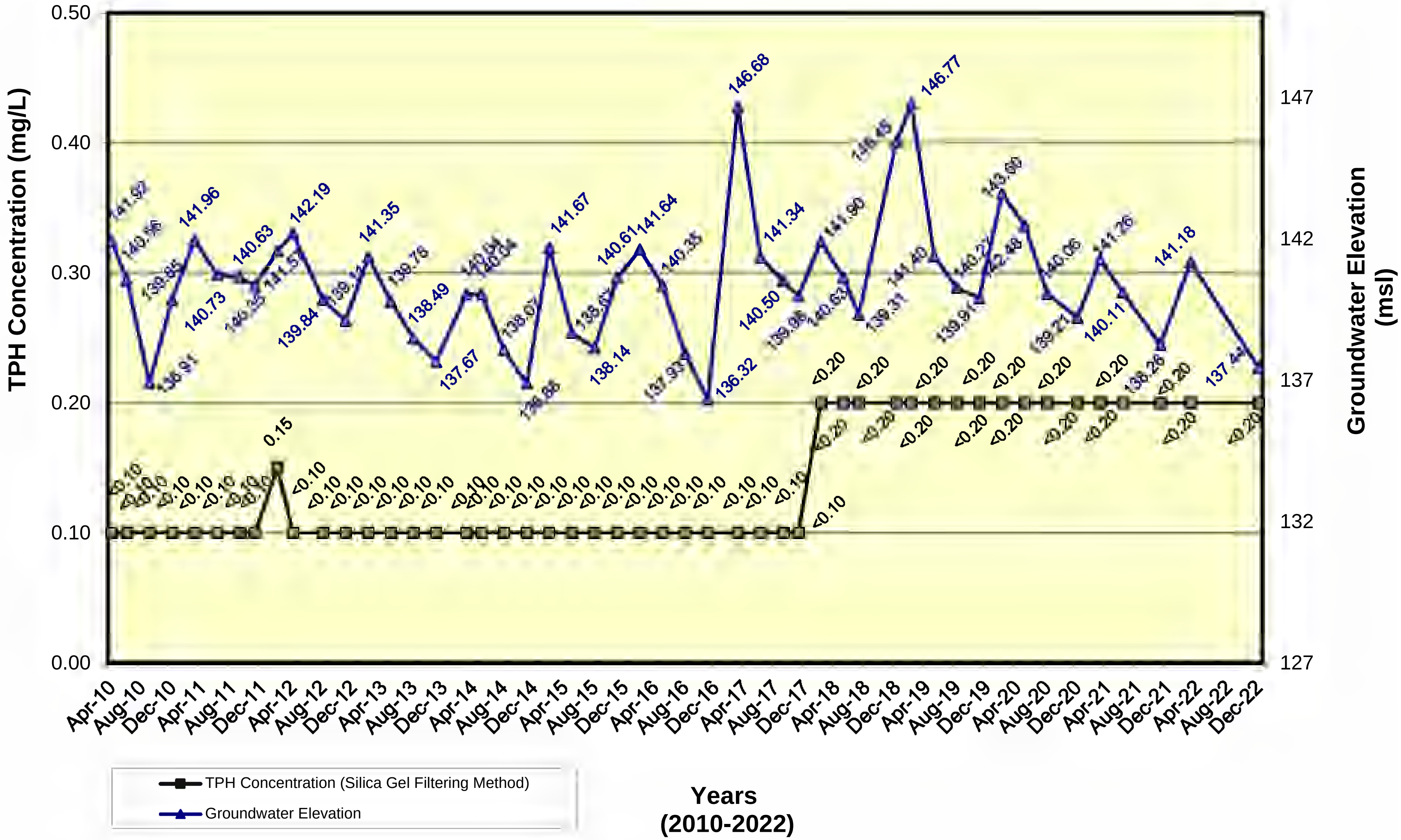


NOTE: If Dry, Well Bottom Elevation = 28.51 ft msl
NS = No TPH Sample Collected, Well Dry or Insufficient Water



NOTE:TPH Concentration with Silica Gel Cleanup Presented in milligrams per liter (mg/L)
If Dry, Well Bottom Elevation = 21.21 ft msl

TPH Concentrations and Groundwater Elevations Monitor Well (MW-7)



NOTE: TPH Reporting Limit (0.1 mg/L April 2010 - Nov 2017; 0.2 mg/L starting Feb 2018
TPH Concentration with Silica Gel Cleanup Presented in milligrams per liter (mg/L)
If Dry, Well Bottom = 127.04 ft msl
Dec 29, 2020 and Mar 17, 2021 elevations are estimated. New reference ele. is needed.