Annual Report on Groundwater Monitoring, Area IV, 2025

Santa Susana Field Laboratory Ventura County, California

Prepared for:
United States Department of Energy

Prepared by:
North Wind Portage, Inc.

February 2026

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Santa Susana Field Laboratory Ventura County, California

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PROFESSIONAL CERTIFICATION

Annual Report on Groundwater Monitoring, Area IV, 2025
January 1 through December 31, 2025
Santa Susana Field Laboratory
Ventura County, California

February 2026

This Annual Groundwater Monitoring Report has been prepared by a team of qualified professionals under the supervision of the senior staff whose seal and signatures appear below.

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EXECUTIVE SUMMARY

This report summarizes the United States Department of Energy (DOE) groundwater monitoring activities conducted during 2025 at Area IV within the Santa Susana Field Laboratory (SSFL), located in Ventura County, California. This report is prepared by DOE to satisfy the California Environmental Protection Agency (EPA) and Department of Toxic Substances Control (DTSC) requirements to report on annual groundwater monitoring at SSFL. The report has been developed by North Wind Portage, Inc., (North Wind) in collaboration and with contributions from CDM Federal Programs Corporation (CDM Smith), and includes water quality data collected from administrative Area IV, Northern Buffer Zone, and off-site wells. For simplicity, data from these areas reported herein are referred to as "Area IV." DOE has gone above and beyond meeting the groundwater requirements outlined in the Site-Wide Groundwater Water Quality Sampling and Analysis Plan (WQSAP) by including additional water quality samples in support of the Groundwater Resource Conservation and Recovery Act Facility Investigations (RFI) Program (CDM Smith 2015a).

Water quality samples were collected in Q1 & Q3 2025 pursuant to the Site-Wide Groundwater Monitoring Program (Haley & Aldrich 2010b) and the RFI Program (CDM Smith 2015a) with water levels measured quarterly. All results are considered sufficient to meet project requirements. The data are included in this report and future results from these wells will be evaluated for trends and extent. This report of the DOE 2025 groundwater monitoring activities includes the following results and findings for Area IV of the SSFL:

- Scheduled 2025 groundwater samples were collected, in accordance with *Site-Wide Water Quality Sampling and Analysis Plan* (Haley & Aldrich 2010), with exceptions identified in this report.
- Groundwater level measurements were collected quarterly, and a groundwater elevation contour map for Q3 2025 was prepared and is presented in this report.
- Well maintenance needs were evaluated.
- The 2025 groundwater monitoring results, in conjunction with prior sampling history, do not indicate any necessary changes to the annual DOE groundwater monitoring program to continue providing effective monitoring of groundwater conditions in Area IV of the SSFL. However, the WQSAP is currently under revision, and the revised WQSAP will be implemented for 2026 sampling activities. The report includes a limited number of recommendations for follow-up sampling where samples could not be collected or where results warrant confirmation to evaluate trends.

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2,3-TCP	1,2,3-trichloropropane
1,2-DCA	1,2-dichloroethane
22 CCR	Title 22 of California Code of Regulations
Boeing	The Boeing Company
CDM Smith	CDM Federal Programs Corporation
cis-1,2-DCE	cis-1,2-dichloroethene
COC	contaminant of concern
DOE	United States Department of Energy
DPH	Department of Public Health
DQO	data quality objective
DRO	diesel-range organics
DTSC	Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
FSDF	Former Sodium Disposal Facility
GRO	gasoline-range organics
GWIM	groundwater interim measure
GWRC	Groundwater Resources Consultants
HMSA	Hazardous Materials Storage Area
IDW	investigation-derived waste
ISCBR	In Situ Chemical and Biological Remediation
IW	injection well
LUFT	leaking underground fuel tank
MCL	maximum contaminant level
MDL	method detection limit
mg/L	milligrams per liter
mrem/yr	millirems per year
MSL	mean sea level
MWH	Montgomery Watson Harza
NASA	National Aeronautics and Space Administration
NDMA	n-nitrosodimethylamine

North Wind	North Wind Portage, Inc.
OCY	Old Conservation Yard
PCE	tetrachloroethene
pCi/L	picocuries per liter
PCP	Post-Closure Permit
PDU	Coal Gasification Process Development Unit
PEW	performance evaluation well
RBSL	risk-based screening level
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RMHF	Radioactive Materials Handling Facility
RI	Remedial Investigation
RWQCB	Regional Water Quality Control Board
SMCL	secondary maximum contaminant level
SSFL	Santa Susana Field Laboratory
SWGW RBSL	site-wide groundwater risk-based screening level
TCE	trichloroethene
TPH	total petroleum hydrocarbons
trans-1,2-DCE	trans-1,2-dichloroethene
VOC	volatile organic compound
WQSAP	Water Quality Sampling and Analysis Plan

Annual Report on Groundwater Monitoring, Area IV, 2025

Santa Susana Field Laboratory Ventura County, California

1. INTRODUCTION

This report summarizes the groundwater monitoring activities conducted during 2025 by the United States Department of Energy (DOE) within Area IV of the Santa Susana Field Laboratory (SSFL) located in Ventura County, California (Figure 1). Historical annual reports prior to 2014 reported groundwater monitoring activities performed for the entirety of SSFL, including areas administered by The Boeing Company (Boeing) and the National Aeronautics and Space Administration (NASA) at administrative Areas I, II, III, IV, and undeveloped land both to the north and south. Beginning in 2014, DOE has been submitting annual reports for wells within Area IV for which it has responsibility under the 2007 Consent Order for Corrective Action (Department of Toxic Substances Control [DTSC] 2007). This report describes groundwater monitoring activities that occurred from January 1, 2025, through December 31, 2025, within administrative Area IV, the Northern Buffer Zone, and off-site wells located to the north and west of Area IV. For simplicity, administrative Area IV, Northern Buffer Zone, and off-site wells associated with Area IV are termed "Area IV" in this report.

This annual report discusses the analytical results from the two quarters of sampling and quarterly gauging and provides additional information on the impacts of the historical rainfall on the groundwater levels within Area IV. This report contains Area IV information relative to DOE activities only and as such has been modified to reflect regulatory compliance requirements for Area IV. There are currently no Post-Closure Permit (PCP) Regulated Unit Monitoring Program requirements or leaking underground fuel tank (LUFT) requirements for Area IV.

1.1 Site Description

The SSFL is located approximately 29 miles northwest of downtown Los Angeles, California, in the southeast corner of Ventura County (Figure 1). The SSFL occupies approximately 2,850 acres of hilly terrain, with approximately 1,100 feet of topographic relief near the crest of the Simi Hills. Figure 1 shows the geographic location and property boundaries of the site, as well as surrounding areas. The site is divided into four administrative areas (Areas I, II, III, and IV) and includes undeveloped land to the north and south. Most of Area I and all of Areas III and IV are owned by Boeing. The United States Environmental Protection Agency (EPA) Identification Number for Areas I and III is CAD093365435. Area II is owned by the federal government and administered by NASA along with a portion of Area I. The EPA Identification Number for Area II is CA1800090010. Boeing owns the entirety of Area IV. The EPA Identification Numbers for Area IV are CAD000629972 and CA389009001. Ninety acres of Area IV were leased to the DOE, which also owns facilities in Area IV. The northern and southern undeveloped lands of SSFL were not used for industrial activities and are owned by Boeing.

1.2 Regulatory Background

Prior to 2014, groundwater sampling activities for Area IV were reported along with results from Areas I, II, and III. As a result, previous annual reports were intended to fulfill the requirements of multiple regulatory programs being implemented at SSFL. These include requirements addressed in the PCP

monitoring programs (Regulated Unit Programs) for Areas I, II, and III approved by the California EPA DTSC, the Site-Wide Groundwater Monitoring Program approved by DTSC, and LUFT monitoring program overseen by DTSC. There are no Regulated Unit or LUFT requirements for Area IV and thus they are not addressed in this document.

The content of this report complies with the December 2010 Site-Wide WQSAP (Haley & Aldrich 2010b). The Site-Wide Groundwater Monitoring Program is prescribed by the Site-Wide WQSAP, which is under revision and will be implemented in 2026.

1.3 Objectives

Area IV groundwater compliance requirements are presented in the Site-Wide Groundwater Monitoring Program. The objective of this report is to document compliance with that program. The scope of this report includes the following:

- Executive summary of significant findings;
- Summary of monitoring programs and activities conducted during the calendar year;
- Summary of maintenance and inspections of monitored wells, if any;
- Summary of modifications made to monitoring equipment during the calendar year, if any;
- Summary of deviations from the Site-Wide WQSAP, if any;
- Discussion of significant events that may influence the occurrence and movement of groundwater;
- Summary of results of laboratory analyses of water samples;
- Summary tables indicating monitoring parameter results that lie outside of historical range for each monitoring location;
- Summary of constituent concentrations at wells that exceed SSFL groundwater screening reference values (SSFL screening criteria);
- Summary of outstanding issues and/or follow-up work;
- Contaminant plume maps with isoconcentration contours for specific regulated units or areas;
- Water level data, hydrographs, and groundwater elevation contour maps;
- Contaminant concentration versus time plots and a discussion of evident trends; and
- Results of quality assurance/quality control sampling and analysis and assessment of data quality, including accuracy, precision, and completeness with associated laboratory and data validation reports.

1.4 Report Organization

The remainder of this report is organized as follows:

- Section 2 provides a description of the site geology and hydrogeology;
- Section 3 provides a summary of the activities performed during this reporting period;
- Section 4 presents the results of field work and analytical testing;
- Section 5 presents planned activities for 2026; and
- Section 6 provides references.

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2. SITE GEOLOGY AND HYDROGEOLOGY

2.1 Geology

The SSFL is in the Western Transverse Ranges physiographic province of southern California. The province's geology and physiography reflect at least 70 million years of geologic history. The sedimentary rocks in the portion encompassing SSFL range from coarse-grained conglomerates and sandstones to fine-grained siltstones and shale. The geologic history of the Western Transverse Ranges is complex and involves several distinct episodes of structural deformation involving tectonic extension, rotation, compression, and shearing. Near SSFL, this has caused the Western Transverse Ranges to rotate more than 90 degrees clockwise. This complex geologic history is reflected in multiple fold, fault, and fracture orientations in the vicinity of SSFL.

The Chatsworth Formation underlies much of the province and is exposed across most of SSFL (Figure 2). It is a turbidic sandstone with interbedded shale, siltstone, and conglomerate approximately 6,000 feet thick and more than 65 million years old. As a result of geologic folding, the Chatsworth Formation dips moderately (typically 25 to 35 degrees) to the northwest at SSFL, along the south limb of the Simi Valley syncline. Detailed geologic mapping in the site vicinity was performed to augment published geologic maps, resulting in the subdivision of the Chatsworth Formation into upper and lower units (Montgomery Watson Harza [MWH] 2009). The lower formation is exposed in southeastern SSFL and dips northwest beneath the remainder of the site. The upper Chatsworth Formation is exposed across much of the remainder of the site and has been subdivided further into stratigraphic packages consisting of coarse- and fine-grained members. Numerous steeply dipping to near-vertical faults offset this stratigraphy. Fault gouge and fracturing, ancillary to faults, are observed at some locations.

Unconsolidated deposits at SSFL include alluvium, artificial fill, and thin soils over the Chatsworth Formation (bedrock). The alluvium generally consists of silty sand and occurs in topographic lows and along ephemeral drainages. Areas with 5 to 30 feet of alluvium cover more than 300 acres of SSFL, or about 11 percent of the site.

2.2 Hydrogeology

Groundwater occurs at SSFL in alluvium and weathered and unweathered bedrock (Montgomery Watson 2000; MWH 2009). First-encountered groundwater may be observed in any of these media under water table conditions. For regulatory purposes, near-surface groundwater is defined to occur within the site's unconsolidated deposits (e.g., alluvium) and shallow weathered bedrock, whereas deep groundwater, referred to as "Chatsworth Formation groundwater," occurs in the unweathered bedrock. The near-surface groundwater may be perched or vertically continuous with deeper groundwater.

The boundaries of the mountain groundwater system encompassing SSFL include where the Simi Hills meet the floor of the Simi and San Fernando valleys, and where groundwater tends to discharge to seeps and phreatophytes along several surrounding canyons. The base of the active groundwater flow system occurs at the boundary between fresh and connate groundwater, assumed to occur at approximately sea level. The upper boundary of the mountain groundwater flow system is the regional water table and localized perched water tables. Hydrogeologic boundaries internal to the groundwater flow system include areas of groundwater discharge to seeps and phreatophytes, pumped wells, and various boundary effects along faults and geologic contacts.

Portions of the Chatsworth Formation comprise locally transmissive aquifer units. These units generally consist of the fractured sandstone members of the upper Chatsworth Formation, many of which are

several hundred feet thick. Separating the major sandstone units are a series of relatively thin shale and siltstone members that typically behave as aquitards.

The arrangement and geometry of the hydrogeologic units are controlled by geologic contacts, folding, and faulting. Faults truncate permeable zones and fractures, juxtapose different units and fold orientations, and form low-permeability boundaries and zones of enhanced fracturing. Together, these structures result in a complex three-dimensional distribution of hydrogeologic units and anisotropic permeability that influence directions and rates of groundwater flow. Major faults subdivide SSFL into several large blocks, which are further subdivided by shale beds.

The SSFL water table is a subdued reflection of the topography, which, relative to the surrounding valleys, presents as a large groundwater mound that is maintained by rainfall recharge. Distinct differences in groundwater head are observed across fine-grained units and faults that impede groundwater flow. Groundwater moves from areas of recharge toward pumping wells and downward and outward toward hill slope seeps and the surrounding lowlands. The direction of vertical flow is downward at most site locations. Insight into the pattern of SSFL groundwater flow has been provided through the development and use of a representative three-dimensional groundwater flow model (CDM Smith 2018).

3. REPORTING PERIOD ACTIVITIES

The reporting period for this report is January 1, 2025, to December 31, 2025. Groundwater samples were collected as part of the Area IV Site-Wide Groundwater Monitoring Program and to support the DOE Groundwater RFI Program. All data collection activities reported herein were performed by North Wind Portage, Inc. (North Wind), the prime contractor, and CDM Federal Programs Corporation (CDM Smith), a subcontractor to North Wind under DOE contract 89303324DEM000108, Task Order 89303324FEM400407. North Wind completed groundwater monitoring and sampling activities and CDM Smith completed groundwater investigation and remediation activities during the reporting period.

The Site-Wide Groundwater Monitoring Program – December 2010 Site-Wide WQSAP (Haley & Aldrich 2010b) was implemented to fulfill the groundwater monitoring program specific to Area IV at SSFL, with exceptions to the WQSAP described in Section 3.5. The following activities stipulated by the Site-Wide WQSAP were conducted during the reporting period:

- Measurement of groundwater levels at all accessible program wells.
- Collection and submission of groundwater samples from select wells for laboratory analysis.
- Data validation, data analysis, and database management.

The activities of Groundwater RFI (CDM Smith 2015a) sampling conducted during 2025 consisted of:

- Collecting water levels and groundwater samples from monitoring wells not sampled as part of the Site-Wide Groundwater Monitoring Program.
- Closing the remaining groundwater data gaps for existing wells through additional chemical analyses from those stated in the Site-Wide WQSAP.
- Sampling to support groundwater investigations and interim measures, as described in Section 3.1.

Table 1 lists the wells present within Area IV during the sampling and identifies those wells that were sampled under the WQSAP or sampled to address groundwater RFI data needs.

Well, piezometer, and seep locations are shown on Figure 3. Figure 4 identifies the wells that were sampled in Q1 2025 and Q3 2025 with discussions included in this report. Well construction details are provided in Appendix A.

3.1 DOE Groundwater Investigation and Remediation Activities

3.1.1 Groundwater Elevation Monitoring

Water level measurements were collected monthly at the Former Sodium Disposal Facility (FSDF) and Hazardous Materials Storage Area (HMSA). The measurements are used to identify the effects of precipitation recharging near-surface groundwater and the decline in water levels following precipitation events.

Annual rainfall data are presented in Appendix B.

3.1.2 New Well Installations

Six new injection performance evaluation wells (PEWs) were installed in two areas (around PZ-163 and PZ-108) at the former HMSA within Area IV in September 2025. In addition, six cased hole injection

wells (IWs) with only polyvinyl chloride (PVC) blank casings were installed in the same areas at HMSA for injections for the In Situ Chemical and Biological Remediation (ISCBR) pilot test (CDM Smith 2023). Pilot testing is being performed to evaluate the potential for abiotic and biotic reduction of volatile organic compounds (VOCs) at the former HMSA. The cased hole IWs were perforated to allow injection of amendment during the pilot test via permeability enhancement. A seventh IW was installed during injections without casing below 15 feet to facilitate additional amendment injection and evaluate the impact of casing on the amendment injection in November 2025. Following injection, six confirmation borings were drilled to evaluate amendment distribution in early December 2025. Two of the confirmation borings were converted to PEWs (one at each cluster), while the remaining four boreholes were abandoned. Details of the PEWs and IWs are summarized in the following table. Additional information on the injections, PEWs, and IWs will be provided in a future HMSA Treatability Study Evaluation Report, anticipated for submittal in late 2026 or early 2027.

PEW and IW Construction Details.

Well/Hole ID	Type	Total Depth Drilled (ft/in. bgs)	Blank Casing Length (ft bgs)	Screen Length (ft bgs)	Borehole Diameter (in.)	Casing Diameter (in.)
PZ-163 Area						
IW1-163	Cased hole	57.2	0–57	---	8	4
IW2-163		58.2	0–58	---	8	4
IW3-163		58	0–58	---	8	4
PEW1-163	Monitoring Well	50	0–20	20–50	6	2
PEW2-163		51.3	0–20	20–50	6	2
PEW3-163		50.6	0–20	20–50	6	2
PEW4-163		50	0-20	20-50	6	2
PZ-108 Area						
IW1-108	Cased hole	58.2	0–58	---	8	4
IW2-108		58	0–58	---	8	4
IW3-108		58	0–58	---	8	4
IW4-108	Open borehole	50.7	0–15	---	12 (0–15 ft) 3.98 (15–50.7 ft)	5 (0–15 ft) Open borehole (15–50.7 ft)
PEW1-108	Monitoring Well	51	0–20	20–50	6	2
PEW2-108		50	0–20	20–50	6	2
PEW3-108		51.5	0–20	20–50	6	2
PEW4-108		50	0–20	20-50	6	2

3.1.3 FSDF Groundwater Interim Action

The FSDF groundwater interim measure (GWIM) continued in 2025. Seven wells (C-21, C 24, C-25, C-28, C-29, RS-18, and RS-54) exhibiting elevated VOC groundwater concentrations were pumped. Four of the wells (C-21, C-24, C-29, and RS-54) were pumped automatically using the solar-powered automated extraction system, while the other three wells were pumped manually when water was available.

Near-Surface Water Extraction – A total of 12,400 gallons of near-surface water was extracted in 2025 using manual and automated pumping. The largest volume of water was extracted from C-24 (7,023 gallons), followed by RS-54 (2,924 gallons), C-21 (1,492 gallons), C-29 (629 gallons), RS-18

(171 gallons), C-28 (129 gallons), and C-25 (32 gallons). The differences in extraction volumes among the wells reflect the individual water productivity of each well.

Summary of Near-surface Groundwater Extracted from Each Well by Quarter in 2025 and Since Inception.

Well	Q1 Total Volume Extracted (gallons)	Q2 Total Volume Extracted (gallons)	Q3 Total Volume Extracted (gallons)	Q4 Total Volume Extracted (gallons)	2025 Total Volume Extracted (gallons)	ITD Total Volume Extracted (gallons)
C-21	720	523	112	137	1,492	16,287
C-24	3,052	2,818	744	409	7,023	34,192
C-25	22	9	0	1	32	583
C-28	45	31	38	15	129	297
C-29	94	471	48	16	629	1,001
RS-18	96	49	0	26	171	2,567
RS-54	906	816	661	541	2,924	14,610
Totals	**4,935**	**4,718**	**1,603**	**1,145**	**12,400**	**69,537**

ITD = inception to date

Investigation-Derived Waste – In 2025, water generated from GWIM pumping and monitoring well purging was stored in a 5,000-gallon water storage tank at the FSDF. Groundwater investigation-derived waste (IDW) stored at the FSDF was profiled and disposed of as non-hazardous waste by American Integrated Services, Inc. (Star Resources). This water was removed from the site four times (once each in February, April, July, and September). IDW management will be documented in the appropriate activities reports.

3.1.4 Other Groundwater Sampling Activities

CDM Smith collected samples from various locations in Area IV for specific data quality objectives (DQOs) during 2025. Each sampling activity is summarized in the following paragraphs.

FSDF GWIM Monitoring Data – Water samples were collected each quarter in 2025 to monitor the performance of the FSDF GWIM. Water samples were collected each quarter from each of the seven wells in the GWIM extraction network and analyzed for VOCs and 1,4-dioxane. In addition, during Q1 2025, an additional round of water samples was collected from the seven wells in the GWIM extraction network plus five nearby coreholes (C-20, C-22, C-26, C-27, and C-30). These samples were analyzed for total and dissolved metals, total and dissolved mercury, total petroleum hydrocarbons, VOCs, and 1,4-dioxane. Near-surface well RS-18 was not sampled as part of the GWIM monitoring because it was dry in January and February. However, North Wind sampled RS-18 as part of the Q1 2025 WQSAP sampling program in March. Near-surface well RS-54 was not sampled in Q2 2025 because it was reported as dry by the automated system. The results of the Q1 sampling event are provided in the report *Former Sodium Disposal Facility Groundwater Interim Measure Status Report – First Quarter 2025* (CDM Smith 2025a), the results of the Q2 sampling event are provided in the report *Former Sodium Disposal Facility Groundwater Interim Measure Status Report – Second Quarter 2025* (CDM Smith 2025b), the results of the Q3 sampling event are provided in the report *Former Sodium Disposal Facility Groundwater Interim Measure Status Report – Third Quarter 2025* (CDM Smith 2025c), and the results of the Q4 sampling event will be provided in the future report *Former Sodium Disposal Facility Groundwater Interim Measure Status Report – 2025 Annual Report*, anticipated for submittal in March 2026.

Per- and Polyfluoroalkyl Substances (PFAS) Groundwater Sampling – In preparation for PFAS sampling in second quarter (Q2) 2025, the following wells were pre-purged by removing one well volume of water from each well in March 2025: DD-142, DD-143, DS-44, PZ-005, PZ-103, PZ-104, PZ-108, PZ-109, RD-07, RD-14, RD-34A, RD-65, RD-90, RD-98, RS-18, and RS-28. Pre-purging was not completed at DD-141 and PZ-124 because of restrictions from the biological opinion conservation measures and lack of water, respectively. PFAS pre-purging was completed at RD-50 and RD-64 in Q2 2025 on April 1, followed by PFAS sampling later in April.

The PFAS confirmation sampling event began on August 18, 2025, and was completed on August 21, 2025. Ten wells (DD-142, DS-44, PZ-103, PZ-108, PZ-109, RD-14, RD-34A, RD-90, RD-98, and RS-28) were sampled during this event.

Seep Sampling – From April 14 to April 17, 2025, seep wells SP-T02A, SP-T02B, SP-T02C, SP-T02D, SP-19A, SP-19B, SP-424A, SP-424B, SP-424C, SP-900B, and SP-900C were sampled (Q2 2025). Samples were analyzed for VOCs, 1,4-dioxane, metals and mercury (total and dissolved), perchlorate, tritium, and gross alpha/gross beta. The results of the sampling event are provided in the report *2025 Sampling Results for Near-Surface Seep Monitoring Wells* (CDM Smith 2025d), submitted to DOE in October 2025.

HMSA Pilot Test Baseline Groundwater Sampling – As part of the ISCBR pilot test, baseline groundwater sampling was completed at 16 monitoring wells at the HMSA. Samples were analyzed for VOCs, nitrate/nitrite, boron, total dissolved solids, ferrous iron, total iron, sulfate and chloride, methane/ethene/ethane/acetylene, total organic carbon, volatile fatty acids, alkalinity, *Dehalococcoides* species pluralis (spp.) bacterial count, and bacteria enzymes. The purpose of the sampling was to establish baseline conditions before amendment injection and to satisfy the requirements of the Waste Discharge Requirements permit. Approximately 7,500 gallons of aqueous IDW (purge, development, and jetting water) were sent offsite for disposal as part of the pilot study. Results will be provided in a future HMSA Treatability Study Evaluation Report, anticipated for submittal in late 2026 or early 2027.

3.2 Modifications to Well Network and Equipment

Wells and piezometers at Area IV were inspected during Q1 and Q3 2025. Well maintenance needs were noted and will either be completed or are pending approval of recommended actions. At well RD-54C, the pump installed in the well was malfunctioning. The pump was unable to be extracted due to significant risk of the pump becoming stuck during retrieval. The pump was left in the well and will need to be removed prior to any future sampling at this well. Table 2 shows that there were no other new well maintenance, equipment modifications, well construction, or well development activities performed on Area IV wells and piezometers during the reporting period.

3.3 Water Level Gauging

Area IV static water levels were gauged at accessible program wells. Depth to water was measured from the top of each well casing. Conditions of the well (e.g., loose caps, damaged casing) were recorded in field logs. Wells were gauged using an electronic water-level meter. Portions of the cable and meter or probe that were in contact with groundwater were decontaminated before use at each well. Water levels were gauged in the first, second, third, and fourth quarters of 2025 and are summarized in Table 3.

3.4 Groundwater Sampling and Analysis

Area IV monitoring wells are scheduled to be sampled annually in accordance with the Site-Wide WQSAP. DOE is responsible for 21 wells in the Area IV Site-Wide Groundwater Monitoring Sampling Program. In Q1 2025, 15 Site-wide wells were scheduled to be sampled. Wells PZ-097 and PZ-124 were scheduled to be sampled but were dry. Thus, a total of 13 Site-wide Program wells were sampled. An additional 68 wells were subject to groundwater sampling under the RFI Program, and 51 were selected to be sampled during this reporting period. Of those 51 wells, six were dry (PZ-98, PZ-100, PZ-101, PZ-102, RS-16, and RS-25). Thus, a total of 45 RFI wells were sampled during Q1 2025.

In Q3 2025, nine Site-wide wells were scheduled to be sampled. Of those nine wells, three (PZ-097, PZ-124, and RS-18) were dry. Thus, a total of six Site-wide Program wells were sampled. An additional 70 wells were subject to groundwater sampling under the RFI Program, and 39 were selected to be sampled during this reporting period. Of those 39 wells, nine were dry (C-31, C-32, PZ-098, PZ-100, PZ-101, PZ-102, RS-16, RS-25, and RS-27). In addition, the pump installed in RD-54C was not working properly, and the well could not be sampled. Thus, a total of 29 RFI wells were sampled during Q3 2025.

Four clusters of groundwater seep probes are monitored by DOE. One cluster is in the Northern Buffer Zone and the other three are on Brandeis property north of SSFL Area IV. Seeps were sampled during Q2 2025 as described in Section 3.1.4 (Table 1). The locations of all wells, piezometers, and seeps are presented on Figure 3. The Site-Wide Groundwater Monitoring Program wells sampled in Q1 2025 and Q3 2025 are presented in Table 1 and shown on Figure 4. Figure 4 also shows the wells that could not be sampled. Wells that could not be sampled in Q1 2025 and Q3 2025 and the associated reasons are discussed in Table 4. Groundwater field parameters collected during purging, prior to sample collection, are presented in Table 5. Tables 6 and 7 present the samples analyzed and analytical methods, respectively.

3.5 Deviations from Water Quality Sampling and Analysis Plans

Exceptions to the Site-Wide WQSAP (Haley & Aldrich 2010b) are presented in Table 4. Stabilization readings for some wells were collected at intervals greater than 5 minutes based on giving enough time to exchange water in the flow-through cell due to the flow rate. Table 4 also includes wells that could not be sampled in Q1 2025 and Q3 2025.

In Q1 2025, diesel-range organics (DRO) and VOCs were inadvertently not analyzed for monitoring well DS-48. These analyses were performed during Q3 2025.

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4. MONITORING RESULTS

This section provides a review of Area IV 2025 groundwater levels, and groundwater quality results and trends. Historical data were summarized in previous reports by:

- Groundwater Resources Consultants (GWRC 2000);
- Haley & Aldrich (2001 through 2009; 2010a);
- MWH (2011a, 2011b, 2012, 2013, 2014);
- CDM Smith (2015b, 2016a, 2016b, 2016c, 2018, 2022); and
- North Wind (2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a).

Groundwater screening reference values used to evaluate results are presented in Table 8. First-time detections of analytes and new historical maximum results are presented in Table 9. The purpose of Table 9 is to help identify changes from established trends to support decision-making processes.

4.1 Groundwater Elevations and Flow Conditions

Groundwater elevations measured in SSFL Chatsworth Formation monitoring wells during Q1 2025 ranged from a low of approximately 1,315 feet above mean sea level (MSL) at well RD-59A to a high of approximately 1,810 feet above MSL at well RD-17 (Table 3, Figure 5). The shallow perched zone elevations ranged from a low of 1,755 feet above MSL at DS-46 to a high of 1,805 feet above MSL at DS-45.

Groundwater elevations measured in SSFL Chatsworth Formation monitoring wells during Q3 2025 ranged from a low of approximately 1,315 feet above MSL at well RD-59A to a high of approximately 1,807 feet above MSL at well RD-17 (Table 3, Figure 5). The shallow perched zone elevations ranged from a low of 1,756 feet above MSL at DS-46 to a high of 1,803 feet above MSL at DS-45.

In a quarter-over-quarter comparison, static water level measurements in Q4 2024, Q1 2025, Q2 2025, Q3 2025, and Q4 2025 show a generally consistent decrease in water levels from Q4 2024 to Q1 2025, Q2 2025 to Q3 2025, and Q3 2025 to Q4 2025, with some exceptions. From Q1 2025 to Q2 2025, water levels decreased an average of 0.12 ft. However, 30 wells had increased water levels, while 25 wells had decreased water levels. Due to the magnitude of the decreased water levels, however, the average was an overall decrease in water levels. The difference between static water levels was calculated by well for each time interval. The average increase or decrease and maximum increase and maximum decrease of static water levels by time interval are presented in the text box below.

Time Interval	Average Increase / (Decrease)	Maximum Increase	Maximum (Decrease)
Q4 2024 to Q1 2025	(1.58) ft	5.46 ft	(9.00) ft
Q1 2025 to Q2 2025	(0.12) ft	2.44 ft	(6.19) ft
Q2 2025 to Q3 2025	(1.60) ft	1.04 ft	(9.30) ft
Q3 2025 to Q4 2025	(1.07) ft	7.08 ft	(7.39) ft

As noted in the data above, even with the average decreases in water levels from quarter to quarter, there were wells where the static water levels increased, particularly from Q1 2025 to Q2 2025. The range of static water level changes across the site are indicative of the various types of recharge mechanisms and geologic conditions present, including topographic (surface terrain), stratigraphic (bedding, orientation and grain size), and structural (faults, fractures, and lineaments), as discussed in Section 2, Site Geology and Hydrogeology. Hydrographs for selected wells are presented in Appendix C.

Figure 5 presents contours of first-encountered, non-perched groundwater elevations, as determined from water levels measured during Q3 2025. Additional information that helped constrain the contouring included topography, the approximate elevations of identified seeps, historical water level data for wells and piezometers not gauged during 2025, and the understanding that groundwater level discontinuities coincide with certain fault segments and other geologic structures. In the case of well clusters, water levels from the shallowest wells were used. The data represent water levels primarily within the Chatsworth Formation but include levels in younger deposits where the zone of saturation is continuous with the underlying formations.

The groundwater elevation contour maps are provided to satisfy, in part, the requirements of Title 22 of California Code of Regulations (22 CCR), Section 66264.97, for determining groundwater flow rates and directions. A groundwater elevation contour map can be used in simple hydrogeologic settings to depict variations in the elevation of the water table surface, which in turn can be used to interpret apparent relative directions of groundwater flow. However, the groundwater elevation contours depicted in Figure 5 are not used to infer groundwater flow directions or rates of groundwater movement due to the hydrogeologic complexities at SSFL, as described in Section 2.2. Mountain-scale estimates of groundwater flow rates and three-dimensional groundwater flow directions from areas within SSFL were made and are presented in the Draft Site-Wide Groundwater Remedial Investigation (RI) Report (MWH 2009). While DOE acknowledges the significant effort that has been spent calibrating the mountain-scale model, DOE believes that the model does not characterize the flow paths in Area IV with sufficient accuracy to make important investigation and remediation decisions. As part of the RFI Program, local-scale flow and transport modeling was performed for DOE by Dr. Scott James of Baylor University and Dr. Bill Arnold to reflect Area IV groundwater conditions. The results of the model revisions are reported in the Draft RCRA Facility Groundwater RI Report (CDM Smith 2018).

4.2 Groundwater Quality

Laboratory analytical results for Q1 2025 and Q3 2025 groundwater samples are tabulated in Tables 10 and 11. Constituents detected for the first time in groundwater sampled from individual locations are presented in Table 9. The purpose of Table 9 is to help identify changes from established trends to support decision-making processes. Aside from these exceptions listed in Table 9, the analytical results were within historical ranges (GWRC 2000; Haley & Aldrich 2001 through 2009 and 2010b; MWH 2003, 2011a, 2011b, 2012, 2013, 2014), as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016c; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a). Time series plots of analytical data for select wells and analytes are provided in Appendix D.

Groundwater chemical concentration data from the Q1 2025 and Q3 2025 reporting periods are presented on chemical extent maps illustrating areas of impacted groundwater for 12 chemicals on Figures 6 through 17. These chemicals were selected for mapping because they are contaminants of concern (COCs) in the Site-Wide Groundwater Monitoring Program and were selected for presentation on chemical extent maps in the Groundwater RI Report (MWH 2009).

4.2.1 Quality Assurance and Quality Control

The quality assurance assessment for Q1 and Q3 2025 is provided in Appendix E. Completeness goals regarding the 2025 data quality were met, and the data are suitable for the intended uses.

Per the Site-Wide WQSAP (Haley & Aldrich 2010b), the quality assurance assessment provides an assessment of data quality, including precision, accuracy, representativeness, comparability, completeness, and sensitivity. The quality assurance assessment also includes results of the data validation process, and a summary of the field sampling and analytical program, data management review procedure, and data verification process.

4.2.2 Groundwater Screening Reference Values

Groundwater screening reference values are presented in Table 8. The groundwater sampling results for individual chemicals are compared for discussion purposes to the following screening values, listed in approximate descending order of importance and/or relevance:

- Site-specific values developed by DTSC (Stantec 2022a) (listed as SSFL Comparison in report tables);
- Isotope-specific activity limits for individual beta/photon emitters based on the effective dose equivalent of 4 millirems per year (mrem/yr) (Federal Register 2000);
- Primary MCLs established by the EPA and promulgated by the Safe Drinking Water Act, and by the California State Water Resources Control Board (SWRCB) Division of Drinking Water as promulgated by 22 CCR, sections 64431 through 64449 and 64672 (SWRCB 2024) (listed as Primary MCL and Cal MCL in report tables);
- Notification Levels and Archived Advisory Levels established by the SWRCB (SWRCB 2025);
- Secondary maximum contaminant levels (SMCLs), which address aesthetics such as taste and odor (SWRCB 2024) (listed as Secondary MCL in report tables);
- Taste and Odor Threshold (SWRCB 2025) (listed as Taste/Odor in report tables); and
- Site-specific values developed for SSFL using risk assessment procedures assuming direct ingestion of groundwater (Stantec 2022b) (listed as site-wide groundwater risk-based screening level [SWGW RBSL] in report tables).

In Table 8, analytes are screened against all screening levels, as applicable. Columns are provided for SSFLs, RBSLs, and "other" (all other screening levels). The methodology used to develop the risk-based screening values for chemicals that are not metallic elements and where there are no agency-published values is described in a technical memorandum included in Appendix 7-C of the Groundwater RI Report (MWH 2009).

4.2.3 Areas of Impacted Groundwater

Chemical concentration data from the 2025 reporting period are provided on chemical extent maps showing areas of impacted groundwater for 12 chemicals on Figures 6 through 17. Where appropriate to provide bounding data for the plume contours, the most recent historical sample result or the maximum 2025 FSDF GWIM results (CDM Smith 2025a, b, c) are presented on the figures for wells that were not sampled in 2025 under the sampling program reported here. The 12 chemicals were selected for mapping because: they are COCs in the Site-Wide Groundwater Monitoring Program; they generally exhibit more than solitary spatially isolated detects; they were presented on chemical extent maps in the Groundwater

RI Report (MWH 2009) and the RFI Work Plan (CDM Smith 2015a); and they were selected based on a comprehensive site-wide evaluation of their extent in groundwater.

The COC figures presented in this report reflect data for:

- trichloroethene (TCE)
- tetrachloroethene (PCE)
- cis-1,2-dichloroethene (cis-1,2-DCE)
- trans-1,2-dichloroethene (trans-1,2-DCE)
- 1,1-dichloroethene (1,1-DCE)
- 1,2-DCA
- 1,1-dichloroethane (1,1-DCA)
- 1,4-dioxane
- carbon tetrachloride
- total petroleum hydrocarbons (TPH)
- nitrate
- and tritium.

Vinyl chloride is a COC, but current conditions indicate that no areas of impacted groundwater are present, and no figure is presented for this analyte.

Perchlorate is a COC, but current conditions generally indicate that no areas of impacted groundwater are present. Although one MCL exceedance of perchlorate was detected in 2025, additional monitoring is needed to evaluate whether the exceedance is anomalous. No figure is presented for this analyte. Analytes 1,2,3-trichloropropene (1,2,3-TCP), formaldehyde, n-nitrosodimethylamine (NDMA), and fluoride are discussed in this section because they were analytes identified as needing further evaluation.

Chemicals with concentrations historically exceeding screening values at five or more locations but having adequate sampling coverage in current (2025) and recent data to indicate the chemicals are no longer present at concentrations above the SSFL screening criteria (e.g., 1,1,1-trichloroethane and benzene) were not included. Chemicals that are common laboratory contaminants (e.g., methylene chloride and bis [2-ethylhexyl] phthalate) and those that are naturally occurring and for which there is no known site-related anthropogenic source (e.g., sulfate) were also not included, even if they had concentrations exceeding screening values at five or more locations.

The 2025 analytical results were evaluated to identify any additional chemicals for which a chemical extent map was warranted according to the criteria used in the Groundwater RI Report (MWH 2009). No additional chemicals were identified for generation of a chemical extent map.

Areas of impacted groundwater from the Groundwater RFI Report (CDM Smith 2018) form the basis of those shown in the chemical extent maps in this report. Adjustments to the areas of impacted groundwater are made each year, as new data are collected. The chemical extent boundaries for each chemical are defined by the groundwater screening reference values listed in Table 8. The maximum concentrations at each location from samples collected in 2025 are posted for each chemical and the locations are color-coded to indicate whether the result exceeded the screening value, was detected below the screening value, or was not detected. For locations that were not sampled in 2025 under this sampling program, the most recent historical result or the maximum 2025 FSDF GWIM result is posted along with the date the sample was collected.

Isoconcentration lines equal to screening values for selected chemicals in groundwater are depicted in Figures 6 through 17 and are based on the 2025 results and consideration for historical sampling results as well as professional judgment, particularly for chemicals that are transformation or daughter products from either the biological or abiotic decay of a parent (e.g., cis-1,2-DCE produced from the biological transformation of TCE). The screening-value isoconcentration lines represent the interpreted map-view extent of impacted groundwater based on all available data, not just the most recent reporting period.

The areas of impacted groundwater for each of the chemicals plotted are discussed below and have been adjusted based on the results from 2025. In general, sample results were consistent with historical results, and reported concentrations will be further evaluated by comparing 2025 results to results from one or more future sampling rounds and performing trend analysis.

Contaminant detections are reported as a concentration followed by the laboratory qualifier and the data validation qualifier. The qualifiers are defined in Tables 10 and 11 and in Appendix E. Concentrations with a J qualifier are considered estimated due to uncertainty in the reported value. This uncertainty is due to not meeting accuracy criteria (Appendix E) and/or the reported value was above the MDL (i.e., lowest concentration that can be detected) but below the quantitation limit (i.e., lowest concentration that can be quantitatively detected with accuracy and precision).

Trichloroethene (Figure 6 and Table 10)

FSDF Area

In Q1 2025, TCE concentrations were detected above the MCL of 5 µg/L at four wells (C-08, RD-21, RD-64, and RS-18). TCE concentration graphs are provided in Appendix D for the following key FSDF TCE plume wells: RD-21, RD-33A, RD-33B, RD-54A, RD-54B, RD-54C, RD-64, RD-65, RS-18, and RS-54. Notable observations include the following:

- RS-18: TCE concentrations have decreased since the 1990s, with concentration below the MCL between 2009 and 2019. Since 2020, however, concentrations have exceeded the MCL, with the exception of the Q1 2022 concentration (4.83 µg/L). The TCE concentration in Q1 2025 was 36.4 µg/L.
- RD-21: Although TCE concentrations have decreased since the 1990s, the Q1 2025 concentration of 959 µg/L is the greatest result since 1997. The trend plot (Appendix D) suggests that concentrations have increased since 2017, generally correlated with an increasing water table (see hydrograph in Appendix C). Continued monitoring will inform whether the observed trend continues.
- RD-64: After nearly 20 years of decreasing concentrations, the last four sampling events since 2023 have displayed slightly elevated concentrations. The concentration in Q1 2025 was 62.6 µg/L. Continued monitoring will inform whether these results are indicative of increasing concentrations at the well.
- RD-65: The Q1 2025 concentration of 1.55 µg/L appears to align with previous results indicating that TCE concentrations at this well are continuing to decrease. It further indicates that the 2023 exceedances (276 µg/L in Q1 and 354 µg/L in Q3) were anomalies.

Overall, the boundary of the FSDF TCE plume remains relatively stable.

Metals Clarifier Area

In Q1 2025, TCE was detected above the MCL at PZ-105. TCE concentration graphs are provided for the following key Metals Clarifier area TCE plume wells: PZ-005, PZ-105, and PZ-104.

- PZ-005 and PZ-104: The graphs at these wells indicate that TCE concentrations are decreasing, with Q1 2025 concentrations of 1.57 µg/L and non-detect, respectively.
- PZ-105: Concentrations appear stable to declining. Concentrations continue to slightly exceed the MCL, with a concentration of 5.26 µg/L in Q1 2025.

The TCE plume boundary at the Metals Clarifier Area remained unchanged from the annual 2024 report (Figure 6).

Building 4057/4059/4626

In Q1 2025, TCE was detected above the MCL at PZ-109, with a concentration of 16 µg/L. A TCE concentration graph is provided for this well (Appendix D). Concentrations have generally fluctuated between 5 µg/L and 10 µg/L, but the graph suggests an increasing trend. The Q1 2025 concentration of 16 µg/L is the maximum result for PZ-109. Continued monitoring will inform whether the observed trend continues.

The TCE plume boundary at Building 4057/4059/4626 remained unchanged from the annual 2024 report (Figure 6).

Building 4100/Building 56 Landfill Area

In 2025, TCE was detected above the MCL at RD-07. TCE concentration graphs are provided for the Building 4100/Building 56 Landfill Area wells RD-07 and RD-20.

- RD-07: Concentrations appear largely stable, with minor fluctuations. Concentrations continue to exceed the MCL, with a concentration of 56.2 µg/L in Q1 2025.
- RD-20: TCE concentrations have been non-detect since 1991. Due to non-detect results, this graph will be removed from future reporting.

The TCE plume boundary at the Building 4100/Building 56 Landfill Area remained unchanged from the annual 2024 report (Figure 6).

HMSA Area

In Q1 2025, TCE was detected above the MCL in five wells (DD-144, PZ-108, PZ-122, PZ-163, and PZ-165). In Q3 2025, TCE was detected above the MCL in DS-48. TCE concentration graphs are provided for PZ-108 and PZ-120.

- PZ-108: Concentrations appear largely stable, with minor fluctuations. Concentrations continue to exceed the MCL, with a concentration of 154 µg/L in Q1 2025.
- PZ-120: Concentrations appear to be decreasing, with five of the last six concentrations being below the MCL. The concentration in Q1 2025 was 1.99 µg/L.

The TCE plume boundary at the HMSA area was expanded south to include PZ-122, which had been below the MCL in 2024 (3.08 µg/L); and contracted to exclude PZ-120, which had exceeded the MCL in 2024 (11.1 µg/L) (Figure 6).

Radioactive Materials Handling Facility (RMHF) Area

In Q1 2025, TCE was detected above the MCL at RS-28. TCE concentration graphs are provided for RMHF wells RD-30, RD-34A, RD-34B, RD-34C, RD-63, RD-98, and RS-28. Notable observations include the following:

- RD-30: Concentrations appear to be clearly and consistently decreasing, with only one MCL exceedance since 2016 (Q1 2020 at a concentration of 5.49 µg/L). The concentration in Q1 2025 was 3.08 µg/L.
- RD-34A, RD-34B, RD-34C, RD-98: Concentrations appear to be clearly decreasing, with concentrations non-detect or below the MCL.
- RS-28: Concentrations appear to be decreasing but generally remain slightly above the MCL. The concentration in Q1 2025 was 6.42 µg/L.

The TCE plume boundary at the RMHF Area remained unchanged from the annual 2024 report (Figure 6).

Tetrachloroethene (Figure 7 and Table 10)

Building 4057/4059/4626

In Q1 2025, tetrachloroethene was detected above the MCL of 5 µg/L in Building 4057/4059/4626 wells DD-142 (8.10 µg/L) and PZ-109 (27.6 µg/L).

The PCE plume boundary was expanded northwest to include DD-142, which had not exceeded the MCL when last sampled in Q1 2020 (Figure 7).

cis-1,2-Dichloroethene (Figure 8 and Table 10)

HMSA Area

Cis-1,2-DCE was detected above the MCL of 6 µg/L at wells DD-144 (8.88 µg/L), PZ-108 (15 µg/L), and PZ-163 (11.2 µg/L) in Q1 2025; and DS-48 (13 µg/L) in Q3 2025. The plume boundary remained unchanged from the 2024 annual report.

FSDF Area

Cis-1,2-DCE was detected above the MCL at wells RD-21 (9.84 µg/L), RD-23 (11.9 µg/L), and RD-64 (20.9 µg/L) in Q1 2025. The plume boundary was expanded south to include RD-21, which had been below the MCL in 2021 (1.68 µg/L), and revised to incorporate the FSDF GWIM data.

Building 4100 / Building 56 Landfill Area

Well RD-91 was not selected for sampling in 2025. RD-91 at 7.68 µg/L in Q1 2023 was the only detection above the screening criterion in this area.

Building 4057/4059/4626

Cis-1,2-DCE was detected above the MCL at well PZ-109 (9.13 µg/L). The plume boundary remained unchanged from the 2024 annual report.

trans-1,2-Dichloroethene (Figure 9 and Table 10)

FSDF Area

Trans-1,2-DCE was detected above the MCL of 10 µg/L at well RD-23 (27.5 µg/L). RD-65, which exceeded the MCL in Q1 2023 (21.2 µg/L), had a detection of 1.69 µg/L. The plume boundary was shifted southwest to include RD-23 and exclude RD-65 (Figure 9).

Vinyl Chloride (Table 10)

Vinyl chloride results were non-detect for all wells sampled during the Site-Wide events in Q1 and Q3 2025. The MDL for all vinyl chloride results was 0.333 to 0.43 µg/L and is considered sufficient for project purposes. The MCL for vinyl chloride is 0.5 µg/L. Due to the lack of vinyl chloride detections in 2024 or 2025, the vinyl chloride concentration map has been removed from this report. The FSDF GWIM monitoring indicates a small vinyl chloride plume around wells C-21 and C-25 (CDM Smith 2025a, b, c)

1,1-Dichloroethene (Figure 10 and Table 10)

Tritium Plume

1,1-DCE was detected above the MCL of 6 µg/L at tritium plume wells RD-88 (10.4 µg/L) and RD-90 (6.18 µg/L). These wells did not have MCL exceedances reported in the 2023 or 2024 annual reports, and a 1,1-DCE plume boundary was added at these wells (Figure 10).

FSDF Area

RD-65, which exceeded the MCL in Q1 2023 (26.8 µg/L), had a detection of 0.960 µg/L in Q1 2025. The 1,1-DCE plume boundary at the FSDF area (Figure 10) was revised to incorporate the FSDF GWIM data (CDM Smith 2025 a, b, c).

1,2-Dichloroethane (Figure 11 and Table 10)

FSDF Area

1,2-DCA was detected above the MCL of 0.5 µg/L at RD-21 (0.8 µg/L). The plume boundary was expanded south to include RD-21, which had been non-detect in 2022, and revised to incorporate the FSDF GWIM data (Figure 11).

1,1-Dichloroethane (Figure 12 and Table 10)

FSDF Area

For samples collected and analyzed in Q1 and Q3 2025, there were no reported detections of 1,1-DCA above the MCL of 5 µg/L. The plume was revised to incorporate the FSDF GWIM data (Figure 12).

1,4-Dioxane (Figure 13 and Table 10)

During 2019, 1,4-dioxane was analyzed for wells DD-140, RD-33A, RD-63, and RS-54 following a recommendation in the 2018 annual report, and it was detected above the screening value of 1 µg/L. Based on a 2019 recommendation, 1,4-dioxane was added to Site-Wide wells scheduled for VOC analysis. The 2025 results for 1,4-dioxane above the screening value (notification level; 1 µg/L) are discussed below.

FSDF Area

In Q1 2025, 1,4-dioxane exceeded the CA Notification Level screening value of 1 µg/L in well DD-140 (1.84 µg/L), DS-46 (3.90 µg/L), RD-33A (2.22 µg/L), RD-64 (3.30 µg/L), and RS-18 (8.60 µg/L). The plume boundary was revised based on current data and the 2025 FSDF GWIM data.

HMSA Area

In Q1 2025, 1,4-dioxane exceeded the CA Notification Level screening value of 1 µg/L in wells PZ-163 (1.07 µg/L) and PZ-165 (1.86 µg/L). The plume boundary was extended east to include PZ-163, which

was below the screening level in 2024 (0.97 µg/L); and contracted north to exclude PZ-120, which had formerly exceeded the screening level in 2024 (3.5 µg/L) (Figure 13).

Tritium Plume

In Q1 2025, 1,4-dioxane exceeded the CA Notification Level screening value of 1 µg/L in wells DD-147 (1.60 µg/L), RD-88 (11.4 µg/L), RD-90 (9.05 µg/L), RD-93 (4.27 µg/L), and RD-95 (7.23 µg/L). The plume boundary was expanded to include DD-147, RD-88, and RD-93, which had been below the screening level in 2024 (0.762 µg/L, non-detect, and 0.754 µg/L, respectively) (Figure 13).

RMHF Area

In Q1 2025, 1,4-dioxane did not exceed the CA Notification Level screening value at any RMHF area wells. The plume boundary has been removed from the RMHF area. Note that at well RD-63, 1,4-dioxane was 0.901 µg/L in Q1 2025 and 1.16 µg/L in 2024. This is likely seasonal fluctuation or normal sampling or analytical variability.

Carbon Tetrachloride (Figure 14 and Table 10)

FSDF Area

In Q1 2025, carbon tetrachloride exceeded the MCL of 0.5 µg/L in well RD-21 (27.2 µg/L). The carbon tetrachloride plume boundary remains unchanged from the 2024 annual report (Figure 14).

Total Petroleum Hydrocarbons (DRO and GRO) (Figure 15 and Table 10)

Total petroleum hydrocarbons (TPH) consist of many constituents broken into three categories: DRO, gasoline-range organics (GRO), and residual-range organics (RRO). DRO and GRO are the most common constituents tested for and found on site.

The TPH plumes presented on Figure 15 are contoured against two reference criteria: the taste/odor threshold of 100 µg/L for DRO, and a typical laboratory reporting limit of 50 µg/L for GRO (reporting limits at or below the GRO taste/odor threshold of 5 µg/L generally cannot be achieved).

FSDF Area

In Q1 2025, DRO exceeded the screening level of 100 µg/L in wells DS-46 (161 µg/L) and RD-23 (182 µg/L). The DRO plume boundary was contracted to exclude RD-64 and RD-65, which did not exceed the screening level in 2025 (Figure 15).

In Q1 2025, GRO exceeded the reference value of 50 µg/L in well RD-21 (411 µg/L). A GRO plume boundary has been added at RD-21, which had not previously been sampled for GRO.

Metals Clarifier Area

In Q1 2025, DRO exceeded the screening level in wells PZ-005 (142 µg/L), PZ-104 (118 µg/L), and PZ-105 (195 µg/L). The DRO plume was expanded to include PZ-005 and PZ-105, which had been non-detect in 2024 (Figure 15).

Building 4057/4059/4626

In Q1 2025, DRO exceeded the screening level in wells PZ-109 (608 µg/L) and RD-96 (278 µg/L). The plume boundary was expanded northwest to include RD-96, which had been below the screening level in 2024 (71.3 µg/L) (Figure 15).

Building 4100/Building 56 Landfill Area

In Q1 2025, DRO exceeded the screening level in well RD-74 (165 µg/L). The DRO plume boundary was expanded southeast to include RD-74, which had been non-detect in 2024 (Figure 15).

HMSA Area

In Q1 2025, DRO exceeded the screening level in wells DD-146 (165 µg/L), PZ-121 (190 µg/L), PZ-122 (101 µg/L), PZ-162 (156 µg/L), PZ-165 (150 µg/L), PZ-166 (219 µg/L), PZ-168 (236 µg/L), and RD-29 (110 µg/L). In Q3 2025, DRO was equal to the screening level in PZ-167 (100 µg/L). A DRO plume including the above wells was added to Figure 15.

In Q1 2025, GRO exceeded the reference value of 50 µg/L in wells PZ-108 (78.3 µg/L) and PZ-163 (51.8 µg/L). The GRO boundary at the HMSA area has been revised to exclude wells with GRO concentrations below 50 µg/L.

Old Conservation Yard (OCY) Area

In Q1 2025, DRO exceeded the screening level in wells DD-158 (179 µg/L) and DD-159 (108 µg/L). A DRO plume boundary has been added at the OCY area including DD-158 and DD-159, which had been below the screening level in 2024 (71.8 µg/L and 86.9 µg/L, respectively).

Tritium Plume

In Q1 2025, DRO exceeded the screening level in wells RD-90 (139 µg/L) and RD-94 (256 µg/L). A DRO plume boundary has been added to the Tritium Plume including RD-90, which had not previously been sampled for DRO, and RD-94. Wells RD-24 and RD-93 should be analyzed for TPH in the future to assess the extent of contamination between the Tritium Plume and the HMSA area.

Nitrate as N (Figure 16 and Table 10)

Metals Clarifier Area

In Q1 2025, Nitrate-N was detected above the MCL of 10 mg/L in wells PZ-005 (12 mg/L) and PZ-103 (16.1 mg/L). The Nitrate-N plume boundary remains unchanged from the 2024 annual report (Figure 16).

Tritium (Figure 17 and Table 10)

Tritium Plume Area

In Q1 2025, tritium was not detected above the MCL of 20,000 pCi/L at any wells. Concentration graphs are provided for tritium plume wells RD-34A, RD-88, RD-90, RD-93, RD-94, and RD-95. The graphs indicate decreasing tritium concentrations at each of the wells with trend graphs.

The graphs include trendlines generated from both actual tritium detections and projected tritium half-life decay from the highest historical detection. The detection trend lines show that all wells should be at or below the MCL. The 2024 and 2025 data confirm these expectations. The decay trendlines indicate a

much longer timeframe. The Groundwater RFI Report notes that the rate of diminishing tritium concentrations is faster than the half-life decay predictions due to dispersion and dilution factors (CDM Smith 2018).

Since current tritium concentrations are below the MCL, the tritium plume boundary was removed from Figure 17.

Other Analytes of Interest

The following analytes are not considered COCs but are of potential interest.

Perchlorate (Table 10)

In the past there was one area of impacted groundwater for perchlorate, FSDF. Sample results are discussed below for the former area of impacted groundwater.

FSDF Area

In Q1 2025, perchlorate exceeded the MCL of 6 µg/L at well RD-21 (12.2 µg/L). Concentration graphs are provided in Appendix D for the FSDF perchlorate plume wells RD-18, RD-54A, RS-18, and RS-54.

- RD-21: Perchlorate concentrations have generally decreased since 2013, and the last MCL exceedance had been Q1 2013 (6.2 µg/L). However, perchlorate exceeded the MCL in Q1 2025 with a concentration of 12.2 µg/L. Continued monitoring is needed to determine if this elevated concentration is an anomaly, or representative of increasing concentrations at the well.
- RD-54A, RS-18, and RS-54: Perchlorate concentrations are generally stable or non-detect. No MCL exceedances have been detected at these wells in recent years.

No figure is required for this analyte.

OCY Area

In Q3 2025, perchlorate exceeded the MCL at well DD-158 (26 µg/L). This was the first time this well had been analyzed for perchlorate. Continued monitoring will inform whether this well continues to exceed MCLs. Additional OCY area wells should be added for perchlorate sampling in future events.

Formaldehyde

Areas of groundwater impacted by formaldehyde are not present in Area IV. Formaldehyde was non-detect at all wells sampled in 2025. No figure is required for this analyte. Removing formaldehyde from the Area IV monitoring program should be considered.

N-Nitrosodimethylamine

All NDMA results were non-detect in 2025. No figure is required for this analyte. Removing NDMA from the Area IV monitoring program should be considered.

Fluoride (Table 10)

The previous area of impact for fluoride was in the vicinity and south of the Systems Nuclear Auxiliary Power Facility. Since fluoride was not detected above the RBSL (0.799 mg/L) for any Area IV wells in 2014, this area of impact was removed at that time. The 2025 fluoride results reported in Area IV wells ranged from 0.221 mg/L to 0.753 mg/L with no detections exceeding the RBSL or the SSFL (1.0 mg/L).

4.2.4 Analytical Results

For the Q1 2025 and Q3 2025 sampling periods, analytes in groundwater samples collected in Area IV that were detected for the first time at a particular well, and/or were analyzed for the first time, are shown in Table 9. Table 9 also shows whether the Q1 or Q3 2025 detected result is a new maximum value for that analyte at that well.

First-time detections and new maximum concentrations of constituents in the SSFL groundwater generally lie within the following categories:

- First-time detect and first-time analyzed.
- First-time detect and the concentration is less than half the reference value or is near the method detection limit (MDL) or MDA and (1) the constituent has only a recent sampling history (small total number of analyses for that constituent), (2) the constituent is a common field or laboratory contaminant, or (3) the constituent is naturally occurring.
- First-time detect and lower MDL or MDA compared to historical results.
- First-time detect or new maximum and the analyte is a daughter product of another constituent known to be present at that location or is otherwise consistent with other constituents previously detected at that location.
- First-time detection or new maximum concentration is consistent with other nearby wells.
- New maximum concentration only slightly exceeds previous maximum, and a clear increasing trend is not apparent.
- Detection is not repeatable in consecutive sampling events, or is not consistent between primary, duplicate, and split sample results.
- Combinations of the previously listed categories.

4.2.4.1 On-Site Detections

Constituent concentrations (except for radiochemical constituents, which are discussed separately in Section 4.2.5) detected in groundwater samples collected from on-site wells in Q1 2025 and Q3 2025 and presented in Table 9 are discussed below.

First-Time Analyses of an Analyte at a Particular Well

No new on-site wells/analytes were added for sampling in Q1 2025.

Monitoring wells C-31 and C-32 were new on-site wells added to the sampling program in Q3 2025; however, since the wells were dry, no samples were collected. In Q3 2025, the following first-time detections resulted from the updated analytical program implemented following the DOE and DTSC working session decisions (CDM Smith 2025c):

- DRO and/or GRO: wells DD-145, PZ-164, and PZ-167
- Molybdenum: wells PZ-164 and PZ-167
- Perchlorate: well DD-158
- Pesticides (beta-BHC, delta-BHC, Endosulfan II, Endosulfan Sulfate): well PZ-105

- Radiochemical (radium-226/228 and/or total uranium): wells DD-141, DD-143, DS-44, DS-45, DS-47, RD-17, RD-27, RD-34B, RD-54A, and RD-93.

First-Time Detection of the Analyte and New Maximum Value

As shown in Table 9, reportable analytes were detected above the respective screening criteria for the first time during Q1 2025 and Q3 2025 in various wells, and those concentrations are also now the new maximum values for those analytes at these wells. New maximum concentrations in this category above the associated SSFL screening criteria values are described below.

Q1 2025

First-time detections from on-site groundwater samples collected in Q1 2025 (Table 9) included a total of 20 organic and inorganic constituents at 37 wells. The on-site detections were consistent with historical data as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Data from future sampling rounds will be used to evaluate extent and potential trends.

Q3 2025

First-time detections from on-site groundwater samples collected in Q3 2025 (Table 9) included a total of 14 organic and inorganic constituents at 9 wells. The on-site detections were consistent with historical data as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Data from future sampling rounds will be used to evaluate extent and potential trends.

Not a First-Time Detection but Analyte Concentration is New Maximum Value

As shown in Table 9, reportable analytes were detected as new maximum values in various wells during Q1 2025 and Q3 2025. Each detected concentration was not the first time each analyte was seen in the well; however, the value is now a new maximum concentration. New maximum values for previously detected analytes exceeding the associated SSFL screening criteria values are discussed below.

Q1 2025

New maximums in on-site groundwater samples collected in Q1 2025 (Table 9) included a total of 25 organic and inorganic constituents at 48 wells. Generally, the new maximums were similar to the historical range as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Notable new maximum values include the following:

- Cadmium (dissolved) was detected at a new maximum concentration of 5.17 µg/L at well PZ-121. This result is approximately 10 times greater than the historical maximum (0.54 µg/L) and exceeds the SSFL background, RBSL, and maximum contaminant level (MCL) (Table 8). However, this dissolved result is similar to the total cadmium result for this well (Table 9) and thus may not be indicative of changing conditions. Additional sampling will inform whether the Q1 2025 dissolved-phase cadmium concentration is anomalous.
- Lead (total) was detected at a new maximum concentration of 16.9 µg/L at well RD-22. This result is more than 10 times greater than the historical maximum (1.39 µg/L) and slightly exceeds the SSFL background and RBSL. This concentration is less than historical maximums from other nearby FSDF wells (historically ranged up to 470 µg/L at well RD-21). Thus, the Q1 2025 lead result from RD-22

is likely related to natural variability. Data from future rounds of sampling at RD-22 will be used to evaluate extent and potential trends.

- Trichloroethene (TCE) was detected at a new maximum concentration of 16 µg/L at well PZ-109. This result is 1.6 times greater than the historical maximum (10 µg/L) and exceeds the RBSL and MCL. The new maximum was also the greatest detection in any well associated with the Building 4057/4059/4626 area. The trend plot for TCE concentrations at PZ-109 (Appendix D) shows a fair amount of scatter and suggests a possible increasing trend. The Q1 2025 result aligns with this interpretation. The Q1 2025 groundwater elevation at PZ-109 was 1 to 3 feet lower than the 2024 elevations, which could explain the increase in TCE concentrations. Data from future rounds of sampling will be used to evaluate extent and potential trends of TCE.
- 1,4-dioxane was detected at a new maximum concentration of 7.23 µg/L at RD-95. This result is approximately 1.5 times greater than the concentration detected in Q1 2024. 1,4-dioxane was a first-time detection at RD-95 in 2024. Continued monitoring will inform if 1,4-dioxane concentrations are increasing in this area.

Q3 2025

New maximums in on-site groundwater samples collected in Q3 2025 (Table 9) included a total of seven inorganic constituents at four wells. Generally, the new maximums were similar to the historical range as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Notable new maximum values include the following:

- Arsenic (dissolved) was detected at a new maximum concentration of 8.28 µg/L at well PZ-164. This result is approximately 2 times greater than the historical maximum (3.51 µg/L) and exceeds the SSFL background and the RBSL (Table 8). However, this dissolved result is similar to the total arsenic result for this well, which only slightly exceeds the historical range (Table 9) and thus may not be indicative of changing conditions. Additional sampling will inform whether the Q1 2025 dissolved-phase arsenic concentration is anomalous.

4.2.4.2 Off-Site Detections

Three off-site wells (RD-59A, RD-59B, and RD-59C) were selected for sampling in the Q1 2025 event. The Q1 2025 results showed that 1,4-dioxane was a first-time detection at well RD-59B at an estimated concentration of 0.0532 (J/J) µg/L (Table 9). This concentration is less than the 1 µg/L Notification Level as well as less than the 0.459 µg/L RBSL. 1,4-Dioxane was not detected in the adjacent wells RD-59A and RD-59C in Q1 2025. Wells RD-59A, RD-59B, and RD-59C have not been sampled since 2021 and have historically never had 1,4-dioxane detections. The low estimated concentration at RD-59B and lack of detections at adjacent wells suggest that this result may be anomalous. These wells should continue to be sampled when safely accessible. Results from the future sampling rounds will be used to evaluate extent and potential trends.

No off-site wells were sampled during the Q3 2025 event.

4.2.5 Radiochemistry Results

Radiochemistry analyses were performed for samples collected during the 2025 reporting period under the Site-Wide and RFI programs, and results are presented in Table 11 and discussed further below. Radiochemistry analyses included both total (non-filtered water) and dissolved (filtered water) results.

Radiochemistry analytes reported for the first time in groundwater at individual locations, as well as any new maximum concentrations, are presented in Table 9.

First-Time Analyses of an Analyte at a Particular Well

There were no new analytical suites included in the Q1 2025 or Q3 2025 sampling events. However, in Q3 2025, combined radium-226/228 was reported for the first time to align with the primary MCL (5 pCi/L for a combined total of radium-226/228). Total uranium was also reported for the first time to align with reporting across ETEC.

First-Time Detection of the Analyte and the New Maximum Value

As shown in Table 9, there were several first-time and new maximum reported detections exceeding the respective screening limits in Q1 2025 and Q3 2025.

Q1 2025

First-time detections in on-site groundwater samples collected in Q1 2025 (Table 9) included a total of seven constituents (gross beta, potassium-40, radium-226, tritium, uranium-233/234, uranium-235/236, and uranium-238) at five wells. None of these first-time detections exceeded established screening values. The on-site detections were consistent with historical data as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Data from future sampling rounds will be used to evaluate potential trends.

Q3 2025

First-time detections in on-site groundwater samples collected in Q3 2025 (Table 9) included a total of four constituents (cesium-137, europium-154, strontium-90, and uranium-235/236) at six wells. Radium-226/228 and total uranium are also presented as first-time detections in Table 9, as this is the first time these combined values were reported. None of these first-time detections exceeded established screening values. However, the reporting of radium-226/228 resulted in primary MCL exceedances at three wells. The on-site detections were consistent with historical data as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Data from future sampling rounds will be used to evaluate potential trends.

Not a First-Time Detection but Analyte Concentration is New Maximum Value

As shown in Table 9, multiple constituents were reported as new maximum values in various wells during Q1 2025 and Q3 2025. Each reported concentration was not the first time each analyte was seen in the well; however, the value is now a new maximum concentration.

Q1 2025

New radiochemical maximums in on-site groundwater samples collected in Q1 2025 (Table 9) included a total of seven radionuclides at 10 wells. Generally, the new maximums were similar to the historic range as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Notable new maximum values include the following:

- Gross alpha was detected at a new maximum activity of 29.2 (dissolved) and 31.8 (total) pCi/L at well RD-95. These new maximum activities exceed the MCL (15 pCi/L). The previous historical maximums at this well were 18.1 and 22.6 pCi/L, respectively. RD-95 is one of the site wells known to be impacted by tritium, so gross alpha detections are not unexpected. Data from future rounds of sampling will be used to evaluate extent and potential trends.
- Gross alpha was detected at a new maximum activity of 32.5 (total) pCi/L at well RD-96. This result exceeds the MCL (15 pCi/L). The previous historical maximum was 18.4 pCi/L. The new maximum is very similar to the historical maximum of 35.8 pCi/L from nearby well RD-97, also located in the Building 4057/4059/4026 impact area. Data from future rounds of sampling will be used to evaluate extent and potential trends.
- Uranium-233/234 was detected at a new maximum activity of 20.9 (dissolved) and 21.8 (total) pCi/L at well RD-95. These results are marginally greater than the historical maximums (14 and 18.3 pCi/L, respectively) and are the first reported exceedances of the MCL (20 pCi/L) at this well. Data from future rounds of sampling will be used to evaluate potential trends.

Q3 2025

New radiochemical maximums in on-site groundwater samples collected in Q3 2025 (Table 9) included a total of eight radionuclides at eight wells. Generally, the new maximums were similar to the historic range as presented in the 2014 through 2024 Annual Reports (CDM Smith 2015b, 2016; North Wind 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025a) and/or fell within the categories listed in Section 4.2.4. Notable new maximum values include the following:

- Gross alpha was detected at a new maximum activity of 13.7 (dissolved) and 17.1 (total) pCi/L at well DS-45. The new maximum activity for total gross alpha exceeded the primary MCL (15 pCi/L). These results are marginally greater than the historical maximums (8.3 and 10.8 pCi/L, respectively), and the total gross alpha was the first reported exceedance of the MCL at this well. Gross alpha results at DS-45 were greater than the adjacent well DS-47 (Table 11). Data from future rounds of sampling will be used to evaluate potential trends.
- Gross alpha was detected at a new maximum activity of 19.5 (total) pCi/L at well DS-44. The new maximum activity for total gross alpha exceeded the primary MCL (15 pCi/L). This result is marginally greater than the historical maximum (14.5 pCi/L) and the total first reported exceedance of the MCL at this well. Data from future rounds of sampling will be used to evaluate potential trends.
- Gross alpha was detected at a new maximum activity of 23.2 pCi/L (total) at well RD-93. The previous historical maximum was 9.92 pCi/L. Dissolved gross alpha (17.9 pCi/L) also exceeded the primary MCL (15 pCi/L) but was not a new maximum (Table 9). RD-93 is one of the site wells known to be impacted by tritium, so gross alpha detections are not unexpected. Data from future rounds of sampling will be used to evaluate extent and potential trends.

4.2.5.1 Off-Site Detections

Three off-site wells (RD-59A, RD-59B, and RD-59C) were selected for sampling in the Q1 2025 event. The Q1 2025 radiochemical results showed new maximums at wells RD-59A (gross alpha, gross beta, and radium-226), RD-59B (radium-226 and radium-228), and RD-59C (radium-226). The new maximums were similar to the historical range of detected activities and did not exceed any screening values. Results from the future sampling events will be used to evaluate potential trends at the off-site wells.

No off-site wells were sampled during the Q3 2025 event.

4.2.6 2024 Results Follow-up

This section evaluates whether or not sampling and analyses performed during 2025 are sufficient to resolve documented follow-up sampling issues from the previous annual report (North Wind 2025a), and assesses the need for changes to the groundwater monitoring program.

4.2.6.1 2024 Outstanding Issues

Follow-up for 2024 Recommendations

In the Annual Report for 2024, some outstanding issues were identified, and recommendations were made for potential follow-up work. These recommendations and how they were addressed during the Q1 2025 and Q3 2025 sampling events are as follows:

- Update the WQSAP (Haley & Aldrich 2010b) to include sampling locations and COCs that support trend and extent evaluation. **The WQSAP is currently under revision and will be implemented in 2026.**
- Continue to monitor the wells across Area IV with detections of DRO and GRO above the screening criteria to evaluate potential trends related to the rainfall and subsequent percolation. **DRO and GRO were analyzed in 2023, 2024, and 2025 in multiple wells across Area IV. The number of reported TPH detections was 24 in 2023, 25 in 2024, and 39 in 2025. The number of reported TPH detections exceeding the 100 ug/L screening criteria was 12 in 2023, 7 in 2024, and 21 in 2025.**
- Continue to monitor TCE in the FSDF Groundwater Impact Area. There was an increase in TCE from 2023 to 2024 in several wells (RD-65, PZ-098) due to the higher-than-normal seasonal rainfall events. Additionally, detections above the screening criteria have been identified in downgradient well PZ-098. **The 2025 trend plots show TCE concentrations at RD-65 seen in 2023 were likely anomalies. TCE concentration graphs at RD-21 and RD-64 indicate that concentrations, while within historic ranges, may be showing recent increases at these wells.**
- Continue to monitor TCE in the HMSA Groundwater Impact Area. Though less pronounced than the impact to FSDF, TCE levels increased in several wells (including DD-144 and PZ-163) in this area. **Most wells in the HMSA area had relatively minor fluctuations from 2024 to 2025. Notable exceptions included PZ-120 decreasing below the MCL (the 2024 MCL exceedance appears to be anomalous), and a first-time MCL exceedance at PZ-122. Continued monitoring will provide additional insight into TCE trends in the HMSA area.**
- Continue to monitor reportable metals concentrations across the site. The number of new maximum detections for reportable metals increased in 2023 due to increased precipitation and infiltration, but the new maximums were generally not repeated in 2024. Continued monitoring will support extent and trend analysis. **Metals were analyzed in groundwater from selected wells in Q1 2025 and Q3 2025.**
- New detections of COCs in the Site-Wide Groundwater Monitoring Program above the SSFL screening value were reported in the following 17 wells: DD-140, DD-158, DD-159, DS-43, DS-44, DS-46, PZ-109, PZ-124, PZ-164 through PZ-169, RD-07, RD-90, and RD-95. These wells are recommended for future sampling rounds to evaluate potential extent and trends. **All wells listed above were sampled in either Q1 2025 or Q3 2025, except PZ-124, which was dry. Discussion on COC data is presented below.**
- New maximum detections (not first detections) of COCs in the Site-Wide Groundwater Monitoring Program above the SSFL screening value were reported in the following 19 wells: DD-140, DD-158,

DD-159, DS-44, DS-46, PZ-005, PZ-098, PZ-102, PZ-103, PZ-105, PZ-116, PZ-120, PZ-121, PZ-124, PZ-163, RD-20, RD-64, RD-74, and RD-96. These wells are recommended for future sampling rounds to evaluate potential extent and trends. **PZ-098, PZ-102, and PZ-124 were dry and unable to be sampled; all other wells listed above were sampled in Q1 2025 or Q3 2025.**

Follow-up for 2024 First-Time and New Maximum Results

This subsection contains a follow-up discussion for select COC results highlighted in the 2024 annual report. The sampling and analyses performed in 2025 provided sufficient resolution of these 2024 results and did not indicate a need for changes to the groundwater monitoring programs:

- 1,4-dioxane: In Q1 2024, 1,4-dioxane was detected for the first time or had a new maximum detection with concentrations exceeding the screening level of 1 µg/L at wells DD-140 (2.36 µg/L), DS-46 (3.96 µg/L), PZ-098 (1.76 µg/L), PZ-120 (3.5 µg/L), PZ-165 (2.93 µg/L), RD-90 (9.15 µg/L), and RD-95 (4.77 µg/L). In Q1 2025, 1,4-dioxane was again detected at a new maximum at RD-93 (4.27 µg/L) and RD-95 (7.23 µg/L). This represents a 1.5 times increase at RD-95 from 2024 to 2025.
- DRO: In Q1 2024 and Q3 2024, DRO was detected for the first time or had a new maximum detection with concentrations exceeding the screening level of 100 µg/L at wells DD-140 (114 µg/L), DS-43 (295 µg/L), DS-44 (141 µg/L), PZ-098 (362 µg/L), PZ-109 (176 µg/L), and PZ-124 (323 µg/L). In Q1 2025, DRO was again detected at a new maximum at PZ-109 (608 µg/L), which is a 3.4 times increase from 2024 to 2025.
- TCE: In Q1 2024, TCE was detected for the first time at well PZ-165 (9.75 µg/L) and exceeded the MCL of 5 µg/L. In Q1 2025, TCE again exceeded the MCL at PZ-165 with a concentration of 13.8 µg/L.

No other COCs with new detections/maximums exceeding screening levels in 2024 had repeat new maximums in 2025. Additional sample results from these wells may be used to evaluate lateral and vertical extent and support trend analysis.

Follow-up for Potentially Increasing Trends Identified during 2024

TCE in wells RD-21, RD-64, and PZ-109 continued to display increased concentrations (Appendix D). Additional monitoring will evaluate whether concentrations are continuing to increase. TCE concentrations increased in 2023 at RD-65; however, decreased concentrations in 2025 indicate that the elevated 2023 concentrations were anomalous (Appendix D). Decreased concentrations in 2025 at PZ-120 indicate that the elevated 2024 concentration was anomalous.

Increased perchlorate concentrations have been observed at RD-21 since 2022, and the 2025 concentration increased above the MCL. Additional monitoring will evaluate whether concentrations are continuing to increase.

5. 2026 PLANNED ACTIVITIES

The monitoring frequency for the Site-Wide Program will be quarterly for water level monitoring and annually for sampling and analysis, with sampling to be performed in the first calendar quarter of 2026.

5.1 Outstanding Issues and/or Follow-Up Work

After review of the 2025 sampling, the following outstanding issues were identified, and recommendations have been made for potential follow-up work:

- Site-wide wells PZ-097, PZ-124, and RS-18 should be sampled if water is present. These wells were unable to be sampled as scheduled in 2025 because they were dry during one or both sampling events.
- RFI wells C-31, C-32, PZ-098, PZ-100, PZ-101, PZ-102, RD-54C, RS-16, RS-25, and RS-27 should be sampled if water is present. These wells were unable to be sampled as scheduled in 2025 because they were dry during one or both sampling events.
- If safely accessible, well RD-59B should be re-sampled to confirm Q1 2025 results. Off-site well RD-59B had a first-time detection of 1,4-dioxane at an estimated concentration of 0.0532 (J/J) µg/L, which is less than screening levels. This well had not been sampled recently, with the most recent event prior to Q1 2025 being in 2021.
- RFI well RD-54C should undergo maintenance to remove the malfunctioning pump in the well and should be sampled. This well was scheduled but was not sampled during Q3 2025 due to the pump malfunction.
- Well DD-158 should continue to be sampled for perchlorate to confirm the MCL exceedance in Q3 2025. Additional OCY area wells should be added for perchlorate sampling in future events.

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FIGURES

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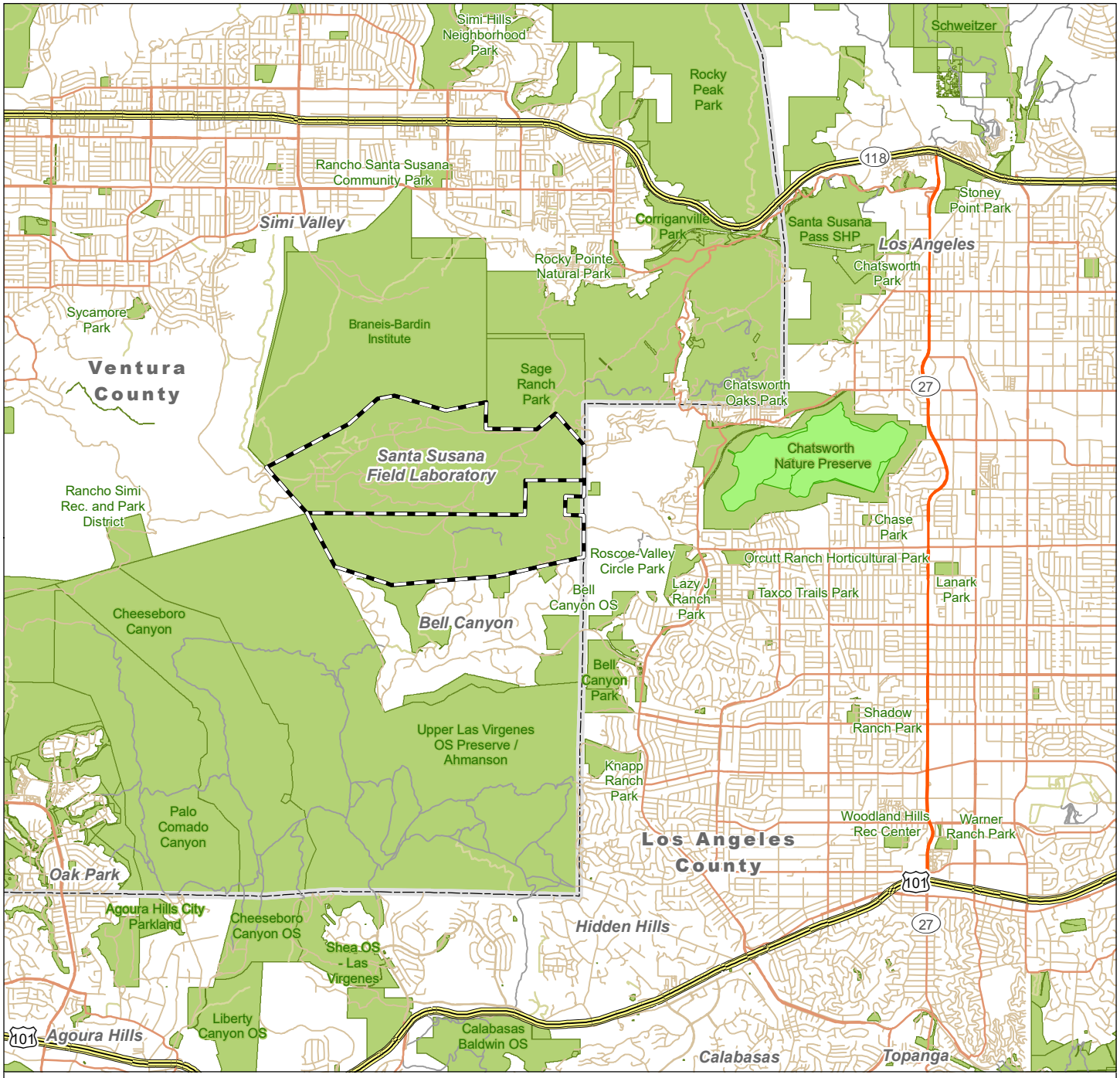

Legend

- Primary Limited Acess or Interstate
- Primary US and State Highways
- Secondary State and County Highways
- Local Street
- 4WD Road
- Other Thoroughfare
- Park or Open Space
- SSFL Property Boundary
- County Boundary

Notes:
- Original GIS layers provided by MWH/Boeing; updated by North Wind Inc. as needed.

Service Layer Credits:
- Park and Open Space Source: California Protected Areas Database (CPAD - www.calands.org), Santa Monica Mountains Conservancy, Mountains Recreation and Conservation Authority, National Park Service (2013); Protected Areas Database, US Geological Survey Gap Analysis Program, 2011; Ventura County Resource Management Agency, 2014.
- Street Source: Esri, TomTom, 2007.
- Census County Boundary Source: United States Census Bureau, TIGER/Line Shapefiles, August 2014.

N

0 0.75 1.5 Miles

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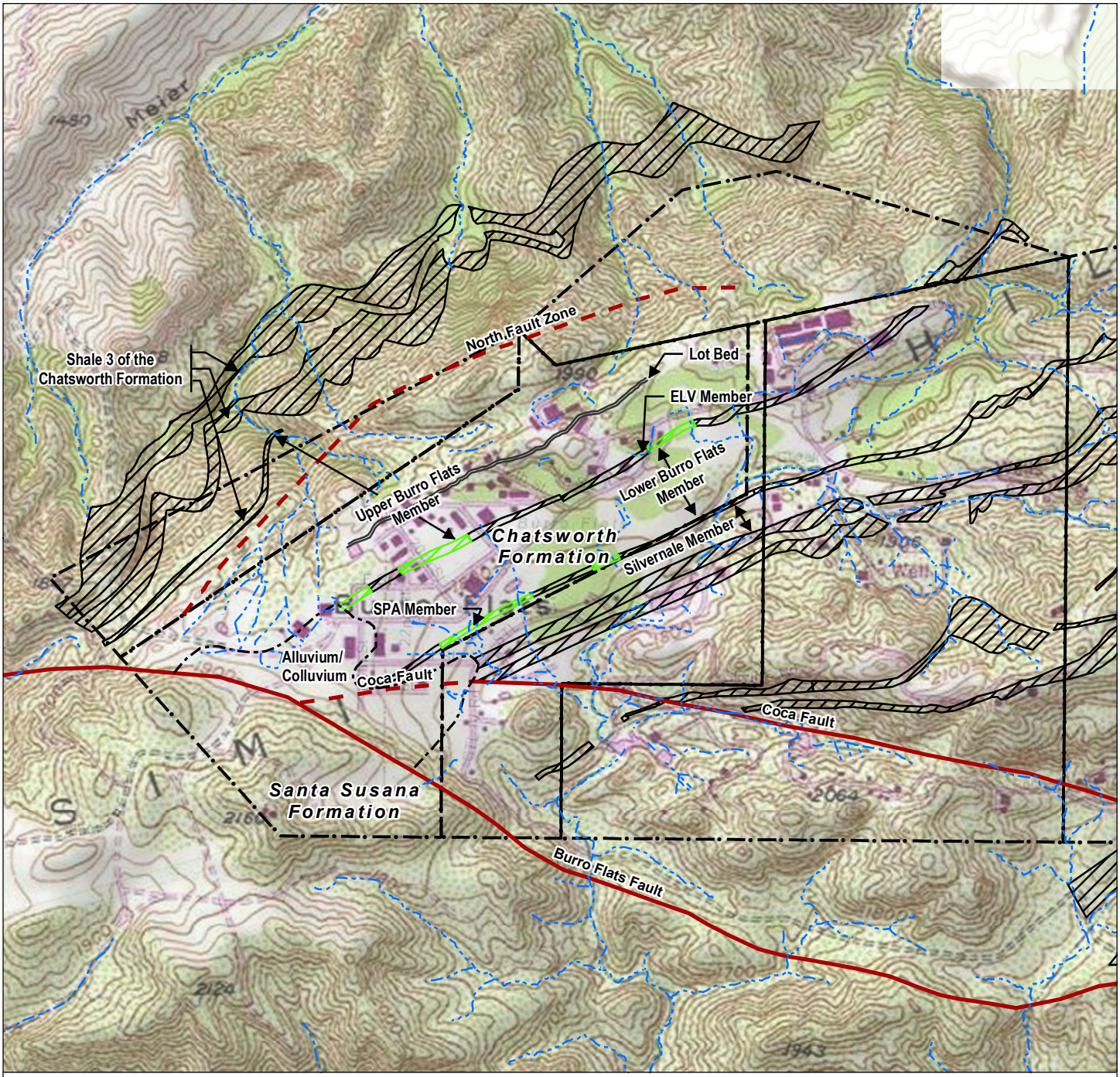
NORTHWIND PORTAGE, INC.

FIGURE 1

Facility Location Map
Annual Report on Groundwater Monitoring, Area IV, 2025
Santa Susana Field Laboratory
Ventura County, California



LEGEND

- Lot Bed
- Alluvium/Colluvium
- Fault Location
- Fault - Inferred
- Fine-grained unit
- Area where fine-grained unit may be discontinuous
- Drainage
- Area Boundary

Notes:
- Original GIS layers provided by MWH/Boeing; updated by North Wind Inc. as needed.
- Geologic data provided by MWH from Draft Site-wide Groundwater Remedial Investigation Report (MWH, 2009).

Service Layer Credits:
- Topo Source: Copyright:© 2013 National Geographic Society, i-cubed

N

0 700 1,400 Feet

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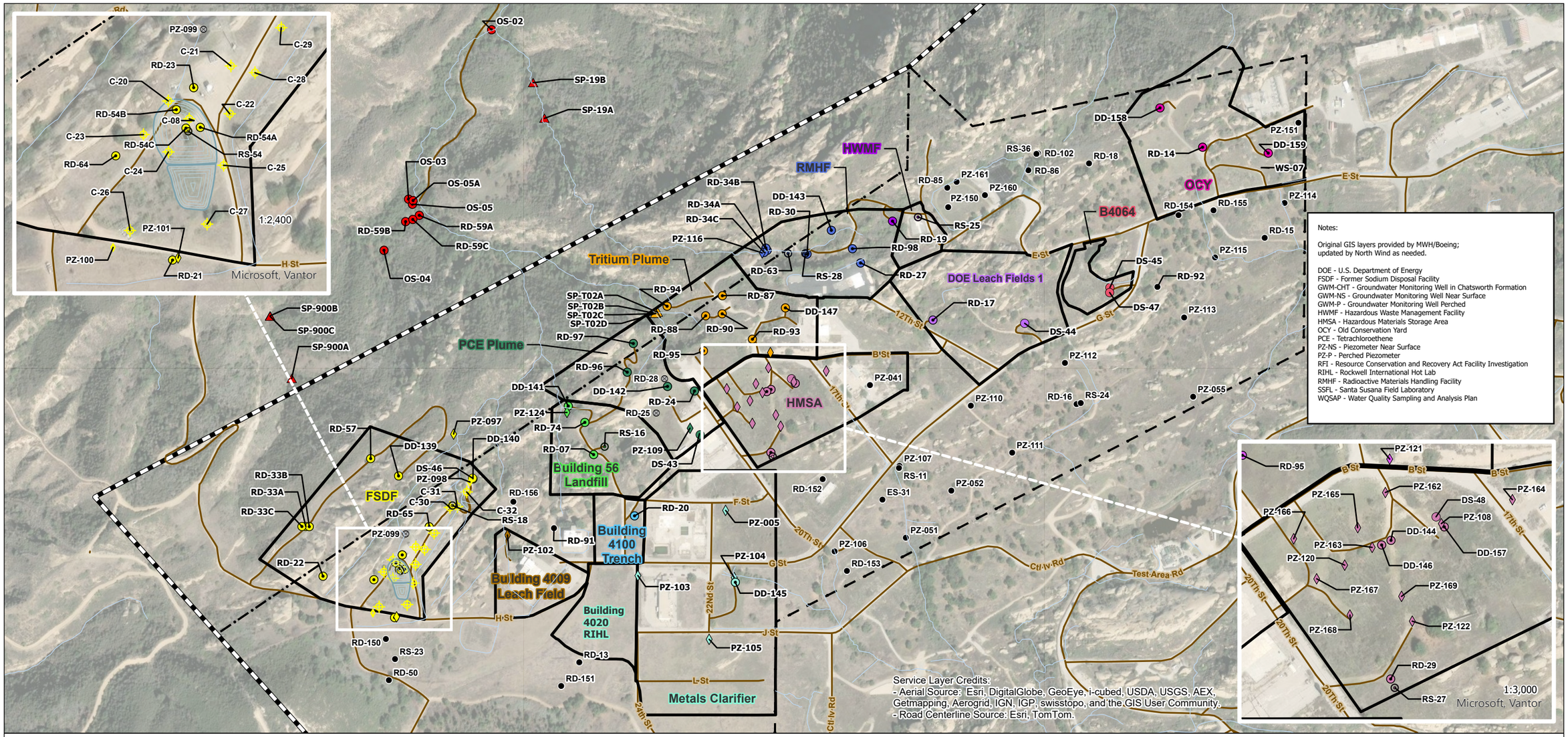
NORTHWIND PORTAGE, INC.

FIGURE 2

SSFL Geologic Map
Annual Report on Groundwater Monitoring, Area IV, 2025
Santa Susana Field Laboratory
Ventura County, California



- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- DOE RFI Site
- Road Centerline
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

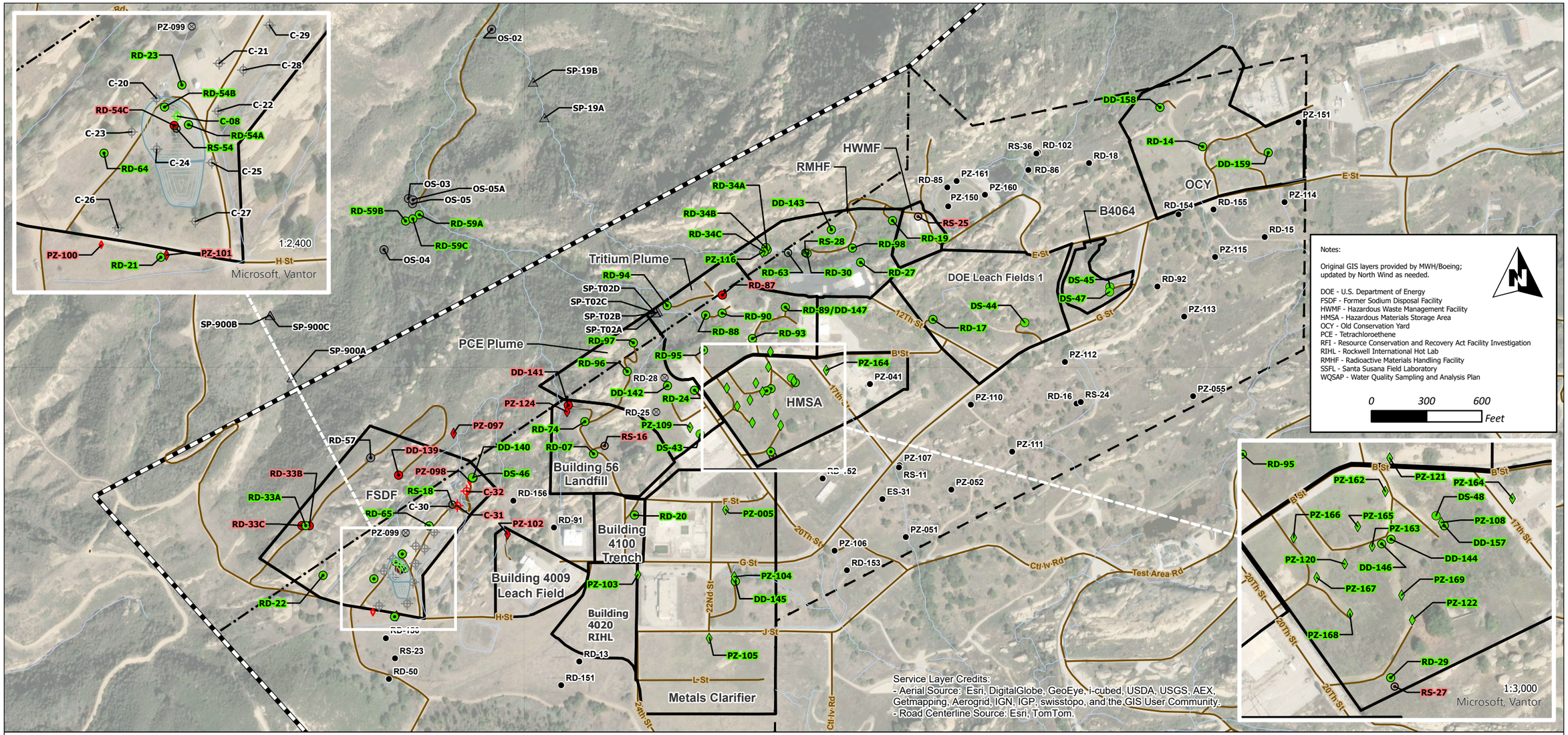
N

0 300 600 Feet

C:\Work\ETEC\Project\APRX\2025\Figure 3 2025 Q3 Location of Wells.aprx 1/19/2026

NORTHWIND PORTAGE, INC.

FIGURE 3
LOCATION OF WELLS, PIEZOMETERS, AND SEEPS, ANNUAL REPORT 2025
Santa Susana Field Laboratory, Area IV,
Ventura County, California



2025 Wells Originally Selected but not Sampled

- Not Sampled Groundwater Monitoring Well in Chadsworth Formation
- Not Sampled Perched Groundwater Monitoring Wells
- Not Sampled Corehole
- Not Sampled Perched Piezometers
- Not Sampled Piezometers Near the Surface

2025 Wells Originally Selected and Sampled

- Sampled Groundwater Monitoring Wells in Chatsworth Formation
- Sampled Groundwater Monitoring Wells Near the Surface
- Sampled Perched Groundwater Monitoring Wells
- FSDF Corehole
- Sampled Piezometers Near the Surface

Wells Not Selected for Sampling

- Groundwater Monitoring Well in Chatsworth Formation
- Corehole
- Seeps
- Well/Piezometer (not in DOE WQSAP monitoring program)

- Abandoned Well
- DOE RFI Site
- Road Centerline
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond
- Drainage

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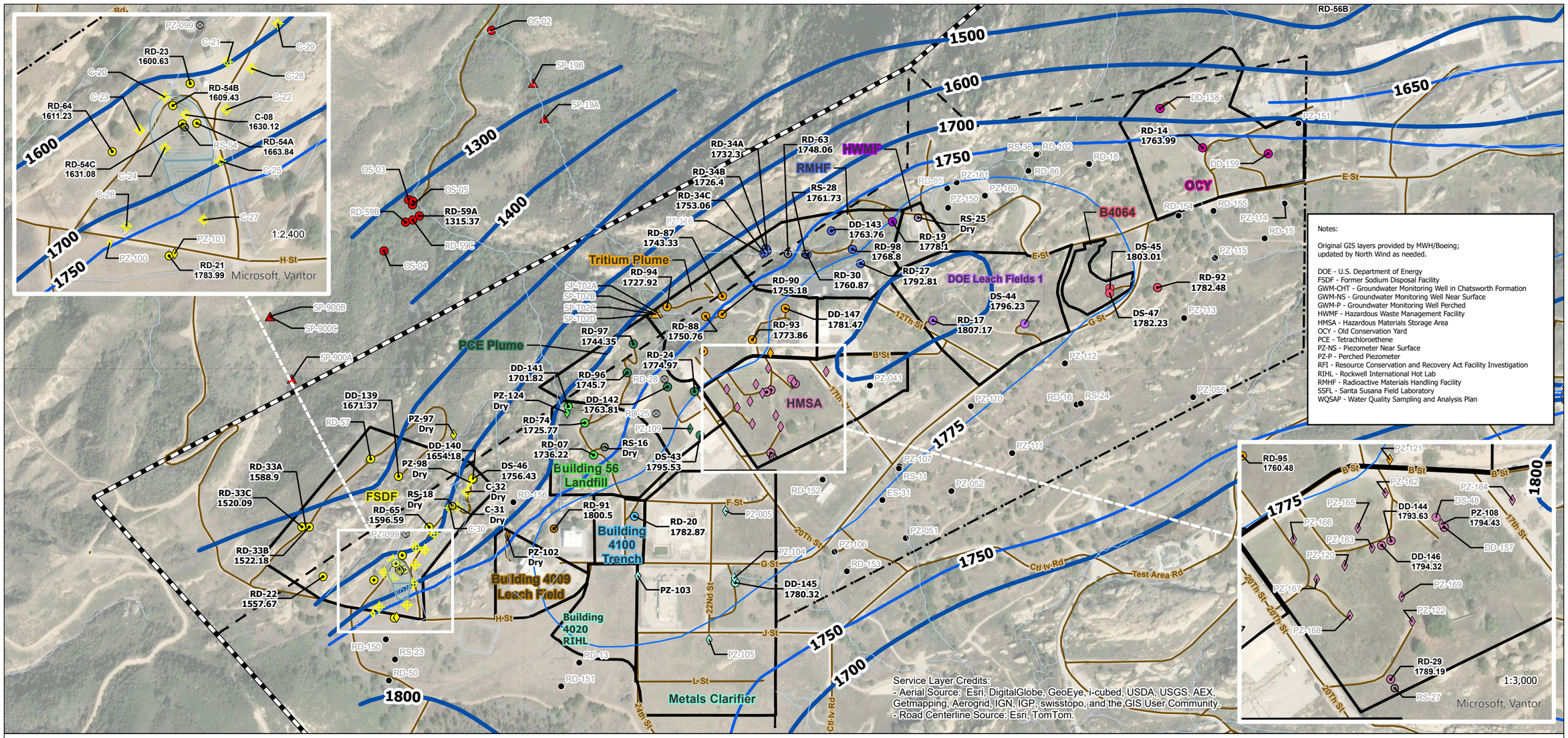
NORTHWIND PORTAGE, INC.

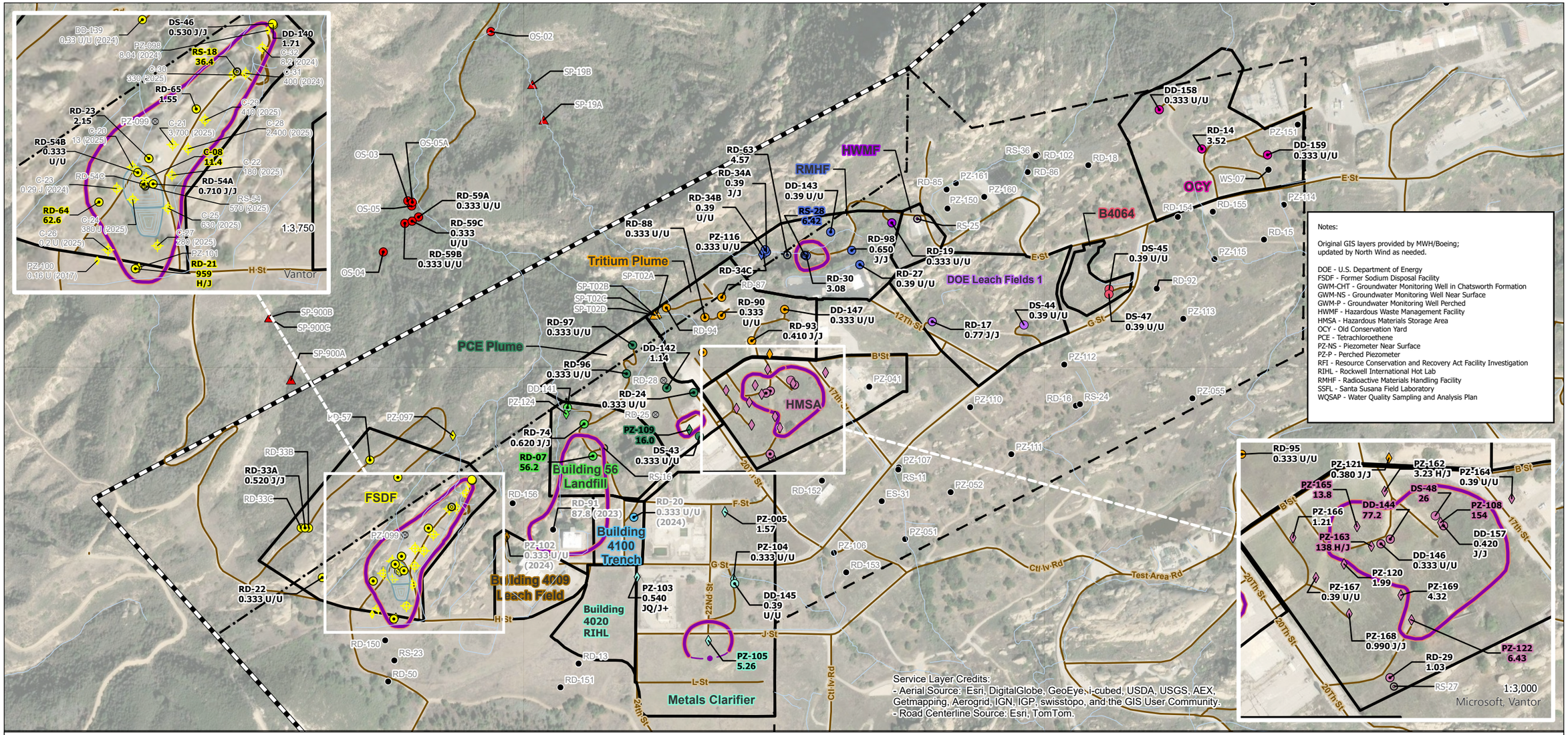
FIGURE 4
SITE-WIDE PROGRAM MONITORING LOCATIONS, 2025 SAMPLING
Santa Susana Field Laboratory, Area IV,
Ventura County, California



C:\Work\ETEC\Project\APRX\2025\Figure 5 2025 Q3 GW Contours.aprx 1/19/2026

NORTHWIND PORTAGE, INC.

FIGURE 5
GROUNDWATER ELEVATION CONTOUR MAP, ANNUAL REPORT 2025
Santa Susana Field Laboratory, Area IV,
Ventura County, California



- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Well/Piezometer (not in DOE WQSAP monitoring program)
- Drainage
- DOE RFI Site
- Road Centerline
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

Trichlorethene (TCE) in Groundwater above Primary MCL of 5 ug/L

- TEC Inferred Boundary above 5 ug/L
- TCE Boundary above 5 ug/L

PZ-109 (Well ID)
16.0 (Concentration in ug/L)

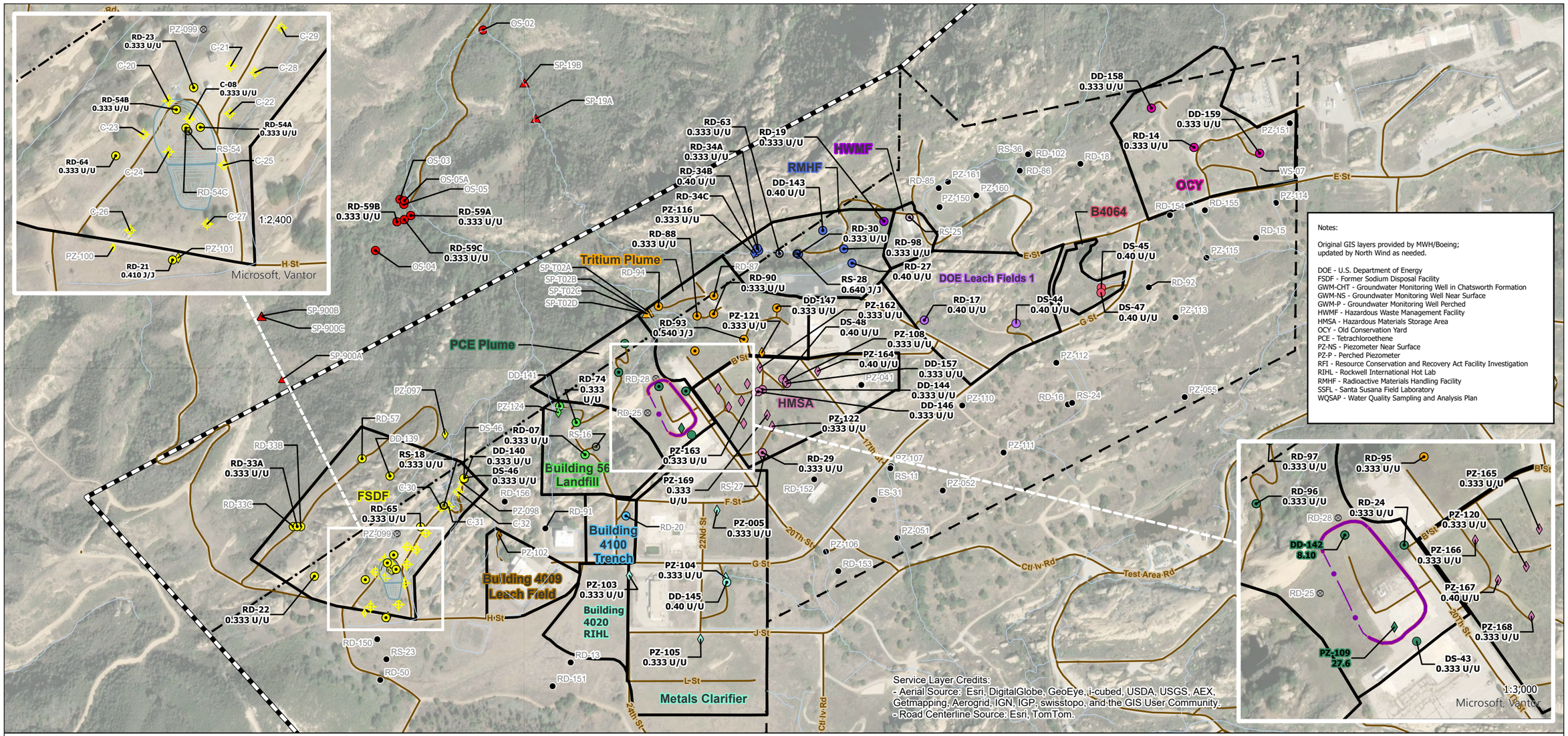
Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

C:\Work\ETEC\Project\APRX\2025\Analytical\Figure_6_2025_Annual_TCE.aprx 1/29/2026

NORTHWIND PORTAGE, INC.

FIGURE 6
Extent of TCE in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



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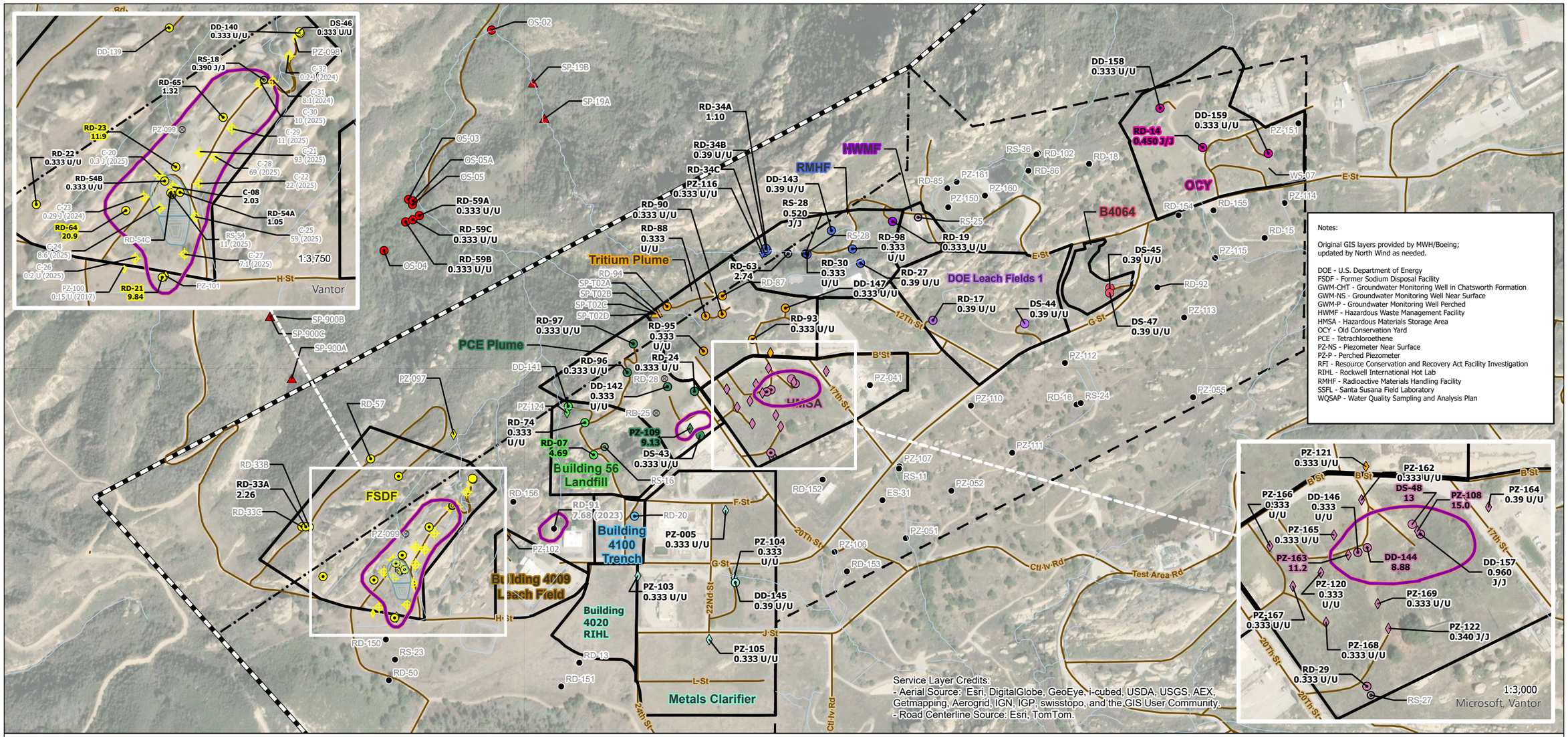
NORTHWIND PORTAGE, INC.

FIGURE 7
Extent of PCE in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



Notes:

Original GIS layers provided by MWH/Boeing;
updated by North Wind as needed.

DOE - U.S. Department of Energy
FSDF - Former Sodium Disposal Facility
GWM-CHT - Groundwater Monitoring Well in Chatsworth Formation
GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
RMHF - Radioactive Materials Handling Facility
SSFL - Santa Susana Field Laboratory
WQSAP - Water Quality Sampling and Analysis Plan

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- DOE RFI Site
- Road Centerline
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

cis-1,2-Dichloroethene in Groundwater above Primary MCL of 6 ug/L

- cis-1,2-Dichloroethene Inferred Boundary above 6 ug/L
- cis-1,2-Dichloroethene Boundary above 6 ug/L

RD-23 **(Well ID)**
11.9 **(Concentration in ug/L)**

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents

0 300 600 Feet

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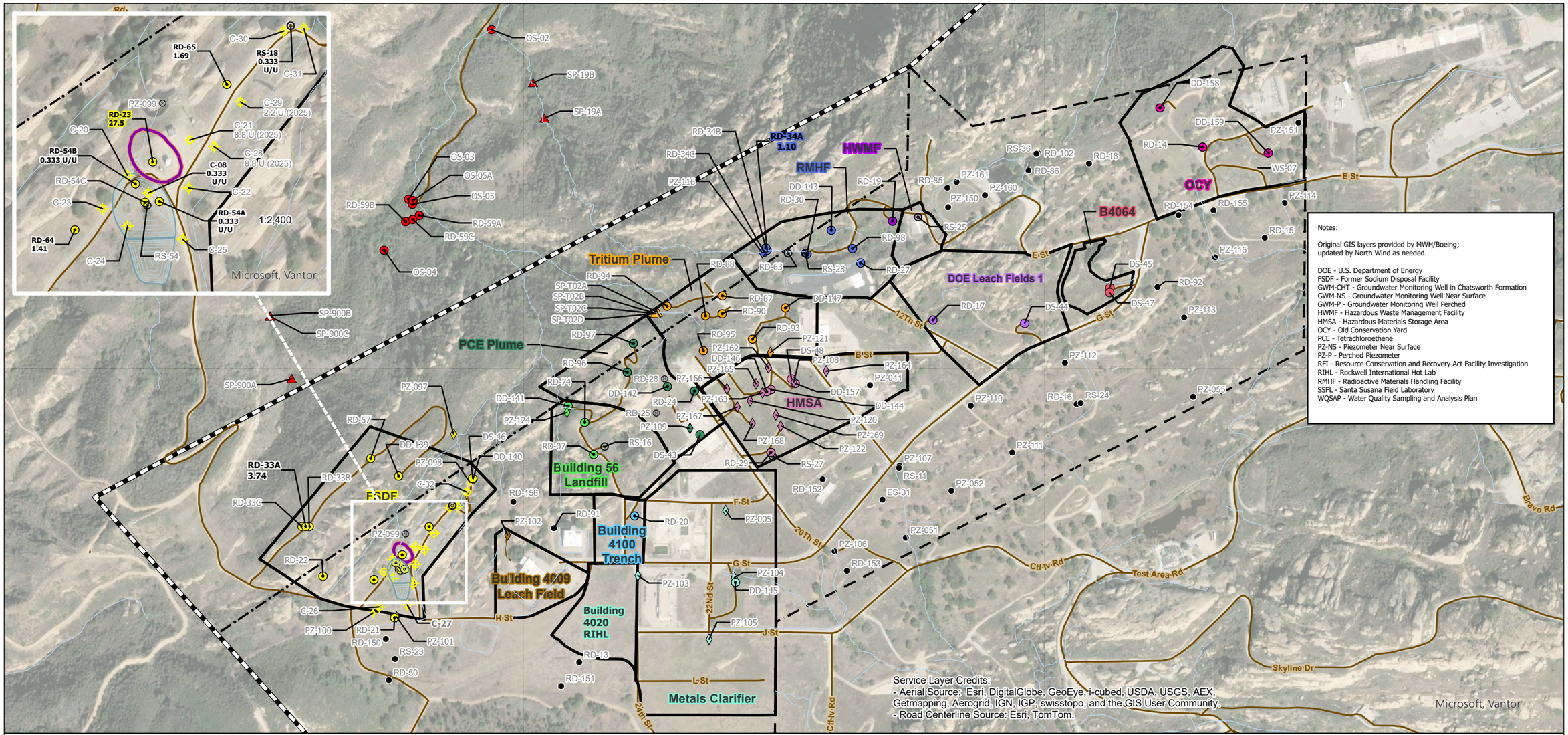
NORTHWIND PORTAGE, INC.

FIGURE 8
Extent of CIS-1,2-Dichloroethene in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California

RD-93 Historical Data
0.54 (Year in parentheses)



Notes:

Original GIS layers provided by MWH/Boeing; updated by North Wind as needed.

DOE - U.S. Department of Energy
FSDF - Former Sodium Disposal Facility
GWM-CHT - Groundwater Monitoring Well in Chatsworth Formation
GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
RMHF - Radioactive Materials Handling Facility
SSFL - Santa Susana Field Laboratory
WQSAP - Water Quality Sampling and Analysis Plan

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- DOE RFI Site
- Road Centerline
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

Trans 1,2 Dichloroethene in Groundwater above Primary MCL of 10 ug/L

- Trans 1,2 Dichloroethene Inferred Boundary above 10 ug/L
- Trans 1,2 Dichloroethene Boundary above 10 ug/L

RD-23 (Well ID)
27.5 (Concentration in ug/L)

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

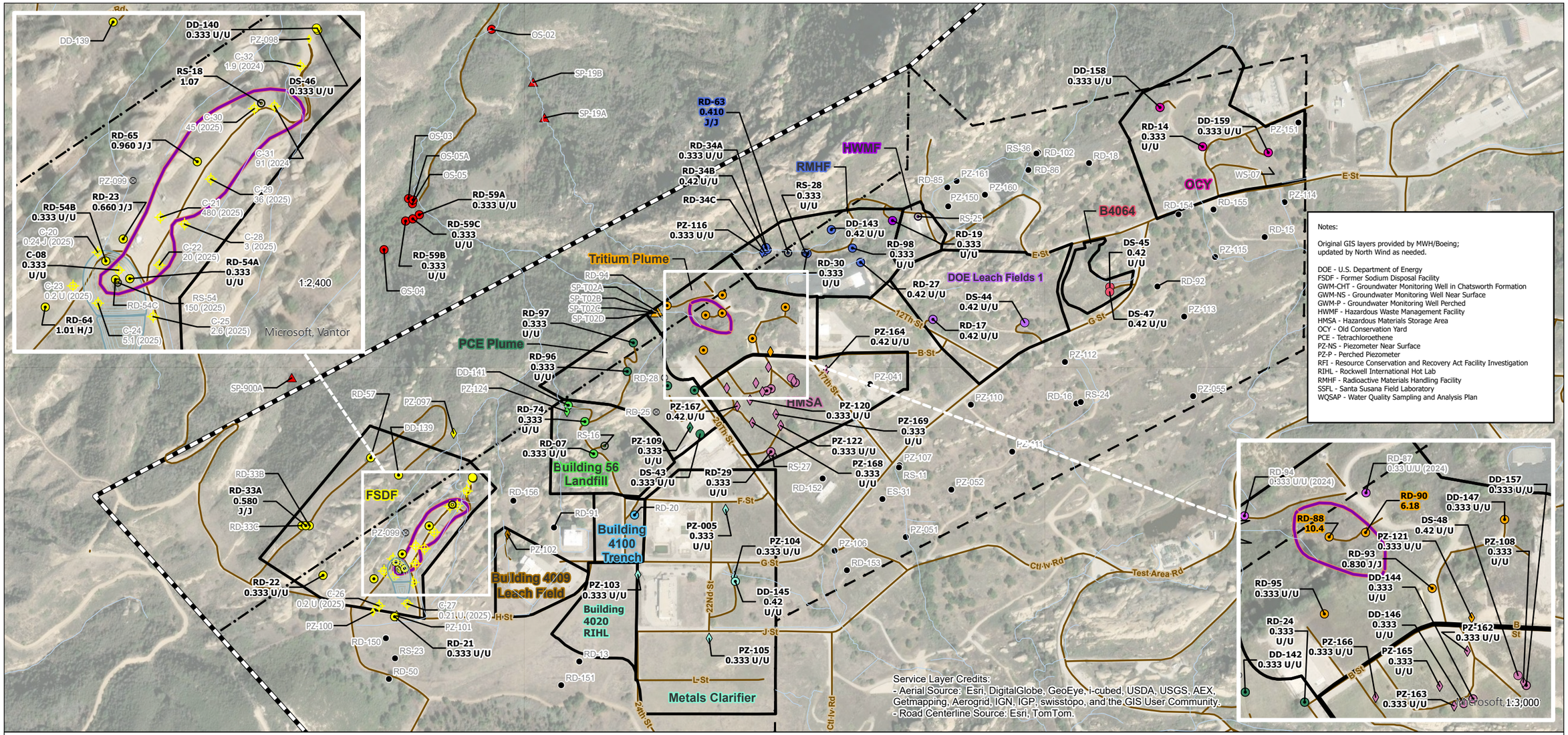
N

0 300 600 Feet

C:\Work\ETEC\Project\APRX\2025\Analytical\Figure_9_Annual_trans_1_2_Dichloroethene.aprx 1/20/2026

NORTHWIND PORTAGE, INC.

FIGURE 9
Extent of Trans 1,2 Dichloroethene in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

1,1 Dichloroethene in Groundwater above Primary MCL of 6 ug/L

- 1,1 Dichloroethene Inferred Boundary above 6 ug/L
- 1,1 Dichloroethene Boundary above 6 ug/L

RD-88 **(Well ID)**
10.4 **(Concentration in ug/L)**

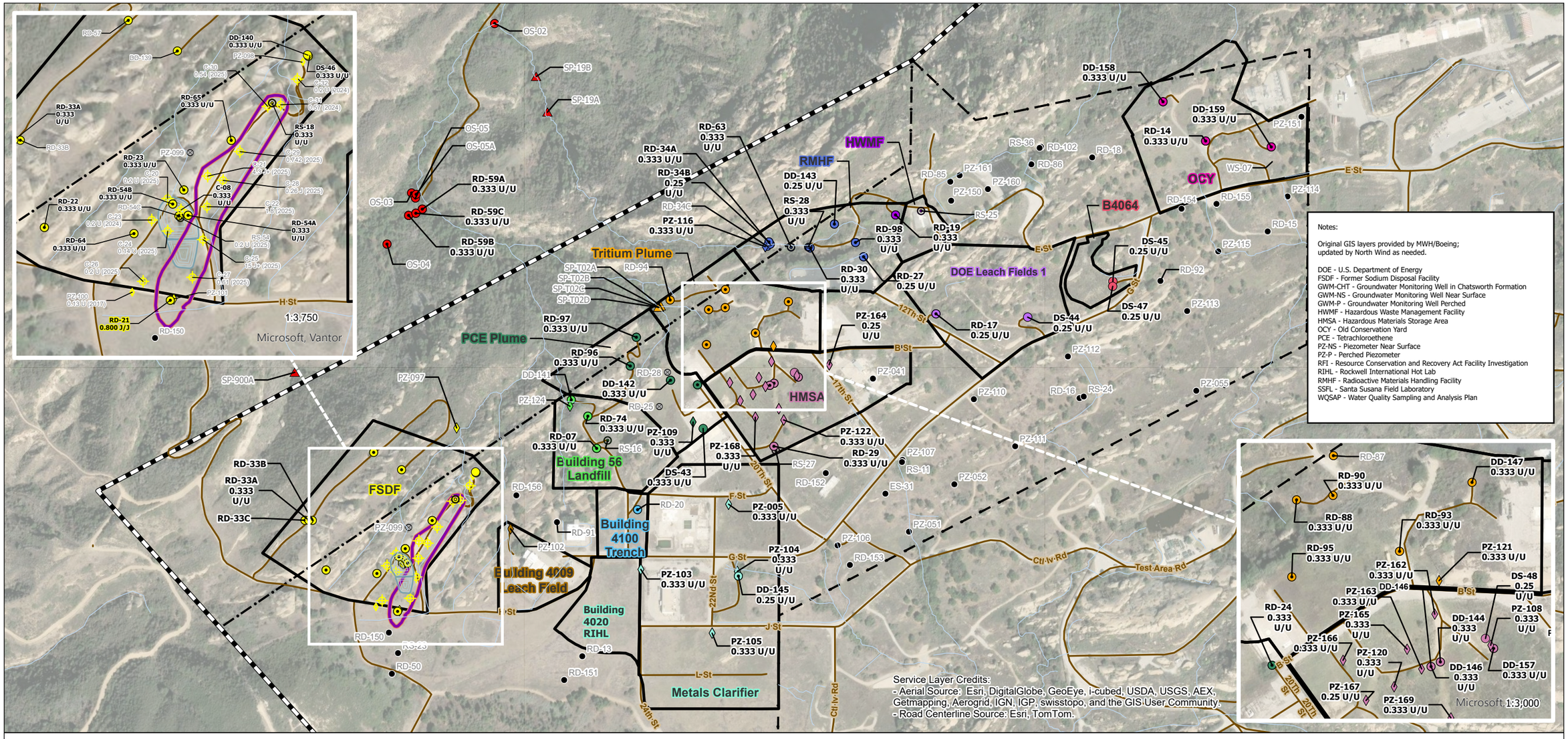
Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

C:\Work\ETEC\Project\APRX\2025\Analytical\Fiugre_10_2025_Annual_1_1_Dichloroethene.aprx 1/20/2026

NORTHWIND PORTAGE, INC.

FIGURE 10
Extent of 1,1 Dichloroethene in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



Notes:

Original GIS layers provided by MWH/Boeing; updated by North Wind as needed.

DOE - U.S. Department of Energy
FSDF - Former Sodium Disposal Facility
GWM-CHT - Groundwater Monitoring Well in Chatsworth Formation
GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
RMHF - Radioactive Materials Handling Facility
SSFL - Santa Susana Field Laboratory
WQSAP - Water Quality Sampling and Analysis Plan

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Building 4009 Leach Field, PZ-NS
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

1,2 Dichloroethane in Groundwater above Primary MCL of 0.5 ug/L

- 1,2 Dichloroethane Boundary above 0.5 ug/L

RD-21 (Well ID)
0.800 (Concentration in ug/L)

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

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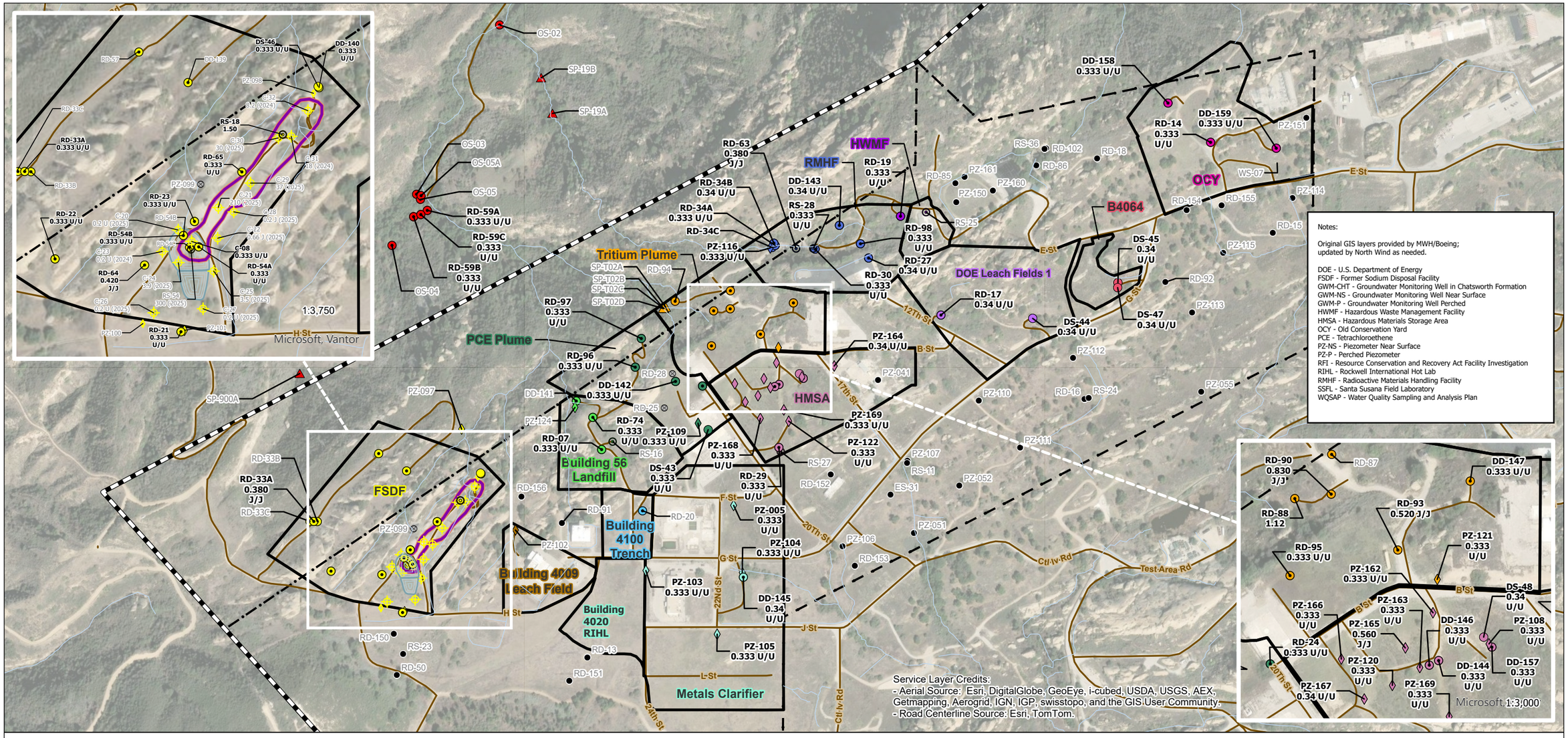
NORTHWIND PORTAGE, INC.

FIGURE 11
Extent of 1,2 Dichloroethane in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



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GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
RMHF - Radioactive Materials Handling Facility
SSFL - Santa Susana Field Laboratory
WQSAP - Water Quality Sampling and Analysis Plan

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4009 Leach Field, PZ-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

1,1 Dichloroethane in Groundwater above Primary MCL of 5 ug/L

- 1,1 Dichloroethane Inferred Boundary above 5 ug/L
- 1,1 Dichloroethane Boundary above 5 ug/L

RS-18 (Well ID)
1.50 (Concentration in ug/L)

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

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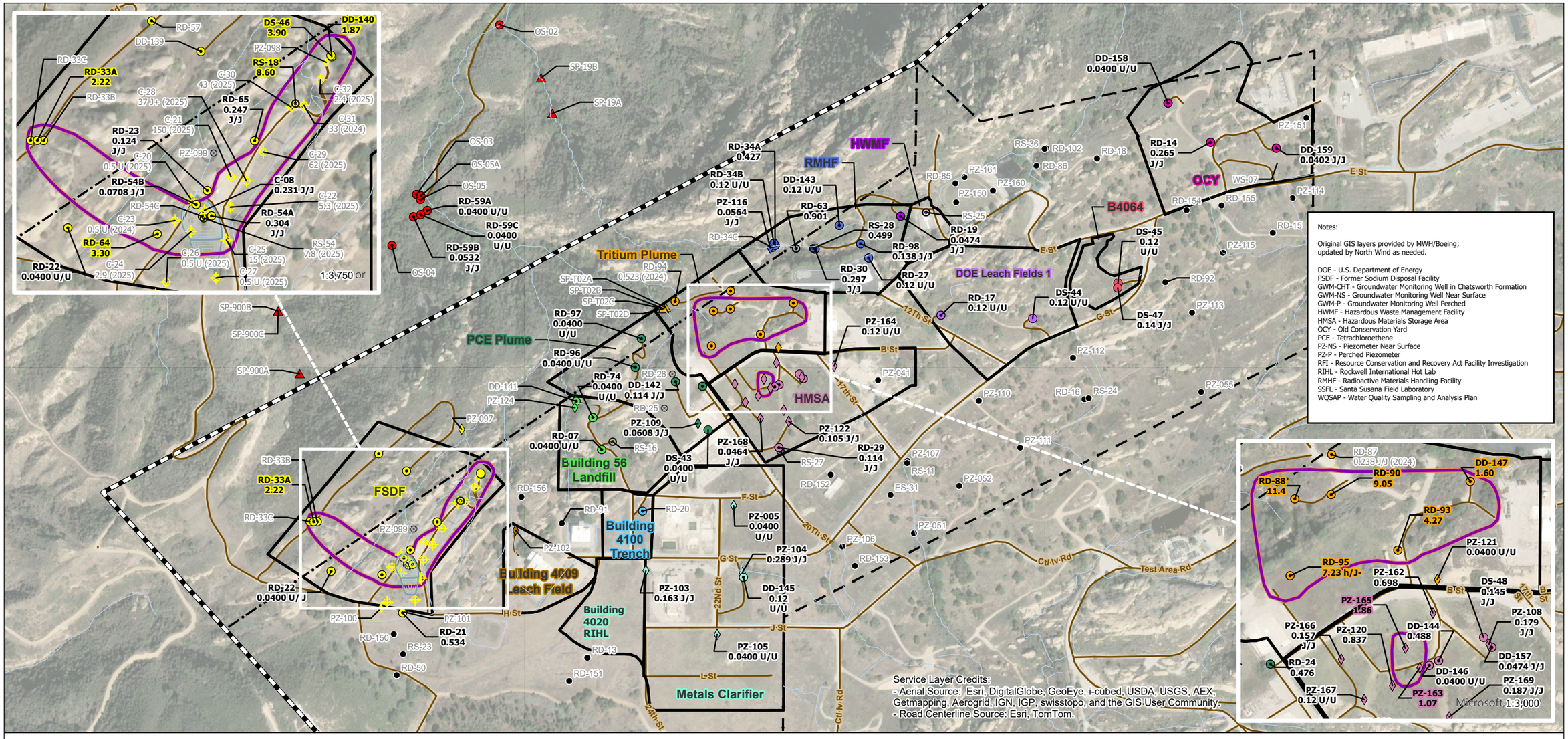
NORTHWIND PORTAGE, INC.

FIGURE 12
Extent of 1,1 Dichloroethane in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



Notes:

Original GIS layers provided by MWH/Boeing;
updated by North Wind as needed.

DOE - U.S. Department of Energy
FSDF - Former Sodium Disposal Facility
GWM-CHT - Groundwater Monitoring Well in Chatsworth Formation
GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
RMHF - Radioactive Materials Handling Facility
SSFL - Santa Susana Field Laboratory
WQSAP - Water Quality Sampling and Analysis Plan

Service Layer Credits:
- Aerial Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.
- Road Centerline Source: Esri, TomTom.

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4009 Leach Field, PZ-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

1,4 Dioxane in Groundwater above Primary MCL of 1 ug/L
- 1,4 Dioxane Inferred Boundary above 1 ug/L
- 1,4 Dioxane Boundary above 1 ug/L

RD-88 **(Well ID)**
11.4 **(Concentration in ug/L)**

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

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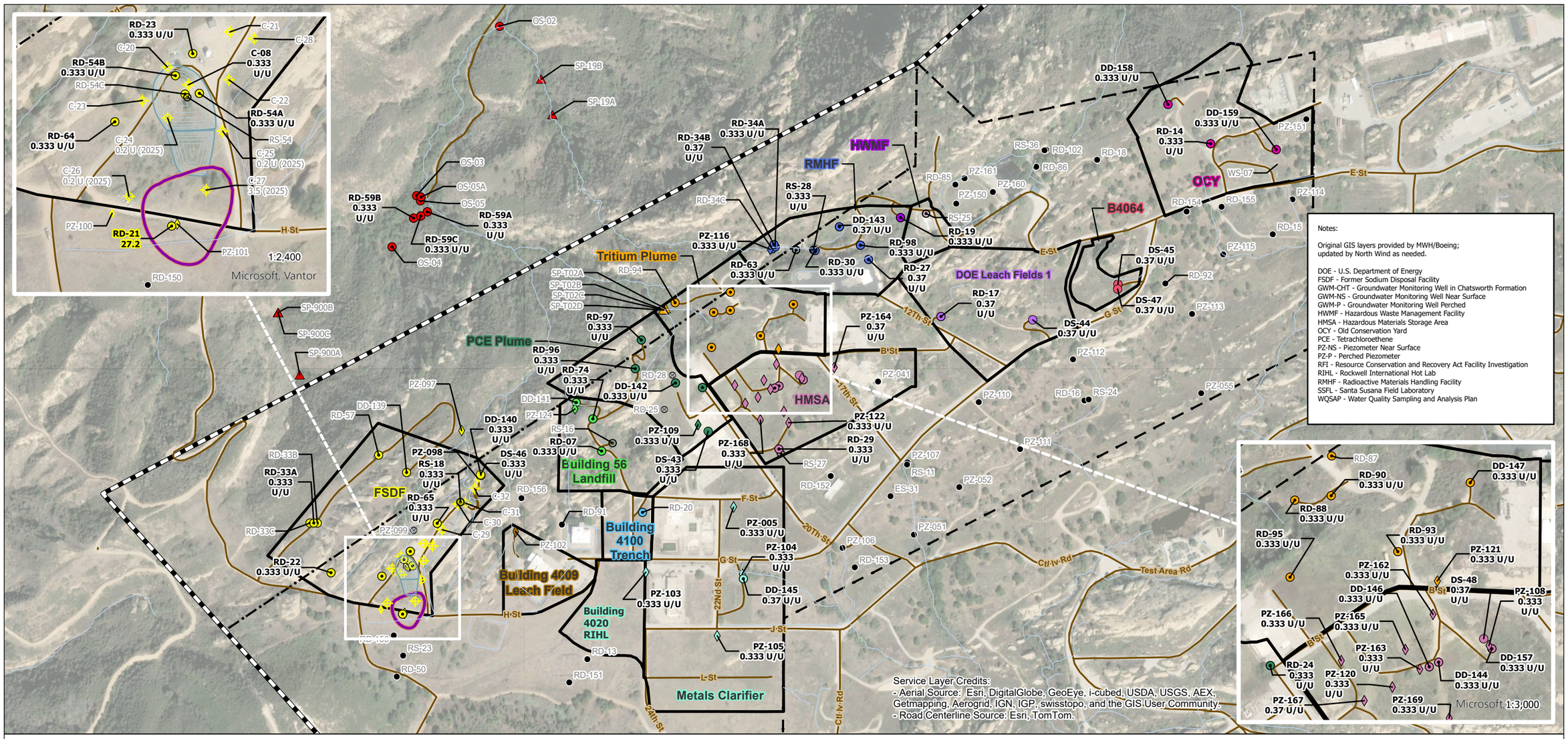
NORTHWIND PORTAGE, INC.

FIGURE 13
Extent of 1,4 Dioxane in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4009 Leach Field, PZ-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

Carbon Tetrachloride in Groundwater above Primary MCL of 0.5 ug/L

Carbon Tetrachlordie Boundary above 0.5 ug/L

RD-21 **(Well ID)**
27.2 **(Concentration in ug/L)**

Gray well IDs indicate wells not sampled during the 2025 sampling events reported here; historical data and/or data collected under the 2025 FSDF GWIM program (CDM Smith 2025a) are provided where relevant to bound plume extents.

0 300 600 Feet

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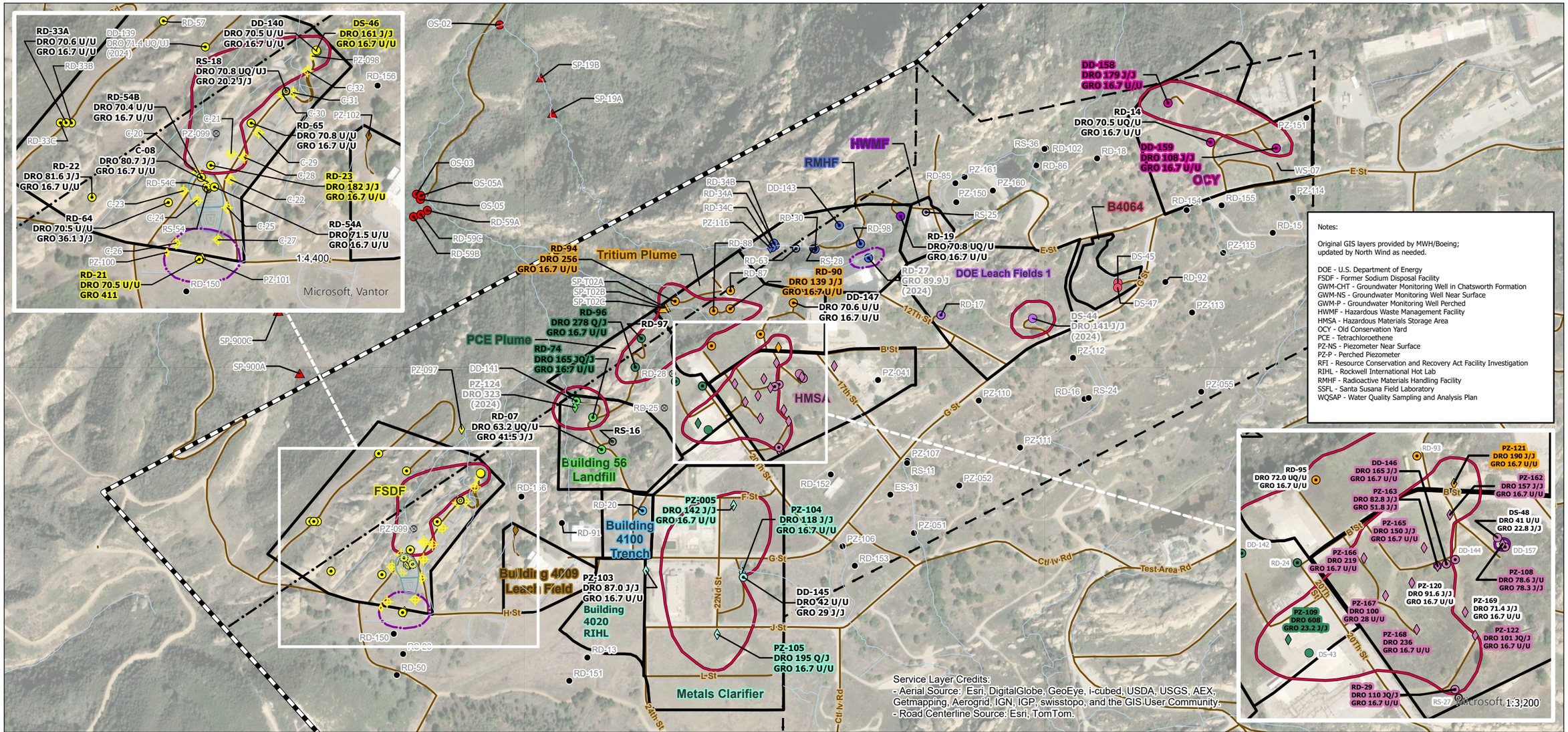
NORTHWIND PORTAGE, INC.

FIGURE 14
Extent of Carbon Tetrachloride in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4009 Leach Field, PZ-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

DRO & GRO in Groundwater above Primary MCL
- DRO Boundary above 100 ug/L
- GRO Inferred Boundary above 50 ug/L
- GRO Boundary above 50 ug/L

PZ-105 **(Well ID)**
195 Q/J **(DRO Concentration in ug/L)**
16.7 U/U **(GRO Concentration in ug/L)**
RD-27 **(Historical Data)**
GRO 89.9 J **(DRO or GRO Concentration in ug/L)**
2024 **(Year)**

N
0 300 600
Feet

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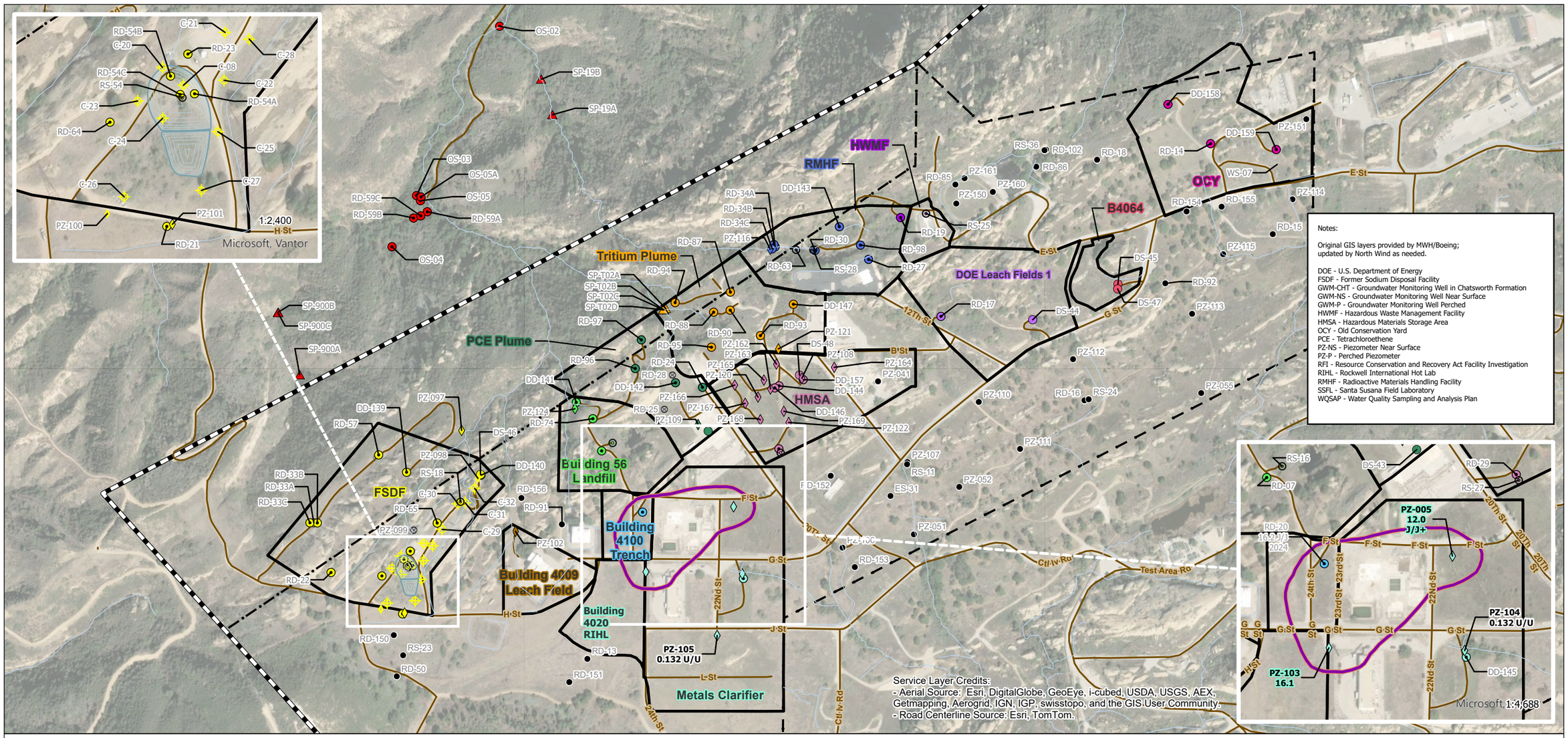
NORTHWIND PORTAGE, INC.

FIGURE 15
Extent of Total Petroleum Hydrocarbons C4-C30 in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



Notes:

Original GIS layers provided by MWH/Boeing;
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DOE - U.S. Department of Energy
FSDF - Former Sodium Disposal Facility
GWM-CHT - Groundwater Monitoring Well in Chatsworth Formation
GWM-NS - Groundwater Monitoring Well Near Surface
GWM-P - Groundwater Monitoring Well Perched
HWMF - Hazardous Waste Management Facility
HMSA - Hazardous Materials Storage Area
OCY - Old Conservation Yard
PCE - Tetrachloroethene
PZ-NS - Piezometer Near Surface
PZ-P - Perched Piezometer
RFI - Resource Conservation and Recovery Act Facility Investigation
RIHL - Rockwell International Hot Lab
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- Road Centerline Source: Esri, TomTom.

- Well/Piezometer (not in DOE WQSAP monitoring program)
- Abandoned Well
- Buildings 4030 and 4093 Leach Fields, GMW-CHT
- Buildings 4030 and 4093 Leach Fields, GMW-NS
- Building 4009 Leach Field, PZ-NS
- Building 4064 Leach Field, GMW-NS
- Building 4100 Trench, GMW-CHT
- Building 56 Landfill, GMW-CHT
- Building 56 Landfill, PZ-NS
- Building 56 Landfill, GMW-P
- Building 4133 (HWMF), GMW-CHT
- Building 4133 (HWMF), GMW-P
- Buildings 4057/4059/4626 PCE Plume GMW-CHT
- Buildings 4057/4059/4626 PCE Plume GMW-NS
- Buildings 4057/4059/4626 PCE Plume, PZ-NS
- FSDF Core Hole
- FSDF GMW-CHT
- FSDF, GWM-NS
- FSDF, GMW-P
- FSDF, PZ-NS
- FSDF, PZ-P
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, P-NS
- Building 4065/DOE Leach Fields 3 (Metals Clarifier) Or Building 4020 RIHL, GMW-CHT
- RMHF, GMW-CHT
- RMHF, GWM-P
- RMHF, PZ-NS
- HMSA, GMW-CHT
- HMSA, GMW-NS
- HMSA, GMW-P
- HMSA, P-NS
- Tritium Plume, GMW-CHT
- Tritium Plume, PZ-NS
- Tritium Plume, Seep
- Old Conservation Yard, GMW-CHT
- Offsite Seep
- OffSite, GMW-CHT
- Drainage
- Road Centerline
- DOE RFI Site
- SSFL Property Boundary
- Area IV Boundary
- Former FSDF Pond

Nitrate in Groundwater above Primary MCL of 10 ug/L

- Nitrate Boundary above 10 ug/L

PZ-103 **(Well ID)**
16.1 **(Concentration in ug/L)**

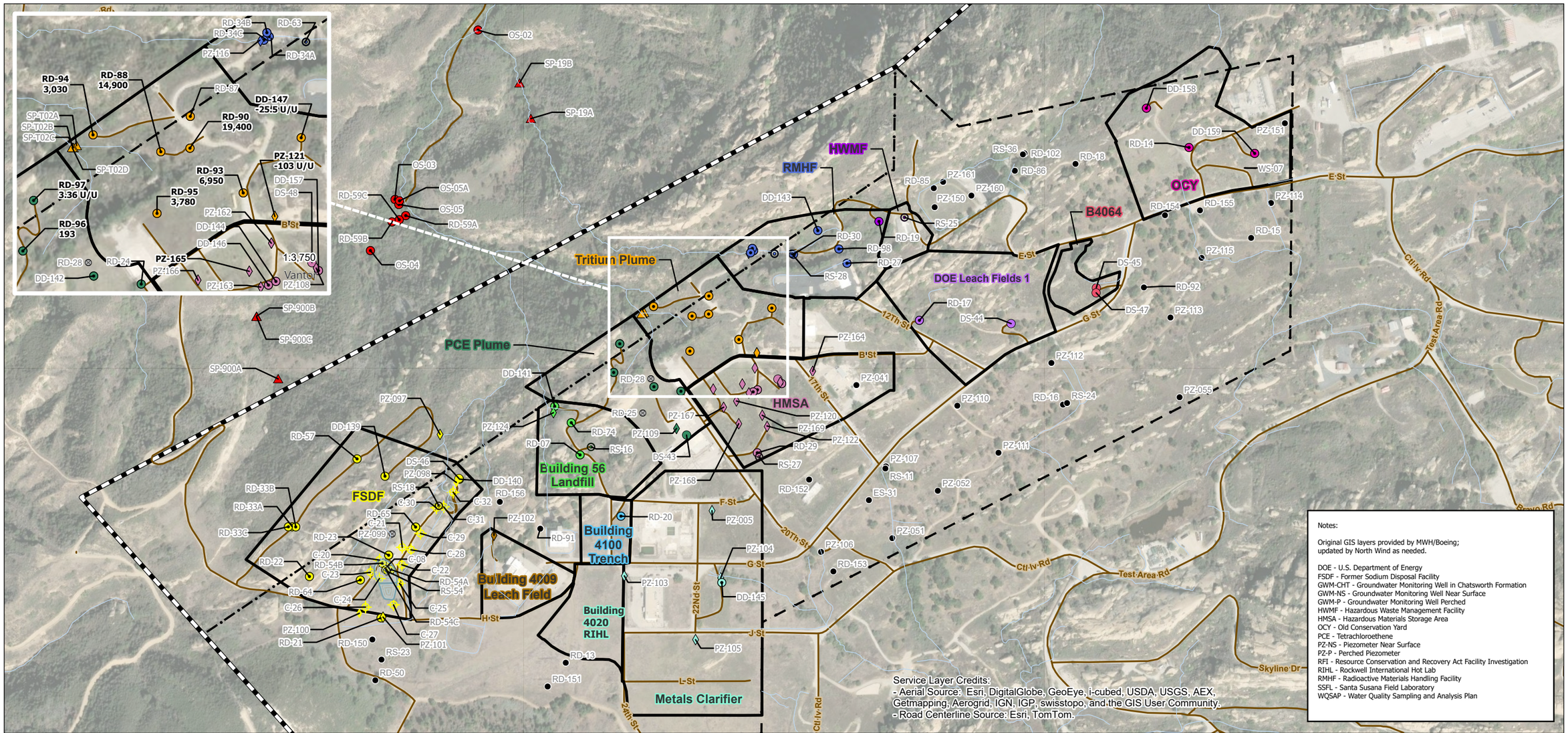
RD-20 **(Well ID - Historical Data)**
16.2 J/J **(Concentration in ug/L)**
2024 **(Year)**

0 300 600 Feet

C:\Work\ETEC\Project\APRX\2025\Analytical\Fiugre_16_2025_Annual_Nitrate.aprx 1/20/2026

NORTHWIND PORTAGE, INC.

FIGURE 16
Extent of Nitrate in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory,
Ventura County, California



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NORTHWIND PORTAGE, INC.

FIGURE 17
Extent of Tritium in Groundwater
Annual Report on Groundwater Monitoring Area IV, 2025
Santa Susana Field Laboratory
Ventura County, California

TABLES

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TABLE 1
LIST OF DOE WELLS - SITE-WIDE GROUNDWATER MONITORING PROGRAM, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sampling Program[1]	Groundwater Impact Area	2025 Site-Wide Monitoring	Site-Wide Gauging Program
C-08	RFI	FSDF B4886	Q1	No
C-31	RFI	FSDF B4886	Q3 (Dry)	No
C-32	RFI	FSDF B4886	Q3 (Dry)	No
PZ-005	RFI	MC/DOE LF3	Q1	No
PZ-041	RFI	HMSA	No	No
PZ-097	S	FSDF B4886	Q1 (Dry) & Q3 (Dry)	Yes
PZ-098	RFI	FSDF B4886	Q1 (Dry) & Q3 (Dry)	No
PZ-100	RFI	FSDF B4886	Q1 (Dry) & Q3 (Dry)	No
PZ-101	RFI	FSDF B4886	Q1 (Dry) & Q3 (Dry)	No
PZ-102	RFI	MC/DOE LF2	Q1 (Dry) & Q3 (Dry)	No
PZ-103	RFI	MC/DOE LF3	Q1 & Q3	No
PZ-104	RFI	MC/DOE LF3	Q1 & Q3	No
PZ-105	RFI	MC/DOE LF3	Q1 & Q3	No
PZ-108	S	B4457 HMSA	Q1	Yes
PZ-109	RFI	B4057/4059/4626	Q1	No
PZ-116	RFI	RMHF	Q1 & Q3	No
PZ-120	RFI	B4457 HMSA	Q1	No
PZ-121	RFI	B4457 HMSA	Q1 & Q3	No
PZ-122	RFI	B4457 HMSA	Q1	No
PZ-124	S	B56 Landfill	Q1 (Dry) & Q3 (Dry)	Yes
PZ-162	RFI	HMSA	Q1	No
PZ-163	RFI	HMSA	Q1 & Q3	No
PZ-164	RFI	HMSA/PDU	Q3	No
PZ-165	RFI	HMSA/PDU	Q1	No
PZ-166	RFI	HMSA/PDU	Q1	No
PZ-167	RFI	HMSA/PDU	Q3	No
PZ-168	RFI	HMSA/PDU	Q1	No
PZ-169	RFI	HMSA/PDU	Q1	No
RD-07	S	B56 Landfill	Q1	Yes
RD-14	S	Old Conservation Yard	Q1 & Q3	Yes
RD-17	RFI	B4030/4093 Leachfields	Q3	Yes
RD-19	S	B4133	Q1 & Q3	Yes
RD-20	S	B4100 Trench	Q3	Yes
RD-21	RFI	FSDF B4886	Q1 & Q3	Yes
RD-22	RFI	FSDF B4886	Q1 & Q3	Yes
RD-23	RFI	FSDF B4886	Q1	Yes
RD-24	RFI	B4057/4059/4626	Q1 & Q3	Yes
RD-27	RFI	RMHF	Q3	Yes
RD-29	RFI	B4457 HMSA	Q1 & Q3	Yes
RD-30	RFI	RMHF	Q1	Yes
RD-33A	S	FSDF B4886	Q1	Yes
RD-33B	S	FSDF B4886	No	Yes
RD-33C	S	FSDF B4886	No	Yes
RD-34A	S	RMHF	Q1	Yes
RD-34B	S	RMHF	Q3	Yes
RD-34C	S	RMHF	Q3	Yes
RD-54A	S	FSDF B4886	Q1 & Q3	Yes
RD-54B	RFI	FSDF B4886	Q1	Yes
RD-54C	RFI	FSDF B4886	Q3 (Dry)	Yes
RD-59A	S	Offsite	Q1	Yes
RD-59B	S	Offsite	Q1	Yes
RD-59C	S	Offsite	Q1	Yes
RD-63	S	RMHF	Q1	Yes
RD-64	RFI	FSDF B4886	Q1	Yes
RD-65	RFI	FSDF B4886	Q1	Yes
RD-74	RFI	B56 Landfill	Q1 & Q3	Yes
RD-87	RFI	Tritium Plume	No	Yes
RD-88	RFI	Tritium Plume	Q1	Yes
RD-90	RFI	Tritium Plume	Q1	Yes
RD-91	S	B4100	No	Yes
RD-93	RFI	Tritium Plume	Q1 & Q3	Yes
RD-94	RFI	Tritium Plume	Q1	Yes
RD-95	RFI	Tritium Plume	Q1 & Q3	Yes
RD-96	S	B4057/4059/4626	Q1	Yes
RD-97	RFI	B4057/4059/4626	Q1	Yes
RD-98	RFI	RMHF	Q1 & Q3	Yes
RS-16	RFI	B56 Landfill	Q1 (Dry) & Q3 (Dry)	Yes
RS-18	S	FSDF B4886	Q1 & Q3 (Dry)	Yes
RS-23	RFI	FSDF B4886	No	No
RS-25	RFI	B133	Q1 (Dry) & Q3 (Dry)	Yes
RS-27	RFI	B4457 HMSA	Q3 (Dry)	Yes
RS-28	RFI	RMHF	Q1	Yes
RS-54	RFI	FSDF B4886	Q3	No
DS-43	RFI	B4057/4059/4626	Q1	No
DS-44	RFI	B4030/4093 Leachfields	Q3	No
DS-45	RFI	B4064	Q3	No
DS-46	RFI	FSDF B4886	Q1	No
DS-47	RFI	B4064	Q3	No
DS-48	RFI	B4457 HMSA	Q1 & Q3	No
DD-139	RFI	FSDF B4886	No	No
DD-140	RFI	FSDF B4886	Q1	No
DD-141	RFI	B56 Landfill	Q3	No
DD-142	RFI	B4057/4059/4626	Q1 & Q3	No
DD-143	RFI	RMHF	Q3	No
DD-144	RFI	B4457 HMSA	Q1	No
DD-145	RFI	MC/DOE LF3	Q3	No

TABLE 1
LIST OF DOE WELLS - SITE-WIDE GROUNDWATER MONITORING PROGRAM, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Sampling Program[1]	Groundwater Impact Area	2025 Site-Wide Monitoring	Site-Wide Gauging Program
DD-146	RFI	B4457 HMSA	Q1	No
DD-147[2] (Formerly RD-89)	RFI	Tritium Plume	Q1	Yes
DD-157	RFI	B4457 HMSA	Q1	No
DD-158	RFI	Old Conservation Yard	Q1 & Q3	No
DD-159	RFI	Old Conservation Yard	Q1 & Q3	No
Seeps and Springs[3]	**Sampling Program**[1]	**Nearest Groundwater Impact Area**	**Quarter Sampled**	
SP-900A	N/A	FSDF B4886	N/A	N/A
SP-900B	N/A	FSDF B4886	Q2	N/A
SP-900C	N/A	FSDF B4886	Q2	N/A
SP-19A	N/A	Tritium Plume	Q2	N/A
SP-19B	N/A	Tritium Plume	Q2	N/A
SP-T02A	N/A	Tritium Plume	Q2	N/A
SP-T02B	N/A	Tritium Plume	Q2	N/A
SP-T02C	N/A	Tritium Plume	Q2	N/A
SP-T02D	N/A	Tritium Plume	Q2	N/A
SP-424A	N/A	RMHF	Q2	N/A
SP-424B	N/A	RMHF	Q2	N/A
SP-424C	N/A	RMHF	Q2	N/A

NOTES AND ABBREVIATIONS

[1] Haley & Aldrich, 2010. Site-Wide Water Quality Sampling and Analysis Plan, Santa Susana Field Laboratory, Simi Hills, Ventura County, California, Revision 1, File No. 20090-456/556/656/M489. December.

[2] RD-89 was drilled to a deeper depth in May 2018. The well ID is now DD-147 and is 257 feet deep.

[3] Seeps and springs are monitored under a separate program.

--- - Water level only collected during a sampling event

FSDF - Former Sodium Disposal Facility

HMSA - Hazardous Materials Storage Area

MC/DOE LF3 - Metals Clarifier / DOE Leach Fields 3

N/A - not applicable

RMHF - Radioactive Materials Handling Facility

RFI - Resource Conservation and Recovery Act Facility Investigation (Collected as part of DOE Area IV GW RFI)

S - Included in Site-Wide Sampling Program

W - Included in Site-Wide Water Level Monitoring Program

TABLE 2
MODIFICATIONS TO MONITORING WELL NETWORK AND EQUIPMENT, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

WELL MAINTENANCE

Well ID	Monitoring Program	Quarter Identified	Issue Identification Date	Issue	Issue Resolution	Quarter Resolved	Issue Resolution Date
RD-34B	SW	2010/2011	2010/2011	Borehole obstruction at 167 feet below ground surface.	Groundwater samples have been collected using a pump placed immediately above the obstruction.	---	---
RD-54C	RFI	2025 Q3	8/26/2025	Pump was not working properly. Pump was left in the well, as removal posed a significant risk of becoming stuck.	Plan to remove pump prior to sampling the well again.	---	---
RD-57	SW	2016 Q1	3/10/2016	FLUTe was only partially removed due to an obstruction. Well cap welded shut.	Plan to remove FLUTe from well and redevelop well in the future.	---	---
RD-74	SW	2014 Q1	2/4/2014	Obstruction at approximately 95 ft bgs due to pump left in well. Total well depth is 101 feet.	Plan to remove obstruction, redrill, and redevelop well in the future.	---	---

EQUIPMENT MODIFICATIONS

Well ID	Monitoring Program	Quarter	Modification Date	Description
RD-14	SW	2025 Q1	3/17/2025	Removed dedicated low-flow pump out of well for PFAS investigation.
RD-34A	SW	2025 Q1	3/18/2025	Removed dedicated low-flow pump out of well for PFAS investigation.

WELL CONSTRUCTION

Well ID	Monitoring Program	Quarter	Completion Date	Description
PEW1-108	HMSA Pilot Study	2025 Q2/Q3	9/18/2025	HMSA Pilot Study performance monitoring.
PEW2-108	HMSA Pilot Study	2025 Q2/Q3	9/18/2025	HMSA Pilot Study performance monitoring.
PEW3-108	HMSA Pilot Study	2025 Q2/Q3	9/18/2025	HMSA Pilot Study performance monitoring.
PEW1-163	HMSA Pilot Study	2025 Q2/Q3	9/17/2025	HMSA Pilot Study performance monitoring.
PEW2-163	HMSA Pilot Study	2025 Q2/Q3	9/17/2025	HMSA Pilot Study performance monitoring.
PEW3-163	HMSA Pilot Study	2025 Q2/Q3	9/17/2025	HMSA Pilot Study performance monitoring.

WELL DEVELOPMENT

Well ID	Monitoring Program	Quarter	Development Date	Description
PEW1-108	HMSA Pilot Study	2025 Q2/Q3	9/18/2025	HMSA Pilot Study performance monitoring.
PEW2-108	HMSA Pilot Study	2025 Q2/Q3	9/22/2025	HMSA Pilot Study performance monitoring.
PEW3-108	HMSA Pilot Study	2025 Q2/Q3	9/22/2025	HMSA Pilot Study performance monitoring.
PEW1-163	HMSA Pilot Study	2025 Q2/Q3	9/19/2025	HMSA Pilot Study performance monitoring.
PEW2-163	HMSA Pilot Study	2025 Q2/Q3	9/18/2025	HMSA Pilot Study performance monitoring.
PEW3-163	HMSA Pilot Study	2025 Q2/Q3	9/19/2025	HMSA Pilot Study performance monitoring.

NOTES AND ABBREVIATIONS

SW - Well monitored under Site-Wide Program
--- - no data

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q1	C-08	Chatsworth	1843.02	2/12/2025	212.96	1630.06	none
Q2	C-08	Chatsworth	1843.02	4/18/2025	212.93	1630.09	none
Q3	C-08	Chatsworth	1843.02	8/8/2025	212.9	1630.12	none
Q4	C-08	Chatsworth	1843.02	10/16/2025	212.36	1630.66	none
Q3	C-31	Shallow	1804.84	8/7/2025	Dry	---	none
Q3	C-32	Shallow	1799.73	8/7/2025	Dry	---	none
Q1	DD-139	Chatsworth	1793.01	2/11/2025	106.15	1686.86	none
Q2	DD-139	Chatsworth	1793.01	4/18/2025	112.34	1680.67	none
Q3	DD-139	Chatsworth	1793.01	8/7/2025	121.64	1671.37	none
Q4	DD-139	Chatsworth	1793.01	10/16/2025	129.57	1663.44	none
Q1	DD-140	Chatsworth	1798.16	2/11/2025	140.51	1657.65	none
Q2	DD-140	Chatsworth	1798.16	4/18/2025	142.49	1655.67	none
Q3	DD-140	Chatsworth	1798.16	8/8/2025	143.98	1654.18	none
Q4	DD-140	Chatsworth	1798.16	10/15/2025	145.13	1653.03	none
Q1	DD-141	Chatsworth	1762.79	2/11/2025	59.71	1703.08	none
Q2	DD-141	Chatsworth	1762.79	4/18/2025	59.28	1703.51	none
Q3	DD-141	Chatsworth	1762.79	8/7/2025	60.97	1701.82	none
Q4	DD-141	Chatsworth	1762.79	10/15/2025	62.22	1700.57	none
Q1	DD-142	Chatsworth	1812.22	2/11/2025	46.56	1765.66	none
Q2	DD-142	Chatsworth	1812.22	4/18/2025	47.2	1765.02	none
Q3	DD-142	Chatsworth	1812.22	8/7/2025	48.41	1763.81	none
Q4	DD-142	Chatsworth	1812.22	10/15/2025	49.1	1763.12	none
Q1	DD-143	Chatsworth	1789.74	2/11/2025	26.23	1763.51	none
Q2	DD-143	Chatsworth	1789.74	4/17/2025	25.44	1764.30	none
Q3	DD-143	Chatsworth	1789.74	8/7/2025	25.98	1763.76	none
Q4	DD-143	Chatsworth	1789.74	10/15/2025	29.64	1760.10	none
Q1	DD-144	Chatsworth	1810.69	2/11/2025	16.26	1794.43	none
Q2	DD-144	Chatsworth	1810.69	4/18/2025	15.32	1795.37	none
Q3	DD-144	Chatsworth	1810.69	8/8/2025	17.06	1793.63	none
Q4	DD-144	Chatsworth	1810.69	10/15/2025	19.08	1791.61	none
Q1	DD-145	Chatsworth	1798.9	2/11/2025	16.79	1782.11	none
Q2	DD-145	Chatsworth	1798.9	4/18/2025	14.97	1783.93	none
Q3	DD-145	Chatsworth	1798.9	8/7/2025	18.58	1780.32	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q4	DD-145	Chatsworth	1798.9	10/15/2025	20.59	1778.31	none
Q1	DD-146	Chatsworth	1812.716	2/11/2025	17.72	1795.00	none
Q2	DD-146	Chatsworth	1812.716	4/18/2025	16.23	1796.49	none
Q3	DD-146	Chatsworth	1812.716	8/8/2025	18.4	1794.32	none
Q4	DD-146	Chatsworth	1812.716	10/15/2025	20.32	1792.40	none
Q1	DD-147	Chatsworth	1818.299	2/11/2025	34.9	1783.40	(1)
Q2	DD-147	Chatsworth	1818.299	4/18/2025	35.19	1783.11	(1)
Q3	DD-147	Chatsworth	1818.299	8/8/2025	36.83	1781.47	(1)
Q4	DD-147	Chatsworth	1818.299	10/15/2025	38.28	1780.02	(1)
Q1	DD-157	Chatsworth	1814.21	2/11/2025	16.59	1797.62	none
Q1	DD-158	Chatsworth	1832.09	2/11/2025	118.38	1713.71	none
Q1	DD-159	Chatsworth	1838.35	2/11/2025	66.55	1771.80	none
Q1	DS-43	Shallow	1809.52	2/11/2025	13.64	1795.88	none
Q2	DS-43	Shallow	1809.52	4/18/2025	13.12	1796.40	none
Q3	DS-43	Shallow	1809.52	8/7/2025	13.99	1795.53	none
Q4	DS-43	Shallow	1809.52	10/15/2025	14.74	1794.78	none
Q1	DS-44	Shallow	1851.21	2/12/2025	53.1	1798.11	none
Q2	DS-44	Shallow	1851.21	4/17/2025	54.01	1797.20	none
Q3	DS-44	Shallow	1851.21	8/7/2025	54.98	1796.23	none
Q4	DS-44	Shallow	1851.21	10/15/2025	58.26	1792.95	none
Q1	DS-45	Shallow	1866.58	2/12/2025	61.12	1805.46	none
Q2	DS-45	Shallow	1866.58	4/17/2025	62.06	1804.52	none
Q3	DS-45	Shallow	1866.58	8/7/2025	63.57	1803.01	none
Q4	DS-45	Shallow	1866.58	10/15/2025	64.5	1802.08	none
Q1	DS-46	Shallow	1797.79	2/11/2025	42.8	1754.99	none
Q2	DS-46	Shallow	1797.79	4/18/2025	40.36	1757.43	none
Q3	DS-46	Shallow	1797.79	8/8/2025	41.36	1756.43	none
Q4	DS-46	Shallow	1797.79	10/15/2025	42.73	1755.06	none
Q1	DS-47	Shallow	1867.94	2/12/2025	85.7	1782.24	none
Q2	DS-47	Shallow	1867.94	4/17/2025	85.67	1782.27	none
Q3	DS-47	Shallow	1867.94	8/7/2025	85.71	1782.23	none
Q4	DS-47	Shallow	1867.94	10/15/2025	86.34	1781.60	none
Q1	DS-48	Shallow	1814.46	2/11/2025	16.58	1797.88	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q1	PZ-005	Shallow	1800.97	2/11/2025	13.71	1787.26	none
Q1	PZ-005	Shallow	1800.97	2/24/2025	13.71	1787.26	none
Q1	PZ-097	Shallow	1761.87	2/11/2025	Dry	---	none
Q2	PZ-097	Shallow	1761.87	4/18/2025	Dry	---	none
Q3	PZ-097	Shallow	1761.87	8/7/2025	Dry	---	none
Q4	PZ-097	Shallow	1761.87	10/16/2025	Dry	---	none
Q1	PZ-098	Shallow	1797.78	2/11/2025	Dry	---	none
Q3	PZ-098	Shallow	1797.78	8/7/2025	Dry	---	none
Q1	PZ-100	Shallow	1870.11	2/11/2025	Dry	---	none
Q3	PZ-100	Shallow	1870.11	8/7/2025	Dry	---	none
Q1	PZ-101	Shallow	1869.71	2/11/2025	Dry	---	none
Q3	PZ-101	Shallow	1869.71	8/7/2025	Dry	---	none
Q1	PZ-102	Shallow	1827.78	2/11/2025	Dry	---	none
Q3	PZ-102	Shallow	1827.78	8/7/2025	Dry	---	none
Q1	PZ-103	Shallow	1815.93	2/11/2025	15.98	1799.95	none
Q1	PZ-104	Shallow	1797.47	2/11/2025	13.7	1783.77	none
Q1	PZ-105	Shallow	1803.87	2/11/2025	9.23	1794.64	none
Q1	PZ-108	Shallow	1809.36	2/11/2025	13.97	1795.39	none
Q2	PZ-108	Shallow	1809.36	4/18/2025	12.17	1797.19	none
Q3	PZ-108	Shallow	1809.36	8/8/2025	14.93	1794.43	none
Q4	PZ-108	Shallow	1809.36	10/15/2025	16.98	1792.38	none
Q1	PZ-109	Shallow	1809.51	2/11/2025	13.67	1795.84	none
Q1	PZ-116	Shallow	1827.78	2/11/2025	24.15	1803.63	none
Q1	PZ-120	Shallow	1810.96	2/11/2025	16.37	1794.59	none
Q1	PZ-121	Shallow	1808.98	2/11/2025	14.97	1794.01	none
Q1	PZ-122	Shallow	1810.8	2/11/2025	18.33	1792.47	none
Q1	PZ-124	Shallow	1764.11	2/11/2025	Dry	---	none
Q2	PZ-124	Shallow	1764.11	4/18/2025	Dry	---	none
Q3	PZ-124	Shallow	1764.11	8/7/2025	Dry	---	none
Q4	PZ-124	Shallow	1764.11	10/15/2025	Dry	---	none
Q1	PZ-162	Shallow	1814.258	2/11/2025	16.83	1797.43	none
Q1	PZ-163	Shallow	1814.033	2/11/2025	16.98	1797.05	none
Q1	PZ-165	Shallow	1814.451	2/11/2025	17.43	1797.02	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q1	PZ-166	Shallow	1814.656	2/11/2025	18.31	1796.35	none
Q1	PZ-168	Shallow	1812.232	2/11/2025	16.66	1795.57	none
Q1	PZ-169	Shallow	1813.023	2/11/2025	17.41	1795.61	none
Q1	RD-07	Chatsworth	1812.82	2/11/2025	76.96	1735.86	none
Q2	RD-07	Chatsworth	1812.82	4/18/2025	76.5	1736.32	none
Q3	RD-07	Chatsworth	1812.82	8/7/2025	76.6	1736.22	none
Q4	RD-07	Chatsworth	1812.82	10/15/2025	76.92	1735.90	none
Q1	RD-14	Chatsworth	1824.18	2/11/2025	55.6	1768.58	none
Q2	RD-14	Chatsworth	1824.18	4/18/2025	57.02	1767.16	none
Q3	RD-14	Chatsworth	1824.18	8/8/2025	60.19	1763.99	none
Q4	RD-14	Chatsworth	1824.18	10/15/2025	63.96	1760.22	none
Q1	RD-17	Chatsworth	1836.3	2/12/2025	26.59	1809.71	none
Q2	RD-17	Chatsworth	1836.3	4/17/2025	27.44	1808.86	none
Q3	RD-17	Chatsworth	1836.3	8/7/2025	29.13	1807.17	none
Q4	RD-17	Chatsworth	1836.3	10/15/2025	30.39	1805.91	none
Q1	RD-19	Chatsworth	1853.16	2/11/2025	73.9	1779.26	none
Q2	RD-19	Chatsworth	1853.16	4/17/2025	74.49	1778.67	none
Q3	RD-19	Chatsworth	1853.16	8/7/2025	75.06	1778.10	none
Q4	RD-19	Chatsworth	1853.16	10/15/2025	77.81	1775.35	none
Q1	RD-20	Chatsworth	1819.52	2/12/2025	35.46	1784.06	none
Q2	RD-20	Chatsworth	1819.52	4/18/2025	34.46	1785.06	none
Q3	RD-20	Chatsworth	1819.52	8/7/2025	36.65	1782.87	none
Q4	RD-20	Chatsworth	1819.52	10/15/2025	38.37	1781.15	none
Q1	RD-21	Chatsworth	1866.96	2/11/2025	79.76	1787.20	none
Q2	RD-21	Chatsworth	1866.96	4/18/2025	80.98	1785.98	none
Q3	RD-21	Chatsworth	1866.96	8/7/2025	82.97	1783.99	none
Q4	RD-21	Chatsworth	1866.96	10/15/2025	84.24	1782.72	none
Q1	RD-22	Chatsworth	1853.41	2/11/2025	295.87	1557.54	none
Q2	RD-22	Chatsworth	1853.41	4/18/2025	295.7	1557.71	none
Q3	RD-22	Chatsworth	1853.41	8/7/2025	295.74	1557.67	none
Q4	RD-22	Chatsworth	1853.41	10/16/2025	295.09	1558.32	none
Q1	RD-23	Chatsworth	1839.2	2/11/2025	238.64	1600.56	none
Q2	RD-23	Chatsworth	1839.2	4/18/2025	238.5	1600.70	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q3	RD-23	Chatsworth	1839.2	8/8/2025	238.57	1600.63	none
Q4	RD-23	Chatsworth	1839.2	10/15/2025	237.94	1601.26	none
Q1	RD-24	Chatsworth	1809.93	2/11/2025	33.3	1776.63	none
Q2	RD-24	Chatsworth	1809.93	4/18/2025	33.78	1776.15	none
Q3	RD-24	Chatsworth	1809.93	8/7/2025	34.96	1774.97	none
Q4	RD-24	Chatsworth	1809.93	10/15/2025	36	1773.93	none
Q1	RD-27	Chatsworth	1841.67	2/12/2025	47.41	1794.26	none
Q2	RD-27	Chatsworth	1841.67	4/17/2025	47	1794.67	none
Q3	RD-27	Chatsworth	1841.67	8/7/2025	48.86	1792.81	none
Q4	RD-27	Chatsworth	1841.67	10/15/2025	50.35	1791.32	none
Q1	RD-29	Chatsworth	1806.29	2/11/2025	15.9	1790.39	none
Q2	RD-29	Chatsworth	1806.29	4/18/2025	13.74	1792.55	none
Q3	RD-29	Chatsworth	1806.29	8/8/2025	17.1	1789.19	none
Q4	RD-29	Chatsworth	1806.29	10/15/2025	18.95	1787.34	none
Q1	RD-30	Chatsworth	1768.69	2/11/2025	5.37	1763.32	none
Q2	RD-30	Chatsworth	1768.69	4/17/2025	4.84	1763.85	none
Q3	RD-30	Chatsworth	1768.69	8/7/2025	7.82	1760.87	none
Q4	RD-30	Chatsworth	1768.69	10/15/2025	8.62	1760.07	none
Q1	RD-33A	Chatsworth	1792.97	2/11/2025	203.9	1589.07	none
Q2	RD-33A	Chatsworth	1792.97	4/18/2025	203.99	1588.98	none
Q3	RD-33A	Chatsworth	1792.97	8/7/2025	204.07	1588.90	none
Q4	RD-33A	Chatsworth	1792.97	10/16/2025	203.89	1589.08	none
Q1	RD-33B	Chatsworth	1793.72	2/11/2025	271.71	1522.01	none
Q2	RD-33B	Chatsworth	1793.72	4/18/2025	271.22	1522.50	none
Q3	RD-33B	Chatsworth	1793.72	8/7/2025	271.54	1522.18	none
Q4	RD-33B	Chatsworth	1793.72	10/16/2025	270.82	1522.90	none
Q1	RD-33C	Chatsworth	1793.61	2/11/2025	273.71	1519.90	none
Q2	RD-33C	Chatsworth	1793.61	4/18/2025	273.35	1520.26	none
Q3	RD-33C	Chatsworth	1793.61	8/7/2025	273.52	1520.09	none
Q4	RD-33C	Chatsworth	1793.61	10/16/2025	273.14	1520.47	none
Q1	RD-34A	Chatsworth	1761.91	2/11/2025	24.76	1737.15	none
Q2	RD-34A	Chatsworth	1761.91	4/18/2025	26.28	1735.63	none
Q3	RD-34A	Chatsworth	1761.91	8/7/2025	29.61	1732.30	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q4	RD-34A	Chatsworth	1761.91	10/15/2025	32.08	1729.83	none
Q1	RD-34B	Chatsworth	1762.51	2/11/2025	31.99	1730.52	none
Q2	RD-34B	Chatsworth	1762.51	4/18/2025	32.84	1729.67	none
Q3	RD-34B	Chatsworth	1762.51	8/7/2025	36.11	1726.40	none
Q4	RD-34B	Chatsworth	1762.51	10/15/2025	38.67	1723.84	none
Q1	RD-34C	Chatsworth	1762.79	2/11/2025	7.11	1755.68	none
Q2	RD-34C	Chatsworth	1762.79	4/18/2025	7.96	1754.83	none
Q3	RD-34C	Chatsworth	1762.79	8/7/2025	9.73	1753.06	none
Q4	RD-34C	Chatsworth	1762.79	10/15/2025	11.17	1751.62	none
Q1	RD-54A	Chatsworth	1842.2	2/11/2025	180.03	1662.17	none
Q2	RD-54A	Chatsworth	1842.2	4/18/2025	179.4	1662.80	none
Q3	RD-54A	Chatsworth	1842.2	8/8/2025	178.36	1663.84	none
Q4	RD-54A	Chatsworth	1842.2	10/16/2025	178	1664.20	none
Q1	RD-54B	Chatsworth	1842.54	2/11/2025	233.12	1609.42	none
Q2	RD-54B	Chatsworth	1842.54	4/18/2025	233.11	1609.43	none
Q3	RD-54B	Chatsworth	1842.54	8/8/2025	233.11	1609.43	none
Q4	RD-54B	Chatsworth	1842.54	10/16/2025	232.74	1609.80	none
Q1	RD-54C	Chatsworth	1843.77	2/11/2025	212.72	1631.05	none
Q2	RD-54C	Chatsworth	1843.77	4/18/2025	212.67	1631.10	none
Q3	RD-54C	Chatsworth	1843.77	8/8/2025	212.69	1631.08	(2)
Q4	RD-54C	Chatsworth	1843.77	10/16/2025	212.9	1630.87	none
Q1	RD-59A	Chatsworth	1340.59	2/11/2025	26.08	1314.51	none
Q2	RD-59A	Chatsworth	1340.59	4/17/2025	25.59	1315.00	none
Q3	RD-59A	Chatsworth	1340.59	8/7/2025	25.22	1315.37	none
Q4	RD-59A	Chatsworth	1340.59	10/16/2025	26.97	1313.62	none
Q1	RD-59B	Chatsworth Artesian	1342.49	2/11/2025	---	---	(3)
Q2	RD-59B	Chatsworth Artesian	1342.49	4/17/2025	---	---	(3)
Q3	RD-59B	Chatsworth Artesian	1342.49	8/7/2025	---	---	(3)
Q4	RD-59B	Chatsworth Artesian	1342.49	10/16/2025	---	---	(3)
Q1	RD-59C	Chatsworth Artesian	1345.41	2/11/2025	---	---	(3)
Q2	RD-59C	Chatsworth Artesian	1345.41	4/17/2025	---	---	(3)
Q3	RD-59C	Chatsworth Artesian	1345.41	8/7/2025	---	---	(3)
Q4	RD-59C	Chatsworth Artesian	1345.41	10/16/2025	---	---	(3)

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q1	RD-63	Chatsworth	1764.83	2/11/2025	17.36	1747.47	none
Q2	RD-63	Chatsworth	1764.83	4/18/2025	16.94	1747.89	none
Q3	RD-63	Chatsworth	1764.83	8/7/2025	16.77	1748.06	none
Q4	RD-63	Chatsworth	1764.83	10/15/2025	20.13	1744.70	none
Q1	RD-64	Chatsworth	1857.04	2/11/2025	239.05	1617.99	none
Q2	RD-64	Chatsworth	1857.04	4/18/2025	242.21	1614.83	none
Q3	RD-64	Chatsworth	1857.04	8/8/2025	245.81	1611.23	none
Q4	RD-64	Chatsworth	1857.04	10/16/2025	238.73	1618.31	none
Q1	RD-65	Chatsworth	1820.11	2/11/2025	223.76	1596.35	none
Q2	RD-65	Chatsworth	1820.11	4/18/2025	223.59	1596.52	none
Q3	RD-65	Chatsworth	1820.11	8/8/2025	223.52	1596.59	none
Q4	RD-65	Chatsworth	1820.11	10/16/2025	223.02	1597.09	none
Q1	RD-74	Chatsworth	1810.9	2/11/2025	83.87	1727.03	(4)
Q2	RD-74	Chatsworth	1810.9	4/18/2025	83.77	1727.13	(4)
Q3	RD-74	Chatsworth	1810.9	8/7/2025	85.13	1725.77	(4)
Q4	RD-74	Chatsworth	1810.9	10/15/2025	86.02	1724.88	(4)
Q1	RD-87	Chatsworth	1789.09	2/11/2025	44.33	1744.76	none
Q2	RD-87	Chatsworth	1789.09	4/18/2025	44.43	1744.66	none
Q3	RD-87	Chatsworth	1789.09	8/8/2025	45.76	1743.33	none
Q4	RD-87	Chatsworth	1789.09	10/15/2025	46.4	1742.69	none
Q1	RD-88	Chatsworth	1774.62	2/11/2025	21.34	1753.28	none
Q2	RD-88	Chatsworth	1774.62	4/18/2025	21.68	1752.94	none
Q3	RD-88	Chatsworth	1774.62	8/8/2025	23.86	1750.76	none
Q4	RD-88	Chatsworth	1774.62	10/15/2025	24.71	1749.91	none
Q1	RD-90	Chatsworth	1784.75	2/11/2025	26.18	1758.57	none
Q2	RD-90	Chatsworth	1784.75	4/18/2025	27.28	1757.47	none
Q3	RD-90	Chatsworth	1784.75	8/8/2025	29.57	1755.18	none
Q4	RD-90	Chatsworth	1784.75	10/15/2025	30.58	1754.17	none
Q1	RD-91	Chatsworth	1818.04	2/11/2025	15.14	1802.90	none
Q2	RD-91	Chatsworth	1818.04	4/18/2025	15.55	1802.49	none
Q3	RD-91	Chatsworth	1818.04	8/7/2025	17.54	1800.50	none
Q4	RD-91	Chatsworth	1818.04	10/15/2025	20.26	1797.78	none
Q1	RD-92	Chatsworth	1833.74	2/12/2025	51.72	1782.02	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q2	RD-92	Chatsworth	1833.74	4/18/2025	51.42	1782.32	none
Q3	RD-92	Chatsworth	1833.74	8/8/2025	51.26	1782.48	none
Q4	RD-92	Chatsworth	1833.74	10/15/2025	51.45	1782.29	none
Q1	RD-93	Chatsworth	1810.48	2/11/2025	30.26	1780.22	none
Q2	RD-93	Chatsworth	1810.48	4/18/2025	31.51	1778.97	none
Q3	RD-93	Chatsworth	1810.48	8/8/2025	36.62	1773.86	none
Q4	RD-93	Chatsworth	1810.48	10/15/2025	33.45	1777.03	none
Q1	RD-94	Chatsworth	1744.38	2/11/2025	13.65	1730.73	none
Q2	RD-94	Chatsworth	1744.38	4/18/2025	13.7	1730.68	none
Q3	RD-94	Chatsworth	1744.38	8/8/2025	16.46	1727.92	none
Q4	RD-94	Chatsworth	1744.38	10/15/2025	17.45	1726.93	none
Q1	RD-95	Chatsworth	1811.36	2/11/2025	47.21	1764.15	none
Q2	RD-95	Chatsworth	1811.36	4/18/2025	48.75	1762.61	none
Q3	RD-95	Chatsworth	1811.36	8/8/2025	50.88	1760.48	none
Q4	RD-95	Chatsworth	1811.36	10/15/2025	51.89	1759.47	none
Q1	RD-96	Chatsworth	1805.49	2/11/2025	58.39	1747.10	none
Q2	RD-96	Chatsworth	1805.49	4/18/2025	58.74	1746.75	none
Q3	RD-96	Chatsworth	1805.49	8/7/2025	59.79	1745.70	none
Q4	RD-96	Chatsworth	1805.49	10/15/2025	60.75	1744.74	none
Q1	RD-97	Chatsworth	1792.22	2/11/2025	45.93	1746.29	none
Q2	RD-97	Chatsworth	1792.22	4/18/2025	46.61	1745.61	none
Q3	RD-97	Chatsworth	1792.22	8/7/2025	47.87	1744.35	none
Q4	RD-97	Chatsworth	1792.22	10/15/2025	48.99	1743.23	none
Q1	RD-98	Chatsworth	1808.73	2/11/2025	38	1770.73	none
Q2	RD-98	Chatsworth	1808.73	4/17/2025	37.46	1771.27	none
Q3	RD-98	Chatsworth	1808.73	8/7/2025	39.93	1768.80	none
Q4	RD-98	Chatsworth	1808.73	10/15/2025	41.1	1767.63	none
Q1	RS-16	Shallow	1811.05	2/11/2025	Dry	---	none
Q2	RS-16	Shallow	1811.05	4/18/2025	Dry	---	none
Q3	RS-16	Shallow	1811.05	8/7/2025	Dry	---	none
Q4	RS-16	Shallow	1811.05	10/15/2025	Dry	---	none
Q1	RS-18	Shallow	1802.86	2/11/2025	8.31	1794.55	none
Q2	RS-18	Shallow	1802.86	4/18/2025	6.53	1796.33	none

TABLE 3
WATER LEVEL DATA, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Quarter	Well Identifier	Geologic Unit	Reference Point Elevation (feet above MSL)	Date of Measurement	Depth to Water (feet BTOC)	Static Water Level Elevation (feet above MSL)	Notes
Q3	RS-18	Shallow	1802.86	8/8/2025	Dry	---	none
Q4	RS-18	Shallow	1802.86	10/15/2025	Dry	---	none
Q1	RS-25	Shallow	1862.71	2/11/2025	Dry	---	none
Q2	RS-25	Shallow	1862.71	4/17/2025	Dry	---	none
Q3	RS-25	Shallow	1862.71	8/7/2025	Dry	---	none
Q4	RS-25	Shallow	1862.71	10/15/2025	Dry	---	none
Q1	RS-27	Shallow	1804.78	2/11/2025	Dry	---	none
Q2	RS-27	Shallow	1804.78	4/18/2025	Dry	---	none
Q3	RS-27	Shallow	1804.78	8/8/2025	Dry	---	none
Q4	RS-27	Shallow	1804.78	10/15/2025	Dry	---	none
Q1	RS-28	Shallow	1768.59	2/11/2025	5.18	1763.41	none
Q2	RS-28	Shallow	1768.59	4/17/2025	4.67	1763.92	none
Q3	RS-28	Shallow	1768.59	8/7/2025	6.86	1761.73	none
Q4	RS-28	Shallow	1768.59	10/15/2025	8.4	1760.19	none

NOTES AND ABBREVIATIONS

(1) - RD-89 was drilled to a deeper depth in May 2018. The well ID is now DD-147 and is 257 feet deep.
(2) - Pump malfunctioning and unable to be removed.
(3) - Well is artesian
(4) - Obstruction at 95.1 feet bgs; pump left in well
--- - No data available or not applicable
BTOC - below top of casing
Chatsworth - Chatsworth Formation groundwater unit.
Chatsworth Artesian - Chatsworth Formation groundwater unit - Artesian with hydrostatic head above land surface
MSL - mean sea level
Shallow - Near Surface groundwater unit

TABLE 4
EXCEPTIONS TO PLANNED SITE-WIDE WATER QUALITY SAMPLING, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Q1 2025 WELLS SCHEDULED BUT NOT SAMPLED	
Well Identifier	**Notes**
PZ-097, PZ-098, PZ-124, PZ-100, PZ-101, PZ-102, RS-16, RS-25	Wells were dry.
Q3 2025 WELLS SCHEDULED BUT NOT SAMPLED	
Well Identifier	**Notes**
C-31, C-32, PZ-097, PZ-098, PZ-100, PZ-101, PZ-102, PZ-124, RD-54C, RS-16, RS-18, RS-25, RS-27	All wells except RD-54C were dry. Pump was not working properly in RD-54C. Extraction of the pump installed in well RD-54C posed a significant risk of becoming stuck during removal; therefore, retrieval operations were not initiated.
STABILIZATION CRITERIA COLLECTED AT FIXED INTERVALS GREATER THAN 5 MINUTES	
Well Identifier	**Notes**
Q1 2025: DD-140, DD-142, DD-146, DD-147, DS-43, DS-46, DS-48, PZ-005, PZ-103, PZ-104, PZ-105, PZ-108, PZ-109, PZ-116, PZ-120, PZ-121, PZ-122, PZ-162, PZ-163, PZ-165, PZ-166, PZ-168, PZ-169, RD-29, RD-90, RD-95, RD-96, RS-18	Readings were collected every 6 minutes to give enough time to exchange water in the flow through cell due to 50 mL/min flow rate.
Q3 2025: PZ-104, PZ-105, PZ-106, PZ-121, PZ-163, PZ-164, RD-17, RD-20, RD-21, RD-27, RD-29, RD-95	Readings were collected every 6 minutes to give enough time to exchange water in the flow through cell due to 50 mL/min flow rate.
PURGE VOLUME REQUIREMENTS NOT MET	
Q1 2025 : Purge volume was met on all wells sampled.	
Q3 2025 : Purge volume was met on all wells sampled.	
LOW-FLOW STABILIZATION CRITERIA NOT MET	
Well Identifier	**Notes**
Q1 2025 : All wells sampled met the low-flow stabilization criteria.	None
Q3 2025: All wells sampled met the low-flow stabilization criteria.	None
QUALITY ASSURANCE PROJECT PLAN (QAPP) REQUIREMENTS Q1 and Q3 2025	
Requirement	**Exceptions**
Trip Blanks submitted daily with samples analyzed for VOCs and gasoline-range organics.	None
Quality Control (QC) samples collected	None
Precision/Accuracy requirements met	See Appendix E
OTHER	
Analyte Not Analyzed	
Well Identifier	**Notes**
Q1 2025: DS-48	DRO and VOCs were inadvertently not analyzed for during the Q1 2025 sampling event. These analyses will be performed during the Q3 2025 sampling event. All other analytes were analyzed as requested during the Q1 2025 event.
Q3 2025: None.	DS-48 was sampled for DRO and VOCs during the Q3 2025 event in lieu of the laboratory oversight from Q1 2025.

NOTES AND ABBREVIATIONS

DRO - diesel range organics
mL/min - milliliter per minute
QC - quality control
VOC - volatile organic compound

TABLE 5
GROUNDWATER FIELD PARAMETERS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Date	Conductivity (mmhos)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (° C)	Turbidity (NTU)
C-08	3/11/2025	654	1.87	-25.2	7.47	15.28	4
DD-140	3/5/2025	895	4.05	38.7	6.58	15.76	5
DD-141	8/14/2025	814	1.08	21.9	6.85	19.2	3
DD-142	2/26/2025	1116	0.99	24.3	6.91	19.83	4
DD-142	8/18/2025	139.5	1.21	118.1	7.07	21.8	35
DD-143	8/20/2025	1236	0.65	27.6	6.92	22.5	22
DD-144	3/4/2025	1009	0.6	-15.9	6.9	20.8	27
DD-145	8/11/2025	852	0.50	103.6	6.65	25.3	43
DD-146	2/28/2025	539	0.59	-105.3	7.66	22	20
DD-147	3/12/2025	1055	1.71	20.2	6.77	142.5	4
DD-157	2/28/2025	577	0.79	-114.9	7.48	20	16
DD-158	2/18/2025	802	2.69	168.6	7.21	16.6	9
DD-158	3/10/2025	802	2.69	168.6	7.21	16.6	9
DD-158	8/11/2025	786	2.24	-22.2	7.11	21.7	6
DD-159	2/17/2025	840	1.16	164.8	7.06	19.5	5
DD-159	3/10/2025	840	1.16	164.8	7.06	19.5	5
DD-159	8/11/2025	818	0.96	111.6	7.17	25.3	4
DS-43	2/21/2025	882	1.36	-34.1	7.31	21.94	24
DS-44	8/19/2025	991	2.87	28.5	6.97	21.6	9
DS-45	8/12/2025	755	1.39	93.3	7.18	21.5	4
DS-46	3/5/2025	957	0.44	-31.6	6.88	13.7	58
DS-48	2/27/2025	897	0.49	-46.3	7.05	19.8	37
DS-48	8/15/2025	817	0.37	62.5	7.11	22.0	21
PZ-005	3/4/2025	1097	3.67	31.1	6.85	22.21	87
PZ-103	2/27/2025	1277	3.57	20.9	6.77	22.68	30
PZ-103	8/18/2025	1059	5.47	111.3	7.34	25.4	17
PZ-104	2/27/2025	1844	0.34	-133.4	6.96	21.8	5
PZ-104	8/11/2025	1907	3.76	22.2	6.59	22.6	7
PZ-105	2/25/2025	927	1.15	86.6	7.31	22.5	6
PZ-105	8/22/2025	905	0.48	148.5	7.26	24.8	17
PZ-108	2/26/2025	1145	2.97	124.5	7.16	23.1	7
PZ-109	2/26/2025	1263	1.26	27.7	7.14	23.79	5
PZ-116	2/19/2025	1618	1.76	-38.8	6.95	14.56	19
PZ-120	3/4/2025	646	1.7	152.6	7.55	15.8	17
PZ-121	3/4/2025	1040	0.51	-27.2	6.38	12.7	4
PZ-121	8/15/2025	932	0.27	24.9	6.22	22.6	11
PZ-122	2/25/2025	1197	0.93	117.7	6.68	21.94	4
PZ-162	3/3/2025	874	0.54	-15	6.9	19.35	40
PZ-163	3/3/2025	1015	0.45	68.8	6.95	20.7	12
PZ-165	3/3/2025	1138	2.8	-21.8	6.69	15.57	9
PZ-166	2/28/2025	963	0.84	93	7.56	18.45	30
PZ-168	2/28/2025	1119	2.23	62.8	7.17	20.23	50
PZ-169	3/3/2025	901	3.97	147.4	7.2	15.3	44
RD-07	2/24/2025	797	1.58	-19.9	7.04	19.92	7
RD-14	2/19/2025	872	0.62	179.6	7.09	17.8	2
RD-14	8/19/2025	864	0.48	81.2	7.03	25.5	2
RD-14	8/26/2025	881	0.46	104.8	7.06	24.0	2
RD-17	8/20/2025	728	0.81	155.2	7.38	21.8	4

TABLE 5
GROUNDWATER FIELD PARAMETERS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Date	Conductivity (mmhos)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Temperature (° C)	Turbidity (NTU)
RD-19	2/20/2025	1536	1.06	185	6.63	14.6	2
RD-19	8/22/2025	1563	0.56	63.1	6.66	25.9	2
RD-20	8/15/2025	1398	2.48	35.9	7.08	20.6	1
RD-21	3/6/2025	859	3.14	728	7.34	17.55	2
RD-21	8/11/2025	772	3.07	91.1	7.13	21.2	4
RD-22	3/5/2025	1137	1.12	145.2	7.22	15.9	24
RD-23	3/7/2025	1115	1.76	63.8	7.02	15.81	5
RD-24	2/26/2025	979	0.39	96.4	7.09	20.2	1
RD-24	8/26/2025	1051	0.64	167.2	7.10	21.7	3
RD-27	8/21/2025	583	0.58	96.5	7.33	27.1	12
RD-29	2/25/2025	899	1.17	30.6	6.77	21.39	4
RD-29	8/14/2025	854	0.40	137.4	7.04	21.0	7
RD-30	2/24/2025	940	0.56	104.3	6.85	22.3	31
RD-33A	3/7/2025	700	1.46	110.6	7.14	18.36	3
RD-34A	2/18/2025	1399	1.36	-86.1	6.97	15.59	7
RD-34B	8/22/2025	256	1.01	-51.3	7.98	27.3	7
RD-34C	8/26/2025	504	0.49	-74.2	7.78	23.1	2
RD-54A	3/6/2025	768	1.94	197.9	7.12	16.1	38
RD-54A	8/12/2025	785	1.33	94.2	7.00	20.9	2
RD-54B	3/6/2025	401.8	1.47	96.5	8.8	11.5	14
RD-59A	3/7/2025	1120	0.96	125.9	7.14	15.2	2
RD-59B	3/7/2025	788	0.12	-129.7	7.49	19.1	1
RD-59C	3/7/2025	815	0.1	-84.3	7.7	2.0	1
RD-63	2/17/2025	1029	1.56	-26	6.81	13.38	5
RD-64	3/5/2025	861	2.44	141.5	7.24	16.7	4
RD-65	3/6/2025	556	1.27	15.2	7.27	13.95	1
RD-74	2/24/2025	906	1.86	366	6.73	19.8	26
RD-74	8/15/2025	886	1.46	31.1	6.58	20.7	31.7
RD-88	3/10/2025	1308	0.59	-53.4	7.04	22.38	32
RD-90	3/11/2025	1287	1.27	34.9	6.75	8.18	4
RD-93	3/12/2025	2114	1.72	178.7	6.38	18.7	6
RD-93	8/21/2025	1664	0.96	178.7	6.55	24.6	4
RD-94	3/10/2025	1334	0.38	-80.3	6.88	16.5	72
RD-95	2/21/2025	1611	0.51	12	6.46	19.9	131
RD-95	8/26/2025	1687	3.08	98.6	6.64	26.3	12
RD-96	2/20/2025	1131	1.01	27.9	7.06	17.92	1
RD-97	2/21/2025	1172	1.64	-56.3	6.34	18.57	13
RD-98	2/25/2025	611	2.24	174.2	7.1	17.9	138
RD-98	8/19/2025	691	1.47	156.1	6.97	20.5	3
RS-18	3/7/2025	1159	6.31	184.5	7.1	13.8	1
RS-28	2/24/2025	853	1.69	189.8	6.81	13.7	3

NOTES AND ABBREVIATIONS
mg/L - milligrams per liter
° C - degrees Celsius
mmhos - millimhos
mV - millivolt
NTU - nephelometric turbidity unit

TABLE 6
SAMPLES ANALYZED, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Location	Quarter	Method
C-08	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
C-31	Q3	Dry, not taken
C-32	Q3	Dry, not taken
DD-140	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
DD-141	Q3	Radio Chemical Strontium-90
DD-142	Q1	Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
DD-142	Q3	Carbonyl Compounds Polychlorinated biphenyls (PCBs)
DD-143	Q3	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DD-144	Q1	Diesel Range Organics Gasoline Range Organics Metals Perchlorate Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DD-145	Q3	Diesel Range Organics Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
DD-146	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
DD-147	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Tritium Volatile Organic Compounds
DD-157	Q1	Metals Semivolatile Organic Compounds Volatile Organic Compounds
DD-158	Q1	Diesel Range Organics Gasoline Range Organics Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DD-158	Q3	Organochlorine Pesticides Perchlorate Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)

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Location	Quarter	Method
DD-159	Q1	Diesel Range Organics Gasoline Range Organics Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DD-159	Q3	Dioxins and Furans
DS-43	Q1	Fluoride Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
DS-44	Q3	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DS-45	Q3	Metals Polyaromatic Hydrocarbons Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DS-46	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
DS-47	Q3	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
DS-48	Q1	Gasoline Range Organics Metals Semivolatile Organic Compounds
DS-48	Q3	Diesel Range Organics Gasoline Range Organics Semivolatile Organic Compounds Volatile Organic Compounds
PZ-005	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Nitrate Semivolatile Organic Compounds Volatile Organic Compounds
PZ-097	Q1	Dry, not taken
PZ-097	Q2	Dry, not taken
PZ-097	Q3	Dry, not taken
PZ-097	Q4	Dry, not taken
PZ-098	Q1	Dry, not taken
PZ-098	Q3	Dry, not taken
PZ-100	Q1	Dry, not taken
PZ-100	Q3	Dry, not taken
PZ-101	Q1	Dry, not taken
PZ-101	Q3	Dry, not taken
PZ-102	Q1	Dry, not taken
PZ-102	Q3	Dry, not taken
PZ-103	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Nitrate Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds

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Location	Quarter	Method
PZ-103	Q3	Polyaromatic Hydrocarbons Semivolatile Organic Compounds
PZ-104	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Nitrate Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
PZ-104	Q3	Nitroaromatics and Nitramines Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)
PZ-105	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-105	Q3	Herbicides Organochlorine Pesticides Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs) Semivolatile Organic Compounds
PZ-108	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-109	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
PZ-116	Q1	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
PZ-116	Q3	Organochlorine Pesticides
PZ-120	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-121	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-121	Q3	Tritium
PZ-122	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-124	Q1	Dry, not taken
PZ-124	Q2	Dry, not taken
PZ-124	Q3	Dry, not taken
PZ-124	Q4	Dry, not taken
PZ-162	Q1	Diesel Range Organics Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds

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SAMPLES ANALYZED, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Location	Quarter	Method
PZ-163	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-163	Q3	Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)
PZ-164	Q3	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-165	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-166	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-167	Q3	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-168	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
PZ-169	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-07	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
RD-14	Q1	Diesel Range Organics Gasoline Range Organics Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-14	Q3	Dioxins and Furans Polychlorinated biphenyls (PCBs)
RD-17	Q3	Herbicides Metals Organochlorine Pesticides Polyaromatic Hydrocarbons Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-19	Q1	Diesel Range Organics Gasoline Range Organics Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-19	Q3	Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)

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SAMPLES ANALYZED, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Location	Quarter	Method
RD-20	Q3	Dioxins and Furans Polyaromatic Hydrocarbons
RD-21	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
RD-21	Q3	Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)
RD-22	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
RD-22	Q3	Polyaromatic Hydrocarbons
RD-23	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-24	Q1	Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-24	Q3	Polyaromatic Hydrocarbons
RD-27	Q3	Polychlorinated biphenyls (PCBs) Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-29	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-29	Q3	Radio Chemical Strontium-90
RD-30	Q1	Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-33A	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
RD-34A	Q1	Fluoride Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-34B	Q3	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-34C	Q3	Tritium
RD-54A	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds

TABLE 6
SAMPLES ANALYZED, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
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Location	Quarter	Method
RD-54A	Q3	Perchlorate Radio Chemical Strontium-90
RD-54B	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-54C	Q3	Pump malfunctioning and unable to be removed.
RD-59A	Q1	Fluoride Metals Perchlorate Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-59B	Q1	Fluoride Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-59B	Q4	Well is capped
RD-59C	Q1	Fluoride Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-59C	Q4	Well is capped
RD-63	Q1	Fluoride Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-64	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-65	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-74	Q1	Diesel Range Organics Gasoline Range Organics Metals Semivolatile Organic Compounds Volatile Organic Compounds
RD-74	Q3	Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs)
RD-88	Q1	Semivolatile Organic Compounds Tritium Volatile Organic Compounds
RD-90	Q1	Diesel Range Organics Gasoline Range Organics Semivolatile Organic Compounds Tritium Volatile Organic Compounds
RD-93	Q1	Perchlorate Semivolatile Organic Compounds Tritium Volatile Organic Compounds

TABLE 6
SAMPLES ANALYZED, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Location	Quarter	Method
RD-93	Q3	Carbonyl Compounds Herbicides Organochlorine Pesticides Polyaromatic Hydrocarbons Polychlorinated biphenyls (PCBs) Radio Chemical Semivolatile Organic Compounds Strontium-90
RD-94	Q1	Diesel Range Organics Fluoride Gasoline Range Organics Tritium
RD-95	Q1	Diesel Range Organics Gasoline Range Organics Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-95	Q3	Carbonyl Compounds
RD-96	Q1	Diesel Range Organics Gasoline Range Organics Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-97	Q1	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Tritium Volatile Organic Compounds
RD-98	Q1	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RD-98	Q3	Herbicides Polychlorinated biphenyls (PCBs) Semivolatile Organic Compounds
RS-16	Q1	Dry, not taken
RS-16	Q2	Dry, not taken
RS-16	Q3	Dry, not taken
RS-16	Q4	Dry, not taken
RS-18	Q1	Diesel Range Organics Gasoline Range Organics Metals Perchlorate Semivolatile Organic Compounds Volatile Organic Compounds
RS-18	Q3	Dry, not taken
RS-18	Q4	Dry, not taken
RS-25	Q1	Dry, not taken
RS-25	Q2	Dry, not taken
RS-25	Q3	Dry, not taken
RS-25	Q4	Dry, not taken
RS-27	Q1	Dry, not taken
RS-27	Q2	Dry, not taken
RS-27	Q3	Dry, not taken
RS-27	Q4	Dry, not taken
RS-28	Q1	Metals Radio Chemical Semivolatile Organic Compounds Strontium-90 Volatile Organic Compounds
RS-54	Q3	Dioxins and Furans

TABLE 7
GROUNDWATER MONITORING PROGRAM ANALYSES, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Analytical Method
Anions	
Fluoride	E300
Nitrate	E300
Carbonyl Compounds	
Formaldehyde	SW8315
Dioxins and Furans	
1,2,3,4,6,7,8-heptachlorodibenzofuran	SW8290
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	SW8290
1,2,3,4,7,8,9-heptachlorodibenzofuran	SW8290
1,2,3,4,7,8-hexachlorodibenzofuran	SW8290
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	SW8290
1,2,3,6,7,8-hexachlorodibenzofuran	SW8290
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	SW8290
1,2,3,7,8,9-hexachlorodibenzofuran	SW8290
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	SW8290
1,2,3,7,8-pentachlorodibenzofuran	SW8290
1,2,3,7,8-pentachlorodibenzo-p-dioxin	SW8290
2,3,4,6,7,8-hexachlorodibenzofuran	SW8290
2,3,4,7,8-pentachlorodibenzofuran	SW8290
2,3,7,8-tetrachlorodibenzofuran	SW8290
2,3,7,8-tetrachlorodibenzo-p-dioxin	SW8290
Heptachlorinated dibenzofurans, (total)	SW8290
Heptachlorinated dibenzo-p-dioxins, (total)	SW8290
Hexachlorinated dibenzofurans, (total)	SW8290
Hexachlorodibenzo-p-dioxin, mixture	SW8290
Octachlorodibenzofuran	SW8290
Octachlorodibenzo-p-dioxin	SW8290
Pentachlorinated dibenzofurans, (total)	SW8290
Pentachlorinated dibenzo-p-dioxins, (total)	SW8290
Tetrachlorinated dibenzofurans, (total)	SW8290
Tetrachlorinated dibenzo-p-dioxins, (total)	SW8290
DRO and/or GRO	
Diesel Range Organics	SW8015
Gasoline Range Organics	SW8015
Herbicides	
(4-chloro-2-methylphenoxy)acetic acid	SW8151
2,4,5-trichlorophenoxyacetic acid	SW8151
2,4-dichlorophenoxyacetic acid	SW8151
Butanoic acid, 4-(2,4-dichlorophenoxy)-	SW8151
Dalapon	SW8151
Dicamba	SW8151
Dichlorprop	SW8151
Dinoseb	SW8151
MCPP	SW8151
Silvex (2,4,5-tp)	SW8151
Metals	
Antimony	SW6020
Arsenic	SW6020
Barium	SW6020
Beryllium	SW6020
Cadmium	SW6020
Chromium	SW6020
Cobalt	SW6020
Copper	SW6020
Lead	SW6020
Mercury	SW7470
Molybdenum	SW6020
Nickel	SW6020
Selenium	SW6020
Silver	SW6020
Sodium	SW6010 SW6020

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GROUNDWATER MONITORING PROGRAM ANALYSES, 2025 ANNUAL - DOE AREA IV
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Analyte	Analytical Method
Thallium	SW6020
Tin	SW6020
Vanadium	SW6020
Zinc	SW6020
Nitroaromatics and Nitramines	
N-nitrosodimethylamine	SW8330
Organochlorine Pesticides	
1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	SW8081
1,1-bis(chlorophenyl)-2,2-dichloroethane	SW8081
1,1-bis(chlorophenyl)-2,2-dichloroethene	SW8081
Aldrin	SW8081
alpha-BHC	SW8081
Alpha-chlordane	SW8081
beta-BHC	SW8081
delta-BHC	SW8081
Dieldrin	SW8081
Endosulfan I	SW8081
Endosulfan II	SW8081
Endosulfan sulfate	SW8081
Endrin	SW8081
Endrin aldehyde	SW8081
Endrin ketone	SW8081
gamma-BHC (Lindane)	SW8081
Gamma-chlordane	SW8081
Heptachlor	SW8081
Heptachlor epoxide	SW8081
Methoxychlor	SW8081
Perchlorate	
Perchlorate	SW6850
Polyaromatic Hydrocarbons	
1-methylnaphthalene	SW8270 SIM
2-methylnaphthalene	SW8270 SIM
Acenaphthene	SW8270 SIM
Acenaphthylene	SW8270 SIM
Anthracene	SW8270 SIM
Benzo(a)anthracene	SW8270 SIM
Benzo(a)pyrene	SW8270 SIM
Benzo(b)fluoranthene	SW8270 SIM
Benzo(g,h,i)perylene	SW8270 SIM
Benzo(k)fluoranthene	SW8270 SIM
Chrysene	SW8270 SIM
Dibenz(a,h)anthracene	SW8270 SIM
Fluoranthene	SW8270 SIM
Fluorene	SW8270 SIM
Indeno(1,2,3-cd)pyrene	SW8270 SIM
Naphthalene	SW8270 SIM
Phenanthrene	SW8270 SIM
Pyrene	SW8270 SIM
Polychlorinated biphenyls (PCBs)	
Aroclor-1016	SW8082
Aroclor-1221	SW8082
Aroclor-1232	SW8082
Aroclor-1242	SW8082
Aroclor-1248	SW8082
Aroclor-1254	SW8082
Aroclor-1260	SW8082
Radio Chemical	
Actinium-228	E901.1
Americium-241	E901.1
Antimony-125	E901.1
Barium-133	E901.1
Cesium-134	E901.1

TABLE 7
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Analyte	Analytical Method
Cesium-137	E901.1
Cobalt-57	E901.1
Cobalt-60	E901.1
Europium-152	E901.1
Europium-154	E901.1
Europium-155	E901.1
Gross Alpha	E900
Gross Beta	E900
Manganese-54	E901.1
Potassium-40	E901.1
Radium-226	E903
Radium-226/228	E903
Radium-228	E904
Sodium-22	E901.1
Strontium-90	E905
Total Uranium	EML300_U02MOD
Tritium	E906.0
Uranium-233/234	EML300_U02MOD
Uranium-235/236	EML300_U02MOD
Uranium-238	EML300_U02MOD
Semivolatile Organic Compounds	
1,2,4-trichlorobenzene	SW8270
1,2-Dichlorobenzene	SW8270
1,3-dichlorobenzene	SW8270
1,4-dichlorobenzene	SW8270
1,4-Dioxane	SW8270 SIM
2,4,5-trichlorophenol	SW8270
2,4,6-trichlorophenol	SW8270
2,4-dichlorophenol	SW8270
2,4-dinitrophenol	SW8270
2,4-dinitrotoluene	SW8270
2,6-dichlorophenol	SW8270
2,6-dinitrotoluene	SW8270
2-chloronaphthalene	SW8270
2-chlorophenol	SW8270
2-methyl-4,6-dinitrophenol	SW8270
2-methylphenol	SW8270
2-nitroaniline	SW8270
2-nitrophenol	SW8270
3,3'-dichlorobenzidine	SW8270
3-nitroaniline	SW8270
4-bromophenyl phenyl ether	SW8270
4-chloro-3-methylphenol	SW8270
4-chloroaniline	SW8270
4-chlorophenyl phenylether	SW8270
4-nitroaniline	SW8270
4-nitrophenol	SW8270
Aniline	SW8270
Azobenzene	SW8270
Benzidine	SW8270
Benzoic acid	SW8270
Benzyl alcohol	SW8270
Benzyl butyl phthalate	SW8270
Bis(2-chloro-1-methylethyl) ether	SW8270
Bis(2-chloroethoxy)methane	SW8270
Bis(2-chloroethyl) ether (2-chloroethyl ether)	SW8270
Bis(2-ethylhexyl)phthalate	SW8270
Dibenzofuran	SW8270
Diethyl phthalate	SW8270
Dimethyl phthalate	SW8270
Dimethylphenol, 2,4-	SW8270
Di-n-butyl phthalate	SW8270

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GROUNDWATER MONITORING PROGRAM ANALYSES, 2025 ANNUAL - DOE AREA IV
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Analyte	Analytical Method
Di-n-octyl phthalate	SW8270
Hexachloro-1,3-butadiene	SW8270
Hexachlorobenzene	SW8270
Hexachlorocyclopentadiene	SW8270
Hexachloroethane	SW8270
Isophorone	SW8270
M/p-cresol	SW8270
Nitrobenzene	SW8270
N-nitrosodimethylamine	SW8270
N-nitrosodi-n-propylamine	SW8270
N-nitrosodiphenylamine	SW8270
Pentachlorophenol	SW8270
Phenol	SW8270
Pyridine	SW8270
Volatile Organic Compounds	
1,1,1-Trichloroethane	SW8260
1,1,2-trichloro-1,2,2-trifluoroethane	SW8260
1,1,2-trichloroethane	SW8260
1,1-Dichloroethane	SW8260
1,1-Dichloroethene	SW8260
1,2-Dichloroethane	SW8260
2-butanone	SW8260
Acetone	SW8260
Benzene	SW8260
Carbon tetrachloride	SW8260
Chloroform	SW8260
cis-1,2-Dichloroethene	SW8260
Ethylbenzene	SW8260
Methylene chloride	SW8260
m-xylene & p-xylene	SW8260
o-Xylene (1,2-dimethyl-benzene)	SW8260
Tetrachloroethene	SW8260
Toluene	SW8260
trans-1,2-Dichloroethene	SW8260
Trichloroethene	SW8260
Trichlorofluoromethane	SW8260
Vinyl chloride	SW8260
Xylenes, total	SW8260

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
1,4-Dioxane	1,4-Dioxane	N/A	N/A	0.459	SWGW RBSL	1	ug/L	Notification Level
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.90E-07	SSFL	1.19E-05	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	N/A	N/A	1.19E-05	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	N/A	N/A	1.19E-05	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	2.80E-07	SSFL	1.19E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	N/A	N/A	5.99E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	N/A	N/A	1.19E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2.20E-07	SSFL	5.99E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	2.70E-07	SSFL	5.99E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.30E-07	SSFL	5.99E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	1,2,3,7,8-Pentachlorodibenzofuran	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	N/A	N/A	5.99E-07	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	N/A	N/A	5.99E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	2,3,4,7,8-Pentachlorodibenzofuran	3.20E-07	SSFL	2.00E-06	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzofuran	2.00E-07	SSFL	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Heptachlorodibenzofurans	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Heptachlorodibenzo-p-dioxins	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Hexachlorodibenzofurans	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Hexachlorodibenzo-p-dioxins	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Octachlorodibenzofuran	1.90E-07	SSFL	0.002	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	Octachlorodibenzo-p-dioxin	N/A	N/A	0.002	SWGW RBSL	N/A	N/A	N/A
Dioxins/Furans	PCDFs (Furans)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Pentachlorodibenzofurans	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Pentachlorodibenzo-p-dioxins	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Tetrachlorodibenzofurans	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	Tetrachlorodibenzo-p-dioxins	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	1,3,4,7,8-PeCDF	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	PCDDs (Dioxins)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dioxins/Furans	2,3,7,8-TCDD	N/A	N/A	1.19E-07	SWGW RBSL	0.00003	ug/L	Primary MCL
Energetics	Perchlorate	N/A	N/A	14	SWGW RBSL	6	ug/L	Cal MCL
Energetics	2-Amino-4,6-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	2-Nitrotoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	3-Nitrotoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	4-Nitrotoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	Nitroglycerin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	PETN	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	Tetryl	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Energetics	2,4,6-Trinitrotoluene	N/A	N/A	N/A	N/A	1	ug/L	Notification Level
Energetics	HMX	N/A	N/A	1000	SWGW RBSL	350	ug/L	Notification Level
Energetics	RDX	N/A	N/A	0.966	SWGW RBSL	0.3	ug/L	Notification Level
General Parameters	Ammonium	N/A	N/A	N/A	N/A	30000	ug/L	Taste/Odor
General Parameters	Bulk Density	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Deuterium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Formic Acid	N/A	N/A	N/A	N/A	1700000	ug/L	Taste/Odor
General Parameters	Hydraulic Conductivity	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Moisture	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Oxygen-18	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	pH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Porosity, Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Total Non-Volatile Solids	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Total Solids	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	volumetric saturation (air)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Turbidity	N/A	N/A	N/A	N/A	5	NTU	Secondary MCL
General Parameters	Specific conductivity	N/A	N/A	N/A	N/A	900	umhos/cm	Recommended SMCL
General Parameters	Specific conductivity	N/A	N/A	N/A	N/A	1600	umhos/cm	Upper SMCL
General Parameters	Specific conductivity	N/A	N/A	N/A	N/A	2200	umhos/cm	Short-Term SMCL
General Parameters	Hardness	N/A	N/A	N/A	N/A	N/A	N/A	N/A
General Parameters	Coliform bacteria	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Benzenes	1,2,3-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Benzenes	1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	5	ug/L	Cal MCL
Halogenated Benzenes	1,2-Dichlorobenzene	N/A	N/A	304	SWGW RBSL	600	ug/L	Primary MCL
Halogenated Benzenes	1,3-Dichlorobenzene	N/A	N/A	548	SWGW RBSL	600	ug/L	Archived Advisory
Halogenated Benzenes	1,4-Dichlorobenzene	N/A	N/A	0.482	SWGW RBSL	5	ug/L	Cal MCL
Halogenated Benzenes	Bromobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Benzenes	Chlorobenzene	N/A	N/A	77.7	SWGW RBSL	70	ug/L	Cal MCL
Halogenated Benzenes	Dichlorobenzenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethanes	1,1,1,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethanes	1,1,2,2-Tetrachloroethane	N/A	N/A	0.0757	SWGW RBSL	1	ug/L	Cal MCL
Halogenated Ethanes	1,1,2-Trichloroethane	N/A	N/A	0.275	SWGW RBSL	5	ug/L	Primary MCL
Halogenated Ethanes	1,1,1-Trichloroethane	N/A	N/A	1970	SWGW RBSL	200	ug/L	Primary MCL
Halogenated Ethanes	1,2-Dichloroethane	N/A	N/A	0.171	SWGW RBSL	0.5	ug/L	Cal MCL
Halogenated Ethanes	1,1-Dichloroethane	N/A	N/A	2.75	SWGW RBSL	5	ug/L	Cal MCL
Halogenated Ethanes	Chloroethane	N/A	N/A	8340	SWGW RBSL	16	ug/L	Taste/Odor
Halogenated Ethanes	2-Chloro-1,1,1-trifluoroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethanes	1,2-Dibromoethane	N/A	N/A	N/A	N/A	0.05	ug/L	Primary MCL
Halogenated Ethanes	Dichlorodifluoroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethanes	1,1,2-Trichloro-1,2,2-trifluoroethane	N/A	N/A	10200	N/A	1200	ug/L	Cal MCL
Halogenated Ethanes	1,2-Dichloro-1,1,2-trifluoroethane	N/A	N/A	10200	SWGW RBSL	N/A	N/A	N/A
Halogenated Ethanes	Dichlorotrifluoroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethanes	2,2-Dichloro-1,1,1-trifluoroethane	N/A	N/A	10200	SWGW RBSL	N/A	N/A	N/A
Halogenated Ethanes	Trichlorotrifluorethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Ethenes	1,2-Dichloroethene	N/A	N/A	67.8	SWGW RBSL	N/A	N/A	N/A
Halogenated Ethenes	Chlorotrifluoroethylene	N/A	N/A	0.0836	SWGW RBSL	N/A	N/A	N/A
Halogenated Ethenes	Tetrachloroethene	N/A	N/A	0.0836	SWGW RBSL	5	ug/L	Primary MCL
Halogenated Ethenes	Trichloroethene	N/A	N/A	0.494	SWGW RBSL	5	ug/L	Primary MCL
Halogenated Ethenes	cis-1,2-Dichloroethene	N/A	N/A	11.4	SWGW RBSL	6	ug/L	Cal MCL
Halogenated Ethenes	trans-1,2-Dichloroethene	N/A	N/A	67.8	SWGW RBSL	10	ug/L	Cal MCL
Halogenated Ethenes	1,1-Dichloroethene	N/A	N/A	126	SWGW RBSL	6	ug/L	Cal MCL
Halogenated Ethenes	Vinyl chloride	N/A	N/A	0.00969	SWGW RBSL	0.5	ug/L	Cal MCL
Halogenated Methanes	Dichlorofluoromethane	N/A	N/A	197	SWGW RBSL	N/A	N/A	N/A
Halogenated Methanes	Isocyanomethane	N/A	N/A	N/A	SWGW RBSL	N/A	N/A	N/A
Halogenated Methanes	Carbon Tetrachloride	N/A	N/A	0.455	SWGW RBSL	0.5	ug/L	Cal MCL
Halogenated Methanes	Chloroform	N/A	N/A	0.221	SWGW RBSL	80	ug/L	Primary MCL
Halogenated Methanes	Methylene chloride	N/A	N/A	1.74	SWGW RBSL	5	ug/L	Primary MCL
Halogenated Methanes	Chloromethane	N/A	N/A	23.9	SWGW RBSL	N/A	N/A	N/A
Halogenated Methanes	Trichlorofluoromethane	N/A	N/A	1690	SWGW RBSL	150	ug/L	Cal MCL
Halogenated Methanes	Dichlorodifluoromethane	N/A	N/A	197	SWGW RBSL	1000	ug/L	Notification Level
Halogenated Methanes	Bromochloromethane	N/A	N/A	83.4	SWGW RBSL	34000	ug/L	Taste/Odor
Halogenated Methanes	Bromodichloromethane	N/A	N/A	0.134	SWGW RBSL	80	ug/L	Primary MCL
Halogenated Methanes	Bromoform	N/A	N/A	3.29	SWGW RBSL	80	ug/L	Primary MCL
Halogenated Methanes	Bromomethane	N/A	N/A	7.55	SWGW RBSL	N/A	N/A	N/A
Halogenated Methanes	Dibromochloromethane	N/A	N/A	0.205	SWGW RBSL	80	ug/L	Primary MCL
Halogenated Methanes	Dibromomethane	N/A	N/A	8.34	SWGW RBSL	N/A	N/A	N/A
Halogenated Methanes	Iodomethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Propene/Propanes	cis-1,4-Dichloro-2-butene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Propene/Propanes	Dichloropropane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Propene/Propanes	sec-Dichloropropane	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
Halogenated Propene/Propanes	1,1-Dichloropropene	N/A	N/A	0.44	SWGW RBSL	N/A	N/A	N/A
Halogenated Propene/Propanes	1,2,3-Trichloropropane	N/A	N/A	0.000199	SWGW RBSL	0.005	ug/L	Cal MCL
Halogenated Propene/Propanes	3-Chloro-2(Chloromethyl)-1-Propene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Halogenated Propene/Propanes	1,2-Dibromo-3-chloropropane	N/A	N/A	N/A	N/A	0.2	ug/L	Primary MCL
Halogenated Propene/Propanes	1,2-Dichloropropane	N/A	N/A	0.85	SWGW RBSL	5	ug/L	Primary MCL
Halogenated Propene/Propanes	1,3-Dichloropropane	N/A	N/A	0.85	SWGW RBSL	N/A	N/A	N/A
Halogenated Propene/Propanes	1,3-Dichloropropene	N/A	N/A	0.471	SWGW RBSL	0.5	ug/L	Cal MCL
Halogenated Propene/Propanes	Allyl chloride	N/A	N/A	N/A	N/A	8.9	ug/L	Taste/Odor
Halogenated Propene/Propanes	cis-1,3-Dichloropropene	N/A	N/A	0.471	SWGW RBSL	0.5	ug/L	Cal MCL
Halogenated Propene/Propanes	trans-1,3-Dichloropropene	N/A	N/A	0.47	SWGW RBSL	N/A	N/A	N/A
Herbicides	2,4,5-Trichlorophenoxypropionic acid (Silvex)	N/A	N/A	111	SWGW RBSL	50	ug/L	Primary MCL
Herbicides	2,4-Dichlorophenoxyacetic Acid (2,4-D)	N/A	N/A	175	SWGW RBSL	70	ug/L	Primary MCL
Herbicides	2,4,5-Trichlorophenoxyacetic acid	N/A	N/A	175	SWGW RBSL	N/A	N/A	N/A
Herbicides	Dalapon	N/A	N/A	N/A	N/A	200	ug/L	Primary MCL
Herbicides	Dinoseb	N/A	N/A	N/A	N/A	7	ug/L	Primary MCL
Herbicides	MCPP	N/A	N/A	15.7	SWGW RBSL	N/A	N/A	N/A
Herbicides	Propachlor	N/A	N/A	N/A	N/A	90	ug/L	Notification Level
Inorganics	Carbon Dioxide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Dissolved Organic Carbon	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Phosphite (PO3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Bicarbonate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Calcium, Dissolved	270000	SSFL	N/A	N/A	N/A	N/A	N/A
Inorganics	Carbonate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Chlorine	N/A	N/A	N/A	N/A	4000	ug/L	Primary MCL
Inorganics	Iron Oxide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Redox Potential	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Silica, Dissolved	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Silicon, Dissolved	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Specific gravity	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Sulfide, Dissolved	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Alkalinity	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Alkalinity as CaCO3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Ammonia-N	N/A	N/A	N/A	N/A	30000	ug/L	Taste/Odor
Inorganics	Bicarbonate Alkalinity as CaCO3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Bromide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Carbonate Alkalinity as CaCO3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Calcium	270000	SSFL	N/A	N/A	N/A	N/A	N/A
Inorganics	Cation/Anion Balance (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Chloride	N/A	N/A	N/A	N/A	250000	ug/L	Secondary MCL
Inorganics	Chlorate	N/A	N/A	N/A	N/A	800	ug/L	Notification Level
Inorganics	Dissolved oxygen	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Cyanides	N/A	N/A	1.46	SWGW RBSL	150	ug/L	Cal MCL
Inorganics	Fluoride	1000	SSFL	799	SWGW RBSL	2000	ug/L	Cal MCL
Inorganics	Nitrate-NO3	N/A	N/A	N/A	N/A	45000	ug/L	Primary MCL
Inorganics	Nitrate-N	N/A	N/A	N/A	N/A	10000	ug/L	Primary MCL
Inorganics	Nitrite-N	N/A	N/A	N/A	N/A	1000	ug/L	Primary MCL
Inorganics	Phosphate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Sulfate	521000	SSFL	N/A	N/A	N/A	N/A	N/A
Inorganics	Sulfide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Total Dissolved Solids	N/A	N/A	N/A	N/A	500000	ug/L	Recommended SMCL
Inorganics	Total Dissolved Solids	N/A	N/A	N/A	N/A	1000000	ug/L	Upper SMCL
Inorganics	Total Dissolved Solids	N/A	N/A	N/A	N/A	1500000	ug/L	Short-Term SMCL
Inorganics	Total Kjeldahl nitrogen	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Total Organic Carbon	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inorganics	Total Suspended Solids	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metals	Aluminum, Dissolved	243	SSFL	20000	SWGW RBSL	200	ug/L	Secondary MCL
Metals	Boron, Dissolved	410	SSFL	3990	SWGW RBSL	1000	ug/L	Notification Level
Metals	Tin, Dissolved	0.77	SSFL	12000	SWGW RBSL	N/A	N/A	N/A
Metals	Antimony, Dissolved	2.5	SSFL	7.79	SWGW RBSL	6	ug/L	Primary MCL
Metals	Arsenic, Dissolved	7.7	SSFL	0.00816	SWGW RBSL	10	ug/L	Primary MCL
Metals	Barium, Dissolved	150	SSFL	3770	SWGW RBSL	1000	ug/L	Cal MCL
Metals	Beryllium, Dissolved	0.27	SSFL	3.99	SWGW RBSL	4	ug/L	Primary MCL
Metals	Cadmium, Dissolved	0.5	SSFL	1.84	SWGW RBSL	5	ug/L	Primary MCL
Metals	Chromium, Dissolved	14	SSFL	22500	SWGW RBSL	50	ug/L	Cal MCL
Metals	Cobalt, Dissolved	3.6	SSFL	6.01	SWGW RBSL	N/A	N/A	N/A
Metals	Copper, Dissolved	6.4	SSFL	799	SWGW RBSL	N/A	N/A	N/A
Metals	Hexavalent Chromium, Dissolved	0.0519	SSFL	0.035	SWGW RBSL	10	ug/L	Cal MCL
Metals	Iron, Dissolved	4100	SSFL	N/A	N/A	300	ug/L	Secondary MCL
Metals	Lead, Dissolved	11	SSFL	15	SWGW RBSL	N/A	N/A	N/A
Metals	Magnesium, Dissolved	77000	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Manganese, Dissolved	450	SSFL	434	SWGW RBSL	500	ug/L	Notification Level
Metals	Mercury, Dissolved	0.1	SSFL	0.0613	SWGW RBSL	2	ug/L	Primary MCL
Metals	Molybdenum, Dissolved	8	SSFL	99.8	SWGW RBSL	N/A	N/A	N/A
Metals	Nickel, Dissolved	17	SSFL	216	SWGW RBSL	100	ug/L	Cal MCL
Metals	Potassium, Dissolved	9600	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Selenium, Dissolved	5	SSFL	99.8	SWGW RBSL	50	ug/L	Primary MCL
Metals	Silver, Dissolved	0.63	SSFL	94.1	SWGW RBSL	100	ug/L	Secondary MCL
Metals	Sodium, Dissolved	210000	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Strontium, Dissolved	1000	SSFL	12000	SWGW RBSL	N/A	N/A	N/A
Metals	Thallium, Dissolved	0.21	SSFL	0.2	SWGW RBSL	2	ug/L	Primary MCL
Metals	Vanadium, Dissolved	4.5	SSFL	86.4	SWGW RBSL	50	ug/L	Notification Level
Metals	Zinc, Dissolved	6300	SSFL	6000	SWGW RBSL	5000	ug/L	Secondary MCL
Metals	Zirconium	2	SSFL	1.6	SWGW RBSL	N/A	N/A	N/A
Metals	Zirconium, dissolved	2	SSFL	1.6	SWGW RBSL	N/A	N/A	N/A
Metals	Aluminum	243	SSFL	20000	SWGW RBSL	1000	ug/L	Cal MCL
Metals	Antimony	2.5	SSFL	7.79	SWGW RBSL	6	ug/L	Primary MCL
Metals	Arsenic	7.7	SSFL	0.00816	SWGW RBSL	10	ug/L	Primary MCL
Metals	Barium	150	SSFL	3770	SWGW RBSL	1000	ug/L	Cal MCL
Metals	Beryllium	0.27	SSFL	3.99	SWGW RBSL	4	ug/L	Primary MCL
Metals	Boron	410	SSFL	3990	SWGW RBSL	1000	ug/L	Notification Level
Metals	Cadmium	0.5	SSFL	1.84	SWGW RBSL	5	ug/L	Primary MCL
Metals	Chromium	14	SSFL	22500	SWGW RBSL	50	ug/L	Cal MCL
Metals	Cobalt	3.6	SSFL	6.01	SWGW RBSL	N/A	N/A	N/A
Metals	Copper	6.4	SSFL	799	SWGW RBSL	N/A	N/A	N/A
Metals	Hexavalent Chromium	0.0519	SSFL	0.035	SWGW RBSL	10	ug/L	Cal MCL
Metals	Iron	4100	SSFL	N/A	N/A	300	ug/L	Secondary MCL
Metals	Lead	11	SSFL	15	SWGW RBSL	N/A	N/A	N/A
Metals	Magnesium	77000	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Manganese	450	SSFL	434	SWGW RBSL	500	ug/L	Notification Level
Metals	Mercury	0.1	SSFL	0.0613	SWGW RBSL	2	ug/L	Primary MCL
Metals	Molybdenum	8	SSFL	99.8	SWGW RBSL	N/A	N/A	N/A
Metals	Nickel	17	SSFL	216	SWGW RBSL	100	ug/L	Cal MCL
Metals	Potassium	9600	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Selenium	5	SSFL	99.8	SWGW RBSL	50	ug/L	Primary MCL
Metals	Silver	0.63	SSFL	94.1	SWGW RBSL	100	ug/L	Secondary MCL
Metals	Sodium	210000	SSFL	N/A	N/A	N/A	N/A	N/A
Metals	Strontium	1000	SSFL	12000	SWGW RBSL	N/A	N/A	N/A

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
Metals	Thallium	0.21	SSFL	0.2	SWGW RBSL	2	ug/L	Primary MCL
Metals	Tin	0.77	SSFL	12000	SWGW RBSL	N/A	N/A	N/A
Metals	Vanadium	4.5	SSFL	86.4	SWGW RBSL	50	ug/L	Notification Level
Metals	Zinc	6300	SSFL	6000	SWGW RBSL	5000	ug/L	Secondary MCL
NDMA	n-Nitrosodimethylamine	N/A	N/A	0.000112	SWGW RBSL	0.01	ug/L	Notification Level
Non-Halogenated VOCs	Total Complex Matrix	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	1-Chlorohexane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	1-Hexanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	1-Octanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	2-Heptanone	N/A	N/A	N/A	N/A	280	ug/L	Taste/Odor
Non-Halogenated VOCs	2-Naphthaleneethanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Acetic Acid Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Acetic Acid, 2-Methylpropyl Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Acetic Acid, Butyl Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Acetic Acid, Hexyl Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Benzene, 1-Bromo-3-fluoro-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Benzyl chloride	N/A	N/A	N/A	N/A	12	ug/L	Taste/Odor
Non-Halogenated VOCs	Butanoic Acid, Ethyl Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Butyl Cyclooctane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Cumene	N/A	N/A	451	SWGW RBSL	770	ug/L	Notification Level
Non-Halogenated VOCs	Ethanol	N/A	N/A	N/A	N/A	760000	ug/L	Taste/Odor
Non-Halogenated VOCs	Ethanone, 1-(2,4,6-Trihydroxyphenyl)-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Ethyl acetate	N/A	N/A	N/A	N/A	2600	ug/L	Taste/Odor
Non-Halogenated VOCs	Ethyl cyanide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Ethyl ether	N/A	N/A	N/A	N/A	750	ug/L	Taste/Odor
Non-Halogenated VOCs	Formic acid, octyl ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Heptanal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Hexanoic Acid, Ethyl Ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Methanol	N/A	N/A	N/A	N/A	740000	ug/L	Taste/Odor
Non-Halogenated VOCs	Methyl sulfide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	m-Xylene & p-Xylene	N/A	N/A	193	SWGW RBSL	1750	ug/L	Cal MCL
Non-Halogenated VOCs	Naphthalene, 1-(2-Propenyl)-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	n-Hexane	N/A	N/A	N/A	N/A	6.4	ug/L	Taste/Odor
Non-Halogenated VOCs	Octanal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	p-Cymene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Pentanal	N/A	N/A	N/A	N/A	17	ug/L	Taste/Odor
Non-Halogenated VOCs	Propanoic Acid, 2-Methyl-, ethyl ester	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	sec-Butyl alcohol	N/A	N/A	N/A	N/A	19000	ug/L	Taste/Odor
Non-Halogenated VOCs	tert-Butyl alcohol	N/A	N/A	154	SWGW RBSL	12	ug/L	Notification Level
Non-Halogenated VOCs	tert-Butyl ethyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Tetrahydrofuran	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Tetramethylurea	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Trimethylcyclopentane Isomer	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	1,3,5-Trimethylbenzene	N/A	N/A	60.3	SWGW RBSL	330	ug/L	Notification Level
Non-Halogenated VOCs	Biphenyl	N/A	N/A	N/A	N/A	0.5	ug/L	Taste/Odor
Non-Halogenated VOCs	1,2,4-Trimethylbenzene	N/A	N/A	55.7	SWGW RBSL	330	ug/L	Notification Level
Non-Halogenated VOCs	2-Hexanone	N/A	N/A	N/A	N/A	250	ug/L	Taste/Odor
Non-Halogenated VOCs	Acetone	N/A	N/A	18000	SWGW RBSL	20000	ug/L	Taste/Odor
Non-Halogenated VOCs	Acetonitrile	N/A	N/A	125	SWGW RBSL	300000	ug/L	Taste/Odor
Non-Halogenated VOCs	Acrolein	N/A	N/A	0.0415	SWGW RBSL	110	ug/L	Taste/Odor
Non-Halogenated VOCs	Acrylonitrile	N/A	N/A	N/A	N/A	9100	ug/L	Taste/Odor
Non-Halogenated VOCs	Benzene	N/A	N/A	0.151	SWGW RBSL	1	ug/L	Cal MCL
Non-Halogenated VOCs	Carbon Disulfide	N/A	N/A	811	SWGW RBSL	160	ug/L	Notification Level
Non-Halogenated VOCs	Diisopropyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Ethane	N/A	N/A	N/A	N/A	7500	ug/L	Taste/Odor
Non-Halogenated VOCs	Ethyl methacrylate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Ethylbenzene	N/A	N/A	1.5	SWGW RBSL	300	ug/L	Cal MCL
Non-Halogenated VOCs	Ethylene	N/A	N/A	N/A	N/A	39	ug/L	Taste/Odor
Non-Halogenated VOCs	Isobutanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	Isopropanol	N/A	N/A	413	SWGW RBSL	160000	ug/L	Taste/Odor
Non-Halogenated VOCs	m-Xylene	N/A	N/A	N/A	N/A	1750	ug/L	Cal MCL
Non-Halogenated VOCs	Methacrylonitrile	N/A	N/A	N/A	N/A	2100	ug/L	Taste/Odor
Non-Halogenated VOCs	Methane	N/A	N/A	3100	SWGW RBSL	N/A	N/A	N/A
Non-Halogenated VOCs	Methyl ethyl ketone	N/A	N/A	5570	SWGW RBSL	8400	ug/L	Taste/Odor
Non-Halogenated VOCs	Methyl isobutyl ketone (MIBK)	N/A	N/A	6260	SWGW RBSL	120	ug/L	Notification Level
Non-Halogenated VOCs	Methyl methacrylate	N/A	N/A	N/A	N/A	25	ug/L	Taste/Odor
Non-Halogenated VOCs	Methyl tert-butyl ether	N/A	N/A	14.3	SWGW RBSL	13	ug/L	Cal MCL
Non-Halogenated VOCs	n-Butylbenzene	N/A	N/A	N/A	N/A	260	ug/L	Notification Level
Non-Halogenated VOCs	n-Propylbenzene	N/A	N/A	656	SWGW RBSL	260	ug/L	Notification Level
Non-Halogenated VOCs	Naphthalene	N/A	N/A	0.117	SWGW RBSL	17	ug/L	Notification Level
Non-Halogenated VOCs	o + p Xylene	N/A	N/A	N/A	N/A	1750	ug/L	Cal MCL
Non-Halogenated VOCs	o-Xylene	N/A	N/A	193	SWGW RBSL	1750	ug/L	Cal MCL
Non-Halogenated VOCs	sec-Butylbenzene	N/A	N/A	589	SWGW RBSL	260	ug/L	Notification Level
Non-Halogenated VOCs	Styrene	N/A	N/A	1140	SWGW RBSL	100	ug/L	Primary MCL
Non-Halogenated VOCs	tert-Amyl methyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Halogenated VOCs	tert-Butylbenzene	N/A	N/A	N/A	N/A	260	ug/L	Notification Level
Non-Halogenated VOCs	Toluene	N/A	N/A	415	SWGW RBSL	150	ug/L	Cal MCL
Non-Halogenated VOCs	Vinyl acetate	N/A	N/A	N/A	N/A	88	ug/L	Taste/Odor
Non-Halogenated VOCs	Xylenes, Total	N/A	N/A	193	SWGW RBSL	1750	ug/L	Cal MCL
Other Halogenated VOCs	1,1-Dichlorobutane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Halogenated VOCs	o-Chlorotoluene	N/A	N/A	N/A	N/A	140	ug/L	Notification Level
Other Halogenated VOCs	p-Chlorotoluene	N/A	N/A	N/A	N/A	140	ug/L	Notification Level
Other Halogenated VOCs	Total Organic Halogens	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Halogenated VOCs	trans-1,4-Dichloro-2-butene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Halogenated VOCs	Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Halogenated VOCs	Chloroprene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Halogenated VOCs	2-Chloroethylvinyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PAH	1-Methyl naphthalene	N/A	N/A	0.461	SWGW RBSL	N/A	N/A	N/A
PAH	2-Methylnaphthalene	N/A	N/A	17.3	SWGW RBSL	N/A	N/A	N/A
PAH	Acenaphthene	N/A	N/A	259	SWGW RBSL	N/A	N/A	N/A
PAH	Acenaphthylene	N/A	N/A	380	SWGW RBSL	N/A	N/A	N/A
PAH	Anthracene	N/A	N/A	3800	SWGW RBSL	N/A	N/A	N/A
PAH	Benzo(a)anthracene	0.0857	SSFL	N/A	N/A	N/A	N/A	N/A
PAH	Benzo(a)pyrene	N/A	N/A	N/A	N/A	0.2	ug/L	Primary MCL
PAH	Benzo(b)fluoranthene	0.118	SSFL	N/A	N/A	N/A	N/A	N/A
PAH	Benzo(ghi)perylene	0.101	SSFL	N/A	N/A	N/A	N/A	N/A
PAH	Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PAH	Chrysene	0.0591	SSFL	N/A	N/A	N/A	N/A	N/A
PAH	Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PAH	Fluoranthene	0.0677	SSFL	802	SWGW RBSL	N/A	N/A	N/A
PAH	Fluorene	0.0749	SSFL	156	SWGW RBSL	N/A	N/A	N/A
PAH	Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PAH	Phenanthrene	0.073	SSFL	1030	SWGW RBSL	N/A	N/A	N/A
PAH	Pyrene	0.0661	SSFL	81.4	SWGW RBSL	N/A	N/A	N/A
PCB	Aroclor 1016	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Polychlorinated biphenyls	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Aroclor 1254	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
PCB	Aroclor 1260	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Aroclor 1221	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Aroclor 1232	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Aroclor 1242	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
PCB	Aroclor 1248	N/A	N/A	N/A	N/A	0.5	ug/L	Primary MCL
Pesticides	4,4′-DDT	0.026	SSFL	N/A	N/A	N/A	N/A	N/A
Pesticides	a-Chlordane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Chlorobenzilate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Diallate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Famphur	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Kepone	N/A	N/A	0.0093	SWGW RBSL	N/A	N/A	N/A
Pesticides	Endosulfan I	N/A	N/A	75	SWGW RBSL	N/A	N/A	N/A
Pesticides	Endosulfan II	N/A	N/A	75	SWGW RBSL	N/A	N/A	N/A
Pesticides	Endrin ketone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	gamma-BHC	N/A	N/A	0.0415	SWGW RBSL	0.2	ug/L	Primary MCL
Pesticides	gamma-Chlordane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Methyl parathion	N/A	N/A	N/A	N/A	2	ug/L	Archived Advisory
Pesticides	p,p'-Methoxychlor	N/A	N/A	N/A	N/A	30	ug/L	Cal MCL
Pesticides	Parathion	N/A	N/A	N/A	N/A	40	ug/L	Archived Advisory
Pesticides	Tetra ethyldithiopyrophosphate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	y-Chlordane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Endosulfan sulfate	N/A	N/A	75	SWGW RBSL	N/A	N/A	N/A
Pesticides	4,4'-DDE	0.0085	SSFL	0.44	SWGW RBSL	N/A	N/A	N/A
Pesticides	Aldrin	N/A	N/A	0.000917	SWGW RBSL	0.002	ug/L	Archived Advisory
Pesticides	alpha-BHC	N/A	N/A	0.00725	SWGW RBSL	0.015	ug/L	Archived Advisory
Pesticides	beta-BHC	N/A	N/A	N/A	N/A	0.025	ug/L	Archived Advisory
Pesticides	Chlordane	N/A	N/A	N/A	N/A	0.1	ug/L	Cal MCL
Pesticides	delta-BHC	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Dieldrin	N/A	N/A	N/A	N/A	0.002	ug/L	Archived Advisory
Pesticides	Dimethoate	N/A	N/A	N/A	N/A	1	ug/L	Archived Advisory
Pesticides	Disulfoton	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	4,4'-DDD	N/A	N/A	0.62	SWGW RBSL	N/A	N/A	N/A
Pesticides	Toxaphene	N/A	N/A	N/A	N/A	3	ug/L	Primary MCL
Pesticides	Endrin	N/A	N/A	N/A	N/A	2	ug/L	Primary MCL
Pesticides	Endrin aldehyde	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides	Heptachlor	N/A	N/A	0.00139	SWGW RBSL	0.01	ug/L	Cal MCL
Pesticides	Heptachlor epoxide	N/A	N/A	N/A	N/A	0.01	ug/L	Cal MCL
Pesticides	Phorate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Radiochemistry	Actinium-228	N/A	N/A	N/A	N/A	3270	pCi/L	Primary MCL [b]
Radiochemistry	Antimony-125	N/A	N/A	N/A	N/A	300	pCi/L	Primary MCL [a]
Radiochemistry	Barium-133	N/A	N/A	N/A	N/A	1520	pCi/L	Primary MCL [b]
Radiochemistry	Barium-137m	N/A	N/A	N/A	N/A	2150000	pCi/L	Primary MCL [b]
Radiochemistry	Bismuth-212	N/A	N/A	N/A	N/A	5200	pCi/L	Primary MCL [b]
Radiochemistry	Bismuth-214	N/A	N/A	N/A	N/A	18900	pCi/L	Primary MCL [b]
Radiochemistry	Carbon-14	N/A	N/A	N/A	N/A	2000	pCi/L	Primary MCL [a]
Radiochemistry	Cesium-134	N/A	N/A	N/A	N/A	80	pCi/L	Primary MCL [a]
Radiochemistry	Cesium-137	N/A	N/A	N/A	N/A	200	pCi/L	Primary MCL [a]
Radiochemistry	Cobalt-57	N/A	N/A	N/A	N/A	1000	pCi/L	Primary MCL [a]
Radiochemistry	Cobalt-60	N/A	N/A	N/A	N/A	100	pCi/L	Primary MCL [a]
Radiochemistry	Europium-152	N/A	N/A	N/A	N/A	200	pCi/L	Primary MCL [a]
Radiochemistry	Europium-154	N/A	N/A	N/A	N/A	60	pCi/L	Primary MCL [a]
Radiochemistry	Gross alpha	N/A	N/A	N/A	N/A	15	pCi/L	Primary MCL
Radiochemistry	Gross beta	N/A	N/A	N/A	N/A	50	pCi/L	Cal MCL
Radiochemistry	Gross beta	N/A	N/A	N/A	N/A	4	mrem/yr	Primary MCL
Radiochemistry	Iodine-129	N/A	N/A	N/A	N/A	1	pCi/L	Primary MCL [a]
Radiochemistry	Lead-210	N/A	N/A	N/A	N/A	1	pCi/L	Primary MCL [b]
Radiochemistry	Lead-212	N/A	N/A	N/A	N/A	123	pCi/L	Primary MCL [b]
Radiochemistry	Lead-214	N/A	N/A	N/A	N/A	11800	pCi/L	Primary MCL [b]
Radiochemistry	Potassium-40	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Radiochemistry	Manganese-54	N/A	N/A	N/A	N/A	300	pCi/L	Primary MCL [a]
Radiochemistry	Neptunium-236	N/A	N/A	N/A	N/A	5960	pCi/L	Primary MCL [b]
Radiochemistry	Niobium-94	N/A	N/A	N/A	N/A	707	pCi/L	Primary MCL [b]
Radiochemistry	Radium-226/228	N/A	N/A	N/A	N/A	5	pCi/L	Primary MCL
Radiochemistry	Sodium-22	N/A	N/A	N/A	N/A	400	pCi/L	Primary MCL [a]
Radiochemistry	Strontium-90	N/A	N/A	N/A	N/A	8	pCi/L	Primary MCL
Radiochemistry	Thallium-208	N/A	N/A	N/A	N/A	283000	pCi/L	Primary MCL [b]
Radiochemistry	Thorium-234	N/A	N/A	N/A	N/A	401	pCi/L	Primary MCL [b]
Radiochemistry	Thulium-171	N/A	N/A	N/A	N/A	1000	pCi/L	Primary MCL [a]
Radiochemistry	Tin-126	N/A	N/A	N/A	N/A	293	pCi/L	Primary MCL [b]
Radiochemistry	Tritium	N/A	N/A	N/A	N/A	20000	pCi/L	Primary MCL
Radiochemistry	Uranium-233/234	N/A	N/A	N/A	N/A	20	pCi/L	Cal MCL
Radiochemistry	Uranium-235	N/A	N/A	N/A	N/A	20	pCi/L	Cal MCL
Radiochemistry	Uranium-238	N/A	N/A	N/A	N/A	20	pCi/L	Cal MCL
Radiochemistry	Uranium, Total	N/A	N/A	N/A	N/A	20	pCi/L	Cal MCL
SVOC	2-n-Butoxyethanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Amino Hexanoic Acid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Benzene Alcohol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Benzophenone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Carboxylic Acid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Decanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dibenzyl Ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dichloro Alkene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dichloromethylpropene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dichloropropene, NOS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dimethyl Decene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dimethyl Undecane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Diphenyl ether	N/A	N/A	630	SWGW RBSL	N/A	N/A	N/A
SVOC	Molecular Sulfur	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	p-Cresol	N/A	N/A	371	SWGW RBSL	N/A	N/A	N/A
SVOC	p-Dinitrobenzene	N/A	N/A	1.95	SWGW RBSL	N/A	N/A	N/A
SVOC	Trimethyl Decane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1,1-Dimethylhydrazine	N/A	N/A	0.00416	SWGW RBSL	N/A	N/A	N/A
SVOC	1,2-Dinitrobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1-Chloronaphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1-Nitronaphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,3,4-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4-Am-2,6-DNT	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4-Nitroquinoline-1-oxide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Acetamidofluorene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	alpha, alpha-Dimethylphenethylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	alpha-Naphthylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	alpha-Picoline	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	beta-Naphthylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Carbazole	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Decamethylcyclopentasiloxane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Diazinon	N/A	N/A	N/A	N/A	1.2	ug/L	Notification Level
SVOC	Dibenz(a,j)acridine	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
SVOC	Diethyl phthalate	N/A	N/A	14800	SWGW RBSL	N/A	N/A	N/A
SVOC	Ethylene glycol	N/A	N/A	N/A	N/A	14000	ug/L	Notification Level
SVOC	Formaldehyde	N/A	N/A	0.386	SWGW RBSL	100	ug/L	Notification Level
SVOC	Hydrazine	N/A	N/A	0.0011	SWGW RBSL	160000	ug/L	Taste/Odor
SVOC	m+p Cresol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	m-Cresol	N/A	N/A	N/A	N/A	37	ug/L	Taste/Odor
SVOC	Monomethylhydrazine	N/A	N/A	0.000138	SWGW RBSL	N/A	N/A	N/A
SVOC	o-Cresol	N/A	N/A	926	SWGW RBSL	N/A	N/A	N/A
SVOC	p-Chloroaniline	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	p-Nitroaniline	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Surfactants	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	sym-Trinitrobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Zinophos	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1,1'-Phenylene-Bis-Ethanone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1,2,3-Trichloropropene	N/A	N/A	N/A	N/A	N/A	ug/L	N/A
SVOC	1,2,4,5-Tetrachlorobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1,2-Diphenylhydrazine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	1,3-Dinitrobenzene	N/A	N/A	2	SWGW RBSL	N/A	N/A	N/A
SVOC	1,4-Naphthoquinone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,3,4,6-Tetrachlorophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,4,5-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,4,6-Trichlorophenol	N/A	N/A	2.1	SWGW RBSL	N/A	N/A	N/A
SVOC	2,4-Dichlorophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,4-Dimethylphenol	N/A	N/A	N/A	N/A	100	ug/L	Archived Advisory
SVOC	2,4-Dinitrophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,4-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,6-Dichlorophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2,6-Dinitrotoluene	N/A	N/A	0.0485	SWGW RBSL	N/A	N/A	N/A
SVOC	2-Butoxyethoxyethanol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2-Chloronaphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2-Chlorophenol	N/A	N/A	28.6	SWGW RBSL	N/A	N/A	N/A
SVOC	2-Nitroaniline	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	2-Nitrophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	3,3'-Dichlorobenzidine	N/A	N/A	0.12	SWGW RBSL	N/A	N/A	N/A
SVOC	3-Methylcholanthrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	3-Nitroaniline	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4,6-Dinitro-o-cresol	N/A	N/A	1.3	SWGW RBSL	N/A	N/A	N/A
SVOC	4-Aminobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4-Bromophenyl phenyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4-Chlorophenylphenyl ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	4-Nitrophenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	5-Nitro-o-toluidine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	7,12-Dimethylbenz(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Acetophenone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Alkene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Aniline	N/A	N/A	N/A	N/A	65000	ug/L	Taste/Odor
SVOC	Aramite	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Azobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Benzidine	N/A	N/A	0.0003	SWGW RBSL	N/A	N/A	N/A
SVOC	Benzo (b+k) fluoranthene (Total)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Benzoic acid	N/A	N/A	75200	SWGW RBSL	N/A	N/A	N/A
SVOC	Benzyl alcohol	N/A	N/A	1960	SWGW RBSL	N/A	N/A	N/A
SVOC	bis(2-Chloroethoxy)methane	N/A	N/A	38	SWGW RBSL	N/A	N/A	N/A
SVOC	bis(2-Chloroethyl) ether	N/A	N/A	0.00627	N/A	360	ug/L	Taste/Odor
SVOC	bis(2-Chloroisopropyl) ether	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	bis(2-Ethylhexyl) phthalate	N/A	N/A	5.56	SWGW RBSL	4	ug/L	Cal MCL
SVOC	Butyl benzyl phthalate	N/A	N/A	16.3	SWGW RBSL	N/A	N/A	N/A
SVOC	Di-n-butyl phthalate	N/A	N/A	902	SWGW RBSL	N/A	N/A	N/A
SVOC	Di-n-octyl phthalate	N/A	N/A	201	SWGW RBSL	N/A	N/A	N/A
SVOC	Dibenzofuran	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Dimethyl phthalate	N/A	N/A	15600	SWGW RBSL	N/A	N/A	N/A
SVOC	Diphenylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Ethyl methanesulfonate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Hexachlorobenzene	N/A	N/A	N/A	N/A	1	ug/L	Primary MCL
SVOC	Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	50	ug/L	Primary MCL
SVOC	Hexachloroethane	N/A	N/A	N/A	N/A	10	ug/L	Taste/Odor
SVOC	Hexachlorophene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Hexachloropropene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Isodrin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Isophorone	N/A	N/A	N/A	N/A	5400	ug/L	Taste/Odor
SVOC	Isosafrole	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Methapyrilene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Methyl methanesulfonate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	n-Nitrosodi-n-butylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	n-Nitrosodi-n-propylamine	N/A	N/A	0.0108	SWGW RBSL	0.01	ug/L	Notification Level
SVOC	n-Nitrosodiethylamine	N/A	N/A	N/A	N/A	0.01	ug/L	Notification Level
SVOC	n-Nitrosodiphenylamine	N/A	N/A	16	SWGW RBSL	N/A	N/A	N/A
SVOC	n-Nitrosomethylethylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	n-Nitrosomorpholine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	n-Nitrosopiperidine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	n-Nitrosopyrrolidine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Nitrobenzene	N/A	N/A	N/A	N/A	110	ug/L	Taste/Odor
SVOC	o,o,o-Triethylphosphorothioate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	o-Tolidine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	o-Toluidine	N/A	N/A	N/A	N/A	11000	ug/L	Taste/Odor
SVOC	p-Chloro-m-cresol	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	p-Dimethylaminoazobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	p-Phenylenediamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Pentachlorobenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Pentachloroethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Pentachloronitrobenzene	N/A	N/A	N/A	N/A	20	ug/L	Archived Advisory
SVOC	Pentachlorophenol	N/A	N/A	N/A	N/A	1	ug/L	Primary MCL
SVOC	Phenacetin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Phenol	N/A	N/A	5770	SWGW RBSL	600	ug/L	Archived Advisory
SVOC	Pronamide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Pyridine	N/A	N/A	N/A	N/A	950	ug/L	Taste/Odor
SVOC	Safrole	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Tetrachloropropene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C4-C12, as heavy Hydrocarbons	N/A	N/A	500	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C14, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C15, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C16, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C16, C21-C24, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C7	N/A	N/A	500	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C6-C7, C10-C16, as kerosene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C7-C10, as gasoline	N/A	N/A	N/A	N/A	5	ug/L	Taste/Odor
TPH	Fuel Hydrocarbons, C7-C14, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A

TABLE 8
GROUNDWATER SCREENING REFERENCE VALUES
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte Group	Chemical Analyte	Background Concentration (ug/L)	Reference	Risk-Based Screening Value (ug/L)	Reference	Other Screening Value	Units	Other Screening Type
TPH	Fuel Hydrocarbons, C7-C16, as JP-4	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C8-C10, as gasoline	N/A	N/A	N/A	N/A	5	ug/L	Taste/Odor
TPH	Fuel Hydrocarbons, C8-C12, as heavy Hydrocarbons	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Fuel Hydrocarbons, C8-C14, as heavy Hydrocarbons	N/A	N/A	1800	SWGW RBSL	N/A	N/A	N/A
TPH	Gasoline Range Organics (C4-C12)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Gasoline Range Organics (C6-C14)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Gasoline Range Organics (C6-C7)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Gasoline Range Organics (C7-C12)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Total Extractable Hydrocarbons C10-C18	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Total Hydrocarbons C8-C18	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Diesel Range Organics	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C12-C14)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C13-C22)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C14-C20)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C15-C20)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C20-C30)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C21-C24)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C21-C30)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C8-C11)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Diesel Range Organics (C8-C30)	N/A	N/A	78.6	SWGW RBSL	100	ug/L	Taste/Odor
TPH	Fuel Hydrocarbons, C6-C17, as JP-4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Gasoline Range Organics (C8-C11)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Jet Fuel 4 (C6-C13)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Kerosene (C10-C12)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Kerosene (C10-C14)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Kerosene (C6-C14)	N/A	N/A	N/A	N/A	100	ug/L	Taste/Odor
TPH	Kerosene Range Organics (C11-C14)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Oil Range Organics (C23-C32)	N/A	N/A	602	SWGW RBSL	N/A	N/A	N/A
TPH	Total Petroleum Hydrocarbons	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Total Petroleum Hydrocarbons (as Kerosene)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Total Volatile Hydrocarbons	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Gasoline Range Organics	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	Gasoline Range Organics (C6-C12)	N/A	N/A	234	SWGW RBSL	5	ug/L	Taste/Odor
TPH	TRPH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Total Extractable Hydrocarbons C16-C25	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH	Petroleum Hydrocarbons	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes and Abbreviations:

(a) - isotope-specific MCL for beta emitters based on Primary MCL of 4 mrem/yr critical organ dose limit for gross beta (EPA, 2000b)
(b) - isotope-specific MCL for beta emitters based on the 4 mrem/yr effective dose equivalent for gross beta (EPA, 2000b)
Cal MCL - California Primary Maximum Contaminant Level
mrem/yr - millirem per year
N/A - not applicable
NDMA - n-Nitrosodimethylamine
NTU - nephelometric turbidity units
PAH - polycyclic aromatic hydrocarbon
PCB - polychlorinated biphenyl
pCi/L - picocuries per liter
Primary MCL - Primary Maximum Contaminant Level
Secondary MCL - Secondary Maximum Contaminant Level
SMCL - Secondary Maximum Contaminant Level
SSFL Comparison - site-specific background values for metals developed by DTSC (Stantec 2022a)
SVOC - semi volatile organic compound
SWGW RBSL - Site-Wide Groundwater Risk-Based Screening Level (Stantec 2022b), developed using process defined in draft groundwater remedial investigation report (MWH 2009).
Taste/Odor - Taste/Odor Threshold
TPH - total petroleum hydrocarbons
ug/L - micrograms per liter
umhos/cm - micromhos per centimeter
VOCs - volatile organic compounds

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TABLE 9
FIRST-TIME DETECTS AND NEW MAXIMUM CONCENTRATIONS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Well Identifier	Groundwater Impact Area	Fraction	New Detection	New Maximum Detection	Quarter	Result	Qualifiers	Unit	Historical Range	Greater Than SSFL Background	Greater Than RBSL	Greater Than Other
1,2-Dichloroethane	RD-21	FSDF B4886	Total	No	Yes	Q1	0.8	J/J	ug/l	.26 - .26	N/A	Yes	Yes
1,4-Dioxane	C-08	FSDF B4886	Total	No	Yes	Q1	0.231	J/J	ug/l	.16 - .16	N/A	No	No
1,4-Dioxane	DD-142	B4057/4059/4626	Total	Yes	Yes	Q1	0.114	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	DD-147	Tritium Plume	Total	No	Yes	Q1	1.6	---	ug/l	.76 - .76	N/A	Yes	Yes
1,4-Dioxane	DD-157	B4457 HMSA	Total	Yes	Yes	Q1	0.0474	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	DS-47	B4064	Total	Yes	Yes	Q3	0.14	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	PZ-162	HMSA	Total	No	Yes	Q1	0.698	---	ug/l	.23 - .54	N/A	Yes	No
1,4-Dioxane	RD-19	B4133	Total	Yes	Yes	Q1	0.0474	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	RD-24	B4057/4059/4626	Total	Yes	Yes	Q1	0.476	---	ug/l	---	N/A	Yes	No
1,4-Dioxane	RD-54B	FSDF B4886	Total	Yes	Yes	Q1	0.0708	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	RD-59B	Offsite	Total	Yes	Yes	Q1	0.0532	J/J	ug/l	---	N/A	No	No
1,4-Dioxane	RD-93	Tritium Plume	Total	No	Yes	Q1	4.27	---	ug/l	.75 - .75	N/A	Yes	Yes
1,4-Dioxane	RD-95	Tritium Plume	Total	No	Yes	Q1	7.23	h/J-	ug/l	4.77 - 4.77	N/A	Yes	Yes
Acetone	PZ-162	HMSA	Total	Yes	Yes	Q1	19.8	---	ug/l	---	N/A	No	No
Antimony	DS-44	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	2.27	---	ug/l	.9 - .9	No	No	No
Arsenic	DS-44	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	0.768	J/J	ug/l	.58 - .68	No	Yes	No
Arsenic	PZ-116	RMHF	Dissolved	No	Yes	Q1	5.81	---	ug/l	.84 - 3.54	No	Yes	No
Arsenic	PZ-116	RMHF	Total	No	Yes	Q1	7.03	---	ug/l	.9 - 5.51	No	Yes	No
Arsenic	PZ-164	HMSA/PDU	Dissolved	No	Yes	Q3	8.28	---	ug/l	3.51 - 3.51	Yes	Yes	No
Arsenic	PZ-164	HMSA/PDU	Total	No	Yes	Q3	8.49	---	ug/l	7.33 - 7.33	Yes	Yes	No
Arsenic	PZ-165	HMSA/PDU	Dissolved	No	Yes	Q1	3.97	B/J	ug/l	3.31 - 3.31	No	Yes	No
Arsenic	PZ-165	HMSA/PDU	Total	No	Yes	Q1	3.91	B/J	ug/l	3.22 - 3.22	No	Yes	No
Arsenic	PZ-168	HMSA/PDU	Dissolved	No	Yes	Q1	3.11	J/J	ug/l	2.67 - 2.67	No	Yes	No
Arsenic	RD-22	FSDF B4886	Total	No	Yes	Q1	3.48	B/J	ug/l	.39 - 1.7	No	Yes	No
Arsenic	RD-97	B4057/4059/4626	Total	No	Yes	Q1	2.41	J/J	ug/l	1.2 - 1.2	No	Yes	No
Arsenic	RD-98	RMHF	Total	No	Yes	Q1	2.29	J/J	ug/l	.43 - .43	No	Yes	No
Barium	C-08	FSDF B4886	Dissolved	No	Yes	Q1	54.2	---	ug/l	46.5 - 52	No	No	No
Barium	C-08	FSDF B4886	Total	No	Yes	Q1	53.8	---	ug/l	45 - 51.5	No	No	No
Barium	DD-140	FSDF B4886	Dissolved	No	Yes	Q1	28.1	J/	ug/l	13 - 27.6	No	No	No
Barium	DD-146	B4457 HMSA	Total	No	Yes	Q1	42.4	---	ug/l	36.9 - 38	No	No	No
Barium	DD-147	Tritium Plume	Dissolved	No	Yes	Q1	126	---	ug/l	120 - 120	No	No	No
Barium	DD-147	Tritium Plume	Total	No	Yes	Q1	134	---	ug/l	120 - 120	No	No	No
Barium	DS-48	B4457 HMSA	Dissolved	No	Yes	Q1	63.1	---	ug/l	30.9 - 61.3	No	No	No
Barium	PZ-116	RMHF	Dissolved	No	Yes	Q1	28.1	---	ug/l	17.3 - 24.8	No	No	No
Barium	PZ-122	B4457 HMSA	Dissolved	No	Yes	Q1	65.5	---	ug/l	40 - 57.9	No	No	No
Barium	PZ-122	B4457 HMSA	Total	No	Yes	Q1	63.5	---	ug/l	37 - 60	No	No	No
Barium	PZ-162	HMSA	Dissolved	No	Yes	Q1	53.9	J/	ug/l	41.1 - 44.1	No	No	No
Barium	PZ-162	HMSA	Total	No	Yes	Q1	61.3	J/	ug/l	54 - 58.4	No	No	No
Barium	PZ-163	HMSA	Dissolved	No	Yes	Q1	45	J/	ug/l	37.9 - 39.7	No	No	No
Barium	PZ-164	HMSA/PDU	Dissolved	No	Yes	Q3	72.5	---	ug/l	70 - 70	No	No	No
Barium	PZ-166	HMSA/PDU	Dissolved	No	Yes	Q1	8.51	---	ug/l	6.18 - 6.18	No	No	No
Barium	PZ-166	HMSA/PDU	Total	No	Yes	Q1	21.1	---	ug/l	9.72 - 9.72	No	No	No
Barium	PZ-168	HMSA/PDU	Dissolved	No	Yes	Q1	18.2	---	ug/l	15.5 - 15.5	No	No	No
Barium	PZ-169	HMSA/PDU	Dissolved	No	Yes	Q1	33.4	J/	ug/l	29.4 - 29.4	No	No	No
Barium	RD-14	Old Conservation Yard	Total	No	Yes	Q1	47.5	---	ug/l	30 - 42.1	No	No	No
Barium	RD-23	FSDF B4886	Dissolved	No	Yes	Q1	75.7	---	ug/l	28 - 60	No	No	No
Barium	RD-23	FSDF B4886	Total	No	Yes	Q1	73	---	ug/l	30 - 40	No	No	No
Barium	RD-34A	RMHF	Dissolved	No	Yes	Q1	49.8	---	ug/l	20 - 42	No	No	No
Barium	RD-34A	RMHF	Total	No	Yes	Q1	49	---	ug/l	30 - 41.8	No	No	No
Barium	RD-34B	RMHF	Total	No	Yes	Q3	15.2	---	ug/l	4.6 - 10.1	No	No	No
Barium	RD-59A	Offsite	Total	No	Yes	Q1	89.7	---	ug/l	50 - 73.3	No	No	No
Barium	RD-65	FSDF B4886	Dissolved	No	Yes	Q1	30.2	J/	ug/l	20 - 25.3	No	No	No
Barium	RD-65	FSDF B4886	Total	No	Yes	Q1	28.9	J/	ug/l	20 - 25.7	No	No	No
Barium	RD-74	B56 Landfill	Dissolved	No	Yes	Q1	80.2	---	ug/l	40 - 74.8	No	No	No
Barium	RD-74	B56 Landfill	Total	No	Yes	Q1	108	---	ug/l	74.8 - 91.2	No	No	No
Barium	RD-98	RMHF	Total	No	Yes	Q1	49.3	---	ug/l	33.9 - 40	No	No	No
Beryllium	DS-44	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	0.312	J/J	ug/l	.1 - .1	Yes	No	No
beta-BHC	PZ-105	MC/DOE LF3	Total	Yes	Yes	Q3	0.017	J/J	ug/l	---	N/A	N/A	No
Cadmium	PZ-121	B4457 HMSA	Dissolved	No	Yes	Q1	5.17	---	ug/l	.32 - .54	Yes	Yes	Yes
Cesium-137	DS-47	B4064	Total	Yes	Yes	Q3	12.7	---	pci/l	---	N/A	N/A	No
Chromium	DD-146	B4457 HMSA	Total	No	Yes	Q1	3.96	J/J	ug/l	.9 - .9	No	No	No
Chromium	DS-45	B4064	Total	No	Yes	Q3	1.24	J/J	ug/l	.7 - .7	No	No	No
Chromium	PZ-108	B4457 HMSA	Dissolved	No	Yes	Q1	4.03	J/J	ug/l	.57 - 3.51	No	No	No
Chromium	PZ-166	HMSA/PDU	Total	Yes	Yes	Q1	4.68	J/J	ug/l	---	No	No	No
Chromium	PZ-167	HMSA/PDU	Dissolved	Yes	Yes	Q3	0.645	J/J	ug/l	---	No	No	No
Chromium	RD-74	B56 Landfill	Total	No	Yes	Q1	6.71	J/J	ug/l	3.07 - 6.37	No	No	No
cis-1,2-Dichloroethene	DD-157	B4457 HMSA	Total	No	Yes	Q1	0.96	J/J	ug/l	.8 - .8	N/A	No	No
cis-1,2-Dichloroethene	PZ-122	B4457 HMSA	Total	No	Yes	Q1	0.34	J/J	ug/l	.19 - .19	N/A	No	No
cis-1,2-Dichloroethene	PZ-163	HMSA	Total	No	Yes	Q1	11.2	---	ug/l	6.5 - 10.2	N/A	No	Yes
Cobalt	DD-146	B4457 HMSA	Total	No	Yes	Q1	0.319	J/J	ug/l	.14 - .14	No	No	N/A
Cobalt	DS-44	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	0.397	J/J	ug/l	.12 - .34	No	No	N/A
Cobalt	DS-48	B4457 HMSA	Dissolved	Yes	Yes	Q1	0.332	J/J	ug/l	---	No	No	N/A
Cobalt	PZ-116	RMHF	Dissolved	No	Yes	Q1	2.73	---	ug/l	.1 - 2.2	No	No	N/A
Cobalt	PZ-164	HMSA/PDU	Dissolved	No	Yes	Q3	1.28	---	ug/l	1.06 - 1.06	No	No	N/A
Cobalt	PZ-166	HMSA/PDU	Dissolved	No	Yes	Q1	1.01	---	ug/l	.9 - .9	No	No	N/A
Cobalt	PZ-166	HMSA/PDU	Total	No	Yes	Q1	1.82	---	ug/l	1.2 - 1.2	No	No	N/A
Cobalt	PZ-167	HMSA/PDU	Dissolved	Yes	Yes	Q3	0.169	J/J	ug/l	---	No	No	N/A

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Well Identifier	Groundwater Impact Area	Fraction	New Detection	New Maximum Detection	Quarter	Result	Qualifiers	Unit	Historical Range	Greater Than SSFL Background	Greater Than RBSL	Greater Than Other
Cobalt	RD-24	B4057/4059/4626	Dissolved	No	Yes	Q1	0.497	J/J	ug/l	.24 - .24	No	No	N/A
Cobalt	RD-24	B4057/4059/4626	Total	No	Yes	Q1	0.506	J/J	ug/l	.39 - .39	No	No	N/A
Cobalt	RD-34A	RMHF	Total	No	Yes	Q1	2.77	---	ug/l	.1 - 2.67	No	No	N/A
Cobalt	RD-59A	Offsite	Total	No	Yes	Q1	0.761	J/J	ug/l	.18 - .44	No	No	N/A
Cobalt	RD-98	RMHF	Total	No	Yes	Q1	0.519	J/J	ug/l	.41 - .41	No	No	N/A
Copper	DD-144	B4457 HMSA	Dissolved	No	Yes	Q1	1.44	B/J	ug/l	.54 - .61	No	No	N/A
Copper	DD-146	B4457 HMSA	Dissolved	No	Yes	Q1	2	---	ug/l	.63 - .63	No	No	N/A
Copper	DD-146	B4457 HMSA	Total	Yes	Yes	Q1	0.971	J/J	ug/l	---	No	No	N/A
Copper	DD-157	B4457 HMSA	Dissolved	Yes	Yes	Q1	0.384	J/J	ug/l	---	No	No	N/A
Copper	PZ-104	MC/DOE LF3	Dissolved	Yes	Yes	Q1	0.343	J/J	ug/l	---	No	No	N/A
Copper	PZ-104	MC/DOE LF3	Total	No	Yes	Q1	0.52	J/J	ug/l	.45 - .45	No	No	N/A
Copper	PZ-116	RMHF	Total	No	Yes	Q1	2.28	---	ug/l	1.7 - 2.19	No	No	N/A
Copper	PZ-162	HMSA	Dissolved	No	Yes	Q1	1.12	B/J	ug/l	.49 - .75	No	No	N/A
Copper	PZ-165	HMSA/PDU	Total	No	Yes	Q1	2.44	---	ug/l	1.83 - 1.83	No	No	N/A
Copper	PZ-166	HMSA/PDU	Dissolved	No	Yes	Q1	1.66	J/J	ug/l	1.52 - 1.52	No	No	N/A
Copper	PZ-166	HMSA/PDU	Total	No	Yes	Q1	3.75	---	ug/l	1.95 - 1.95	No	No	N/A
Copper	PZ-168	HMSA/PDU	Dissolved	No	Yes	Q1	2.38	---	ug/l	1.94 - 1.94	No	No	N/A
Copper	PZ-168	HMSA/PDU	Total	No	Yes	Q1	5.02	---	ug/l	4.52 - 4.52	No	No	N/A
Copper	RD-24	B4057/4059/4626	Dissolved	Yes	Yes	Q1	1.26	J/J	ug/l	---	No	No	N/A
Copper	RD-65	FSDF B4886	Dissolved	Yes	Yes	Q1	1.94	B/J	ug/l	---	No	No	N/A
Copper	RD-65	FSDF B4886	Total	Yes	Yes	Q1	0.824	B/J	ug/l	---	No	No	N/A
Copper	RD-74	B56 Landfill	Total	No	Yes	Q1	3.51	---	ug/l	1.45 - 3.44	No	No	N/A
Copper	RD-97	B4057/4059/4626	Dissolved	Yes	Yes	Q1	0.703	J/J	ug/l	---	No	No	N/A
delta-BHC	PZ-105	MC/DOE LF3	Total	Yes	Yes	Q3	0.015	J/J	ug/l	---	N/A	N/A	N/A
Diesel Range Organics	DD-144	B4457 HMSA	Total	Yes	Yes	Q1	85.7	J/J	ug/l	---	N/A	Yes	No
Diesel Range Organics	DD-146	B4457 HMSA	Total	Yes	Yes	Q1	165	J/J	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	DD-158	Old Conservation Yard	Total	No	Yes	Q1	118	J/J	ug/l	71.8 - 71.8	N/A	Yes	Yes
Diesel Range Organics	DD-159	Old Conservation Yard	Total	No	Yes	Q1	108	J/J	ug/l	86.9 - 86.9	N/A	Yes	Yes
Diesel Range Organics	DS-46	FSDF B4886	Total	No	Yes	Q1	161	J/J	ug/l	92.5 - 96.5	N/A	Yes	Yes
Diesel Range Organics	PZ-005	MC/DOE LF3	Total	No	Yes	Q1	142	J/J	ug/l	135 - 135	N/A	Yes	Yes
Diesel Range Organics	PZ-109	B4057/4059/4626	Total	No	Yes	Q1	608	---	ug/l	141 - 176	N/A	Yes	Yes
Diesel Range Organics	PZ-121	B4457 HMSA	Total	No	Yes	Q1	190	J/J	ug/l	85.7 - 85.7	N/A	Yes	Yes
Diesel Range Organics	PZ-162	HMSA	Total	No	Yes	Q1	157	J/J	ug/l	118 - 118	N/A	Yes	Yes
Diesel Range Organics	PZ-163	HMSA	Total	Yes	Yes	Q1	82.8	J/J	ug/l	---	N/A	Yes	No
Diesel Range Organics	PZ-164	HMSA/PDU	Total	Yes	Yes	Q3	66	---	ug/l	---	N/A	No	No
Diesel Range Organics	PZ-165	HMSA/PDU	Total	Yes	Yes	Q1	150	J/J	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	PZ-166	HMSA/PDU	Total	Yes	Yes	Q1	219	---	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	PZ-167	HMSA/PDU	Total	Yes	Yes	Q3	97	---	ug/l	---	N/A	Yes	No
Diesel Range Organics	PZ-168	HMSA/PDU	Total	Yes	Yes	Q1	236	---	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	PZ-169	HMSA/PDU	Total	Yes	Yes	Q1	71.4	J/J	ug/l	---	N/A	No	No
Diesel Range Organics	RD-22	FSDF B4886	Total	Yes	Yes	Q1	81.6	J/J	ug/l	---	N/A	Yes	No
Diesel Range Organics	RD-23	FSDF B4886	Total	Yes	Yes	Q1	182	J/J	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	RD-29	B4457 HMSA	Total	No	Yes	Q1	110	JQ/J	ug/l	88 - 88	N/A	Yes	Yes
Diesel Range Organics	RD-74	B56 Landfill	Total	Yes	Yes	Q1	165	JQ/J	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	RD-90	Tritium Plume	Total	Yes	Yes	Q1	139	J/J	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	RD-94	Tritium Plume	Total	Yes	Yes	Q1	256	---	ug/l	---	N/A	Yes	Yes
Diesel Range Organics	RD-96	B4057/4059/4626	Total	No	Yes	Q1	278	Q/J	ug/l	46 - 51	N/A	Yes	Yes
Endosulfan II	PZ-105	MC/DOE LF3	Total	Yes	Yes	Q3	0.006	J/J	ug/l	---	N/A	No	N/A
Endosulfan sulfate	PZ-105	MC/DOE LF3	Total	Yes	Yes	Q3	0.011	J/J	ug/l	---	N/A	No	N/A
Europium-154	RD-27	RMHF	Total	Yes	Yes	Q3	23.6	---	pci/l	---	N/A	N/A	No
Fluoride	DD-140	FSDF B4886	Total	Yes	Yes	Q1	0.233	J/J	mg/l	---	No	No	No
Fluoride	DS-46	FSDF B4886	Total	Yes	Yes	Q1	0.221	---	mg/l	---	No	No	No
Fluoride	PZ-005	MC/DOE LF3	Total	No	Yes	Q1	0.686	---	mg/l	470 - 610	No	No	No
Fluoride	PZ-104	MC/DOE LF3	Total	No	Yes	Q1	0.621	---	mg/l	380 - 380	No	No	No
Fluoride	RD-07	B56 Landfill	Total	No	Yes	Q1	0.34	---	mg/l	320 - 330	No	No	No
Fluoride	RD-33A	FSDF B4886	Total	Yes	Yes	Q1	0.381	---	mg/l	---	No	No	No
Fluoride	RD-94	Tritium Plume	Total	Yes	Yes	Q1	0.704	---	mg/l	---	No	No	No
Gasoline Range Organics	DD-145	MC/DOE LF3	Total	Yes	Yes	Q3	29	J/J	ug/l	---	N/A	No	Yes
Gasoline Range Organics	PZ-108	B4457 HMSA	Total	No	Yes	Q1	78.3	J/J	ug/l	50.5 - 58.4	N/A	No	Yes
Gasoline Range Organics	PZ-109	B4057/4059/4626	Total	No	Yes	Q1	23.2	J/J	ug/l	17 - 17.6	N/A	No	Yes
Gasoline Range Organics	RD-07	B56 Landfill	Total	No	Yes	Q1	41.5	J/J	ug/l	21.8 - 21.8	N/A	No	Yes
Gasoline Range Organics	RD-21	FSDF B4886	Total	Yes	Yes	Q1	411	---	ug/l	---	N/A	Yes	Yes
Gasoline Range Organics	RS-18	FSDF B4886	Total	Yes	Yes	Q1	20.2	J/J	ug/l	---	N/A	No	Yes
Gross Alpha	DS-44	B4030/4093 Leachfields	Total	No	Yes	Q3	19.5	G/	pci/l	6.12 - 14.5	N/A	N/A	Yes
Gross Alpha	DS-45	B4064	Dissolved	No	Yes	Q3	13.7	G/	pci/l	7.73 - 8.3	N/A	N/A	No
Gross Alpha	DS-45	B4064	Total	No	Yes	Q3	17.1	G/	pci/l	8.74 - 10.8	N/A	N/A	Yes
Gross Alpha	RD-29	B4457 HMSA	Total	No	Yes	Q3	22.7	G/	pci/l	8.98 - 22.6	N/A	N/A	Yes
Gross Alpha	RD-59A	Offsite	Dissolved	No	Yes	Q1	4.06	---	pci/l	1.02 - 3.55	N/A	N/A	No
Gross Alpha	RD-93	Tritium Plume	Total	No	Yes	Q3	23.3	G/J	pci/l	9.92 - 9.92	N/A	N/A	Yes
Gross Alpha	RD-95	Tritium Plume	Dissolved	No	Yes	Q1	29.2	---	pci/l	3.66 - 18.1	N/A	N/A	Yes
Gross Alpha	RD-95	Tritium Plume	Total	No	Yes	Q1	31.8	---	pci/l	22.6 - 22.6	N/A	N/A	Yes
Gross Alpha	RD-96	B4057/4059/4626	Total	No	Yes	Q1	32.5	---	pci/l	3.08 - 18.4	N/A	N/A	Yes
Gross Beta	DD-159	Old Conservation Yard	Total	No	Yes	Q1	8.01	---	pci/l	6.76 - 7.91	N/A	N/A	No
Gross Beta	DS-44	B4030/4093 Leachfields	Total	No	Yes	Q3	13.3	---	pci/l	8.54 - 11.9	N/A	N/A	No
Gross Beta	PZ-103	MC/DOE LF3	Total	Yes	Yes	Q1	4.2	---	pci/l	---	N/A	N/A	No
Gross Beta	PZ-116	RMHF	Total	No	Yes	Q1	26	---	pci/l	15.7 - 25.1	N/A	N/A	No
Gross Beta	RD-59A	Offsite	Total	No	Yes	Q1	7.63	---	pci/l	4.38 - 6.53	N/A	N/A	No

TABLE 9
FIRST TIME DETECTS AND NEW MAXIMUM CONCENTRATIONS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Well Identifier	Groundwater Impact Area	Fraction	New Detection	New Maximum Detection	Quarter	Result	Qualifiers	Unit	Historical Range	Greater Than SSFL Background	Greater Than RBSL	Greater Than Other
Gross Beta	RD-95	Tritium Plume	Dissolved	No	Yes	Q1	15.6	/J	pci/l	5.8 - 12	N/A	N/A	No
Gross Beta	RD-95	Tritium Plume	Total	No	Yes	Q1	28.6	/J	pci/l	14.7 - 14.7	N/A	N/A	No
Gross Beta	RD-96	B4057/4059/4626	Total	No	Yes	Q1	43.6	---	pci/l	9.06 - 16.2	N/A	N/A	No
Lead	PZ-166	HMSA/PDU	Total	Yes	Yes	Q1	0.893	J/J	ug/l	---	No	No	N/A
Lead	RD-22	FSDF B4886	Total	No	Yes	Q1	16.9	---	ug/l	.87 - 1.39	Yes	Yes	N/A
Mercury	DD-143	RMHF	Total	Yes	Yes	Q3	0.361	---	ug/l	---	Yes	Yes	No
Mercury	DD-147	Tritium Plume	Dissolved	Yes	Yes	Q1	0.128	J/J	ug/l	---	Yes	Yes	No
Mercury	DS-44	B4030/4093 Leachfields	Dissolved	Yes	Yes	Q3	0.315	---	ug/l	---	Yes	Yes	No
Mercury	DS-44	B4030/4093 Leachfields	Total	Yes	Yes	Q3	0.493	---	ug/l	---	Yes	Yes	No
Mercury	DS-46	FSDF B4886	Total	No	Yes	Q1	0.358	---	ug/l	.23 - .23	Yes	Yes	No
Mercury	RD-14	Old Conservation Yard	Total	Yes	Yes	Q1	0.161	JJ/J	ug/l	---	Yes	Yes	No
Methylene chloride	DD-158	Old Conservation Yard	Total	Yes	Yes	Q1	1.28	J/J	ug/l	---	N/A	No	No
Methylene chloride	PZ-162	HMSA	Total	Yes	Yes	Q1	2.69	J/J	ug/l	---	N/A	Yes	No
Methylene chloride	PZ-163	HMSA	Total	Yes	Yes	Q1	2.76	J/J	ug/l	---	N/A	Yes	No
Molybdenum	DS-45	B4064	Dissolved	No	Yes	Q3	2.43	/J+	ug/l	1.5 - 1.5	No	No	N/A
Molybdenum	DS-45	B4064	Total	No	Yes	Q3	2.65	/J+	ug/l	1.5 - 1.5	No	No	N/A
Molybdenum	PZ-164	HMSA/PDU	Dissolved	Yes	Yes	Q3	27.4	---	ug/l	---	Yes	No	N/A
Molybdenum	PZ-164	HMSA/PDU	Total	Yes	Yes	Q3	26.6	---	ug/l	---	Yes	No	N/A
Molybdenum	PZ-167	HMSA/PDU	Dissolved	Yes	Yes	Q3	14	---	ug/l	---	Yes	No	N/A
Molybdenum	PZ-167	HMSA/PDU	Total	Yes	Yes	Q3	12.2	---	ug/l	---	Yes	No	N/A
Nickel	DD-146	B4457 HMSA	Total	No	Yes	Q1	2.73	---	ug/l	.6 - .6	No	No	No
Nickel	DD-157	B4457 HMSA	Dissolved	Yes	Yes	Q1	0.639	J/J	ug/l	---	No	No	No
Nickel	DS-48	B4457 HMSA	Dissolved	No	Yes	Q1	2.06	---	ug/l	1.41 - 1.8	No	No	No
Nickel	PZ-166	HMSA/PDU	Dissolved	No	Yes	Q1	88.4	---	ug/l	61.4 - 61.4	Yes	No	No
Nickel	PZ-166	HMSA/PDU	Total	No	Yes	Q1	86.1	---	ug/l	62.2 - 62.2	Yes	No	No
Nickel	RD-64	FSDF B4886	Dissolved	No	Yes	Q1	31	---	ug/l	1.4 - 27.6	Yes	No	No
Nickel	RD-64	FSDF B4886	Total	No	Yes	Q1	61.3	---	ug/l	2.2 - 28.1	Yes	No	No
Nickel	RD-65	FSDF B4886	Dissolved	No	Yes	Q1	0.968	B/J	ug/l	.96 - .96	No	No	No
Nickel	RD-97	B4057/4059/4626	Dissolved	No	Yes	Q1	1.34	J/J	ug/l	1.3 - 1.3	No	No	No
Nickel	RD-97	B4057/4059/4626	Total	No	Yes	Q1	1.78	J/J	ug/l	1.5 - 1.5	No	No	No
Nitrate	PZ-103	MC/DOE LF3	Total	No	Yes	Q1	16.1	---	mg/l	12000 - 12000	N/A	N/A	N/A
Perchlorate	DD-140	FSDF B4886	Total	No	Yes	Q1	0.09	J/J	ug/l	.05 - .05	N/A	No	No
Perchlorate	DD-144	B4457 HMSA	Total	No	Yes	Q1	0.188	J/J	ug/l	.12 - .12	N/A	No	No
Perchlorate	DD-158	Old Conservation Yard	Total	Yes	Yes	Q3	26	/J+	ug/l	---	N/A	Yes	Yes
Perchlorate	PZ-162	HMSA	Total	Yes	Yes	Q1	0.203	---	ug/l	---	N/A	No	No
Perchlorate	RD-21	FSDF B4886	Total	No	Yes	Q1	12.2	J/J	ug/l	2.1 - 12	N/A	No	Yes
Perchlorate	RD-93	Tritium Plume	Total	No	Yes	Q1	1.07	---	ug/l	1 - 1	N/A	No	No
Potassium-40	DD-144	B4457 HMSA	Dissolved	Yes	Yes	Q1	72.3	---	pci/l	---	N/A	N/A	N/A
Radium-226	DD-143	RMHF	Dissolved	No	Yes	Q3	3.55	---	pci/l	1.35 - 2.04	N/A	N/A	No
Radium-226	DD-144	B4457 HMSA	Total	No	Yes	Q1	0.958	---	pci/l	.75 - .75	N/A	N/A	No
Radium-226	DD-158	Old Conservation Yard	Dissolved	No	Yes	Q1	2.8	---	pci/l	.99 - 1.57	N/A	N/A	No
Radium-226	PZ-103	MC/DOE LF3	Dissolved	Yes	Yes	Q1	0.808	---	pci/l	---	N/A	N/A	No
Radium-226	PZ-103	MC/DOE LF3	Total	Yes	Yes	Q1	1.04	---	pci/l	---	N/A	N/A	No
Radium-226	PZ-116	RMHF	Total	No	Yes	Q1	0.61	---	pci/l	.14 - .14	N/A	N/A	No
Radium-226	RD-14	Old Conservation Yard	Total	No	Yes	Q1	1.64	---	pci/l	.32 - 1.26	N/A	N/A	No
Radium-226	RD-27	RMHF	Dissolved	No	Yes	Q3	3.78	---	pci/l	.05 - 2.11	N/A	N/A	No
Radium-226	RD-34B	RMHF	Dissolved	No	Yes	Q3	2.25	---	pci/l	.16 - 1.9	N/A	N/A	No
Radium-226	RD-34B	RMHF	Total	No	Yes	Q3	0.69	---	pci/l	.17 - .53	N/A	N/A	No
Radium-226	RD-59A	Offsite	Total	No	Yes	Q1	1.93	---	pci/l	.5 - 1.46	N/A	N/A	No
Radium-226	RD-59B	Offsite	Dissolved	No	Yes	Q1	2.51	---	pci/l	.64 - 1.26	N/A	N/A	No
Radium-226	RD-59C	Offsite	Dissolved	No	Yes	Q1	3.29	---	pci/l	.47 - .75	N/A	N/A	No
Radium-226	RD-59C	Offsite	Total	No	Yes	Q1	1.01	---	pci/l	.46 - .88	N/A	N/A	No
Radium-226	RD-93	Tritium Plume	Dissolved	No	Yes	Q3	1.47	---	pci/l	1.22 - 1.22	N/A	N/A	No
Radium-226	RD-95	Tritium Plume	Total	No	Yes	Q1	1.91	---	pci/l	.82 - .82	N/A	N/A	No
Radium-226	RD-96	B4057/4059/4626	Total	No	Yes	Q1	2.33	---	pci/l	.99 - 2.26	N/A	N/A	No
Radium-226/228	DD-141	B56 Landfill	Total	Yes	Yes	Q3	4.43	/J	pci/l	---	N/A	N/A	No
Radium-226/228	DD-143	RMHF	Dissolved	Yes	Yes	Q3	8.09	---	pci/l	---	N/A	N/A	Yes
Radium-226/228	DD-143	RMHF	Total	Yes	Yes	Q3	5.09	---	pci/l	---	N/A	N/A	Yes
Radium-226/228	DS-44	B4030/4093 Leachfields	Dissolved	Yes	Yes	Q3	0.691	---	pci/l	---	N/A	N/A	No
Radium-226/228	DS-44	B4030/4093 Leachfields	Total	Yes	Yes	Q3	1.45	---	pci/l	---	N/A	N/A	No
Radium-226/228	RD-17	B4030/4093 Leachfields	Dissolved	Yes	Yes	Q3	10.1	---	pci/l	---	N/A	N/A	Yes
Radium-226/228	RD-17	B4030/4093 Leachfields	Total	Yes	Yes	Q3	3.76	---	pci/l	---	N/A	N/A	No
Radium-226/228	RD-27	RMHF	Dissolved	Yes	Yes	Q3	6.77	/J	pci/l	---	N/A	N/A	Yes
Radium-226/228	RD-27	RMHF	Total	Yes	Yes	Q3	3.13	---	pci/l	---	N/A	N/A	No
Radium-226/228	RD-34B	RMHF	Dissolved	Yes	Yes	Q3	3.72	---	pci/l	---	N/A	N/A	No
Radium-226/228	RD-34B	RMHF	Total	Yes	Yes	Q3	1.01	---	pci/l	---	N/A	N/A	No
Radium-226/228	RD-93	Tritium Plume	Total	Yes	Yes	Q3	0.882	---	pci/l	---	N/A	N/A	No
Radium-228	DD-143	RMHF	Dissolved	No	Yes	Q3	4.54	---	pci/l	2.93 - 3.81	N/A	N/A	No
Radium-228	PZ-116	RMHF	Total	No	Yes	Q1	2.87	---	pci/l	.48 - .48	N/A	N/A	No
Radium-228	RD-27	RMHF	Total	No	Yes	Q3	2.34	---	pci/l	.36 - 2.16	N/A	N/A	No
Radium-228	RD-30	RMHF	Dissolved	No	Yes	Q1	2.15	---	pci/l	.56 - 1.76	N/A	N/A	No
Radium-228	RD-34A	RMHF	Total	No	Yes	Q1	2.89	---	pci/l	.88 - 1.88	N/A	N/A	No
Radium-228	RD-59B	Offsite	Total	No	Yes	Q1	2.11	---	pci/l	.7 - 1.62	N/A	N/A	No
Radium-228	RD-97	B4057/4059/4626	Dissolved	No	Yes	Q1	3.92	---	pci/l	2.55 - 2.55	N/A	N/A	No
Selenium	DD-158	Old Conservation Yard	Total	No	Yes	Q1	3.76	J/J	ug/l	3.63 - 3.63	No	No	No
Selenium	PZ-005	MC/DOE LF3	Dissolved	No	Yes	Q1	2.29	B/J	ug/l	1.1 - 2.12	No	No	No
Selenium	RD-17	B4030/4093 Leachfields	Total	Yes	Yes	Q3	0.795	J/J	ug/l	---	No	No	No

TABLE 9
FIRST TIME DETECTS AND NEW MAXIMUM CONCENTRATIONS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Well Identifier	Groundwater Impact Area	Fraction	New Detection	New Maximum Detection	Quarter	Result	Qualifiers	Unit	Historical Range	Greater Than SSFL Background	Greater Than RBSL	Greater Than Other
Sodium	C-08	FSDF B4886	Dissolved	No	Yes	Q1	46200	---	ug/l	32000 - 41000	No	N/A	N/A
Sodium	C-08	FSDF B4886	Total	No	Yes	Q1	49100	---	ug/l	38000 - 41000	No	N/A	N/A
Sodium	DD-140	FSDF B4886	Dissolved	No	Yes	Q1	52100	---	ug/l	40000 - 48200	No	N/A	N/A
Sodium	DD-147	Tritium Plume	Dissolved	No	Yes	Q1	61600	---	ug/l	54000 - 54000	No	N/A	N/A
Sodium	DD-147	Tritium Plume	Total	No	Yes	Q1	61600	---	ug/l	56000 - 56000	No	N/A	N/A
Sodium	PZ-108	B4457 HMSA	Dissolved	No	Yes	Q1	151000	---	ug/l	70600 - 82000	No	N/A	N/A
Sodium	PZ-108	B4457 HMSA	Total	No	Yes	Q1	166000	---	ug/l	70800 - 81000	No	N/A	N/A
Sodium	PZ-162	HMSA	Dissolved	No	Yes	Q1	68900	---	ug/l	64100 - 65000	No	N/A	N/A
Sodium	PZ-162	HMSA	Total	No	Yes	Q1	68900	---	ug/l	63600 - 64000	No	N/A	N/A
Sodium	PZ-165	HMSA/PDU	Dissolved	No	Yes	Q1	90100	---	ug/l	80600 - 80600	No	N/A	N/A
Sodium	PZ-165	HMSA/PDU	Total	No	Yes	Q1	90000	---	ug/l	81200 - 81200	No	N/A	N/A
Sodium	RD-14	Old Conservation Yard	Total	No	Yes	Q1	41900	---	ug/l	35100 - 41600	No	N/A	N/A
Sodium	RD-23	FSDF B4886	Dissolved	No	Yes	Q1	60000	---	ug/l	39000 - 40000	No	N/A	N/A
Sodium	RD-23	FSDF B4886	Total	No	Yes	Q1	59800	---	ug/l	37000 - 37000	No	N/A	N/A
Sodium	RD-24	B4057/4059/4626	Dissolved	No	Yes	Q1	71900	---	ug/l	49000 - 49000	No	N/A	N/A
Sodium	RD-24	B4057/4059/4626	Total	Yes	Yes	Q1	78300	---	ug/l	---	No	N/A	N/A
Sodium	RD-29	B4457 HMSA	Total	Yes	Yes	Q1	45900	---	ug/l	---	No	N/A	N/A
Sodium	RD-54B	FSDF B4886	Dissolved	No	Yes	Q1	56900	---	ug/l	56000 - 56000	No	N/A	N/A
Sodium	RD-54B	FSDF B4886	Total	Yes	Yes	Q1	56400	---	ug/l	---	No	N/A	N/A
Sodium	RS-18	FSDF B4886	Dissolved	No	Yes	Q1	79600	---	ug/l	20000 - 54600	No	N/A	N/A
Sodium	RS-18	FSDF B4886	Total	No	Yes	Q1	78700	---	ug/l	20000 - 56400	No	N/A	N/A
Strontium-90	RD-27	RMHF	Dissolved	Yes	Yes	Q3	1.85	/J	pci/l	---	N/A	N/A	No
Strontium-90	RD-29	B4457 HMSA	Total	No	Yes	Q3	1.63	/J	pci/l	.87 - .87	N/A	N/A	No
Strontium-90	RD-54A	FSDF B4886	Total	Yes	Yes	Q3	1.42	/J	pci/l	---	N/A	N/A	No
Tetrachloroethene	RD-21	FSDF B4886	Total	Yes	Yes	Q1	0.41	J/J	ug/l	---	N/A	Yes	No
Thallium	PZ-169	HMSA/PDU	Total	Yes	Yes	Q1	0.69	B/J	ug/l	---	Yes	Yes	No
Tin	DS-43	B4057/4059/4626	Total	Yes	Yes	Q1	1.05	J/J	ug/l	---	Yes	No	N/A
Tin	PZ-116	RMHF	Total	Yes	Yes	Q1	2.12	J/J	ug/l	---	Yes	No	N/A
Tin	PZ-166	HMSA/PDU	Total	Yes	Yes	Q1	1.07	J/J	ug/l	---	Yes	No	N/A
Tin	RD-33A	FSDF B4886	Dissolved	Yes	Yes	Q1	22.7	JB/	ug/l	---	Yes	No	N/A
Tin	RD-59B	Offsite	Total	No	Yes	Q1	14.5	JB/	ug/l	.82 - 3.4	Yes	No	N/A
Toluene	PZ-005	MC/DOE LF3	Total	No	Yes	Q1	0.36	J/J	ug/l	.32 - .32	N/A	No	No
trans-1,2-Dichloroethene	RD-34A	RMHF	Total	No	Yes	Q1	1.1	---	ug/l	.3 - .77	N/A	No	No
Trichloroethene	DD-140	FSDF B4886	Total	No	Yes	Q1	1.71	---	ug/l	.68 - 1.65	N/A	Yes	No
Trichloroethene	DD-142	B4057/4059/4626	Total	No	Yes	Q1	1.14	---	ug/l	.38 - .38	N/A	Yes	No
Trichloroethene	PZ-109	B4057/4059/4626	Total	No	Yes	Q1	16	---	ug/l	2.8 - 10	N/A	Yes	Yes
Trichloroethene	PZ-121	B4457 HMSA	Total	Yes	Yes	Q1	0.38	J/J	ug/l	---	N/A	No	No
Trichloroethene	PZ-122	B4457 HMSA	Total	No	Yes	Q1	6.43	---	ug/l	.84 - 3.08	N/A	Yes	Yes
Trichloroethene	PZ-165	HMSA/PDU	Total	No	Yes	Q1	13.8	---	ug/l	9.75 - 9.75	N/A	Yes	Yes
Trichloroethene	PZ-166	HMSA/PDU	Total	No	Yes	Q1	1.21	---	ug/l	.67 - .67	N/A	Yes	No
Trichloroethene	PZ-169	HMSA/PDU	Total	No	Yes	Q1	4.32	---	ug/l	2.84 - 2.84	N/A	Yes	No
Trichloroethene	RD-74	B56 Landfill	Total	Yes	Yes	Q1	0.62	J/J	ug/l	---	N/A	Yes	No
Tritium	RD-96	B4057/4059/4626	Total	Yes	Yes	Q1	193	---	pci/l	---	N/A	N/A	No
Uranium	DD-141	B56 Landfill	Dissolved	No	Yes	Q3	2.02	---	pci/l	1.08 - 1.08	N/A	N/A	No
Uranium	DD-141	B56 Landfill	Total	No	Yes	Q3	1.44	---	pci/l	1.15 - 1.15	N/A	N/A	No
Uranium	DD-143	RMHF	Dissolved	No	Yes	Q3	2.84	---	pci/l	2.26 - 2.26	N/A	N/A	No
Uranium	DD-143	RMHF	Total	No	Yes	Q3	3.13	---	pci/l	3.09 - 3.09	N/A	N/A	No
Uranium	DS-44	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	5.41	---	pci/l	3.43 - 3.43	N/A	N/A	No
Uranium	DS-44	B4030/4093 Leachfields	Total	No	Yes	Q3	5.74	---	pci/l	3.59 - 3.59	N/A	N/A	No
Uranium	DS-45	B4064	Dissolved	Yes	Yes	Q3	11.7	---	pci/l	---	N/A	N/A	No
Uranium	DS-45	B4064	Total	Yes	Yes	Q3	12.2	---	pci/l	---	N/A	N/A	No
Uranium	DS-47	B4064	Dissolved	No	Yes	Q3	3.32	---	pci/l	1.91 - 1.91	N/A	N/A	No
Uranium	DS-47	B4064	Total	No	Yes	Q3	2.65	---	pci/l	2.58 - 2.58	N/A	N/A	No
Uranium	RD-17	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	4.04	---	pci/l	1.59 - 1.93	N/A	N/A	No
Uranium	RD-17	B4030/4093 Leachfields	Total	No	Yes	Q3	3.94	---	pci/l	1.02 - 1.02	N/A	N/A	No
Uranium	RD-27	RMHF	Dissolved	No	Yes	Q3	3.32	---	pci/l	1.26 - 1.29	N/A	N/A	No
Uranium	RD-27	RMHF	Total	No	Yes	Q3	2.77	---	pci/l	1 - 1	N/A	N/A	No
Uranium	RD-54A	FSDF B4886	Dissolved	No	Yes	Q3	4.15	---	pci/l	2.51 - 2.76	N/A	N/A	No
Uranium	RD-54A	FSDF B4886	Total	No	Yes	Q3	3.89	---	pci/l	2.03 - 2.03	N/A	N/A	No
Uranium	RD-93	Tritium Plume	Dissolved	No	Yes	Q3	16.8	---	pci/l	6.69 - 8.17	N/A	N/A	No
Uranium	RD-93	Tritium Plume	Total	Yes	Yes	Q3	16.7	---	pci/l	---	N/A	N/A	No
Uranium-233/234	DD-159	Old Conservation Yard	Dissolved	No	Yes	Q1	3.92	---	pci/l	1.55 - 1.72	N/A	N/A	No
Uranium-233/234	DD-159	Old Conservation Yard	Total	No	Yes	Q1	4.78	---	pci/l	1.22 - 2.49	N/A	N/A	No
Uranium-233/234	DS-45	B4064	Dissolved	No	Yes	Q3	5.99	---	pci/l	4 - 4.44	N/A	N/A	No
Uranium-233/234	DS-45	B4064	Total	No	Yes	Q3	6.74	---	pci/l	4.47 - 4.78	N/A	N/A	No
Uranium-233/234	PZ-103	MC/DOE LF3	Total	Yes	Yes	Q1	1.84	---	pci/l	---	N/A	N/A	No
Uranium-233/234	RD-14	Old Conservation Yard	Dissolved	No	Yes	Q1	3.57	---	pci/l	1.2 - 3.11	N/A	N/A	No
Uranium-233/234	RD-14	Old Conservation Yard	Total	No	Yes	Q1	3.39	---	pci/l	.08 - 2.99	N/A	N/A	No
Uranium-233/234	RD-17	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	2.2	---	pci/l	1.42 - 2.13	N/A	N/A	No
Uranium-233/234	RD-27	RMHF	Dissolved	No	Yes	Q3	1.96	---	pci/l	1.35 - 1.74	N/A	N/A	No
Uranium-233/234	RD-27	RMHF	Total	No	Yes	Q3	1.81	---	pci/l	1.4 - 1.4	N/A	N/A	No
Uranium-233/234	RD-93	Tritium Plume	Total	No	Yes	Q3	8.3	---	pci/l	2.03 - 2.03	N/A	N/A	No
Uranium-233/234	RD-95	Tritium Plume	Dissolved	No	Yes	Q1	20.9	---	pci/l	9.45 - 14	N/A	N/A	Yes
Uranium-233/234	RD-95	Tritium Plume	Total	No	Yes	Q1	21.8	---	pci/l	18.3 - 18.3	N/A	N/A	Yes
Uranium-233/234	RD-97	B4057/4059/4626	Dissolved	No	Yes	Q1	5.68	---	pci/l	3.77 - 3.77	N/A	N/A	No
Uranium-235/236	DD-158	Old Conservation Yard	Dissolved	No	Yes	Q1	0.827	---	pci/l	.57 - .57	N/A	N/A	No
Uranium-235/236	DS-44	B4030/4093 Leachfields	Total	No	Yes	Q3	0.196	---	pci/l	.14 - .14	N/A	N/A	No

TABLE 9
FIRST TIME DETECTS AND NEW MAXIMUM CONCENTRATIONS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	Well Identifier	Groundwater Impact Area	Fraction	New Detection	New Maximum Detection	Quarter	Result	Qualifiers	Unit	Historical Range	Greater Than SSFL Background	Greater Than RBSL	Greater Than Other
Uranium-235/236	DS-45	B4064	Dissolved	Yes	Yes	Q3	0.273	---	pci/l	---	N/A	N/A	No
Uranium-235/236	RD-14	Old Conservation Yard	Total	No	Yes	Q1	0.618	---	pci/l	.27 - .27	N/A	N/A	No
Uranium-235/236	RD-17	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	0.129	---	pci/l	.06 - .09	N/A	N/A	No
Uranium-235/236	RD-27	RMHF	Total	Yes	Yes	Q3	0.0772	---	pci/l	---	N/A	N/A	No
Uranium-235/236	RD-29	B4457 HMSA	Dissolved	No	Yes	Q3	0.487	---	pci/l	.35 - .48	N/A	N/A	No
Uranium-235/236	RD-29	B4457 HMSA	Total	Yes	Yes	Q3	0.483	---	pci/l	---	N/A	N/A	No
Uranium-235/236	RD-30	RMHF	Dissolved	No	Yes	Q1	0.46	---	pci/l	.3 - .3	N/A	N/A	No
Uranium-235/236	RD-93	Tritium Plume	Total	Yes	Yes	Q3	0.443	---	pci/l	---	N/A	N/A	No
Uranium-235/236	RD-95	Tritium Plume	Dissolved	No	Yes	Q1	0.916	---	pci/l	.43 - .5	N/A	N/A	No
Uranium-235/236	RD-95	Tritium Plume	Total	No	Yes	Q1	1.28	---	pci/l	1.16 - 1.16	N/A	N/A	No
Uranium-235/236	RD-97	B4057/4059/4626	Dissolved	No	Yes	Q1	0.419	---	pci/l	.17 - .17	N/A	N/A	No
Uranium-235/236	RD-97	B4057/4059/4626	Total	Yes	Yes	Q1	0.407	---	pci/l	---	N/A	N/A	No
Uranium-235/236	RS-28	RMHF	Total	Yes	Yes	Q1	0.369	---	pci/l	---	N/A	N/A	No
Uranium-238	DD-159	Old Conservation Yard	Dissolved	No	Yes	Q1	3.38	---	pci/l	1.19 - 2.62	N/A	N/A	No
Uranium-238	DD-159	Old Conservation Yard	Total	No	Yes	Q1	4.11	---	pci/l	1.6 - 2.13	N/A	N/A	No
Uranium-238	DS-45	B4064	Dissolved	No	Yes	Q3	5.48	---	pci/l	3.26 - 3.75	N/A	N/A	No
Uranium-238	DS-45	B4064	Total	No	Yes	Q3	5.11	---	pci/l	3.28 - 4.55	N/A	N/A	No
Uranium-238	PZ-103	MC/DOE LF3	Dissolved	Yes	Yes	Q1	1.45	---	pci/l	---	N/A	N/A	No
Uranium-238	PZ-103	MC/DOE LF3	Total	Yes	Yes	Q1	1.34	---	pci/l	---	N/A	N/A	No
Uranium-238	RD-14	Old Conservation Yard	Dissolved	No	Yes	Q1	3.36	---	pci/l	.78 - 2.67	N/A	N/A	No
Uranium-238	RD-17	B4030/4093 Leachfields	Dissolved	No	Yes	Q3	1.71	---	pci/l	1.19 - 1.57	N/A	N/A	No
Uranium-238	RD-17	B4030/4093 Leachfields	Total	No	Yes	Q3	1.67	---	pci/l	1.17 - 1.66	N/A	N/A	No
Uranium-238	RD-27	RMHF	Dissolved	No	Yes	Q3	1.31	---	pci/l	.89 - 1.27	N/A	N/A	No
Uranium-238	RD-30	RMHF	Dissolved	No	Yes	Q1	6.13	---	pci/l	3.67 - 5.75	N/A	N/A	No
Uranium-238	RD-93	Tritium Plume	Dissolved	No	Yes	Q3	7.89	---	pci/l	2.69 - 2.69	N/A	N/A	No
Uranium-238	RD-93	Tritium Plume	Total	No	Yes	Q3	7.97	---	pci/l	2.04 - 2.04	N/A	N/A	No
Uranium-238	RD-95	Tritium Plume	Dissolved	No	Yes	Q1	17.5	---	pci/l	13.4 - 13.4	N/A	N/A	No
Uranium-238	RD-95	Tritium Plume	Total	No	Yes	Q1	18.5	---	pci/l	14.8 - 14.8	N/A	N/A	No
Uranium-238	RD-97	B4057/4059/4626	Dissolved	Yes	Yes	Q1	5.28	---	pci/l	---	N/A	N/A	No
Vanadium	DD-147	Tritium Plume	Total	Yes	Yes	Q1	4.11	J/J	ug/l	---	No	No	No
Vanadium	PZ-005	MC/DOE LF3	Dissolved	No	Yes	Q1	4.89	B/J	ug/l	.9 - 4.88	Yes	No	No
Vanadium	PZ-116	RMHF	Total	No	Yes	Q1	4.01	J/J	ug/l	1.1 - 3.63	No	No	No
Vanadium	PZ-120	B4457 HMSA	Dissolved	No	Yes	Q1	6.06	B/J	ug/l	2.5 - 5.79	Yes	No	No
Vanadium	PZ-121	B4457 HMSA	Total	No	Yes	Q1	4.62	B/J	ug/l	3.88 - 3.88	Yes	No	No
Vanadium	PZ-165	HMSA/PDU	Dissolved	No	Yes	Q1	5.84	B/J	ug/l	4.06 - 4.06	Yes	No	No
Vanadium	PZ-165	HMSA/PDU	Total	No	Yes	Q1	6.29	B/J	ug/l	4.54 - 4.54	Yes	No	No
Vanadium	PZ-166	HMSA/PDU	Total	No	Yes	Q1	11.1	J/J	ug/l	9.11 - 9.11	Yes	No	No
Vanadium	PZ-169	HMSA/PDU	Dissolved	No	Yes	Q1	4.45	B/J	ug/l	4.28 - 4.28	No	No	No
Vanadium	RD-07	B56 Landfill	Total	No	Yes	Q1	3.3	J/J	ug/l	.86 - 1.1	No	No	No
Vanadium	RD-19	B4133	Dissolved	No	Yes	Q1	3.67	J/J	ug/l	.66 - 1.2	No	No	No
Vanadium	RD-29	B4457 HMSA	Total	No	Yes	Q1	3.42	J/J	ug/l	1.3 - 1.3	No	No	No
Vanadium	RD-74	B56 Landfill	Total	No	Yes	Q1	9.46	J/J	ug/l	5.14 - 9.03	Yes	No	No
Vanadium	RD-96	B4057/4059/4626	Dissolved	No	Yes	Q1	4.3	J/J	ug/l	1.4 - 3.93	No	No	No
Vanadium	RD-97	B4057/4059/4626	Dissolved	No	Yes	Q1	4.14	J/J	ug/l	.6 - .6	No	No	No
Vanadium	RD-97	B4057/4059/4626	Total	No	Yes	Q1	4.56	J/J	ug/l	1.9 - 1.9	Yes	No	No
Vanadium	RD-98	RMHF	Dissolved	Yes	Yes	Q1	3.38	J/J	ug/l	---	No	No	No
Vanadium	RD-98	RMHF	Total	No	Yes	Q1	9.41	J/J	ug/l	1.5 - 1.5	Yes	No	No
Zinc	DD-144	B4457 HMSA	Dissolved	No	Yes	Q1	4.33	B/J	ug/l	2.8 - 3.74	No	No	No
Zinc	DD-157	B4457 HMSA	Total	No	Yes	Q1	13.8	J/J	ug/l	10.8 - 10.8	No	No	No
Zinc	DS-43	B4057/4059/4626	Total	No	Yes	Q1	20.3	---	ug/l	2.8 - 14.1	No	No	No
Zinc	PZ-122	B4457 HMSA	Total	Yes	Yes	Q1	4.73	J/J	ug/l	---	No	No	No
Zinc	PZ-164	HMSA/PDU	Dissolved	Yes	Yes	Q3	2.44	J/J	ug/l	---	No	No	No
Zinc	PZ-165	HMSA/PDU	Total	No	Yes	Q1	6.32	B/J	ug/l	5.05 - 5.05	No	No	No
Zinc	PZ-166	HMSA/PDU	Total	No	Yes	Q1	11.6	J/J	ug/l	4.04 - 4.04	No	No	No
Zinc	PZ-168	HMSA/PDU	Dissolved	No	Yes	Q1	4.65	J/J	ug/l	4.13 - 4.13	No	No	No
Zinc	RD-22	FSDF B4886	Total	No	Yes	Q1	157	---	ug/l	44 - 73.2	No	No	No
Zinc	RD-74	B56 Landfill	Total	No	Yes	Q1	100	---	ug/l	55.4 - 88.1	No	No	No

NOTES AND ABBREVIATIONS

1) Results from wells installed after 2017 are not included in this table due to insufficient data for establishing baseline trends.
/ - separates lab qualifiers from data validation flags.
--- - No data available or not applicable
FSDF - Former Sodium Disposal Facility
HMSA - Hazardous Material Storage Area
mg/l - milligrams per liter
N/A - Not applicable; screening limit not established
pci/l = picocuries per liter
RBSL - risk-based screening value
RMHF - Radiological Material Handling Facility
ug/l - micrograms per liter

LAB / VALIDATION QUALIFIERS

B - Blank Contamination
G - The sample MDC is greater than the requested RL.
H - Analytical holding time exceeded.
h - Sample preparation or preservation holding time exceeded.
J - Result is an estimated quantity. Associated numerical value is approximate concentration of analyte in sample.
J+ - The result is an estimated quantity, but the result may be biased high.
J- - The result is an estimated quantity, but the result may be biased low.
Q - One or more quality control criteria have not been met.
U - Analyzed for, but not detected above reported sample quantitation limit. Result shown is the Method Detection Limit.

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.231**	**J / J**	**ug/l**	**0.0400**	**0.200**
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Barium	**53.8**	**/**	**ug/l**	**0.670**	**4.00**
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Barium	**54.2**	**/**	**ug/l**	**0.670**	**4.00**
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**2.03**	**/**	**ug/l**	**0.333**	**1.00**
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Copper	0.300	JB / U	ug/l	0.300	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / U	ug/l	0.300	2.00
C-08	FSDF	03/11/2025	FD	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**75.8**	**J / J**	**ug/l**	**71.0**	**189**
C-08	FSDF	03/11/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**80.7**	**J / J**	**ug/l**	**70.6**	**188**
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	FD	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
C-08	FSDF	03/11/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
C-08	FSDF	03/11/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
C-08	FSDF	03/11/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6010	Total	Sodium	**49100**	**/**	**ug/l**	**100**	**300**
C-08	FSDF	03/11/2025	N	Metals	SW6010	Dissolved	Sodium	**46200**	**/**	**ug/l**	**100**	**300**
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**11.4**	**/**	**ug/l**	**0.333**	**1.00**
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
C-08	FSDF	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
C-08	FSDF	03/11/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
C-08	FSDF	03/11/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**1.87**	**/**	**ug/l**	**0.0400**	**0.200**
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	J / U	ug/l	1.74	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Barium	**29.1**	**J /**	**ug/l**	**0.670**	**4.00**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Barium	**28.1**	**J /**	**ug/l**	**0.670**	**4.00**
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Cobalt	**0.472**	**B / J**	**ug/l**	**0.300**	**1.00**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Copper	**0.776**	**B / J**	**ug/l**	**0.300**	**2.00**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Copper	**1.56**	**B / J**	**ug/l**	**0.300**	**2.00**
DD-140	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.5	U / U	ug/l	70.5	188
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Anions	E300	NA	Fluoride	**0.233**	**J / J**	**mg/l**	**0.0330**	**0.100**
DD-140	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-140	FSDF	03/05/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-140	FSDF	03/05/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Nickel	**3.26**	**/**	**ug/l**	**0.600**	**2.00**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Nickel	**3.32**	**/**	**ug/l**	**0.600**	**2.00**
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.0900**	**J / J**	**ug/l**	**0.0500**	**0.200**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6010	Total	Sodium	**41200**	**/**	**ug/l**	**100**	**300**
DD-140	FSDF	03/05/2025	N	Metals	SW6010	Dissolved	Sodium	**52100**	**/**	**ug/l**	**100**	**300**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.71**	**/**	**ug/l**	**0.333**	**1.00**
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Vanadium	**4.22**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.05**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-140	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Total	Zinc	**4.23**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-140	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Zinc	**5.10**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.114**	**J / J**	**ug/l**	**0.0400**	**0.200**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
DD-142	B4057/59/626	08/18/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Barium	**40.1**	**/**	**ug/l**	**0.670**	**4.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Barium	**36.3**	**/**	**ug/l**	**0.670**	**4.00**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Copper	**1.43**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Copper	**0.696**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	08/18/2025	FD	Carbonyl Compounds	SW8315	NA	Formaldehyde	7.8	U / U	ug/l	7.8	10
DD-142	B4057/59/626	08/18/2025	N	Carbonyl Compounds	SW8315	NA	Formaldehyde	7.8	U / U	ug/l	7.8	10
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-142	B4057/59/626	02/26/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Nickel	**1.43**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Nickel	**0.865**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.943**	**J / J**	**ug/l**	**0.0500**	**0.200**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Selenium	**5.16**	**/**	**ug/l**	**1.50**	**5.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Selenium	**5.46**	**/**	**ug/l**	**1.50**	**5.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6010	Total	Sodium	**72300**	**/**	**ug/l**	**100**	**300**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6010	Dissolved	Sodium	**80300**	**/**	**ug/l**	**100**	**300**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	**8.10**	**/**	**ug/l**	**0.333**	**1.00**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.14**	**/**	**ug/l**	**0.333**	**1.00**
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Vanadium	**3.37**	**J / J**	**ug/l**	**3.30**	**20.0**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-142	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Zinc	**6.36**	**J / J**	**ug/l**	**3.30**	**20.0**
DD-142	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DD-143	RMHF	08/20/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Arsenic	**0.432**	**J / J**	**ug/l**	**0.193**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Arsenic	**0.223**	**J / J**	**ug/l**	**0.193**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Barium	**26.0**	**/**	**ug/l**	**0.653**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Barium	**24.4**	**/**	**ug/l**	**0.653**	**1.00**
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Chromium	0.369	U / U	ug/l	0.369	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Cobalt	**0.983**	**J / J**	**ug/l**	**0.0480**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.902**	**J / J**	**ug/l**	**0.0480**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Copper	**0.456**	**J / J**	**ug/l**	**0.232**	**2.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Copper	**0.316**	**J / J**	**ug/l**	**0.232**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Lead	**0.134**	**J / J**	**ug/l**	**0.0590**	**1.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW7470	Total	Mercury	**0.361**	**/**	**ug/l**	**0.124**	**0.200**
DD-143	RMHF	08/20/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Molybdenum	**0.930**	**J / J**	**ug/l**	**0.762**	**2.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Molybdenum	**1.02**	**J / J**	**ug/l**	**0.762**	**2.00**
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Nickel	**1.24**	**J / J**	**ug/l**	**0.784**	**2.00**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Nickel	0.784	J / U	ug/l	0.784	2.00
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Sodium	**57900**	**/**	**ug/l**	**55.5**	**100**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Sodium	**55500**	**/**	**ug/l**	**55.5**	**100**
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Vanadium	0.493	U / U	ug/l	0.493	2.00
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Vanadium	0.493	U / U	ug/l	0.493	2.00
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DD-143	RMHF	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Total	Zinc	**5.53**	**J / J**	**ug/l**	**2.28**	**20.0**
DD-143	RMHF	08/20/2025	N	Metals	SW6020	Dissolved	Zinc	**2.92**	**J / J**	**ug/l**	**2.28**	**20.0**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.488**	**/**	**ug/l**	**0.0400**	**0.200**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	J / U	ug/l	1.74	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Barium	**56.5**	**J /**	**ug/l**	**0.670**	**4.00**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Barium	**48.0**	**J /**	**ug/l**	**0.670**	**4.00**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**8.88**	**/**	**ug/l**	**0.333**	**1.00**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Copper	**0.308**	**B / J**	**ug/l**	**0.300**	**2.00**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Copper	**1.44**	**B / J**	**ug/l**	**0.300**	**2.00**
DD-144	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**85.7**	**J / J**	**ug/l**	**70.6**	**188**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**36.1**	**J / J**	**ug/l**	**16.7**	**100**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-144	HMSA	03/04/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-144	HMSA	03/04/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Nickel	**1.27**	**B / J**	**ug/l**	**0.600**	**2.00**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Nickel	**1.32**	**B / J**	**ug/l**	**0.600**	**2.00**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.188**	**J / J**	**ug/l**	**0.0500**	**0.200**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6010	Total	Sodium	**60100**	**/**	**ug/l**	**100**	**300**
DD-144	HMSA	03/04/2025	N	Metals	SW6010	Dissolved	Sodium	**58100**	**/**	**ug/l**	**100**	**300**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**77.2**	**/**	**ug/l**	**0.333**	**1.00**
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Vanadium	**4.14**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-144	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-144	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Zinc	**4.33**	**B / J**	**ug/l**	**3.30**	**20.0**
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DD-145	DOE Leachfield 3	08/11/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Arsenic	**0.295**	**J / J**	**ug/l**	**0.193**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Arsenic	0.193	U / U	ug/l	0.193	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Barium	**35.1**	**/**	**ug/l**	**0.653**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Barium	**29.4**	**/**	**ug/l**	**0.653**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Chromium	0.369	U / U	ug/l	0.369	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Cobalt	**0.288**	**J / J**	**ug/l**	**0.0480**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.242**	**J / J**	**ug/l**	**0.0480**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Copper	**0.251**	**J / J**	**ug/l**	**0.232**	**2.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Copper	0.232	U / U	ug/l	0.232	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	42	U / U	ug/l	42	50
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**29**	**J / J**	**ug/l**	**29**	**50**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Lead	**0.0680**	**J / J**	**ug/l**	**0.0590**	**1.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Molybdenum	**0.870**	**J / J**	**ug/l**	**0.762**	**2.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Molybdenum	**1.13**	**J / J**	**ug/l**	**0.762**	**2.00**
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Nickel	0.784	U / U	ug/l	0.784	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Nickel	0.784	U / U	ug/l	0.784	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.040**	**J / J+**	**ug/l**	**0.020**	**1.0**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Sodium	**68800**	**B /**	**ug/l**	**55.5**	**100**
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Sodium	**66600**	**/**	**ug/l**	**55.5**	**100**
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Vanadium	0.493	U / U	ug/l	0.493	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Vanadium	0.493	U / U	ug/l	0.493	2.00
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DD-145	DOE Leachfield 3	08/11/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Total	Zinc	2.28	U / U	ug/l	2.28	20.0
DD-145	DOE Leachfield 3	08/11/2025	N	Metals	SW6020	Dissolved	Zinc	2.28	U / U	ug/l	2.28	20.0
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Barium	**42.4**	**/**	**ug/l**	**0.670**	**4.00**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Barium	**12.4**	**/**	**ug/l**	**0.670**	**4.00**
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Chromium	**3.96**	**J / J**	**ug/l**	**3.00**	**10.0**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Cobalt	**0.319**	**J / J**	**ug/l**	**0.300**	**1.00**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Copper	**0.971**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Copper	**2.00**	**/**	**ug/l**	**0.300**	**2.00**
DD-146	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**165**	**J / J**	**ug/l**	**71.7**	**191**
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-146	HMSA	02/28/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-146	HMSA	02/28/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Nickel	**2.73**	**/**	**ug/l**	**0.600**	**2.00**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-146	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Total	Zinc	**4.42**	**J / J**	**ug/l**	**3.30**	**20.0**
DD-146	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**1.60**	**/**	**ug/l**	**0.0400**	**0.200**
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Barium	**134**	**/**	**ug/l**	**0.670**	**4.00**
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Barium	**126**	**/**	**ug/l**	**0.670**	**4.00**
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Copper	0.300	JB / UJ	ug/l	0.300	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / U	ug/l	0.300	2.00
DD-147	HMSA	03/12/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.6	U / U	ug/l	70.6	188
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-147	HMSA	03/12/2025	N	Metals	SW7470	Dissolved	Mercury	**0.128**	**J / J**	**ug/l**	**0.0670**	**0.200**
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Nickel	0.600	U / UJ	ug/l	0.600	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6010	Total	Sodium	**61600**	**/**	**ug/l**	**100**	**300**
DD-147	HMSA	03/12/2025	N	Metals	SW6010	Dissolved	Sodium	**61600**	**/**	**ug/l**	**100**	**300**
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Vanadium	**4.11**	**J / J**	**ug/l**	**3.30**	**20.0**
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-147	HMSA	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-147	HMSA	03/12/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0474**	**J / J**	**ug/l**	**0.0400**	**0.200**
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Barium	**51.3**	**/**	**ug/l**	**0.670**	**4.00**
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Barium	**49.6**	**/**	**ug/l**	**0.670**	**4.00**
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**0.960**	**J / J**	**ug/l**	**0.333**	**1.00**
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Copper	**0.454**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Copper	**0.384**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-157	HMSA	02/28/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-157	HMSA	02/28/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Nickel	**0.837**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Nickel	**0.639**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.420**	**J / J**	**ug/l**	**0.333**	**1.00**
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DD-157	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Total	Zinc	**13.8**	**J / J**	**ug/l**	**3.30**	**20.0**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-157	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0077	U / U	ug/l	0.0077	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0044	U / U	ug/l	0.0044	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0056	U / U	ug/l	0.0056	0.020
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0053	U / U	ug/l	0.0053	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	U / U	ug/l	0.0043	0.020
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
DD-158	OCY	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Barium	**25.4**	**/**	**ug/l**	**0.670**	**4.00**
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Barium	**24.9**	**/**	**ug/l**	**0.670**	**4.00**
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	U / U	ug/l	0.083	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	U / U	ug/l	0.092	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	beta-BHC	0.013	U / U	ug/l	0.013	0.020
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Copper	**1.15**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Copper	**0.787**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	delta-BHC	0.0015	U / U	ug/l	0.0015	0.020

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.19
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
DD-158	OCY	02/18/2025	FD	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.8	UQ / U	ug/l	70.8	189
DD-158	OCY	03/10/2025	FD	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**179**	**J / J**	**ug/l**	**70.8**	**189**
DD-158	OCY	03/10/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**118**	**J / J**	**ug/l**	**70.7**	**189**
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0069	U / U	ug/l	0.0069	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan II	0.0037	U / U	ug/l	0.0037	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	0.0062	U / U	ug/l	0.0062	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0072	U*+ / U	ug/l	0.0072	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U / U	ug/l	0.0020	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0027	U / U	ug/l	0.0027	0.020
DD-158	OCY	02/18/2025	FD	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-158	OCY	02/18/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	U / U	ug/l	0.0034	0.020
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0029	U / U	ug/l	0.0029	0.020
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-158	OCY	02/18/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-158	OCY	02/18/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-158	OCY	08/11/2025	N	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0090	U / U	ug/l	0.0090	0.020
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**1.28**	**J / J**	**ug/l**	**0.500**	**5.00**
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Nickel	**1.38**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Nickel	**1.43**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	08/11/2025	FD	Perchlorate	SW6850	NA	Perchlorate	**26**	**/ J+**	**ug/l**	**0.020**	**1.0**
DD-158	OCY	08/11/2025	N	Perchlorate	SW6850	NA	Perchlorate	**26**	**/ J+**	**ug/l**	**0.020**	**1.0**
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.085	U / U	ug/l	0.085	0.19
DD-158	OCY	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Selenium	**3.76**	**J / J**	**ug/l**	**1.50**	**5.00**
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Selenium	**3.61**	**J / J**	**ug/l**	**1.50**	**5.00**
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6010	Total	Sodium	**42400**	**/**	**ug/l**	**100**	**300**
DD-158	OCY	02/18/2025	N	Metals	SW6010	Dissolved	Sodium	**42700**	**/**	**ug/l**	**100**	**300**
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Tin	1.00	UB / U	ug/l	1.00	5.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UB / U	ug/l	1.00	5.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Vanadium	3.30	JB / U	ug/l	3.30	20.0
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	JB / U	ug/l	3.30	20.0
DD-158	OCY	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-158	OCY	02/18/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-158	OCY	02/18/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.12	U / U	pg/l	0.12	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	0.18	U / U	pg/l	0.18	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.12	U / U	pg/l	0.12	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	0.25	U / U	pg/l	0.25	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.24	U / U	pg/l	0.24	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	0.26	U / U	pg/l	0.26	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.29	U / U	pg/l	0.29	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	0.23	U / U	pg/l	0.23	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.25	U / U	pg/l	0.25	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	0.36	U / U	pg/l	0.36	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	0.43	U / U	pg/l	0.43	48
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0402**	**J / J**	**ug/l**	**0.0400**	**0.200**
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	0.24	U / U	pg/l	0.24	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	0.34	U / U	pg/l	0.34	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	0.35	U / U	pg/l	0.35	9.7
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	1.1	U / U	pg/l	1.1	9.7
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Arsenic	**2.02**	**J / J**	**ug/l**	**2.00**	**5.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.23**	**J / J**	**ug/l**	**2.00**	**5.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Barium	**35.1**	**/**	**ug/l**	**0.670**	**4.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Barium	**36.0**	**/**	**ug/l**	**0.670**	**4.00**
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Beryllium	0.200	UQ / U	ug/l	0.200	0.500
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	UQ / U	ug/l	0.200	0.500
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Copper	**0.388**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Copper	**1.03**	**J / J**	**ug/l**	**0.300**	**2.00**
DD-159	OCY	03/10/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**108**	**J / J**	**ug/l**	**70.9**	**189**
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	0.12	U / U	pg/l	0.12	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	0.18	U / U	pg/l	0.18	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	0.26	U / U	pg/l	0.26	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	0.29	U / U	pg/l	0.29	48
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DD-159	OCY	02/17/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-159	OCY	02/17/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Nickel	**1.69**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Nickel	**1.75**	**J / J**	**ug/l**	**0.600**	**2.00**
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.53	U / U	pg/l	0.53	97
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	0.17	U / U	pg/l	0.17	97
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	0.36	U / U	pg/l	0.36	48
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	0.43	U / U	pg/l	0.43	48
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Selenium	**3.63**	**J / J**	**ug/l**	**1.50**	**5.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Selenium	**4.19**	**J / J**	**ug/l**	**1.50**	**5.00**
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6010	Total	Sodium	**37800**	**/**	**ug/l**	**100**	**300**
DD-159	OCY	02/17/2025	N	Metals	SW6010	Dissolved	Sodium	**37400**	**/**	**ug/l**	**100**	**300**
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	0.35	U / U	pg/l	0.35	9.7
DD-159	OCY	08/11/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	1.1	U / U	pg/l	1.1	9.7
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Tin	1.00	UB / U	ug/l	1.00	5.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UB / U	ug/l	1.00	5.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Vanadium	3.30	JB / U	ug/l	3.30	20.0
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	JB / U	ug/l	3.30	20.0
DD-159	OCY	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DD-159	OCY	02/17/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DD-159	OCY	02/17/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	UJ / UJ	ug/l	1.67	5.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Barium	**63.0**	**/**	**ug/l**	**0.670**	**4.00**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Barium	**61.8**	**/**	**ug/l**	**0.670**	**4.00**
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Cobalt	**0.446**	**J / J**	**ug/l**	**0.300**	**1.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Copper	**1.59**	**J / J**	**ug/l**	**0.300**	**2.00**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Copper	**0.560**	**J / J**	**ug/l**	**0.300**	**2.00**
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Anions	E300	NA	Fluoride	**0.577**	**/**	**mg/l**	**0.0330**	**0.100**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW7470	Total	Mercury	0.0670	UJ / UJ	ug/l	0.0670	0.200
DS-43	B4057/59/626	02/21/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Nickel	**1.51**	**J / J**	**ug/l**	**0.600**	**2.00**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Nickel	**1.06**	**J / J**	**ug/l**	**0.600**	**2.00**
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Tin	**1.05**	**J / J**	**ug/l**	**1.00**	**5.00**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Vanadium	**4.76**	**J / J**	**ug/l**	**3.30**	**20.0**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.36**	**J / J**	**ug/l**	**3.30**	**20.0**
DS-43	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Zinc	**20.3**	**/**	**ug/l**	**3.30**	**20.0**
DS-43	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DS-44	DOE Leachfield	08/19/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Antimony	**2.27**	**/**	**ug/l**	**0.516**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Arsenic	**0.949**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Arsenic	**0.768**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Barium	**65.8**	**/**	**ug/l**	**0.653**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Barium	**60.4**	**/**	**ug/l**	**0.653**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Beryllium	**0.312**	**J / J**	**ug/l**	**0.291**	**0.500**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Chromium	**1.43**	**J / J**	**ug/l**	**0.369**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Cobalt	**1.09**	**/**	**ug/l**	**0.0480**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.397**	**J / J**	**ug/l**	**0.0480**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Copper	**2.30**	**/**	**ug/l**	**0.232**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Copper	**1.09**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Lead	**0.414**	**J / J**	**ug/l**	**0.0590**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Lead	**0.0870**	**J / J**	**ug/l**	**0.0590**	**1.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW7470	Total	Mercury	**0.493**	**/**	**ug/l**	**0.124**	**0.200**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW7470	Dissolved	Mercury	**0.315**	**/**	**ug/l**	**0.124**	**0.200**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Molybdenum	**2.84**	**/**	**ug/l**	**0.762**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Molybdenum	**3.44**	**/**	**ug/l**	**0.762**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Nickel	**2.06**	**/**	**ug/l**	**0.784**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Nickel	**1.34**	**J / J**	**ug/l**	**0.784**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Sodium	**51800**	**/**	**ug/l**	**55.5**	**100**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Sodium	**50600**	**/**	**ug/l**	**55.5**	**100**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Vanadium	**3.11**	**/**	**ug/l**	**0.493**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Vanadium	**1.69**	**J / J**	**ug/l**	**0.493**	**2.00**
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DS-44	DOE Leachfield	08/19/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Total	Zinc	**5.20**	**J / J**	**ug/l**	**2.28**	**20.0**
DS-44	DOE Leachfield	08/19/2025	N	Metals	SW6020	Dissolved	Zinc	**2.64**	**J / J**	**ug/l**	**2.28**	**20.0**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DS-45	B4064 Leachfield	08/12/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.063	U / U	ug/l	0.063	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Antimony	0.516	J / U	ug/l	0.516	2.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	J / U	ug/l	0.516	2.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Arsenic	**2.61**	**/**	**ug/l**	**0.193**	**1.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.22**	**/**	**ug/l**	**0.193**	**1.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Barium	**37.5**	**/**	**ug/l**	**0.653**	**1.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Barium	**29.6**	**/**	**ug/l**	**0.653**	**1.00**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	U / U	ug/l	0.083	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	U / U	ug/l	0.092	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Chromium	**1.24**	**J / J**	**ug/l**	**0.369**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Cobalt	**1.49**	**/**	**ug/l**	**0.0480**	**1.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Cobalt	0.0480	U / U	ug/l	0.0480	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Copper	**1.61**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Copper	**0.388**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Lead	**0.531**	**J / J**	**ug/l**	**0.0590**	**1.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Molybdenum	**2.65**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Molybdenum	**2.43**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Nickel	**2.79**	**/**	**ug/l**	**0.784**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Nickel	**1.11**	**J / J**	**ug/l**	**0.784**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.086	U / U	ug/l	0.086	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Sodium	**37200**	**/**	**ug/l**	**55.5**	**100**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Sodium	**36200**	**/**	**ug/l**	**55.5**	**100**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Vanadium	**7.16**	**/**	**ug/l**	**0.493**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.96**	**/**	**ug/l**	**0.493**	**2.00**
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DS-45	B4064 Leachfield	08/12/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Total	Zinc	**5.49**	**J / J**	**ug/l**	**2.28**	**20.0**
DS-45	B4064 Leachfield	08/12/2025	N	Metals	SW6020	Dissolved	Zinc	2.28	U / U	ug/l	2.28	20.0
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**3.90**	**/**	**ug/l**	**0.0400**	**0.200**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	J / U	ug/l	1.74	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Barium	**63.5**	**J /**	**ug/l**	**0.670**	**4.00**
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Barium	**55.7**	**J /**	**ug/l**	**0.670**	**4.00**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Cobalt	**1.05**	**/**	**ug/l**	**0.300**	**1.00**
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cobalt	**1.04**	**/**	**ug/l**	**0.300**	**1.00**
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Copper	**0.955**	**B / J**	**ug/l**	**0.300**	**2.00**
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Copper	**0.655**	**B / J**	**ug/l**	**0.300**	**2.00**
DS-46	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**161**	**J / J**	**ug/l**	**74.2**	**198**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Anions	E300	NA	Fluoride	**0.221**	**/**	**mg/l**	**0.0330**	**0.100**
DS-46	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DS-46	FSDF	03/05/2025	N	Metals	SW7470	Total	Mercury	**0.358**	**/**	**ug/l**	**0.0670**	**0.200**
DS-46	FSDF	03/05/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Nickel	**8.75**	**/**	**ug/l**	**0.600**	**2.00**
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Nickel	**9.05**	**/**	**ug/l**	**0.600**	**2.00**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6010	Total	Sodium	**56400**	**/**	**ug/l**	**100**	**300**
DS-46	FSDF	03/05/2025	N	Metals	SW6010	Dissolved	Sodium	**60300**	**/**	**ug/l**	**100**	**300**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00

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VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.530**	**J / J**	**ug/l**	**0.333**	**1.00**
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DS-46	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DS-46	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DS-47	B4064 Leachfield	08/13/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.14**	**J / J**	**ug/l**	**0.12**	**0.50**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Arsenic	**0.948**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Arsenic	**0.901**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Arsenic	**0.421**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Arsenic	**0.461**	**J / J**	**ug/l**	**0.193**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Barium	**49.2**	**/**	**ug/l**	**0.653**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Barium	**48.9**	**/**	**ug/l**	**0.653**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Barium	**46.3**	**/**	**ug/l**	**0.653**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Barium	**45.7**	**/**	**ug/l**	**0.653**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Chromium	**0.481**	**J / J**	**ug/l**	**0.369**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Chromium	0.369	U / U	ug/l	0.369	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Cobalt	**1.89**	**/**	**ug/l**	**0.0480**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Cobalt	**1.13**	**/**	**ug/l**	**0.0480**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Cobalt	**0.0620**	**J / J**	**ug/l**	**0.0480**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.100**	**J / J**	**ug/l**	**0.0480**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Copper	**0.765**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Copper	**0.577**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Copper	**0.367**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Copper	**0.248**	**J / J**	**ug/l**	**0.232**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Lead	**0.504**	**J / J**	**ug/l**	**0.0590**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Lead	**0.306**	**J / J**	**ug/l**	**0.0590**	**1.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Molybdenum	**2.32**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Molybdenum	**2.24**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Molybdenum	**2.33**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Molybdenum	**2.45**	**/ J+**	**ug/l**	**0.762**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Nickel	**0.938**	**J / J**	**ug/l**	**0.784**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Nickel	0.784	U / U	ug/l	0.784	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Nickel	0.784	U / U	ug/l	0.784	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Nickel	0.784	U / U	ug/l	0.784	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Sodium	**36400**	**B /**	**ug/l**	**55.5**	**100**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Sodium	**37200**	**B /**	**ug/l**	**55.5**	**100**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Sodium	**35400**	**/**	**ug/l**	**55.5**	**100**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Sodium	**34600**	**/**	**ug/l**	**55.5**	**100**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Vanadium	**1.53**	**J / J**	**ug/l**	**0.493**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Vanadium	**1.22**	**J / J**	**ug/l**	**0.493**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Vanadium	**1.12**	**J / J**	**ug/l**	**0.493**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Vanadium	**1.16**	**J / J**	**ug/l**	**0.493**	**2.00**
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DS-47	B4064 Leachfield	08/13/2025	FD	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DS-47	B4064 Leachfield	08/13/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Total	Zinc	**4.85**	**J / J**	**ug/l**	**2.28**	**20.0**
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Total	Zinc	**4.89**	**J / J**	**ug/l**	**2.28**	**20.0**
DS-47	B4064 Leachfield	08/13/2025	FD	Metals	SW6020	Dissolved	Zinc	2.28	U / U	ug/l	2.28	20.0
DS-47	B4064 Leachfield	08/13/2025	N	Metals	SW6020	Dissolved	Zinc	2.28	U / U	ug/l	2.28	20.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
DS-48	HMSA	02/27/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.145**	**J / J**	**ug/l**	**0.0400**	**0.200**
DS-48	HMSA	08/15/2025	FD	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DS-48	HMSA	08/15/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Barium	**65.8**	**/**	**ug/l**	**0.670**	**4.00**
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Barium	**63.1**	**/**	**ug/l**	**0.670**	**4.00**
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**13**	**/**	**ug/l**	**0.39**	**1.0**
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Cobalt	**0.384**	**J / J**	**ug/l**	**0.300**	**1.00**
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.332**	**J / J**	**ug/l**	**0.300**	**1.00**
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Copper	0.300	U / U	ug/l	0.300	2.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Copper	**0.392**	**J / J**	**ug/l**	**0.300**	**2.00**
DS-48	HMSA	08/15/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	41	U / U	ug/l	41	48

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
DS-48	HMSA	02/27/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**22.8**	**J / J**	**ug/l**	**16.7**	**100**
DS-48	HMSA	08/15/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	29	U / U	ug/l	29	50
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
DS-48	HMSA	02/27/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DS-48	HMSA	02/27/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Nickel	**1.92**	**J / J**	**ug/l**	**0.600**	**2.00**
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Nickel	**2.06**	**/**	**ug/l**	**0.600**	**2.00**
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**26**	**/**	**ug/l**	**0.39**	**1.0**
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
DS-48	HMSA	08/15/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
DS-48	HMSA	02/27/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Acetone	**4.49**	**J / J**	**ug/l**	**1.74**	**5.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	J / U	ug/l	1.74	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Barium	**70.2**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Barium	**66.4**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Copper	**1.47**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Copper	**1.44**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**142**	**J / J**	**ug/l**	**71.4**	**190**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Anions	E300	NA	Fluoride	**0.686**	**/**	**mg/l**	**0.0660**	**0.200**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**2.03**	**J / J**	**ug/l**	**0.500**	**5.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	**0.500**	**J / J**	**ug/l**	**0.500**	**2.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Nickel	**1.10**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Nickel	**0.702**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Anions	E300	NA	Nitrate	**12.0**	**J / J+**	**mg/l**	**1.65**	**5.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Selenium	**2.24**	**B / J**	**ug/l**	**1.50**	**5.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Selenium	**2.29**	**B / J**	**ug/l**	**1.50**	**5.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6010	Total	Sodium	**102000**	**/**	**ug/l**	**100**	**300**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6010	Dissolved	Sodium	**103000**	**/**	**ug/l**	**100**	**300**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	**0.360**	**J / J**	**ug/l**	**0.333**	**1.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.51**	**/**	**ug/l**	**0.333**	**1.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.57**	**/**	**ug/l**	**0.333**	**1.00**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Vanadium	**5.36**	**B / J**	**ug/l**	**3.30**	**20.0**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.89**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	FD	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Total	Zinc	**5.58**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-005	Bldg 65 Metals Clarifier	03/04/2025	N	Metals	SW6020	Dissolved	Zinc	**4.44**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.75	U / U	ug/l	0.75	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.75	U / U	ug/l	0.75	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.58	U / U	ug/l	0.58	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.58	U / U	ug/l	0.58	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.74	U / U	ug/l	0.74	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.74	U / U	ug/l	0.74	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.69	U / U	ug/l	0.69	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.69	U / U	ug/l	0.69	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.163**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.057	U / U	ug/l	0.057	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.68	U / U	ug/l	0.68	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.68	U / U	ug/l	0.68	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.93	U / U	ug/l	0.93	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.93	U / U	ug/l	0.93	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.064	U / U	ug/l	0.064	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.78	U / U	ug/l	0.78	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.78	U / U	ug/l	0.78	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.2	U / U	ug/l	2.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.2	U / U	ug/l	2.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.1	U / U	ug/l	2.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.1	U / U	ug/l	2.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.4	U / U	ug/l	1.4	9.8

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.4	U / U	ug/l	1.4	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.90	U / U	ug/l	0.90	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.90	U / U	ug/l	0.90	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.6	U / U	ug/l	2.6	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.6	U / U	ug/l	2.6	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.6	U / U	ug/l	3.6	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.6	U / U	ug/l	3.6	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.058	U / U	ug/l	0.058	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.052	U / U	ug/l	0.052	0.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.77	U / U	ug/l	0.77	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.77	U / U	ug/l	0.77	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.041	U / U	ug/l	0.041	0.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.72	U / U	ug/l	0.72	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.72	U / U	ug/l	0.72	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Barium	**79.9**	**/**	**ug/l**	**0.670**	**4.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Barium	**79.8**	**/**	**ug/l**	**0.670**	**4.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U*-*1 / UJ	ug/l	11	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U*-*1 / UJ	ug/l	11	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.11	U / U	ug/l	0.11	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.070	U / U	ug/l	0.070	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.084	U / U	ug/l	0.084	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.093	U / U	ug/l	0.093	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.077	U / U	ug/l	0.077	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	49
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.5	U / U	ug/l	2.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.5	U / U	ug/l	2.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.1	U / U	ug/l	4.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.1	U / U	ug/l	4.1	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	0.99	U / U	ug/l	0.99	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	0.99	U / U	ug/l	0.99	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.5	U / U	ug/l	7.5	24
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.6	U / U	ug/l	7.6	25
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.8	U / U	ug/l	4.8	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.8	U / U	ug/l	4.8	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Copper	**1.94**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Copper	**0.516**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**87.0**	**J / J**	**ug/l**	**70.5**	**188**
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.92	U / U	ug/l	0.92	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.92	U / U	ug/l	0.92	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.5	U / U	ug/l	4.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.5	U / U	ug/l	4.5	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.052	U*+ / U	ug/l	0.052	0.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Anions	E300	NA	Fluoride	**0.542**	**/**	**mg/l**	**0.0660**	**0.200**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.87	U / U	ug/l	0.87	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.87	U / U	ug/l	0.87	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	2.9	U / UJ	ug/l	2.9	24
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	3.0	U / U	ug/l	3.0	25
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.87	U / U	ug/l	0.87	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.87	U / U	ug/l	0.87	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.058	U / U	ug/l	0.058	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.75	U / U	ug/l	0.75	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.75	U / U	ug/l	0.75	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Nickel	**1.86**	**J / J**	**ug/l**	**0.600**	**2.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Anions	E300	NA	Nitrate	**16.1**	**/**	**mg/l**	**3.30**	**10.0**
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.3	U / U	ug/l	7.3	24
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.3	U / U	ug/l	7.3	25
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.73	U / U	ug/l	0.73	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.73	U / U	ug/l	0.73	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.7	U / U	ug/l	4.7	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.7	U / U	ug/l	4.7	9.8

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.087	U / U	ug/l	0.087	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.41	U / U	ug/l	0.41	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.42	U / U	ug/l	0.42	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.20
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	FD	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.5	U / U	ug/l	1.5	9.8
PZ-103	Bldg 65 Metals Clarifier	08/18/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.5	U / U	ug/l	1.5	9.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Selenium	**2.25**	**J / J**	**ug/l**	**1.50**	**5.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Selenium	**2.81**	**J / J**	**ug/l**	**1.50**	**5.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6010	Total	Sodium	**88200**	**/**	**ug/l**	**100**	**300**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6010	Dissolved	Sodium	**92000**	**/**	**ug/l**	**100**	**300**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.540**	**JQ / J+**	**ug/l**	**0.333**	**1.00**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Vanadium	**3.94**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Zinc	**5.70**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.289**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.058	U / U	ug/l	0.058	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.065	U / U	ug/l	0.065	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.059	U / U	ug/l	0.059	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.053	U / U	ug/l	0.053	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.042	U / U	ug/l	0.042	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Arsenic	**3.17**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.92**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Barium	**41.1**	**/**	**ug/l**	**0.670**	**4.00**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Barium	**40.3**	**/**	**ug/l**	**0.670**	**4.00**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.11	U / U	ug/l	0.11	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.072	U / U	ug/l	0.072	0.20

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.086	U / U	ug/l	0.086	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.095	U / U	ug/l	0.095	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.079	U / U	ug/l	0.079	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Copper	**0.520**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Copper	**0.343**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.046	U / U	ug/l	0.046	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**118**	**J / J**	**ug/l**	**70.7**	**189**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.053	U / U	ug/l	0.053	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Anions	E300	NA	Fluoride	**0.621**	**/**	**mg/l**	**0.0330**	**0.100**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.059	U / U	ug/l	0.059	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.15	U / U	ug/l	0.15	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	FD	Anions	E300	NA	Nitrate	0.132	U / U	mg/l	0.132	0.400
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Anions	E300	NA	Nitrate	0.132	U / U	mg/l	0.132	0.400
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	FD	Nitroaromatics and Nitramines	SW8330	NA	N-nitrosodimethylamine	0.00034	U / U	ug/l	0.00034	0.0022
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Nitroaromatics and Nitramines	SW8330	NA	N-nitrosodimethylamine	0.00036	U / U	ug/l	0.00036	0.0023
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.089	U / U	ug/l	0.089	0.20
PZ-104	Bldg 65 Metals Clarifier	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.14	U / U	ug/l	0.14	0.20
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6010	Total	Sodium	**270000**	**/**	**ug/l**	**100**	**300**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6010	Dissolved	Sodium	**273000**	**/**	**ug/l**	**100**	**300**
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-104	Bldg 65 Metals Clarifier	02/27/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	(4-chloro-2-methylphenoxy)acetic acid	350	U / U	ug/l	350	500
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	(4-chloro-2-methylphenoxy)acetic acid	350	U / U	ug/l	350	500
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0078	UF1 / UJ	ug/l	0.0078	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0044	UF1 / UJ	ug/l	0.0044	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0057	UF1 / UJ	ug/l	0.0057	0.020
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.77	U / U	ug/l	0.77	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.59	U / U	ug/l	0.59	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.76	U / U	ug/l	0.76	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.70	U / U	ug/l	0.70	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	2,4,5-trichlorophenoxyacetic acid	0.21	U / U	ug/l	0.21	0.50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	2,4,5-trichlorophenoxyacetic acid	0.21	U / U	ug/l	0.21	0.50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	2,4-dichlorophenoxyacetic acid	1.9	U / U	ug/l	1.9	5.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	2,4-dichlorophenoxyacetic acid	2.0	U / U	ug/l	2.0	5.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.69	U / U	ug/l	0.69	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.95	U / U	ug/l	0.95	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.063	U / U	ug/l	0.063	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.80	U / U	ug/l	0.80	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.3	U / U	ug/l	2.3	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.1	U / U	ug/l	2.1	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.4	U / U	ug/l	1.4	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.92	U / U	ug/l	0.92	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.7	U / U	ug/l	2.7	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.6	U / U	ug/l	3.6	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0054	UF1 / UJ	ug/l	0.0054	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	UF1 / UJ	ug/l	0.0043	0.020

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.79	U / U	ug/l	0.79	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U*+ / U	ug/l	0.16	0.40
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.74	U / U	ug/l	0.74	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Barium	**36.1**	**/**	**ug/l**	**0.670**	**4.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Barium	**36.5**	**/**	**ug/l**	**0.670**	**4.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U / U	ug/l	11	50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	U / U	ug/l	0.083	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	U / U	ug/l	0.092	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.5	U / U	ug/l	2.5	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.1	U / U	ug/l	4.1	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	beta-BHC	**0.017**	**J / J**	**ug/l**	**0.013**	**0.020**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	1.0	U / U	ug/l	1.0	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.7	U / U	ug/l	7.7	25
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.9	U / U	ug/l	4.9	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Butanoic acid, 4-(2,4-dichlorophenoxy)-	3.5	U*1 / U	ug/l	3.5	5.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Butanoic acid, 4-(2,4-dichlorophenoxy)-	3.5	U*1 / U	ug/l	3.5	5.0
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Copper	**0.683**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Copper	**0.812**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Dalapon	4.7	U / U	ug/l	4.7	12
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Dalapon	4.7	U / U	ug/l	4.7	12
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	delta-BHC	**0.015**	**J / J**	**ug/l**	**0.0015**	**0.020**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Dicamba	0.28	U / U	ug/l	0.28	0.50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Dicamba	0.28	U / U	ug/l	0.28	0.50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Dichlorprop	1.9	U / U	ug/l	1.9	5.0
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Dichlorprop	2.0	U / U	ug/l	2.0	5.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**195**	**Q / J**	**ug/l**	**65.1**	**174**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.93	U / U	ug/l	0.93	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.6	U / U	ug/l	4.6	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Dinoseb	2.2	U / U	ug/l	2.2	2.5
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Dinoseb	2.2	U / U	ug/l	2.2	2.5
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0070	U / U	ug/l	0.0070	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan II	**0.0060**	**J / J**	**ug/l**	**0.0037**	**0.020**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	**0.011**	**J / J**	**ug/l**	**0.0063**	**0.020**
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0072	U*+F1 / U	ug/l	0.0072	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U*+ / U	ug/l	0.0020	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0028	UF1 / UJ	ug/l	0.0028	0.020
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	UF1 / UJ	ug/l	0.0034	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0030	U / U	ug/l	0.0030	0.020
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.89	U / U	ug/l	0.89	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	3.0	U / U	ug/l	3.0	25
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.88	U / U	ug/l	0.88	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.76	U / U	ug/l	0.76	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	MCPP	300	U / U	ug/l	300	500
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	MCPP	300	U / U	ug/l	300	500
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0091	U / U	ug/l	0.0091	0.020
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.5	U / U	ug/l	7.5	25
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.74	U / U	ug/l	0.74	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.8	U / U	ug/l	4.8	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.086	U / U	ug/l	0.086	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.42	U / U	ug/l	0.42	10
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.5	U / U	ug/l	1.5	10
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Selenium	**2.68**	**J / J**	**ug/l**	**1.50**	**5.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Selenium	**2.88**	**J / J**	**ug/l**	**1.50**	**5.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	FD	Herbicides	SW8151	NA	Silvex (2,4,5-tp)	0.13	U / U	ug/l	0.13	0.50
PZ-105	Bldg 65 Metals Clarifier	08/22/2025	N	Herbicides	SW8151	NA	Silvex (2,4,5-tp)	0.14	U / U	ug/l	0.14	0.50
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6010	Total	Sodium	**75700**	**/**	**ug/l**	**100**	**300**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6010	Dissolved	Sodium	**79500**	**/**	**ug/l**	**100**	**300**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**5.26**	**/**	**ug/l**	**0.333**	**1.00**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Vanadium	**4.42**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.23**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-105	Bldg 65 Metals Clarifier	02/25/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.179**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Arsenic	**2.06**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.03**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Barium	**26.8**	**/**	**ug/l**	**0.670**	**4.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Barium	**25.2**	**/**	**ug/l**	**0.670**	**4.00**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Chromium	**4.37**	**J / J**	**ug/l**	**3.00**	**10.0**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Chromium	**4.03**	**J / J**	**ug/l**	**3.00**	**10.0**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**15.0**	**/**	**ug/l**	**0.333**	**1.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Copper	**0.758**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Copper	**1.04**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-108	HMSA	02/26/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	78.6	J / U	ug/l	78.6	210
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Anions	E300	NA	Fluoride	**0.609**	**/**	**mg/l**	**0.0660**	**0.200**
PZ-108	HMSA	02/26/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**78.3**	**J / J**	**ug/l**	**16.7**	**100**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-108	HMSA	02/26/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-108	HMSA	02/26/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Nickel	**1.16**	**J / J**	**ug/l**	**0.600**	**2.00**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Nickel	**1.22**	**J / J**	**ug/l**	**0.600**	**2.00**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6010	Total	Sodium	**166000**	**/**	**ug/l**	**100**	**300**
PZ-108	HMSA	02/26/2025	N	Metals	SW6010	Dissolved	Sodium	**151000**	**/**	**ug/l**	**100**	**300**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**154**	**/**	**ug/l**	**0.666**	**2.00**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Vanadium	**3.94**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.82**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-108	HMSA	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Total	Zinc	**6.41**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-108	HMSA	02/26/2025	N	Metals	SW6020	Dissolved	Zinc	**4.35**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0608**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Barium	**38.5**	**/**	**ug/l**	**0.670**	**4.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Barium	**31.8**	**/**	**ug/l**	**0.670**	**4.00**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cadmium	**0.360**	**J / J**	**ug/l**	**0.300**	**1.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**9.13**	**/**	**ug/l**	**0.333**	**1.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cobalt	**0.407**	**J / J**	**ug/l**	**0.300**	**1.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Copper	**2.59**	**/**	**ug/l**	**0.300**	**2.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Copper	**0.975**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-109	B4057/59/626	02/26/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**608**	**/**	**ug/l**	**70.9**	**189**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Anions	E300	NA	Fluoride	**0.703**	**/**	**mg/l**	**0.0660**	**0.200**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-109	B4057/59/626	02/26/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**23.2**	**J / J**	**ug/l**	**16.7**	**100**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Lead	**0.918**	**J / J**	**ug/l**	**0.500**	**2.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Nickel	**2.37**	**/**	**ug/l**	**0.600**	**2.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Nickel	**2.11**	**/**	**ug/l**	**0.600**	**2.00**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6010	Total	Sodium	**155000**	**/**	**ug/l**	**100**	**300**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6010	Dissolved	Sodium	**158000**	**/**	**ug/l**	**100**	**300**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	**27.6**	**/**	**ug/l**	**0.333**	**1.00**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**16.0**	**/**	**ug/l**	**0.333**	**1.00**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Vanadium	**4.87**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.88**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-109	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Zinc	**24.8**	**/**	**ug/l**	**3.30**	**20.0**
PZ-109	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Zinc	**19.5**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0079	U / U	ug/l	0.0079	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0079	U / U	ug/l	0.0079	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0045	U / U	ug/l	0.0045	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0045	U / U	ug/l	0.0045	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0057	U / U	ug/l	0.0057	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0057	U / U	ug/l	0.0057	0.020
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0564**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0054	U / U	ug/l	0.0054	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0054	U / U	ug/l	0.0054	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	U / U	ug/l	0.0043	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	U / U	ug/l	0.0043	0.020
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Arsenic	**7.03**	**/**	**ug/l**	**2.00**	**5.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Arsenic	**5.81**	**/**	**ug/l**	**2.00**	**5.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Barium	**35.3**	**/**	**ug/l**	**0.670**	**4.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Barium	**28.1**	**/**	**ug/l**	**0.670**	**4.00**
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	beta-BHC	0.013	U / U	ug/l	0.013	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	beta-BHC	0.013	U / U	ug/l	0.013	0.020
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Cadmium	**0.422**	**J / J**	**ug/l**	**0.300**	**1.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Cobalt	**3.26**	**/**	**ug/l**	**0.300**	**1.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Cobalt	**2.73**	**/**	**ug/l**	**0.300**	**1.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Copper	**2.28**	**/**	**ug/l**	**0.300**	**2.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Copper	0.300	U / U	ug/l	0.300	2.00
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	delta-BHC	0.0015	U / U	ug/l	0.0015	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	delta-BHC	0.0015	U / U	ug/l	0.0015	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0070	U / U	ug/l	0.0070	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0070	U / U	ug/l	0.0070	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endosulfan II	0.0038	U / U	ug/l	0.0038	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan II	0.0038	U / U	ug/l	0.0038	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	0.0064	U / U	ug/l	0.0064	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	0.0063	U / U	ug/l	0.0063	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0073	U / U	ug/l	0.0073	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0073	U / U	ug/l	0.0073	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U / U	ug/l	0.0020	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U / U	ug/l	0.0020	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0028	U / U	ug/l	0.0028	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0028	U / U	ug/l	0.0028	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	U / U	ug/l	0.0034	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	U / U	ug/l	0.0034	0.020
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0030	U / U	ug/l	0.0030	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0030	U / U	ug/l	0.0030	0.020
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-116	RMHF	02/19/2025	N	Metals	SW7470	Total	Mercury	0.0670	UJ / UJ	ug/l	0.0670	0.200
PZ-116	RMHF	02/19/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
PZ-116	RMHF	08/25/2025	FD	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0092	U / U	ug/l	0.0092	0.020
PZ-116	RMHF	08/25/2025	N	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0092	U / U	ug/l	0.0092	0.020
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Nickel	**4.98**	**/**	**ug/l**	**0.600**	**2.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Nickel	**4.06**	**/**	**ug/l**	**0.600**	**2.00**
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6010	Total	Sodium	**138000**	**/**	**ug/l**	**100**	**300**
PZ-116	RMHF	02/19/2025	N	Metals	SW6010	Dissolved	Sodium	**130000**	**/**	**ug/l**	**100**	**300**
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Tin	**2.12**	**J / J**	**ug/l**	**1.00**	**5.00**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Vanadium	**4.01**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
PZ-116	RMHF	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Total	Zinc	**9.26**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-116	RMHF	02/19/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.837**	**/**	**ug/l**	**0.0400**	**0.200**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Arsenic	**2.98**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.92**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Barium	**17.2**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Barium	**14.2**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Cobalt	**0.386**	**B / J**	**ug/l**	**0.300**	**1.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Copper	**3.48**	**/**	**ug/l**	**0.300**	**2.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Copper	**2.09**	**/**	**ug/l**	**0.300**	**2.00**
PZ-120	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**91.6**	**J / J**	**ug/l**	**70.5**	**188**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Lead	**0.778**	**B / J**	**ug/l**	**0.500**	**2.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-120	HMSA	03/04/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-120	HMSA	03/04/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Nickel	**2.92**	**/**	**ug/l**	**0.600**	**2.00**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Nickel	**2.61**	**/**	**ug/l**	**0.600**	**2.00**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6010	Total	Sodium	**72100**	**/**	**ug/l**	**100**	**300**
PZ-120	HMSA	03/04/2025	N	Metals	SW6010	Dissolved	Sodium	**72200**	**/**	**ug/l**	**100**	**300**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.99**	**/**	**ug/l**	**0.333**	**1.00**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Vanadium	**6.53**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Vanadium	**6.06**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-120	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Total	Zinc	**14.4**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-120	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Zinc	**4.79**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Arsenic	**2.92**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Barium	**68.9**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Barium	**64.8**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Cadmium	**6.91**	**/**	**ug/l**	**0.300**	**1.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cadmium	**5.17**	**/**	**ug/l**	**0.300**	**1.00**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Cobalt	**1.52**	**/**	**ug/l**	**0.300**	**1.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.970**	**B / J**	**ug/l**	**0.300**	**1.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Copper	**3.04**	**/**	**ug/l**	**0.300**	**2.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Copper	**2.50**	**/**	**ug/l**	**0.300**	**2.00**
PZ-121	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**190**	**J / J**	**ug/l**	**72.1**	**192**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Lead	**1.76**	**B / J**	**ug/l**	**0.500**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-121	HMSA	03/04/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-121	HMSA	03/04/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Nickel	**5.15**	**/**	**ug/l**	**0.600**	**2.00**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Nickel	**4.88**	**/**	**ug/l**	**0.600**	**2.00**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6010	Total	Sodium	**121000**	**/**	**ug/l**	**100**	**300**
PZ-121	HMSA	03/04/2025	N	Metals	SW6010	Dissolved	Sodium	**123000**	**/**	**ug/l**	**100**	**300**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.380**	**J / J**	**ug/l**	**0.333**	**1.00**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Vanadium	**4.62**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.85**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-121	HMSA	03/04/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Total	Zinc	**125**	**/**	**ug/l**	**3.30**	**20.0**
PZ-121	HMSA	03/04/2025	N	Metals	SW6020	Dissolved	Zinc	**92.3**	**/**	**ug/l**	**3.30**	**20.0**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.105**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Barium	**63.5**	**/**	**ug/l**	**0.670**	**4.00**
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Barium	**65.5**	**/**	**ug/l**	**0.670**	**4.00**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**0.340**	**J / J**	**ug/l**	**0.333**	**1.00**
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Copper	**1.05**	**J / J**	**ug/l**	**0.300**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Copper	**0.768**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-122	HMSA	02/25/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**101**	**JQ / J**	**ug/l**	**65.0**	**173**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-122	HMSA	02/25/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-122	HMSA	02/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Nickel	**2.08**	**/**	**ug/l**	**0.600**	**2.00**
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Nickel	**1.99**	**J / J**	**ug/l**	**0.600**	**2.00**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6010	Total	Sodium	**61900**	**/**	**ug/l**	**100**	**300**
PZ-122	HMSA	02/25/2025	N	Metals	SW6010	Dissolved	Sodium	**59900**	**/**	**ug/l**	**100**	**300**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**6.43**	**/**	**ug/l**	**0.333**	**1.00**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Vanadium	**3.62**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.49**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-122	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Total	Zinc	**4.73**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-122	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Zinc	**3.83**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.698**	**/**	**ug/l**	**0.0400**	**0.200**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	**19.8**	**/**	**ug/l**	**1.74**	**5.00**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Barium	**61.3**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Barium	**53.9**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Cobalt	**0.465**	**B / J**	**ug/l**	**0.300**	**1.00**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Copper	**0.692**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Copper	**1.12**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-162	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**157**	**J / J**	**ug/l**	**70.8**	**189**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	FD	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-162	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-162	HMSA	03/03/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-162	HMSA	03/03/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**2.69**	**J / J**	**ug/l**	**0.500**	**5.00**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Nickel	**1.63**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Nickel	**1.25**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.203**	**/**	**ug/l**	**0.0500**	**0.200**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6010	Total	Sodium	**68900**	**/**	**ug/l**	**100**	**300**
PZ-162	HMSA	03/03/2025	N	Metals	SW6010	Dissolved	Sodium	**68900**	**/**	**ug/l**	**100**	**300**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**3.23**	**H / J**	**ug/l**	**0.333**	**1.00**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Vanadium	**5.02**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.88**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-162	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Total	Zinc	**4.77**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-162	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Zinc	**3.56**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	**18.5**	**/ J**	**ug/l**	**1.67**	**5.00**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**1.07**	**/**	**ug/l**	**0.0400**	**0.200**
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.057	UF2 / U	ug/l	0.057	0.20
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.063	U / U	ug/l	0.063	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U*+F2 / U	ug/l	0.057	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.052	UF2 / U	ug/l	0.052	0.20
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.041	UF2 / U	ug/l	0.041	0.20
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.19	U / U	ug/l	0.19	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.19	U / U	ug/l	0.19	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.19	U / U	ug/l	0.19	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.19	U / U	ug/l	0.19	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.19	U / U	ug/l	0.19	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
PZ-163	HMSA	08/13/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Barium	**47.2**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Barium	**45.0**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	UF2 / U	ug/l	0.10	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.070	UF2 / U	ug/l	0.070	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	UF2 / U	ug/l	0.083	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	UF2 / U	ug/l	0.092	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.077	UF2 / U	ug/l	0.077	0.20
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	UF2 / U	ug/l	0.11	0.20
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**11.2**	**/**	**ug/l**	**0.333**	**1.00**
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Copper	**0.605**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Copper	**1.14**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	UF2 / U	ug/l	0.045	0.20
PZ-163	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**82.8**	**J / J**	**ug/l**	**70.7**	**189**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	UF2 / U	ug/l	0.11	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U*+F2 / U	ug/l	0.051	0.20
PZ-163	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**51.8**	**J / J**	**ug/l**	**16.7**	**100**
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	UF2 / U	ug/l	0.057	0.20
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-163	HMSA	03/03/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-163	HMSA	03/03/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**2.76**	**J / J**	**ug/l**	**0.500**	**5.00**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.20
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Nickel	**0.948**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Nickel	**0.932**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.086	UF2 / U	ug/l	0.086	0.20
PZ-163	HMSA	08/13/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	UF2 / U	ug/l	0.13	0.20
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6010	Total	Sodium	**63500**	**/**	**ug/l**	**100**	**300**
PZ-163	HMSA	03/03/2025	N	Metals	SW6010	Dissolved	Sodium	**64400**	**/**	**ug/l**	**100**	**300**

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**138**	**H / J**	**ug/l**	**0.666**	**2.00**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Vanadium	**3.92**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.51**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-163	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-163	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Zinc	**3.58**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
PZ-164	HMSA	08/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Arsenic	**8.49**	**/**	**ug/l**	**0.193**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Arsenic	**8.28**	**/**	**ug/l**	**0.193**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Barium	**66.5**	**/**	**ug/l**	**0.653**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Barium	**72.5**	**/**	**ug/l**	**0.653**	**1.00**
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Chromium	**0.384**	**J / J**	**ug/l**	**0.369**	**2.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Cobalt	**1.32**	**/**	**ug/l**	**0.0480**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Cobalt	**1.28**	**/**	**ug/l**	**0.0480**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Copper	**0.916**	**J / J**	**ug/l**	**0.232**	**2.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Copper	0.232	U / U	ug/l	0.232	2.00
PZ-164	HMSA	08/25/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**66**	**/**	**ug/l**	**40**	**48**
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
PZ-164	HMSA	08/25/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	28	U / U	ug/l	28	50
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Lead	**0.115**	**J / J**	**ug/l**	**0.0590**	**1.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
PZ-164	HMSA	08/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Molybdenum	**26.6**	**/**	**ug/l**	**0.762**	**2.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Molybdenum	**27.4**	**/**	**ug/l**	**0.762**	**2.00**
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Nickel	**4.87**	**/**	**ug/l**	**0.784**	**2.00**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Nickel	**4.84**	**/**	**ug/l**	**0.784**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Sodium	**131000**	**/**	**ug/l**	**1110**	**2000**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Sodium	**127000**	**^2 /**	**ug/l**	**1110**	**2000**
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Vanadium	0.493	U / U	ug/l	0.493	2.00
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Vanadium	0.493	U / U	ug/l	0.493	2.00
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
PZ-164	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Total	Zinc	**3.95**	**J / J**	**ug/l**	**2.28**	**20.0**
PZ-164	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Zinc	**2.44**	**J / J**	**ug/l**	**2.28**	**20.0**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.560**	**J / J**	**ug/l**	**0.333**	**1.00**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**1.86**	**/**	**ug/l**	**0.0400**	**0.200**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Arsenic	**3.80**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Arsenic	**3.91**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Arsenic	**3.91**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Arsenic	**3.97**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Barium	**17.7**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Barium	**15.2**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Barium	**13.7**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Barium	**13.3**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Copper	**3.07**	**/**	**ug/l**	**0.300**	**2.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Copper	**2.44**	**/**	**ug/l**	**0.300**	**2.00**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Copper	**2.27**	**/**	**ug/l**	**0.300**	**2.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Copper	**1.58**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-165	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**150**	**J / J**	**ug/l**	**70.8**	**189**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-165	HMSA	03/03/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-165	HMSA	03/03/2025	FD	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-165	HMSA	03/03/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Nickel	**2.40**	**/**	**ug/l**	**0.600**	**2.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Nickel	**1.86**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Nickel	**1.19**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Nickel	**1.01**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6010	Total	Sodium	**90200**	**/**	**ug/l**	**100**	**300**
PZ-165	HMSA	03/03/2025	N	Metals	SW6010	Total	Sodium	**90000**	**/**	**ug/l**	**100**	**300**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6010	Dissolved	Sodium	**91000**	**/**	**ug/l**	**100**	**300**
PZ-165	HMSA	03/03/2025	N	Metals	SW6010	Dissolved	Sodium	**90100**	**/**	**ug/l**	**100**	**300**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**13.8**	**/**	**ug/l**	**0.333**	**1.00**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Vanadium	**6.75**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Vanadium	**6.29**	**B / J**	**ug/l**	**3.30**	**20.0**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Vanadium	**5.94**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Vanadium	**5.84**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Total	Zinc	**7.24**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Total	Zinc	**6.32**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	FD	Metals	SW6020	Dissolved	Zinc	**4.31**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-165	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.157**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Arsenic	**9.02**	**/**	**ug/l**	**2.00**	**5.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Arsenic	**8.27**	**/**	**ug/l**	**2.00**	**5.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Barium	**21.1**	**/**	**ug/l**	**0.670**	**4.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Barium	**8.51**	**/**	**ug/l**	**0.670**	**4.00**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Chromium	**4.68**	**J / J**	**ug/l**	**3.00**	**10.0**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Cobalt	**1.82**	**/**	**ug/l**	**0.300**	**1.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cobalt	**1.01**	**/**	**ug/l**	**0.300**	**1.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Copper	**3.75**	**/**	**ug/l**	**0.300**	**2.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Copper	**1.66**	**J / J**	**ug/l**	**0.300**	**2.00**
PZ-166	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**219**	**/**	**ug/l**	**70.7**	**189**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Lead	**0.893**	**J / J**	**ug/l**	**0.500**	**2.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-166	HMSA	02/28/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-166	HMSA	02/28/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Nickel	**86.1**	**/**	**ug/l**	**0.600**	**2.00**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Nickel	**88.4**	**/**	**ug/l**	**0.600**	**2.00**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Tin	**1.07**	**J / J**	**ug/l**	**1.00**	**5.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.21**	**/**	**ug/l**	**0.333**	**1.00**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Vanadium	**11.1**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Vanadium	**7.72**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-166	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Total	Zinc	**11.6**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-166	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
PZ-167	HMSA	08/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.51
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Arsenic	**2.68**	**/**	**ug/l**	**0.193**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.71**	**/**	**ug/l**	**0.193**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Barium	**7.69**	**/**	**ug/l**	**0.653**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Barium	**5.39**	**/**	**ug/l**	**0.653**	**1.00**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Chromium	**1.62**	**J / J**	**ug/l**	**0.369**	**2.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Chromium	**0.645**	**J / J**	**ug/l**	**0.369**	**2.00**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Cobalt	**0.464**	**J / J**	**ug/l**	**0.0480**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.169**	**J / J**	**ug/l**	**0.0480**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Copper	**1.73**	**J / J**	**ug/l**	**0.232**	**2.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Copper	**0.781**	**J / J**	**ug/l**	**0.232**	**2.00**
PZ-167	HMSA	08/25/2025	FD	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**100**	**/**	**ug/l**	**40**	**47**
PZ-167	HMSA	08/25/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**97**	**/**	**ug/l**	**40**	**47**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
PZ-167	HMSA	08/25/2025	FD	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	28	U / U	ug/l	28	50
PZ-167	HMSA	08/25/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	28	U / U	ug/l	28	50
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Lead	**0.329**	**J / J**	**ug/l**	**0.0590**	**1.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
PZ-167	HMSA	08/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Molybdenum	**12.2**	**/**	**ug/l**	**0.762**	**2.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Molybdenum	**14.0**	**/**	**ug/l**	**0.762**	**2.00**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Nickel	**3.02**	**/**	**ug/l**	**0.784**	**2.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Nickel	**2.59**	**/**	**ug/l**	**0.784**	**2.00**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Sodium	**44900**	**/**	**ug/l**	**55.5**	**100**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Sodium	**45100**	**/**	**ug/l**	**55.5**	**100**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Vanadium	**4.28**	**/**	**ug/l**	**0.493**	**2.00**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.63**	**/**	**ug/l**	**0.493**	**2.00**
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
PZ-167	HMSA	08/25/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Total	Zinc	**5.53**	**J / J**	**ug/l**	**2.28**	**20.0**
PZ-167	HMSA	08/25/2025	N	Metals	SW6020	Dissolved	Zinc	2.28	U / U	ug/l	2.28	20.0
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0464**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Arsenic	**4.19**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Arsenic	**3.11**	**J / J**	**ug/l**	**2.00**	**5.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Barium	**39.3**	**/**	**ug/l**	**0.670**	**4.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Barium	**18.2**	**/**	**ug/l**	**0.670**	**4.00**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Chromium	**7.19**	**J / J**	**ug/l**	**3.00**	**10.0**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Cobalt	**1.29**	**/**	**ug/l**	**0.300**	**1.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Copper	**5.02**	**/**	**ug/l**	**0.300**	**2.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Copper	**2.38**	**/**	**ug/l**	**0.300**	**2.00**
PZ-168	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**236**	**/**	**ug/l**	**72.0**	**192**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Lead	**1.44**	**J / J**	**ug/l**	**0.500**	**2.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-168	HMSA	02/28/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-168	HMSA	02/28/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Nickel	**3.76**	**/**	**ug/l**	**0.600**	**2.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Nickel	**0.788**	**J / J**	**ug/l**	**0.600**	**2.00**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Tin	**1.14**	**J / J**	**ug/l**	**1.00**	**5.00**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.990**	**J / J**	**ug/l**	**0.333**	**1.00**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Vanadium	**11.4**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Vanadium	**5.25**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-168	HMSA	02/28/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Total	Zinc	**17.6**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-168	HMSA	02/28/2025	N	Metals	SW6020	Dissolved	Zinc	**4.65**	**J / J**	**ug/l**	**3.30**	**20.0**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.187**	**J / J**	**ug/l**	**0.0400**	**0.200**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Arsenic	**2.15**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.07**	**B / J**	**ug/l**	**2.00**	**5.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Barium	**36.6**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Barium	**33.4**	**J /**	**ug/l**	**0.670**	**4.00**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Copper	**0.969**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Copper	**0.764**	**B / J**	**ug/l**	**0.300**	**2.00**
PZ-169	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**71.4**	**J / J**	**ug/l**	**70.5**	**188**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
PZ-169	HMSA	03/03/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-169	HMSA	03/03/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Nickel	**1.58**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Nickel	**1.24**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6010	Total	Sodium	**57400**	**/**	**ug/l**	**100**	**300**
PZ-169	HMSA	03/03/2025	N	Metals	SW6010	Dissolved	Sodium	**57300**	**/**	**ug/l**	**100**	**300**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Thallium	**0.690**	**B / J**	**ug/l**	**0.600**	**2.00**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**4.32**	**/**	**ug/l**	**0.333**	**1.00**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Vanadium	**5.23**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.45**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-169	HMSA	03/03/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Total	Zinc	**3.62**	**B / J**	**ug/l**	**3.30**	**20.0**
PZ-169	HMSA	03/03/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Barium	**31.8**	**/**	**ug/l**	**0.670**	**4.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Barium	**30.9**	**/**	**ug/l**	**0.670**	**4.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**4.69**	**/**	**ug/l**	**0.333**	**1.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Copper	**0.390**	**J / J**	**ug/l**	**0.300**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Copper	**0.477**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	63.2	UQ / U	ug/l	63.2	169
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Anions	E300	NA	Fluoride	**0.340**	**/**	**mg/l**	**0.0330**	**0.100**
RD-07	Bldg 56 Landfill	02/24/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**41.5**	**J / J**	**ug/l**	**16.7**	**100**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	FD	Perchlorate	SW6850	NA	Perchlorate	**0.228**	**/**	**ug/l**	**0.0500**	**0.200**
RD-07	Bldg 56 Landfill	02/24/2025	N	Perchlorate	SW6850	NA	Perchlorate	**0.227**	**/**	**ug/l**	**0.0500**	**0.200**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Selenium	**2.08**	**J / J**	**ug/l**	**1.50**	**5.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Selenium	**2.22**	**J / J**	**ug/l**	**1.50**	**5.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6010	Total	Sodium	**35200**	**/**	**ug/l**	**100**	**300**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6010	Dissolved	Sodium	**34100**	**/**	**ug/l**	**100**	**300**
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**56.2**	**/**	**ug/l**	**0.333**	**1.00**
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Vanadium	**3.30**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-07	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Zinc	**5.46**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-07	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Zinc	**3.79**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.11	U / U	pg/l	0.11	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.30	U / U	pg/l	0.30	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	2.6	U / U	pg/l	2.6	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	0.28	U / U	pg/l	0.28	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.12	U / U	pg/l	0.12	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.31	U / U	pg/l	0.31	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	1.8	U / U	pg/l	1.8	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	0.25	U / U	pg/l	0.25	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.38	U / U	pg/l	0.38	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.41	U / U	pg/l	0.41	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	1.6	U / U	pg/l	1.6	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	0.24	U / U	pg/l	0.24	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.43	U / U	pg/l	0.43	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.45	U / U	pg/l	0.45	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	2.0	U / U	pg/l	2.0	50

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	0.22	U / U	pg/l	0.22	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.38	U / U	pg/l	0.38	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.40	U / U	pg/l	0.40	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	0.91	U / U	pg/l	0.91	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	1.1	U / U	pg/l	1.1	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	0.16	U / U	pg/l	0.16	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	1.0	U / U	pg/l	1.0	50
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.265**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	1.6	U / U	pg/l	1.6	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	0.24	U / U	pg/l	0.24	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	0.79	U / U	pg/l	0.79	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	1.1	U / U	pg/l	1.1	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	0.36	U / U	pg/l	0.36	10
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	1.8	U / U	pg/l	1.8	10
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.38	U / U	pg/l	0.38	10
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	2.0	U / U	pg/l	2.0	10
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-14	OCY	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Barium	**47.9**	**/**	**ug/l**	**0.670**	**4.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Barium	**47.5**	**/**	**ug/l**	**0.670**	**4.00**
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Barium	**47.9**	**/**	**ug/l**	**0.670**	**4.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Barium	**46.6**	**/**	**ug/l**	**0.670**	**4.00**
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**0.450**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Copper	**0.303**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Copper	0.300	U / U	ug/l	0.300	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Copper	**0.579**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Copper	0.300	U / U	ug/l	0.300	2.00
RD-14	OCY	02/19/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.5	UQ / U	ug/l	70.5	188
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	0.12	U / U	pg/l	0.12	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	0.31	U / U	pg/l	0.31	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	2.6	U / U	pg/l	2.6	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	0.28	U / U	pg/l	0.28	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	2.0	U / U	pg/l	2.0	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	0.25	U / U	pg/l	0.25	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	0.43	U / U	pg/l	0.43	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	0.45	U / U	pg/l	0.45	50
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW7470	Total	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-14	OCY	02/19/2025	N	Metals	SW7470	Total	Mercury	**0.161**	**JJ / J**	**ug/l**	**0.0670**	**0.200**
RD-14	OCY	02/19/2025	FD	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-14	OCY	02/19/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Nickel	**0.792**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Nickel	**0.730**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Nickel	**0.887**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Nickel	**0.707**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.12	U / U	pg/l	0.12	100
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.99	U / U	pg/l	0.99	100
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	0.48	U / U	pg/l	0.48	100
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	0.38	U / U	pg/l	0.38	100
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	0.91	U / U	pg/l	0.91	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	1.1	U / U	pg/l	1.1	50
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	0.16	U / U	pg/l	0.16	50
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	1.0	U / U	pg/l	1.0	50
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6010	Total	Sodium	**41600**	**/**	**ug/l**	**100**	**300**
RD-14	OCY	02/19/2025	N	Metals	SW6010	Total	Sodium	**41900**	**/**	**ug/l**	**100**	**300**
RD-14	OCY	02/19/2025	FD	Metals	SW6010	Dissolved	Sodium	**41600**	**/**	**ug/l**	**100**	**300**
RD-14	OCY	02/19/2025	N	Metals	SW6010	Dissolved	Sodium	**42000**	**/**	**ug/l**	**100**	**300**
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	0.52	U / U	pg/l	0.52	10
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	1.8	U / U	pg/l	1.8	10
RD-14	OCY	08/19/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	0.38	U / U	pg/l	0.38	10
RD-14	OCY	08/26/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	2.0	U / U	pg/l	2.0	10

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**3.52**	**/**	**ug/l**	**0.333**	**1.00**
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-14	OCY	02/19/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Total	Zinc	**110**	**/**	**ug/l**	**3.30**	**20.0**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Total	Zinc	**111**	**/**	**ug/l**	**3.30**	**20.0**
RD-14	OCY	02/19/2025	FD	Metals	SW6020	Dissolved	Zinc	**112**	**/**	**ug/l**	**3.30**	**20.0**
RD-14	OCY	02/19/2025	N	Metals	SW6020	Dissolved	Zinc	**107**	**/**	**ug/l**	**3.30**	**20.0**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	(4-chloro-2-methylphenoxy)acetic acid	340	U / U	ug/l	340	480
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0079	U / U	ug/l	0.0079	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0045	U / U	ug/l	0.0045	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0057	U / U	ug/l	0.0057	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.74	U / U	ug/l	0.74	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.58	U / U	ug/l	0.58	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.73	U / U	ug/l	0.73	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.68	U / U	ug/l	0.68	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	2,4,5-trichlorophenoxyacetic acid	0.20	U / U	ug/l	0.20	0.48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	2,4-dichlorophenoxyacetic acid	1.9	U / U	ug/l	1.9	4.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.67	U / U	ug/l	0.67	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.92	U / U	ug/l	0.92	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.77	U / U	ug/l	0.77	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.2	U / U	ug/l	2.2	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.1	U / U	ug/l	2.1	9.7

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VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.3	U / U	ug/l	1.3	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.89	U / U	ug/l	0.89	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.6	U / U	ug/l	2.6	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.5	U / U	ug/l	3.5	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.056	U / U	ug/l	0.056	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0054	U / U	ug/l	0.0054	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	U / U	ug/l	0.0043	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.76	U / U	ug/l	0.76	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Arsenic	**0.309**	**J / J**	**ug/l**	**0.193**	**1.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Arsenic	0.193	U / U	ug/l	0.193	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.71	U / U	ug/l	0.71	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Barium	**87.5**	**/**	**ug/l**	**0.653**	**1.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Barium	**87.8**	**/**	**ug/l**	**0.653**	**1.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U / U	ug/l	11	48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.082	U / U	ug/l	0.082	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.091	U / U	ug/l	0.091	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.4	U / U	ug/l	2.4	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.0	U / U	ug/l	4.0	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	beta-BHC	0.013	U / U	ug/l	0.013	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.2	U / U	ug/l	1.2	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	0.98	U / U	ug/l	0.98	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.5	U / U	ug/l	7.5	24
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.7	U / U	ug/l	4.7	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Butanoic acid, 4-(2,4-dichlorophenoxy)-	3.4	U*1 / U	ug/l	3.4	4.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Chromium	0.369	U / U	ug/l	0.369	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Cobalt	**0.112**	**J / J**	**ug/l**	**0.0480**	**1.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Cobalt	0.0480	U / U	ug/l	0.0480	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Copper	**0.367**	**J / J**	**ug/l**	**0.232**	**2.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Copper	0.232	U / U	ug/l	0.232	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Dalapon	4.5	U / U	ug/l	4.5	12
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	delta-BHC	0.0015	U / U	ug/l	0.0015	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.044	U / U	ug/l	0.044	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	9.7

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Dicamba	0.27	U / U	ug/l	0.27	0.48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Dichlorprop	1.9	U / U	ug/l	1.9	4.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.90	U / U	ug/l	0.90	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.4	U / U	ug/l	4.4	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Dinoseb	2.1	U / U	ug/l	2.1	2.4
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0070	U / U	ug/l	0.0070	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan II	0.0038	U / U	ug/l	0.0038	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	0.0063	U / U	ug/l	0.0063	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0073	U / U	ug/l	0.0073	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U / U	ug/l	0.0020	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0028	U / U	ug/l	0.0028	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	U / U	ug/l	0.0034	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0030	U / U	ug/l	0.0030	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.86	U / U	ug/l	0.86	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	2.9	U / U	ug/l	2.9	24
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.86	U / U	ug/l	0.86	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.056	U / U	ug/l	0.056	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Lead	**0.993**	**J / J**	**ug/l**	**0.0590**	**1.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.74	U / U	ug/l	0.74	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	MCPP	290	U / U	ug/l	290	480
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
RD-17	B4030/4093 Leachfields	08/20/2025	N	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0092	U / U	ug/l	0.0092	0.020
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Molybdenum	0.762	U / U	ug/l	0.762	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Molybdenum	0.762	U / U	ug/l	0.762	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Nickel	**0.914**	**J / J**	**ug/l**	**0.784**	**2.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Nickel	0.784	U / U	ug/l	0.784	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.2	U / U	ug/l	7.2	24
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.72	U / U	ug/l	0.72	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.7	U / U	ug/l	4.7	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.085	U / U	ug/l	0.085	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.41	U / U	ug/l	0.41	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-17	B4030/4093 Leachfields	08/20/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.4	U / U	ug/l	1.4	9.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Selenium	**0.795**	**J / J**	**ug/l**	**0.678**	**2.00**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-17	B4030/4093 Leachfields	08/20/2025	N	Herbicides	SW8151	NA	Silvex (2,4,5-tp)	0.13	U / U	ug/l	0.13	0.48
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Sodium	**37900**	**/**	**ug/l**	**55.5**	**100**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Sodium	**36400**	**/**	**ug/l**	**55.5**	**100**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.77**	**J / J**	**ug/l**	**0.39**	**1.0**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Vanadium	0.493	U / U	ug/l	0.493	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Vanadium	0.493	U / U	ug/l	0.493	2.00
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
RD-17	B4030/4093 Leachfields	08/20/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Total	Zinc	**212**	**/**	**ug/l**	**2.28**	**20.0**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Metals	SW6020	Dissolved	Zinc	**164**	**/**	**ug/l**	**2.28**	**20.0**
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0474**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.063	U / U	ug/l	0.063	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-19	B4133	08/22/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U*+ / U	ug/l	0.16	0.40
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Barium	**74.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Barium	**75.9**	**/**	**ug/l**	**0.670**	**4.00**
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	U / U	ug/l	0.083	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	U / U	ug/l	0.092	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Copper	**0.404**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Copper	**1.23**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.19
RD-19	B4133	02/20/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.8	UQ / U	ug/l	70.8	189
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
RD-19	B4133	02/20/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-19	B4133	02/20/2025	N	Metals	SW7470	Total	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-19	B4133	02/20/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Nickel	**1.61**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Nickel	**1.55**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.086	U / U	ug/l	0.086	0.19
RD-19	B4133	08/22/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Vanadium	**3.37**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.67**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-19	B4133	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-19	B4133	02/20/2025	N	Metals	SW6020	Total	Zinc	**49.8**	**/**	**ug/l**	**3.30**	**20.0**
RD-19	B4133	02/20/2025	N	Metals	SW6020	Dissolved	Zinc	**50.8**	**/**	**ug/l**	**3.30**	**20.0**
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.12	U / U	pg/l	0.12	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.082	U / U	pg/l	0.082	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	**10**	**Jq / J**	**pg/l**	**2.9**	**48**
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	2.2	U / U	pg/l	2.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.15	U / U	pg/l	0.15	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.095	U / U	pg/l	0.095	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	1.4	U / U	pg/l	1.4	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	1.1	U / U	pg/l	1.1	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.16	U / U	pg/l	0.16	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.085	U / U	pg/l	0.085	48

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	1.4	U / U	pg/l	1.4	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	1.2	U / U	pg/l	1.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.18	U / U	pg/l	0.18	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.095	U / U	pg/l	0.095	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	1.7	U / U	pg/l	1.7	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	1.2	U / U	pg/l	1.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.16	U / U	pg/l	0.16	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.085	U / U	pg/l	0.085	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	0.14	U / U	pg/l	0.14	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	0.12	U / U	pg/l	0.12	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	0.10	U*1 / U	pg/l	0.10	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	0.081	U*1 / U	pg/l	0.081	48
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	1.4	U / U	pg/l	1.4	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	1.2	U / U	pg/l	1.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	0.13	U / U	pg/l	0.13	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	0.11	U / U	pg/l	0.11	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	0.015	U / U	pg/l	0.015	9.6
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	0.015	U / U	pg/l	0.015	9.6
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.037	U / U	pg/l	0.037	9.6
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.044	U / U	pg/l	0.044	9.6
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.082	U / U	ug/l	0.082	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.082	U / U	ug/l	0.082	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.091	U / U	ug/l	0.091	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.091	U / U	ug/l	0.091	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.044	U / U	ug/l	0.044	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.044	U / U	ug/l	0.044	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	**0.14**	**J / J**	**ug/l**	**0.11**	**0.19**
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U*+ / U	ug/l	0.051	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U*+ / U	ug/l	0.051	0.19
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	**1.8**	**Jq / J**	**pg/l**	**0.14**	**48**
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	0.095	U / U	pg/l	0.095	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	**32**	**Jq / J**	**pg/l**	**2.9**	**48**
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	2.2	U / U	pg/l	2.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	1.7	U / U	pg/l	1.7	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	1.2	U / U	pg/l	1.2	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	3.5	U / U	pg/l	3.5	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	0.095	U / U	pg/l	0.095	48

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.22	JB / U	pg/l	0.22	96
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.16	JBq / UJ	pg/l	0.16	96
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	**220**	**B / J**	**pg/l**	**1.0**	**96**
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	0.29	JB / UJ	pg/l	0.29	96
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	0.14	U / U	pg/l	0.14	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	0.12	U / U	pg/l	0.12	48
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	0.53	U / U	pg/l	0.53	48
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	0.86	U / U	pg/l	0.86	48
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	**0.13**	**J / J**	**ug/l**	**0.085**	**0.19**
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.085	U / U	ug/l	0.085	0.19
RD-20	B4100 Trench	08/15/2025	FD	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-20	B4100 Trench	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	0.015	U / U	pg/l	0.015	9.6
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	0.015	U / U	pg/l	0.015	9.6
RD-20	B4100 Trench	08/15/2025	FD	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	0.037	U / U	pg/l	0.037	9.6
RD-20	B4100 Trench	08/15/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	0.044	U / U	pg/l	0.044	9.6
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	**0.800**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-21	FSDF	03/06/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.534**	**/**	**ug/l**	**0.0400**	**0.200**
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-21	FSDF	08/11/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Barium	**44.5**	**J /**	**ug/l**	**0.670**	**4.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Barium	**42.9**	**J /**	**ug/l**	**0.670**	**4.00**
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.082	U / U	ug/l	0.082	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.091	U / U	ug/l	0.091	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	**27.2**	**/**	**ug/l**	**0.333**	**1.00**
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	**22.5**	**/**	**ug/l**	**0.333**	**1.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**9.84**	**/**	**ug/l**	**0.333**	**1.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Copper	**0.675**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Copper	**1.43**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.044	U / U	ug/l	0.044	0.19
RD-21	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.5	U / U	ug/l	70.5	188
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
RD-21	FSDF	03/06/2025	N	Anions	E300	NA	Fluoride	**0.630**	**/**	**mg/l**	**0.0330**	**0.100**
RD-21	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**411**	**/**	**ug/l**	**16.7**	**100**
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-21	FSDF	03/06/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-21	FSDF	03/06/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Nickel	**0.601**	**B / J**	**ug/l**	**0.600**	**2.00**
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Perchlorate	SW6850	NA	Perchlorate	**12.2**	**J / J**	**ug/l**	**0.100**	**0.400**
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.085	U / U	ug/l	0.085	0.19
RD-21	FSDF	08/11/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Selenium	**2.94**	**B / J**	**ug/l**	**1.50**	**5.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Selenium	**3.36**	**B / J**	**ug/l**	**1.50**	**5.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6010	Total	Sodium	**61000**	**/**	**ug/l**	**100**	**300**
RD-21	FSDF	03/06/2025	N	Metals	SW6010	Dissolved	Sodium	**63500**	**/**	**ug/l**	**100**	**300**
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	**0.410**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**959**	**H / J**	**ug/l**	**3.33**	**10.0**
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-21	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Total	Zinc	**12.7**	**B / J**	**ug/l**	**3.30**	**20.0**
RD-21	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Zinc	**9.31**	**B / J**	**ug/l**	**3.30**	**20.0**
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	J / U	ug/l	1.74	5.00
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Arsenic	**3.48**	**B / J**	**ug/l**	**2.00**	**5.00**
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Barium	**61.4**	**J /**	**ug/l**	**0.670**	**4.00**
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Barium	**57.1**	**J /**	**ug/l**	**0.670**	**4.00**
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.083	U / U	ug/l	0.083	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.092	U / U	ug/l	0.092	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Copper	**0.921**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Copper	**0.852**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.19
RD-22	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**81.6**	**J / J**	**ug/l**	**70.8**	**189**
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U / U	ug/l	0.051	0.19
RD-22	FSDF	03/05/2025	N	Anions	E300	NA	Fluoride	**0.509**	**/**	**mg/l**	**0.0330**	**0.100**
RD-22	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Lead	**16.9**	**/**	**ug/l**	**0.500**	**2.00**
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Lead	**0.875**	**B / J**	**ug/l**	**0.500**	**2.00**
RD-22	FSDF	03/05/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-22	FSDF	03/05/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.086	U / U	ug/l	0.086	0.19

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-22	FSDF	08/25/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6010	Total	Sodium	**52400**	**/**	**ug/l**	**100**	**300**
RD-22	FSDF	03/05/2025	N	Metals	SW6010	Dissolved	Sodium	**42900**	**/**	**ug/l**	**100**	**300**
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-22	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Total	Zinc	**157**	**/**	**ug/l**	**3.30**	**20.0**
RD-22	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Zinc	**93.9**	**/**	**ug/l**	**3.30**	**20.0**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.660**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.660**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.124**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Barium	**73.0**	**/**	**ug/l**	**0.670**	**4.00**
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**75.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**11.9**	**/**	**ug/l**	**0.333**	**1.00**
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	UB / U	ug/l	0.300	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / U	ug/l	0.300	2.00
RD-23	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**182**	**J / J**	**ug/l**	**70.6**	**188**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200

TABLE 10
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VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-23	FSDF	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	**0.744**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6010	Total	Sodium	**59800**	**/**	**ug/l**	**100**	**300**
RD-23	FSDF	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**60000**	**/**	**ug/l**	**100**	**300**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	**27.5**	**/**	**ug/l**	**0.333**	**1.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**2.15**	**/**	**ug/l**	**0.333**	**1.00**
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-23	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Total	Zinc	**130**	**/**	**ug/l**	**3.30**	**20.0**
RD-23	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	**13.3**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.476**	**/**	**ug/l**	**0.0400**	**0.200**
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.058	U / U	ug/l	0.058	0.20
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.064	U / U	ug/l	0.064	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.058	U / U	ug/l	0.058	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.052	U / U	ug/l	0.052	0.20
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.041	U / U	ug/l	0.041	0.20
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Barium	**39.1**	**/**	**ug/l**	**0.670**	**4.00**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Barium	**39.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.11	U / U	ug/l	0.11	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.071	U / U	ug/l	0.071	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.085	U / U	ug/l	0.085	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.094	U / U	ug/l	0.094	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.078	U / U	ug/l	0.078	0.20
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.20
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Cobalt	**0.506**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.497**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Copper	**1.40**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Copper	**1.26**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.046	U / U	ug/l	0.046	0.20
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.052	U / U	ug/l	0.052	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.058	U*1 / U	ug/l	0.058	0.20
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-24	B4057/59/626	02/26/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.20
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Nickel	**6.24**	**/**	**ug/l**	**0.600**	**2.00**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Nickel	**6.49**	**/**	**ug/l**	**0.600**	**2.00**
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.088	U / U	ug/l	0.088	0.20
RD-24	B4057/59/626	08/26/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.20
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6010	Total	Sodium	**78300**	**/**	**ug/l**	**100**	**300**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6010	Dissolved	Sodium	**71900**	**/**	**ug/l**	**100**	**300**
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-24	B4057/59/626	02/26/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Total	Zinc	**121**	**/**	**ug/l**	**3.30**	**20.0**
RD-24	B4057/59/626	02/26/2025	N	Metals	SW6020	Dissolved	Zinc	**118**	**/**	**ug/l**	**3.30**	**20.0**
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
RD-27	RMHF	08/21/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / U	ug/l	4.5	10
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / U	ug/l	7.4	10

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-27	RMHF	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
RD-27	RMHF	08/21/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.114**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-29	HMSA	02/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.109**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Barium	**66.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Barium	**65.1**	**/**	**ug/l**	**0.670**	**4.00**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Copper	**0.790**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Copper	**0.604**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-29	HMSA	02/25/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**110**	**JQ / J**	**ug/l**	**63.9**	**171**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Lead	**0.918**	**J / J**	**ug/l**	**0.500**	**2.00**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-29	HMSA	02/25/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-29	HMSA	02/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Nickel	**1.18**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Nickel	**1.25**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6010	Total	Sodium	**45900**	**/**	**ug/l**	**100**	**300**
RD-29	HMSA	02/25/2025	N	Metals	SW6010	Dissolved	Sodium	**45500**	**/**	**ug/l**	**100**	**300**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.02**	**/**	**ug/l**	**0.333**	**1.00**
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.03**	**/**	**ug/l**	**0.333**	**1.00**
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Vanadium	**3.42**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-29	HMSA	02/25/2025	FD	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Total	Zinc	**87.4**	**/**	**ug/l**	**3.30**	**20.0**
RD-29	HMSA	02/25/2025	N	Metals	SW6020	Dissolved	Zinc	**56.7**	**/**	**ug/l**	**3.30**	**20.0**
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-30	RMHF	02/24/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.297**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**3.08**	**/**	**ug/l**	**0.333**	**1.00**
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-30	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.380**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.580**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**2.22**	**/**	**ug/l**	**0.0400**	**0.200**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Barium	**47.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**47.2**	**/**	**ug/l**	**0.670**	**4.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**2.26**	**/**	**ug/l**	**0.333**	**1.00**
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / U	ug/l	0.300	2.00
RD-33A	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.6	U / U	ug/l	70.6	188
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Anions	E300	NA	Fluoride	**0.381**	**/**	**mg/l**	**0.0330**	**0.100**
RD-33A	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-33A	FSDF	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-33A	FSDF	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Nickel	**0.920**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	**1.01**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6010	Total	Sodium	**44600**	**/**	**ug/l**	**100**	**300**
RD-33A	FSDF	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**44000**	**/**	**ug/l**	**100**	**300**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Tin	**22.7**	**JB /**	**ug/l**	**1.00**	**5.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	**3.74**	**/**	**ug/l**	**0.333**	**1.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.520**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-33A	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Total	Zinc	**97.8**	**/**	**ug/l**	**3.30**	**20.0**
RD-33A	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	**55.0**	**/**	**ug/l**	**3.30**	**20.0**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.427**	**/**	**ug/l**	**0.0400**	**0.200**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	**2.23**	**J / J**	**ug/l**	**1.74**	**5.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Barium	**49.0**	**/**	**ug/l**	**0.670**	**4.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Barium	**49.8**	**/**	**ug/l**	**0.670**	**4.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**1.10**	**/**	**ug/l**	**0.333**	**1.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Cobalt	**2.77**	**/**	**ug/l**	**0.300**	**1.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Cobalt	**2.67**	**/**	**ug/l**	**0.300**	**1.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Copper	0.300	U / U	ug/l	0.300	2.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Copper	**0.385**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Anions	E300	NA	Fluoride	**0.626**	**/**	**mg/l**	**0.0330**	**0.100**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-34A	RMHF	02/18/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-34A	RMHF	02/18/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**1.38**	**J / J**	**ug/l**	**0.500**	**5.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Nickel	**1.47**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Nickel	**3.51**	**/**	**ug/l**	**0.600**	**2.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6010	Total	Sodium	**72400**	**/**	**ug/l**	**100**	**300**
RD-34A	RMHF	02/18/2025	N	Metals	SW6010	Dissolved	Sodium	**72300**	**/**	**ug/l**	**100**	**300**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Tin	1.00	UB / U	ug/l	1.00	5.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UB / U	ug/l	1.00	5.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	**1.10**	**/**	**ug/l**	**0.333**	**1.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.390**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Vanadium	3.30	UB / U	ug/l	3.30	20.0
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	UB / U	ug/l	3.30	20.0
RD-34A	RMHF	02/18/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Total	Zinc	**5.52**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-34A	RMHF	02/18/2025	N	Metals	SW6020	Dissolved	Zinc	**7.59**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.36	U / U	ug/l	0.36	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	0.46	U / U	ug/l	0.46	10
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.30	U / U	ug/l	0.30	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.34	U / U	ug/l	0.34	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.25	U / U	ug/l	0.25	0.50
RD-34B	RMHF	08/22/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.12	U / U	ug/l	0.12	0.50
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	4.5	U / UJ	ug/l	4.5	10
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	7.4	U / UJ	ug/l	7.4	10
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Antimony	0.516	U / U	ug/l	0.516	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Antimony	0.516	U / U	ug/l	0.516	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Arsenic	0.193	U / U	ug/l	0.193	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Arsenic	0.193	U / U	ug/l	0.193	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Barium	**15.2**	**/**	**ug/l**	**0.653**	**1.00**
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Barium	**11.7**	**/**	**ug/l**	**0.653**	**1.00**
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.24	U / U	ug/l	0.24	0.50
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Beryllium	0.291	U / U	ug/l	0.291	0.500
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Beryllium	0.291	U / U	ug/l	0.291	0.500
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Cadmium	0.0850	U / U	ug/l	0.0850	1.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.37	U / U	ug/l	0.37	0.50
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.32	U / U	ug/l	0.32	1.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Chromium	0.369	U / U	ug/l	0.369	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Chromium	0.369	U / U	ug/l	0.369	2.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.39	U / U	ug/l	0.39	1.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Cobalt	**0.771**	**J / J**	**ug/l**	**0.0480**	**1.00**
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Cobalt	0.0480	U / U	ug/l	0.0480	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Copper	**0.615**	**J / J**	**ug/l**	**0.232**	**2.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Copper	0.232	U / U	ug/l	0.232	2.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.30	U / U	ug/l	0.30	1.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Lead	**0.180**	**J / J**	**ug/l**	**0.0590**	**1.00**
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Lead	0.0590	U / U	ug/l	0.0590	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW7470	Total	Mercury	0.124	U / U	ug/l	0.124	0.200
RD-34B	RMHF	08/22/2025	N	Metals	SW7470	Dissolved	Mercury	0.124	U / U	ug/l	0.124	0.200
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	3.0	U / U	ug/l	3.0	10
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Molybdenum	0.762	U / U	ug/l	0.762	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Molybdenum	0.762	J / U	ug/l	0.762	2.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.49	U / U	ug/l	0.49	2.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Nickel	0.784	U / U	ug/l	0.784	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Nickel	0.784	U / U	ug/l	0.784	2.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.27	U / U	ug/l	0.27	1.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Selenium	0.678	U / U	ug/l	0.678	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Selenium	0.678	U / U	ug/l	0.678	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Silver	0.553	U / U	ug/l	0.553	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Silver	0.553	U / U	ug/l	0.553	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Sodium	**39200**	**/**	**ug/l**	**55.5**	**100**
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Sodium	**39500**	**/**	**ug/l**	**55.5**	**100**
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.40	U / U	ug/l	0.40	1.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Thallium	0.200	U / U	ug/l	0.200	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Thallium	0.200	U / U	ug/l	0.200	1.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Tin	0.441	U / U	ug/l	0.441	10.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Tin	0.441	U / U	ug/l	0.441	10.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.30	U / U	ug/l	0.30	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.42	U / U	ug/l	0.42	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.39	U / U	ug/l	0.39	1.0
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.75	U / U	ug/l	0.75	10
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Vanadium	0.493	U / U	ug/l	0.493	2.00
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Vanadium	0.493	U / U	ug/l	0.493	2.00
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.43	U / U	ug/l	0.43	0.50
RD-34B	RMHF	08/22/2025	N	Volatile Organic Compounds	SW8260	NA	Xylenes, total	0.49	U / U	ug/l	0.49	2.0
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Total	Zinc	**50.8**	**/**	**ug/l**	**2.28**	**20.0**
RD-34B	RMHF	08/22/2025	N	Metals	SW6020	Dissolved	Zinc	**3.03**	**J / J**	**ug/l**	**2.28**	**20.0**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.304**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Barium	**54.1**	**J /**	**ug/l**	**0.670**	**4.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Barium	**50.2**	**J /**	**ug/l**	**0.670**	**4.00**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**1.05**	**/**	**ug/l**	**0.333**	**1.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Cobalt	**0.471**	**B / J**	**ug/l**	**0.300**	**1.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Copper	**2.72**	**/**	**ug/l**	**0.300**	**2.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Copper	**1.15**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-54A	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	71.5	U / U	ug/l	71.5	191
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Lead	**1.19**	**B / J**	**ug/l**	**0.500**	**2.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-54A	FSDF	03/06/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-54A	FSDF	03/06/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Nickel	**1.18**	**B / J**	**ug/l**	**0.600**	**2.00**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Nickel	**0.954**	**B / J**	**ug/l**	**0.600**	**2.00**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	08/12/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.020	U / U	ug/l	0.020	1.0
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6010	Total	Sodium	**35900**	**/**	**ug/l**	**100**	**300**
RD-54A	FSDF	03/06/2025	N	Metals	SW6010	Dissolved	Sodium	**35800**	**/**	**ug/l**	**100**	**300**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.710**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-54A	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Total	Zinc	**89.6**	**/**	**ug/l**	**3.30**	**20.0**
RD-54A	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Zinc	**63.1**	**/**	**ug/l**	**3.30**	**20.0**
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0708**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Barium	**9.01**	**J /**	**ug/l**	**0.670**	**4.00**
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Barium	**8.50**	**J /**	**ug/l**	**0.670**	**4.00**
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Copper	0.300	U / U	ug/l	0.300	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Copper	**0.393**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-54B	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.4	U / U	ug/l	70.4	188
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-54B	FSDF	03/06/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / U	ug/l	0.600	2.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6010	Total	Sodium	**56400**	**/**	**ug/l**	**100**	**300**
RD-54B	FSDF	03/06/2025	N	Metals	SW6010	Dissolved	Sodium	**56900**	**/**	**ug/l**	**100**	**300**
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-54B	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Total	Zinc	**212**	**/**	**ug/l**	**3.30**	**20.0**
RD-54B	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Zinc	**23.6**	**/**	**ug/l**	**3.30**	**20.0**
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Barium	**89.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**86.4**	**/**	**ug/l**	**0.670**	**4.00**
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Cobalt	**0.761**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.439**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / UJ	ug/l	0.300	2.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Anions	E300	NA	Fluoride	**0.753**	**/**	**mg/l**	**0.0330**	**0.100**
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59A	Off-site	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Nickel	**2.15**	**/ J**	**ug/l**	**0.600**	**2.00**
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	**1.82**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Perchlorate	SW6850	NA	Perchlorate	0.0500	U / U	ug/l	0.0500	0.200
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6010	Total	Sodium	**93300**	**/**	**ug/l**	**100**	**300**
RD-59A	Off-site	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**93700**	**/**	**ug/l**	**100**	**300**
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59A	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-59A	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-59B	Off-site	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.0532**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Barium	**41.9**	**/**	**ug/l**	**0.670**	**4.00**
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**41.5**	**/**	**ug/l**	**0.670**	**4.00**
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	JB / UJ	ug/l	0.300	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Anions	E300	NA	Fluoride	**0.745**	**/**	**mg/l**	**0.0330**	**0.100**
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59B	Off-site	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Nickel	0.600	U / UJ	ug/l	0.600	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / UJ	ug/l	0.600	2.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6010	Total	Sodium	**92100**	**/**	**ug/l**	**100**	**300**
RD-59B	Off-site	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**92900**	**/**	**ug/l**	**100**	**300**
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Tin	**14.5**	**JB /**	**ug/l**	**1.00**	**5.00**
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59B	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Total	Zinc	**7.59**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-59B	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	**4.67**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Barium	**49.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Barium	**50.0**	**/**	**ug/l**	**0.670**	**4.00**
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Barium	**49.4**	**/**	**ug/l**	**0.670**	**4.00**
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**51.1**	**/**	**ug/l**	**0.670**	**4.00**
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / UJ	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	JB / UJ	ug/l	0.300	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	UB / UJ	ug/l	0.300	2.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Anions	E300	NA	Fluoride	**0.680**	**/**	**mg/l**	**0.0330**	**0.100**
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59C	Off-site	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59C	Off-site	03/07/2025	FD	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59C	Off-site	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Nickel	0.600	U / UJ	ug/l	0.600	2.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Nickel	0.600	U / UJ	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Nickel	0.600	U / UJ	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	0.600	U / UJ	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6010	Total	Sodium	**126000**	**/**	**ug/l**	**100**	**300**
RD-59C	Off-site	03/07/2025	N	Metals	SW6010	Total	Sodium	**127000**	**/**	**ug/l**	**100**	**300**
RD-59C	Off-site	03/07/2025	FD	Metals	SW6010	Dissolved	Sodium	**128000**	**/**	**ug/l**	**100**	**300**
RD-59C	Off-site	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**122000**	**/**	**ug/l**	**100**	**300**
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / UJ	ug/l	3.30	20.0
RD-59C	Off-site	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Total	Zinc	**8.13**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Total	Zinc	**11.8**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-59C	Off-site	03/07/2025	FD	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-59C	Off-site	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	**3.62**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.360**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.380**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.410**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.400**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.901**	**/**	**ug/l**	**0.0400**	**0.200**
RD-63	RMHF	02/17/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.858**	**/**	**ug/l**	**0.0400**	**0.200**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**2.63**	**/**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**2.74**	**/**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Anions	E300	NA	Fluoride	**0.547**	**/**	**mg/l**	**0.0330**	**0.100**
RD-63	RMHF	02/17/2025	N	Anions	E300	NA	Fluoride	**0.525**	**/**	**mg/l**	**0.0330**	**0.100**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Methylene chloride	**1.38**	**J / J**	**ug/l**	**0.500**	**5.00**
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**4.50**	**/**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**4.57**	**/**	**ug/l**	**0.333**	**1.00**
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	FD	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-63	RMHF	02/17/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.420**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**1.01**	**H / J**	**ug/l**	**0.333**	**1.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**3.30**	**/**	**ug/l**	**0.0400**	**0.200**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Arsenic	**2.26**	**B / J**	**ug/l**	**2.00**	**5.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.06**	**B / J**	**ug/l**	**2.00**	**5.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Barium	**55.6**	**J /**	**ug/l**	**0.670**	**4.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Barium	**54.9**	**J /**	**ug/l**	**0.670**	**4.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**20.9**	**/**	**ug/l**	**0.333**	**1.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Cobalt	**0.488**	**B / J**	**ug/l**	**0.300**	**1.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Cobalt	**0.411**	**B / J**	**ug/l**	**0.300**	**1.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Copper	**1.45**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Copper	**1.62**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-64	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.5	U / U	ug/l	70.5	188
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**36.1**	**J / J**	**ug/l**	**16.7**	**100**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-64	FSDF	03/05/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-64	FSDF	03/05/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Nickel	**61.3**	**/**	**ug/l**	**0.600**	**2.00**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Nickel	**31.0**	**/**	**ug/l**	**0.600**	**2.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6010	Total	Sodium	**31700**	**/**	**ug/l**	**100**	**300**
RD-64	FSDF	03/05/2025	N	Metals	SW6010	Dissolved	Sodium	**29600**	**/**	**ug/l**	**100**	**300**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	**1.41**	**/**	**ug/l**	**0.333**	**1.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**62.6**	**/**	**ug/l**	**0.333**	**1.00**
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Vanadium	**3.34**	**B / J**	**ug/l**	**3.30**	**20.0**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-64	FSDF	03/05/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Total	Zinc	**470**	**/**	**ug/l**	**3.30**	**20.0**
RD-64	FSDF	03/05/2025	N	Metals	SW6020	Dissolved	Zinc	**462**	**/**	**ug/l**	**3.30**	**20.0**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.960**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.247**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Barium	**28.9**	**J /**	**ug/l**	**0.670**	**4.00**
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Barium	**30.2**	**J /**	**ug/l**	**0.670**	**4.00**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**1.32**	**/**	**ug/l**	**0.333**	**1.00**
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Copper	**0.824**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Copper	**1.94**	**B / J**	**ug/l**	**0.300**	**2.00**
RD-65	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.8	U / U	ug/l	70.8	189
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-65	FSDF	03/06/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-65	FSDF	03/06/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Nickel	**0.780**	**B / J**	**ug/l**	**0.600**	**2.00**
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Nickel	**0.968**	**B / J**	**ug/l**	**0.600**	**2.00**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6010	Total	Sodium	**36300**	**/**	**ug/l**	**100**	**300**
RD-65	FSDF	03/06/2025	N	Metals	SW6010	Dissolved	Sodium	**36700**	**/**	**ug/l**	**100**	**300**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	**1.69**	**/**	**ug/l**	**0.333**	**1.00**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**1.55**	**/**	**ug/l**	**0.333**	**1.00**
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-65	FSDF	03/06/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Total	Zinc	**22.2**	**/**	**ug/l**	**3.30**	**20.0**
RD-65	FSDF	03/06/2025	N	Metals	SW6020	Dissolved	Zinc	**12.1**	**B / J**	**ug/l**	**3.30**	**20.0**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.056	U / U	ug/l	0.056	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.062	U / U	ug/l	0.062	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.051	U / U	ug/l	0.051	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.040	U / U	ug/l	0.040	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-74	Bldg 56 Landfill	08/15/2025	FD	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-74	Bldg 56 Landfill	08/15/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Barium	**108**	**/**	**ug/l**	**0.670**	**4.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Barium	**80.2**	**/**	**ug/l**	**0.670**	**4.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.069	U / U	ug/l	0.069	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.082	U / U	ug/l	0.082	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.091	U / U	ug/l	0.091	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.076	U / U	ug/l	0.076	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Chromium	**6.71**	**J / J**	**ug/l**	**3.00**	**10.0**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Cobalt	**1.09**	**/**	**ug/l**	**0.300**	**1.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Copper	**3.51**	**/**	**ug/l**	**0.300**	**2.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Copper	**0.901**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.044	U / U	ug/l	0.044	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**165**	**JQ / J**	**ug/l**	**63.1**	**168**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.19
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.051	U*+ / U	ug/l	0.051	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Lead	**1.46**	**J / J**	**ug/l**	**0.500**	**2.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Nickel	**5.24**	**/**	**ug/l**	**0.600**	**2.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Nickel	**2.36**	**/**	**ug/l**	**0.600**	**2.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.085	U / U	ug/l	0.085	0.19

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-74	Bldg 56 Landfill	08/15/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.19
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Selenium	**3.12**	**J / J**	**ug/l**	**1.50**	**5.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Selenium	**2.55**	**J / J**	**ug/l**	**1.50**	**5.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6010	Total	Sodium	**70000**	**/**	**ug/l**	**100**	**300**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6010	Dissolved	Sodium	**70100**	**/**	**ug/l**	**100**	**300**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.620**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Vanadium	**9.46**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RD-74	Bldg 56 Landfill	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Total	Zinc	**100**	**/**	**ug/l**	**3.30**	**20.0**
RD-74	Bldg 56 Landfill	02/24/2025	N	Metals	SW6020	Dissolved	Zinc	**57.1**	**/**	**ug/l**	**3.30**	**20.0**
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**1.12**	**/**	**ug/l**	**0.333**	**1.00**
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**10.4**	**/**	**ug/l**	**0.333**	**1.00**
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**11.4**	**/**	**ug/l**	**0.0400**	**0.200**
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-88	Tritium Plume	03/10/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.800**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.830**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**6.18**	**/**	**ug/l**	**0.333**	**1.00**
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**5.77**	**/**	**ug/l**	**0.333**	**1.00**
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-90	Tritium Plume	03/11/2025	FD	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**9.00**	**/**	**ug/l**	**0.0400**	**0.200**
RD-90	Tritium Plume	03/11/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**9.05**	**/**	**ug/l**	**0.0400**	**0.200**
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**139**	**J / J**	**ug/l**	**70.6**	**188**
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	FD	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-90	Tritium Plume	03/11/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	(4-chloro-2-methylphenoxy)acetic acid	340	U / U	ug/l	340	490
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(Chlorophenyl)-2,2,2-trichloroethane	0.0078	U / U	ug/l	0.0078	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethane	0.0044	U / U	ug/l	0.0044	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	1,1-bis(chlorophenyl)-2,2-dichloroethene	0.0057	U / U	ug/l	0.0057	0.020
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**0.520**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**0.830**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.74	U / U	ug/l	0.74	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.57	U / U	ug/l	0.57	9.7
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.73	U / U	ug/l	0.73	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.68	U / U	ug/l	0.68	9.7
RD-93	Tritium Plume	03/12/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**4.27**	**/**	**ug/l**	**0.0400**	**0.200**
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	1-methylnaphthalene	0.057	U / U	ug/l	0.057	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	2,4,5-trichlorophenoxyacetic acid	0.21	U / U	ug/l	0.21	0.49
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	9.7

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	2,4-dichlorophenoxyacetic acid	1.9	U / U	ug/l	1.9	4.9
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	48
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.67	U / U	ug/l	0.67	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.92	U / U	ug/l	0.92	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	48
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	2-methylnaphthalene	0.063	U / U	ug/l	0.063	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.77	U / U	ug/l	0.77	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.2	U / U	ug/l	2.2	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.0	U / U	ug/l	2.0	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.3	U / U	ug/l	1.3	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.89	U / U	ug/l	0.89	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.6	U / U	ug/l	2.6	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.5	U / U	ug/l	3.5	9.7
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthene	0.057	U / U	ug/l	0.057	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Acenaphthylene	0.052	U / U	ug/l	0.052	0.20
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Aldrin	0.0054	U / U	ug/l	0.0054	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	alpha-BHC	0.0019	U / U	ug/l	0.0019	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Alpha-chlordane	0.0043	U / U	ug/l	0.0043	0.020
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.76	U / U	ug/l	0.76	9.7
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Anthracene	0.041	U / U	ug/l	0.041	0.20
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-93	Tritium Plume	08/21/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.71	U / U	ug/l	0.71	9.7
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U / U	ug/l	11	48
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)anthracene	0.10	U / U	ug/l	0.10	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(a)pyrene	0.070	U / U	ug/l	0.070	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(b)fluoranthene	0.084	U / U	ug/l	0.084	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(g,h,i)perylene	0.093	U / U	ug/l	0.093	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Benzo(k)fluoranthene	0.077	U / U	ug/l	0.077	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	48
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.4	U / U	ug/l	2.4	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.0	U / U	ug/l	4.0	9.7
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	beta-BHC	0.013	U / U	ug/l	0.013	0.020
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	0.98	U / U	ug/l	0.98	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.4	U / U	ug/l	7.4	24
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.7	U / U	ug/l	4.7	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Butanoic acid, 4-(2,4-dichlorophenoxy)-	3.4	U*1 / U	ug/l	3.4	4.9
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Chrysene	0.11	U / U	ug/l	0.11	0.20

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Dalapon	4.6	U / U	ug/l	4.6	12
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	delta-BHC	0.0015	U / U	ug/l	0.0015	0.020
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Dibenz(a,h)anthracene	0.045	U / U	ug/l	0.045	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Dicamba	0.28	U / U	ug/l	0.28	0.49
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Dichlorprop	1.9	U / U	ug/l	1.9	4.9
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Dieldrin	0.0032	U / U	ug/l	0.0032	0.020
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.90	U / U	ug/l	0.90	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.4	U / U	ug/l	4.4	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Dinoseb	2.1	U / U	ug/l	2.1	2.5
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan I	0.0069	U / U	ug/l	0.0069	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan II	0.0037	U / U	ug/l	0.0037	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endosulfan sulfate	0.0063	U / U	ug/l	0.0063	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin	0.0035	U / U	ug/l	0.0035	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin aldehyde	0.0072	U / U	ug/l	0.0072	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Endrin ketone	0.011	U / U	ug/l	0.011	0.020
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluoranthene	0.11	U / U	ug/l	0.11	0.20
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Fluorene	0.052	U / U	ug/l	0.052	0.20
RD-93	Tritium Plume	08/21/2025	N	Carbonyl Compounds	SW8315	NA	Formaldehyde	7.8	U / U	ug/l	7.8	10
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	gamma-BHC (Lindane)	0.0020	U / U	ug/l	0.0020	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Gamma-chlordane	0.0028	U / U	ug/l	0.0028	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor	0.0034	U / U	ug/l	0.0034	0.020
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Heptachlor epoxide	0.0029	U / U	ug/l	0.0029	0.020
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.86	U / U	ug/l	0.86	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	2.9	U / U	ug/l	2.9	24
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.85	U / U	ug/l	0.85	9.7
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Indeno(1,2,3-cd)pyrene	0.057	U / U	ug/l	0.057	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.74	U / U	ug/l	0.74	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	MCPP	300	U / U	ug/l	300	490
RD-93	Tritium Plume	08/21/2025	N	Organochlorine Pesticides	SW8081	NA	Methoxychlor	0.0091	U / U	ug/l	0.0091	0.020
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Naphthalene	0.14	U / U	ug/l	0.14	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.2	U / U	ug/l	7.2	24
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.72	U / U	ug/l	0.72	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	9.7
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	9.7
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.6	U / U	ug/l	4.6	9.7
RD-93	Tritium Plume	03/12/2025	N	Perchlorate	SW6850	NA	Perchlorate	**1.07**	**/**	**ug/l**	**0.0500**	**0.200**
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Phenanthrene	0.087	U / U	ug/l	0.087	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.41	U / U	ug/l	0.41	9.7
RD-93	Tritium Plume	08/21/2025	N	Polyaromatic Hydrocarbons	SW8270 SIM	NA	Pyrene	0.13	U / U	ug/l	0.13	0.20
RD-93	Tritium Plume	08/21/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.4	U / U	ug/l	1.4	9.7
RD-93	Tritium Plume	08/21/2025	N	Herbicides	SW8151	NA	Silvex (2,4,5-tp)	0.13	U / U	ug/l	0.13	0.49
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	**0.540**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.410**	**J / J**	**ug/l**	**0.333**	**1.00**

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-93	Tritium Plume	03/12/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-94	Tritium Plume	03/10/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**256**	**/**	**ug/l**	**75.0**	**200**
RD-94	Tritium Plume	03/10/2025	N	Anions	E300	NA	Fluoride	**0.704**	**/**	**mg/l**	**0.0330**	**0.100**
RD-94	Tritium Plume	03/10/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**7.23**	**h / J-**	**ug/l**	**0.0400**	**0.200**
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	72.0	UQ / U	ug/l	72.0	192
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	08/26/2025	N	Carbonyl Compounds	SW8315	NA	Formaldehyde	7.8	U / U	ug/l	7.8	10
RD-95	Tritium Plume	02/21/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-95	Tritium Plume	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Arsenic	**2.29**	**J / J**	**ug/l**	**2.00**	**5.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Arsenic	**2.44**	**J / J**	**ug/l**	**2.00**	**5.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Barium	**48.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Barium	**44.2**	**/**	**ug/l**	**0.670**	**4.00**
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Copper	**0.662**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Copper	**0.395**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-96	B4057/59/626	02/20/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	**278**	**Q / J**	**ug/l**	**73.2**	**195**
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	16.7	U / U	ug/l	16.7	100
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW7470	Total	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-96	B4057/59/626	02/20/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Nickel	**2.58**	**/**	**ug/l**	**0.600**	**2.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Nickel	**1.41**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Selenium	**1.79**	**J / J**	**ug/l**	**1.50**	**5.00**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Vanadium	**4.21**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.30**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-96	B4057/59/626	02/20/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-96	B4057/59/626	02/20/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / UJ	ug/l	1.67	5.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / UJ	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	0.0400	U / U	ug/l	0.0400	0.200
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Arsenic	**2.41**	**J / J**	**ug/l**	**2.00**	**5.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Barium	**35.3**	**/**	**ug/l**	**0.670**	**4.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Barium	**33.6**	**/**	**ug/l**	**0.670**	**4.00**
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Cobalt	**0.671**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Copper	**2.11**	**/**	**ug/l**	**0.300**	**2.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Copper	**0.703**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW7470	Total	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-97	B4057/59/626	02/21/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	UJ / U	ug/l	0.0670	0.200
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Nickel	**1.78**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Nickel	**1.34**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Silver	**0.332**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Vanadium	**4.56**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Vanadium	**4.14**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-97	B4057/59/626	02/21/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-97	B4057/59/626	02/21/2025	N	Metals	SW6020	Dissolved	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	(4-chloro-2-methylphenoxy)acetic acid	350	U / U	ug/l	350	500
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2,4-trichlorobenzene	0.76	U / U	ug/l	0.76	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,2-Dichlorobenzene	0.59	U / U	ug/l	0.59	9.9
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,3-dichlorobenzene	0.75	U / U	ug/l	0.75	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	1,4-dichlorobenzene	0.69	U / U	ug/l	0.69	9.9
RD-98	RMHF	02/25/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.138**	**J / J**	**ug/l**	**0.0400**	**0.200**
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,5-trichlorophenol	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	2,4,5-trichlorophenoxyacetic acid	0.21	U / U	ug/l	0.21	0.50
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4,6-trichlorophenol	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dichlorophenol	1.3	U / U	ug/l	1.3	9.9
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	2,4-dichlorophenoxyacetic acid	2.0	U / U	ug/l	2.0	5.0
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrophenol	13	U / U	ug/l	13	49
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,4-dinitrotoluene	1.1	U / U	ug/l	1.1	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dichlorophenol	1.5	U / U	ug/l	1.5	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2,6-dinitrotoluene	1.1	U / U	ug/l	1.1	9.9

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chloronaphthalene	0.69	U / U	ug/l	0.69	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-chlorophenol	0.94	U / U	ug/l	0.94	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methyl-4,6-dinitrophenol	11	U / U	ug/l	11	49
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-methylphenol	0.79	U / U	ug/l	0.79	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitroaniline	1.3	U / U	ug/l	1.3	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	2-nitrophenol	2.3	U / U	ug/l	2.3	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	3,3'-dichlorobenzidine	2.1	U / U	ug/l	2.1	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	3-nitroaniline	1.8	U / U	ug/l	1.8	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-bromophenyl phenyl ether	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloro-3-methylphenol	1.4	U / U	ug/l	1.4	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chloroaniline	0.91	U / U	ug/l	0.91	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-chlorophenyl phenylether	1.0	U / U	ug/l	1.0	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitroaniline	2.6	U / U	ug/l	2.6	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	4-nitrophenol	3.6	U / U	ug/l	3.6	9.9
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Aniline	0.78	U / U	ug/l	0.78	9.9
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1016	0.18	U / U	ug/l	0.18	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1221	0.18	U / U	ug/l	0.18	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1232	0.18	U / U	ug/l	0.18	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1242	0.18	U / U	ug/l	0.18	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1248	0.18	U / U	ug/l	0.18	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1254	0.16	U / U	ug/l	0.16	0.40
RD-98	RMHF	08/19/2025	N	Polychlorinated biphenyls (PCBs)	SW8082	NA	Aroclor-1260	0.16	U / U	ug/l	0.16	0.40
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Arsenic	**2.29**	**J / J**	**ug/l**	**2.00**	**5.00**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Azobenzene	0.73	U / U	ug/l	0.73	9.9
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Barium	**49.3**	**/**	**ug/l**	**0.670**	**4.00**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Barium	**36.7**	**/**	**ug/l**	**0.670**	**4.00**
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzidine	11	U*-*1 / UJ	ug/l	11	49
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzoic acid	14	U / U	ug/l	14	49
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl alcohol	2.5	U / U	ug/l	2.5	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Benzyl butyl phthalate	4.1	U / U	ug/l	4.1	9.9
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloro-1-methylethyl) ether	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethoxy)methane	1.0	U / U	ug/l	1.0	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-chloroethyl) ether (2-chloroethyl ether)	7.6	U / U	ug/l	7.6	25
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Bis(2-ethylhexyl)phthalate	4.8	U / U	ug/l	4.8	9.9
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Butanoic acid, 4-(2,4-dichlorophenoxy)-	3.5	U*1 / U	ug/l	3.5	5.0
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Cobalt	**0.519**	**J / J**	**ug/l**	**0.300**	**1.00**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Copper	**0.841**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Copper	**1.50**	**J / J**	**ug/l**	**0.300**	**2.00**
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Dalapon	4.7	U / U	ug/l	4.7	12
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dibenzofuran	1.0	U / U	ug/l	1.0	9.9

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Dicamba	0.28	U / U	ug/l	0.28	0.50
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Dichlorprop	2.0	U / U	ug/l	2.0	5.0
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Diethyl phthalate	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethyl phthalate	0.92	U / U	ug/l	0.92	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Dimethylphenol, 2,4-	1.1	U / U	ug/l	1.1	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-butyl phthalate	1.4	U / U	ug/l	1.4	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Di-n-octyl phthalate	4.5	U / U	ug/l	4.5	9.9
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Dinoseb	2.2	U / U	ug/l	2.2	2.5
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloro-1,3-butadiene	1.1	U / U	ug/l	1.1	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorobenzene	0.88	U / U	ug/l	0.88	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachlorocyclopentadiene	3.0	U / U	ug/l	3.0	25
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Hexachloroethane	0.87	U / U	ug/l	0.87	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Isophorone	1.4	U / U	ug/l	1.4	9.9
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	M/p-cresol	0.75	U / U	ug/l	0.75	9.9
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	MCPP	300	U / U	ug/l	300	500
RD-98	RMHF	02/25/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-98	RMHF	02/25/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Nickel	**0.843**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Nickel	**0.742**	**J / J**	**ug/l**	**0.600**	**2.00**
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Nitrobenzene	7.4	U / U	ug/l	7.4	25
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodimethylamine	0.73	U / U	ug/l	0.73	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodi-n-propylamine	1.0	U / U	ug/l	1.0	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	N-nitrosodiphenylamine	1.2	U / U	ug/l	1.2	9.9
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pentachlorophenol	4.7	U / U	ug/l	4.7	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Phenol	0.42	U / U	ug/l	0.42	9.9
RD-98	RMHF	08/19/2025	N	Semivolatile Organic Compounds	SW8270	NA	Pyridine	1.5	U / U	ug/l	1.5	9.9
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Selenium	1.50	U / U	ug/l	1.50	5.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RD-98	RMHF	08/19/2025	N	Herbicides	SW8151	NA	Silvex (2,4,5-tp)	0.14	U / U	ug/l	0.14	0.50
RD-98	RMHF	02/25/2025	N	Metals	SW6010	Total	Sodium	**50200**	**/**	**ug/l**	**100**	**300**
RD-98	RMHF	02/25/2025	N	Metals	SW6010	Dissolved	Sodium	**47900**	**/**	**ug/l**	**100**	**300**
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**0.650**	**J / J**	**ug/l**	**0.333**	**1.00**
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Vanadium	**9.41**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Vanadium	**3.38**	**J / J**	**ug/l**	**3.30**	**20.0**
RD-98	RMHF	02/25/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RD-98	RMHF	02/25/2025	N	Metals	SW6020	Dissolved	Zinc	**3.46**	**J / J**	**ug/l**	**3.30**	**20.0**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	**0.410**	**J / J**	**ug/l**	**0.333**	**1.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	**1.50**	**/**	**ug/l**	**0.333**	**1.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	**1.07**	**/**	**ug/l**	**0.333**	**1.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**8.60**	**/**	**ug/l**	**0.0400**	**0.200**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	UJ / U	ug/l	1.74	5.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Barium	**91.5**	**/**	**ug/l**	**0.670**	**4.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Barium	**93.7**	**/**	**ug/l**	**0.670**	**4.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / UJ	ug/l	0.200	0.500
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / UJ	ug/l	3.00	10.0
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**0.390**	**J / J**	**ug/l**	**0.333**	**1.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Cobalt	**4.95**	**/**	**ug/l**	**0.300**	**1.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Cobalt	**4.84**	**/ J**	**ug/l**	**0.300**	**1.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Copper	0.300	JB / U	ug/l	0.300	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Copper	0.300	JB / UJ	ug/l	0.300	2.00
RS-18	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Diesel Range Organics	70.8	UQ / UJ	ug/l	70.8	189
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	DRO and/or GRO	SW8015	NA	Gasoline Range Organics	**20.2**	**J / J**	**ug/l**	**16.7**	**100**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Lead	0.500	UB / U	ug/l	0.500	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Lead	0.500	UB / U	ug/l	0.500	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RS-18	FSDF	03/07/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	J / U	ug/l	0.500	5.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Nickel	**50.2**	**/**	**ug/l**	**0.600**	**2.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Nickel	**48.8**	**/ J**	**ug/l**	**0.600**	**2.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Perchlorate	SW6850	NA	Perchlorate	**3.65**	**/**	**ug/l**	**0.0500**	**0.200**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Selenium	**1.71**	**J / J**	**ug/l**	**1.50**	**5.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Selenium	**1.55**	**J / J**	**ug/l**	**1.50**	**5.00**
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6010	Total	Sodium	**78700**	**/**	**ug/l**	**100**	**300**
RS-18	FSDF	03/07/2025	N	Metals	SW6010	Dissolved	Sodium	**79600**	**/**	**ug/l**	**100**	**300**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Tin	1.00	UJ / U	ug/l	1.00	5.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Tin	1.00	UJ / U	ug/l	1.00	5.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**36.4**	**/**	**ug/l**	**0.333**	**1.00**
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Vanadium	3.30	J / U	ug/l	3.30	20.0
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	J / UJ	ug/l	3.30	20.0

TABLE 10
VALIDATED ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RS-18	FSDF	03/07/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RS-18	FSDF	03/07/2025	N	Metals	SW6020	Dissolved	Zinc	**3.76**	**J / J**	**ug/l**	**3.30**	**20.0**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,1-Trichloroethane	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloro-1,2,2-trifluoroethane	1.67	U / U	ug/l	1.67	5.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1,2-trichloroethane	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,1-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	1,2-Dichloroethane	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Semivolatile Organic Compounds	SW8270 SIM	NA	1,4-Dioxane	**0.499**	**/**	**ug/l**	**0.0400**	**0.200**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	2-butanone	1.67	U / U	ug/l	1.67	5.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Acetone	1.74	U / U	ug/l	1.74	5.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Antimony	1.00	U / U	ug/l	1.00	3.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Antimony	1.00	U / U	ug/l	1.00	3.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Arsenic	2.00	U / U	ug/l	2.00	5.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Arsenic	2.00	U / U	ug/l	2.00	5.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Barium	**36.5**	**/**	**ug/l**	**0.670**	**4.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Barium	**36.6**	**/**	**ug/l**	**0.670**	**4.00**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Benzene	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Beryllium	0.200	U / U	ug/l	0.200	0.500
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Beryllium	0.200	U / U	ug/l	0.200	0.500
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Cadmium	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Cadmium	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Carbon tetrachloride	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Chloroform	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Chromium	3.00	U / U	ug/l	3.00	10.0
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Chromium	3.00	U / U	ug/l	3.00	10.0
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	cis-1,2-Dichloroethene	**0.520**	**J / J**	**ug/l**	**0.333**	**1.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Cobalt	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Cobalt	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Copper	**0.320**	**J / J**	**ug/l**	**0.300**	**2.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Copper	**0.650**	**J / J**	**ug/l**	**0.300**	**2.00**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Ethylbenzene	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Lead	0.500	U / U	ug/l	0.500	2.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Lead	0.500	U / U	ug/l	0.500	2.00
RS-28	RMHF	02/24/2025	N	Metals	SW7470	Total	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RS-28	RMHF	02/24/2025	N	Metals	SW7470	Dissolved	Mercury	0.0670	U / U	ug/l	0.0670	0.200
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Methylene chloride	0.500	U / U	ug/l	0.500	5.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	m-xylene & p-xylene	0.500	U / U	ug/l	0.500	2.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Nickel	**0.689**	**J / J**	**ug/l**	**0.600**	**2.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Nickel	**0.676**	**J / J**	**ug/l**	**0.600**	**2.00**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	o-Xylene (1,2-dimethyl-benzene)	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Selenium	**2.12**	**J / J**	**ug/l**	**1.50**	**5.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Selenium	**2.12**	**J / J**	**ug/l**	**1.50**	**5.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Silver	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Silver	0.300	U / U	ug/l	0.300	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6010	Total	Sodium	**51100**	**/**	**ug/l**	**100**	**300**
RS-28	RMHF	02/24/2025	N	Metals	SW6010	Dissolved	Sodium	**53200**	**/**	**ug/l**	**100**	**300**
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Tetrachloroethene	**0.640**	**J / J**	**ug/l**	**0.333**	**1.00**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Thallium	0.600	U / U	ug/l	0.600	2.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Thallium	0.600	U / U	ug/l	0.600	2.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Tin	1.00	U / U	ug/l	1.00	5.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Tin	1.00	U / U	ug/l	1.00	5.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Toluene	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	trans-1,2-Dichloroethene	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichloroethene	**6.42**	**/**	**ug/l**	**0.333**	**1.00**

TABLE 10
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	MDL	RL
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Trichlorofluoromethane	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Vanadium	**3.31**	**J / J**	**ug/l**	**3.30**	**20.0**
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Vanadium	3.30	U / U	ug/l	3.30	20.0
RS-28	RMHF	02/24/2025	N	Volatile Organic Compounds	SW8260	NA	Vinyl chloride	0.333	U / U	ug/l	0.333	1.00
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Total	Zinc	3.30	U / U	ug/l	3.30	20.0
RS-28	RMHF	02/24/2025	N	Metals	SW6020	Dissolved	Zinc	**5.45**	**J / J**	**ug/l**	**3.30**	**20.0**
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzofuran	0.088	U / U	pg/l	0.088	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	0.13	U / U	pg/l	0.13	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8,9-heptachlorodibenzofuran	0.12	U / U	pg/l	0.12	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzofuran	0.24	U / U	pg/l	0.24	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	0.30	U / U	pg/l	0.30	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzofuran	0.23	U / U	pg/l	0.23	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	0.28	U / U	pg/l	0.28	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzofuran	0.19	U / U	pg/l	0.19	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	0.27	U / U	pg/l	0.27	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzofuran	0.79	U / U	pg/l	0.79	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	1,2,3,7,8-pentachlorodibenzo-p-dioxin	0.74	U / U	pg/l	0.74	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,6,7,8-hexachlorodibenzofuran	0.19	U / U	pg/l	0.19	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	2,3,4,7,8-pentachlorodibenzofuran	0.82	U / U	pg/l	0.82	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzofuran	0.57	U / U	pg/l	0.57	9.8
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.73	U / U	pg/l	0.73	9.8
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzofurans, (total)	0.12	U / U	pg/l	0.12	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Heptachlorinated dibenzo-p-dioxins, (total)	0.13	U / U	pg/l	0.13	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorinated dibenzofurans, (total)	0.24	U / U	pg/l	0.24	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Hexachlorodibenzo-p-dioxin, mixture	0.30	U / U	pg/l	0.30	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzofuran	0.74	U / U	pg/l	0.74	98
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Octachlorodibenzo-p-dioxin	0.41	U / U	pg/l	0.41	98
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzofurans, (total)	0.82	U / U	pg/l	0.82	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Pentachlorinated dibenzo-p-dioxins, (total)	0.74	U / U	pg/l	0.74	49
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzofurans, (total)	0.57	U / U	pg/l	0.57	9.8
RS-54	FSDF	08/27/2025	N	Dioxins and Furans	SW8290	NA	Tetrachlorinated dibenzo-p-dioxins, (total)	0.73	U / U	pg/l	0.73	9.8

NOTES AND ABBREVIATIONS
/ - separates lab qualifiers from data validation flags
All non-detection values are reported using the Method Detection Limit (MDL)
Bold values - detected results
FD - field duplicate
FSDF - Former Sodium Disposal Facility
HMSA - Hazardous Materials Storage Area
MDL - method detection limit
mg/l - milligrams per liter
N - normal
NA - not applicable
OCY - Old Conservation Yard
pg/l - picograms per liter
RL - reporting limit
RMHF - Radiological Material Handling Facility
ug/l - micrograms/liter

LAB / VALIDATION QUALIFIERS
*1 - LCS/LCSD RPD exceeds control limits.
*+ - LCS and/or LCSD is outside acceptance limits, high biased.
*- - LS and/or LCSD is outside acceptance limits, low biased.
^2 - Calibration blank is outside acceptance limits.
B - Blank Contamination
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD RPD exceeds control limits.
h - Sample preparation or preservation holding time exceeded.
H - Analytical holding time exceeded.
J - Result is an estimated quantity. Associated numerical value is approximate concentration of analyte in sample.
J+ - The result is an estimated quantity, but the result may be biased high.
J- - The result is an estimated quantity, but the result may be biased low.
q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
Q - LCS recovery not within control limits
U - Analyzed for, but not detected above reported sample quantitation limit.

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-8.95	U / U	pci/l	36.6	60.7
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	0.805	U / U	pci/l	14.6	57.9
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Antimony-125	6.34	U / U	pci/l	20.4	32.9
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	9.01	U / U	pci/l	19.0	38.7
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Barium-133	-0.257	U / U	pci/l	0.543	19.3
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-6.54	U / U	pci/l	16.1	27.3
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Cesium-134	5.12	U / U	pci/l	8.74	20.9
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	4.03	U / U	pci/l	16.0	22.2
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Cesium-137	4.52	UG / U	pci/l	13.3	22.9
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.829	U / U	pci/l	11.1	19.9
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.593	U / U	pci/l	1.16	12.2
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	3.14	U / U	pci/l	9.19	11.7
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-152	30.8	U / U	pci/l	25.7	37.8
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	15.7	U / U	pci/l	28.1	37.2
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-154	9.24	U / U	pci/l	18.9	26.4
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	4.13	U / U	pci/l	8.00	27.6
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-155	-12.3	U / U	pci/l	60.7	102
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	1.80	U / U	pci/l	21.2	87.6
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E900	Total	Gross Alpha	**18.8**	**G /**	**pci/l**	**8.85**	**11.7**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**13.3**	**G /**	**pci/l**	**7.93**	**11.4**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E900	Total	Gross Beta	**13.6**	**/**	**pci/l**	**3.20**	**3.21**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	4.99	/ UJ	pci/l	2.55	3.58
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.95	U / U	pci/l	8.53	14.3
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	1.76	U / U	pci/l	10.1	16.7
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-37.7	U / U	pci/l	135	242
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-84.2	U / U	pci/l	128	242
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E903	Total	Radium-226	**1.38**	**/**	**pci/l**	**0.400**	**0.317**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.996**	**/**	**pci/l**	**0.338**	**0.308**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E903	Total	Radium-226/228	**4.43**	**/ J**	**pci/l**	**0.772**	**0.528**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**3.95**	**/ J**	**pci/l**	**0.737**	**0.567**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E904	Total	Radium-228	**3.05**	**/ J**	**pci/l**	**0.660**	**0.528**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.95**	**/ J**	**pci/l**	**0.655**	**0.567**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Total	Sodium-22	4.90	U / U	pci/l	8.08	13.8
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-8.46	U / U	pci/l	13.2	22.1
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E905	Total	Strontium-90	0.499	U / U	pci/l	0.438	0.694
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.980	U / UJ	pci/l	0.842	1.34
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**1.44**	**/**	**pci/l**	**0.387**	**0.169**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**2.02**	**/**	**pci/l**	**0.459**	**0.153**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**0.657**	**/**	**pci/l**	**0.263**	**0.169**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.22**	**/**	**pci/l**	**0.358**	**0.135**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.0480	U / U	pci/l	0.0851	0.153
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0185	U / U	pci/l	0.0611	0.153
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**0.730**	**/**	**pci/l**	**0.271**	**0.108**
DD-141	Bldg 56 Landfill	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**0.777**	**/**	**pci/l**	**0.280**	**0.108**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-3.34	U / U	pci/l	31.4	54.4
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	16.1	U / U	pci/l	30.1	48.5
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Antimony-125	2.49	U / U	pci/l	11.3	40.8
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-1.63	U / U	pci/l	3.47	44.7
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Barium-133	1.49	U / U	pci/l	16.8	28.8

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-7.60	U / U	pci/l	20.7	34.9
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Cesium-134	2.85	U / U	pci/l	5.61	22.0
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.46	U / U	pci/l	4.42	22.2
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-4.09	UG / U	pci/l	9.61	23.0
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-3.37	U / U	pci/l	11.2	19.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	2.50	U / U	pci/l	7.35	10.4
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	2.59	U / U	pci/l	7.16	15.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-152	7.29	U / U	pci/l	16.1	33.3
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	10.7	U / U	pci/l	15.9	44.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-154	14.7	U / U	pci/l	27.9	22.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	15.3	U / U	pci/l	31.4	30.4
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-155	-12.4	U / U	pci/l	31.8	60.0
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	13.3	U / U	pci/l	29.6	80.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E900	Total	Gross Alpha	7.02	UG / U	pci/l	5.64	8.52
DD-143	RMHF	08/20/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	11.8	G / UJ	pci/l	6.38	8.67
DD-143	RMHF	08/20/2025	N	Radio Chemical	E900	Total	Gross Beta	**8.73**	**/**	**pci/l**	**2.56**	**2.83**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	4.90	/ UJ	pci/l	2.29	3.11
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-2.76	U / U	pci/l	8.97	16.2
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-0.186	U / U	pci/l	9.86	16.7
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-59.8	U / U	pci/l	127	227
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-40.8	U / U	pci/l	120	221
DD-143	RMHF	08/20/2025	N	Radio Chemical	E903	Total	Radium-226	**1.49**	**/**	**pci/l**	**0.444**	**0.387**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**3.55**	**/**	**pci/l**	**0.659**	**0.316**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E903	Total	Radium-226/228	**5.09**	**/**	**pci/l**	**0.860**	**0.588**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**8.09**	**/**	**pci/l**	**1.08**	**0.606**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E904	Total	Radium-228	**3.60**	**/**	**pci/l**	**0.737**	**0.588**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**4.54**	**/**	**pci/l**	**0.851**	**0.606**
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-4.78	U / U	pci/l	11.3	19.6
DD-143	RMHF	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-3.12	U / U	pci/l	9.51	17.1
DD-143	RMHF	08/20/2025	N	Radio Chemical	E905	Total	Strontium-90	0.124	U / U	pci/l	0.394	0.686
DD-143	RMHF	08/20/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.605	U / U	pci/l	1.34	2.30
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**3.13**	**/**	**pci/l**	**0.507**	**0.107**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**2.84**	**/**	**pci/l**	**0.480**	**0.0997**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**1.62**	**/**	**pci/l**	**0.366**	**0.0534**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.33**	**/**	**pci/l**	**0.328**	**0.0997**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.105	U / U	pci/l	0.100	0.107
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.0664**	**/**	**pci/l**	**0.0769**	**0.0664**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.40**	**/**	**pci/l**	**0.337**	**0.0860**
DD-143	RMHF	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.44**	**/**	**pci/l**	**0.342**	**0.0533**
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-8.78	U / U	pci/l	14.7	24.0
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-7.22	U / U	pci/l	14.7	25.6
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Americium-241	2.46	U / U	pci/l	12.1	21.1
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-0.682	U / U	pci/l	16.2	26.7
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-1.30	U / U	pci/l	6.99	12.9
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-1.83	U / U	pci/l	8.00	14.5
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Barium-133	0.890	U / U	pci/l	3.75	6.51
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	1.27	U / U	pci/l	3.26	5.78
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Cesium-134	0.386	U / U	pci/l	3.57	6.65
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	5.67	U / U	pci/l	6.41	6.35

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.89	U / U	pci/l	2.98	5.80
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	6.54	UI / UJ	pci/l	6.32	5.11
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-0.338	U / U	pci/l	1.94	3.40
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.0775	U / U	pci/l	2.16	3.79
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	0.466	U / U	pci/l	2.97	6.13
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-1.02	U / U	pci/l	3.45	5.56
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Europium-152	-3.20	U / U	pci/l	7.53	13.4
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-4.62	U / U	pci/l	7.91	13.5
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Europium-154	3.30	U / U	pci/l	9.02	18.8
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	1.99	U / U	pci/l	9.38	19.1
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Europium-155	1.04	U / U	pci/l	8.12	14.7
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	8.62	U / U	pci/l	9.38	16.2
DD-144	HMSA	03/04/2025	N	Radio Chemical	E900	Total	Gross Alpha	0.426	U / U	pci/l	1.22	2.48
DD-144	HMSA	03/04/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	0.410	U / U	pci/l	1.20	2.43
DD-144	HMSA	03/04/2025	N	Radio Chemical	E900	Total	Gross Beta	2.02	U / U	pci/l	2.25	3.70
DD-144	HMSA	03/04/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	1.14	U / U	pci/l	2.32	4.08
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Manganese-54	0.473	U / U	pci/l	2.79	5.33
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	0.214	U / U	pci/l	3.49	5.77
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Potassium-40	49.5	U / U	pci/l	72.6	70.7
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	**72.3**	**/**	**pci/l**	**60.2**	**55.7**
DD-144	HMSA	03/04/2025	N	Radio Chemical	E903	Total	Radium-226	**0.958**	**/**	**pci/l**	**0.665**	**0.757**
DD-144	HMSA	03/04/2025	N	Radio Chemical	E903	Dissolved	Radium-226	0.342	U / U	pci/l	0.401	0.601
DD-144	HMSA	03/04/2025	N	Radio Chemical	E904	Total	Radium-228	-0.483	U / U	pci/l	0.927	1.92
DD-144	HMSA	03/04/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.48	U / U	pci/l	1.30	2.00
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Total	Sodium-22	1.74	U / U	pci/l	3.10	6.58
DD-144	HMSA	03/04/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.633	U / U	pci/l	3.30	6.71
DD-144	HMSA	03/04/2025	N	Radio Chemical	E905	Total	Strontium-90	0.104	U / U	pci/l	0.620	1.18
DD-144	HMSA	03/04/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.527	U / U	pci/l	0.568	1.28
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	0.134	U / U	pci/l	0.263	0.448
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	-0.0646	U / U	pci/l	0.177	0.478
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.0654	U / U	pci/l	0.184	0.196
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0739	U / U	pci/l	0.208	0.222
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	0.0826	U / U	pci/l	0.218	0.391
DD-144	HMSA	03/04/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	-0.0143	U / U	pci/l	0.124	0.287
DD-147	HMSA	03/12/2025	N	Radio Chemical	E906.0	Total	Tritium	-25.5	U / U	pci/l	145	304
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-9.07	U / U	pci/l	21.9	34.3
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-8.97	U / U	pci/l	23.4	37.1
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Americium-241	-4.60	U / U	pci/l	32.5	58.6
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	37.7	U / U	pci/l	35.8	62.5
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-9.49	U / U	pci/l	10.8	16.6
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-1.15	U / U	pci/l	9.91	18.5
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Barium-133	3.33	U / U	pci/l	4.99	9.47
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-2.71	U / U	pci/l	4.83	8.33
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Cesium-134	2.04	U / U	pci/l	4.10	8.17
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.162	U / U	pci/l	4.05	7.59
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.655	U / U	pci/l	4.23	7.69
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.146	U / U	pci/l	4.50	8.36
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-2.24	U / U	pci/l	3.33	5.27
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.538	U / U	pci/l	3.37	5.84

TABLE 11
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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-1.95	U / U	pci/l	7.96	10.9
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-3.86	U / U	pci/l	7.99	10.0
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-152	3.07	U / U	pci/l	11.1	21.2
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-5.51	U / U	pci/l	11.2	19.7
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-154	-0.386	U / U	pci/l	11.9	23.7
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-0.697	U / U	pci/l	10.6	21.5
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-155	1.63	U / U	pci/l	12.9	23.1
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	0.196	U / U	pci/l	13.9	24.7
DD-158	OCY	02/18/2025	N	Radio Chemical	E900	Total	Gross Alpha	**8.01**	/	**pci/l**	**4.07**	**4.05**
DD-158	OCY	02/18/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**8.36**	/	**pci/l**	**4.05**	**3.87**
DD-158	OCY	02/18/2025	N	Radio Chemical	E900	Total	Gross Beta	**9.06**	/	**pci/l**	**3.56**	**4.22**
DD-158	OCY	02/18/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**5.13**	/	**pci/l**	**2.75**	**3.69**
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.62	U / U	pci/l	4.13	8.01
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-2.59	U / U	pci/l	4.06	6.44
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-79.9	U / U	pci/l	74.1	122
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-78.6	U / U	pci/l	78.8	132
DD-158	OCY	02/18/2025	N	Radio Chemical	E903	Total	Radium-226	**1.08**	/	**pci/l**	**0.456**	**0.307**
DD-158	OCY	02/18/2025	N	Radio Chemical	E903	Dissolved	Radium-226	0.226	U / U	pci/l	0.321	0.555
DD-158	OCY	02/18/2025	N	Radio Chemical	E904	Total	Radium-228	2.48	U / U	pci/l	1.96	2.94
DD-158	OCY	02/18/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.80**	/	**pci/l**	**1.67**	**2.16**
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.137	U / U	pci/l	4.21	8.42
DD-158	OCY	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.0421	U / U	pci/l	3.84	7.86
DD-158	OCY	02/18/2025	N	Radio Chemical	E905	Total	Strontium-90	0.0592	U / U	pci/l	0.415	0.813
DD-158	OCY	02/18/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.287	U / U	pci/l	0.485	1.04
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.87**	/	**pci/l**	**1.19**	**0.429**
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**4.41**	/	**pci/l**	**1.30**	**0.669**
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.179	U / U	pci/l	0.259	0.311
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.827**	/	**pci/l**	**0.581**	**0.481**
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.00**	/	**pci/l**	**1.04**	**0.346**
DD-158	OCY	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**4.61**	/	**pci/l**	**1.31**	**0.520**
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-3.37	U / U	pci/l	17.3	27.6
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	5.89	U / U	pci/l	19.3	18.8
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Americium-241	8.03	U / U	pci/l	12.3	21.5
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	3.71	U / U	pci/l	17.6	29.5
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-4.03	U / U	pci/l	7.85	11.9
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	1.64	U / U	pci/l	7.63	14.5
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Barium-133	9.33	UI / UJ	pci/l	11.0	6.64
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	3.20	U / U	pci/l	4.02	6.95
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-0.813	U / U	pci/l	3.05	5.42
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.652	U / U	pci/l	3.37	6.02
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Cesium-137	0.959	U / U	pci/l	3.15	6.01
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.0429	U / U	pci/l	2.87	5.37
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.267	U / U	pci/l	2.12	3.81
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.182	U / U	pci/l	2.27	3.93
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	0.704	U / U	pci/l	3.33	6.77
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-0.447	U / U	pci/l	3.06	5.97
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-152	-5.71	U / U	pci/l	7.64	12.6
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	9.81	U / U	pci/l	8.56	15.4
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-154	-2.37	U / U	pci/l	8.13	15.4

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	1.02	U / U	pci/l	8.00	16.6
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-155	2.58	U / U	pci/l	8.72	15.8
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	4.10	U / U	pci/l	8.98	16.0
DD-159	OCY	02/17/2025	N	Radio Chemical	E900	Total	Gross Alpha	4.23	U / U	pci/l	3.30	4.41
DD-159	OCY	02/17/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**5.04**	**/**	**pci/l**	**3.51**	**4.39**
DD-159	OCY	02/17/2025	N	Radio Chemical	E900	Total	Gross Beta	**8.01**	**/**	**pci/l**	**3.39**	**4.06**
DD-159	OCY	02/17/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**4.92**	**/**	**pci/l**	**2.94**	**4.17**
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-1.25	U / U	pci/l	3.16	5.36
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-0.885	U / U	pci/l	3.44	5.99
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Potassium-40	40.8	U / U	pci/l	60.4	68.4
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	56.5	UI / UJ	pci/l	64.4	46.0
DD-159	OCY	02/17/2025	N	Radio Chemical	E903	Total	Radium-226	**0.827**	**/**	**pci/l**	**0.439**	**0.351**
DD-159	OCY	02/17/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.05**	**/**	**pci/l**	**0.520**	**0.504**
DD-159	OCY	02/17/2025	N	Radio Chemical	E904	Total	Radium-228	2.15	U / U	pci/l	2.02	3.16
DD-159	OCY	02/17/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.952	U / U	pci/l	1.68	2.89
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.729	U / U	pci/l	2.90	5.53
DD-159	OCY	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.362	U / U	pci/l	2.84	5.88
DD-159	OCY	02/17/2025	N	Radio Chemical	E905	Total	Strontium-90	0.365	U / U	pci/l	0.607	1.07
DD-159	OCY	02/17/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.0354	U / U	pci/l	0.530	1.07
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.78**	**/**	**pci/l**	**1.57**	**0.670**
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**3.92**	**/**	**pci/l**	**1.12**	**0.472**
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.107	U / U	pci/l	0.339	0.510
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.423	U / U	pci/l	0.406	0.424
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.11**	**/**	**pci/l**	**1.42**	**0.413**
DD-159	OCY	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**3.38**	**/**	**pci/l**	**1.02**	**0.343**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-24.2	U / U	pci/l	43.5	68.6
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-11.7	U / U	pci/l	28.2	60.4
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Antimony-125	8.91	U / U	pci/l	25.0	39.4
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	19.7	U / U	pci/l	19.5	29.3
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Barium-133	-6.98	U / U	pci/l	23.8	40.0
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	4.86	U / U	pci/l	20.2	34.3
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-5.13	U / U	pci/l	14.7	25.3
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.350	U / U	pci/l	11.0	19.9
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.36	UG / U	pci/l	12.0	21.0
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	4.40	U / U	pci/l	9.41	15.4
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	2.47	U / U	pci/l	5.70	9.63
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.107	U / U	pci/l	0.267	13.8
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Europium-152	12.9	U / U	pci/l	21.8	35.4
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	14.4	U / U	pci/l	22.3	42.1
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Europium-154	4.14	U / U	pci/l	11.4	19.3
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	4.23	U / U	pci/l	7.81	31.0
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Europium-155	2.57	U / U	pci/l	9.33	47.5
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-0.265	U / U	pci/l	46.7	74.5
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E900	Total	Gross Alpha	**19.5**	**G /**	**pci/l**	**7.35**	**8.08**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	4.88	UG / U	pci/l	4.82	7.62
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E900	Total	Gross Beta	**13.3**	**/**	**pci/l**	**3.09**	**3.03**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**6.60**	**/**	**pci/l**	**2.11**	**2.55**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-1.81	U / U	pci/l	10.7	17.2
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	1.58	U / U	pci/l	7.26	12.3

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Potassium-40	59.1	U / U	pci/l	139	224
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	19.1	U / U	pci/l	119	203
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E903	Total	Radium-226	0.333	U / U	pci/l	0.351	0.559
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E903	Dissolved	Radium-226	0.281	U / U	pci/l	0.259	0.402
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E903	Total	Radium-226/228	**1.45**	**/**	**pci/l**	**0.677**	**0.789**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**0.691**	**/**	**pci/l**	**0.417**	**0.503**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E904	Total	Radium-228	**1.12**	**/**	**pci/l**	**0.579**	**0.789**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.410	U / U	pci/l	0.327	0.503
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.816	U / U	pci/l	10.7	19.6
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-0.849	U / U	pci/l	9.14	17.1
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E905	Total	Strontium-90	0.0706	U / U	pci/l	0.569	1.01
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.759	U / UJ	pci/l	0.760	1.23
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**5.74**	**/**	**pci/l**	**0.698**	**0.132**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**5.41**	**/**	**pci/l**	**0.660**	**0.125**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**3.18**	**/**	**pci/l**	**0.528**	**0.132**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**2.79**	**/**	**pci/l**	**0.477**	**0.125**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.196**	**/**	**pci/l**	**0.128**	**0.0971**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0475	U / U	pci/l	0.0673	0.106
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**2.36**	**/**	**pci/l**	**0.438**	**0.0901**
DS-44	DOE Leachfield	08/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**2.57**	**/**	**pci/l**	**0.451**	**0.0853**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-6.18	U / U	pci/l	32.5	56.6
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-2.22	U / U	pci/l	5.09	85.5
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-14.3	U / U	pci/l	25.9	39.9
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-8.03	U / U	pci/l	33.7	63.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Barium-133	5.33	U / U	pci/l	16.2	27.5
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	6.62	U / U	pci/l	18.8	44.1
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Cesium-134	6.35	U / U	pci/l	13.9	16.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-11.8	U / U	pci/l	23.8	40.4
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Cesium-137	0.486	U / U	pci/l	10.4	18.4
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-7.14	UG / U	pci/l	19.9	34.2
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.0524	U / U	pci/l	0.0946	10.6
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	2.85	U / U	pci/l	8.40	14.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-152	20.9	U / U	pci/l	17.3	32.9
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	9.98	U / U	pci/l	20.7	41.4
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-154	14.6	U / U	pci/l	22.1	22.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	10.9	U / U	pci/l	25.5	28.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-155	10.5	U / U	pci/l	35.2	59.2
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	7.81	U / U	pci/l	27.3	74.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E900	Total	Gross Alpha	**17.1**	**G /**	**pci/l**	**6.93**	**8.38**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**13.7**	**G /**	**pci/l**	**6.13**	**7.35**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E900	Total	Gross Beta	**8.67**	**/**	**pci/l**	**2.32**	**2.47**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**3.97**	**/**	**pci/l**	**2.60**	**3.77**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Manganese-54	2.83	U / U	pci/l	6.64	10.9
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-6.58	U / U	pci/l	16.7	26.9
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Potassium-40	22.4	U / U	pci/l	110	186
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-80.1	U / U	pci/l	222	364
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E903	Total	Radium-226	**0.709**	**/**	**pci/l**	**0.306**	**0.335**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E903	Dissolved	Radium-226	0.217	U / U	pci/l	0.207	0.317
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E903	Total	Radium-226/228	2.38	/ UJ	pci/l	0.593	0.530

TABLE 11
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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	1.48	/ UJ	pci/l	0.526	0.581
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E904	Total	Radium-228	1.67	/ UJ	pci/l	0.508	0.530
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.26	/ UJ	pci/l	0.484	0.581
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.177	U / U	pci/l	7.91	15.1
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	5.57	U / U	pci/l	8.97	15.3
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E905	Total	Strontium-90	0.354	U / U	pci/l	0.601	1.02
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.428	U / U	pci/l	0.469	0.927
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**12.2**	**/**	**pci/l**	**1.29**	**0.179**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**11.7**	**/**	**pci/l**	**1.25**	**0.196**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**6.74**	**/**	**pci/l**	**0.977**	**0.179**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**5.99**	**/**	**pci/l**	**0.897**	**0.196**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.344**	**/**	**pci/l**	**0.204**	**0.132**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.273**	**/**	**pci/l**	**0.181**	**0.147**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**5.11**	**/**	**pci/l**	**0.815**	**0.142**
DS-45	B4064 Leachfield	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**5.48**	**/**	**pci/l**	**0.846**	**0.191**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Actinium-228	12.5	U / U	pci/l	28.3	45.9
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	11.4	U / U	pci/l	32.1	64.0
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Antimony-125	11.0	U / U	pci/l	22.3	42.2
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	20.4	U / U	pci/l	21.8	35.7
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Barium-133	-0.539	U / U	pci/l	1.49	32.3
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	0.393	U / U	pci/l	0.879	30.9
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Cesium-134	5.00	U / U	pci/l	10.1	21.2
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	0.233	U / U	pci/l	13.0	23.4
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Cesium-137	**12.7**	**/**	**pci/l**	**8.90**	**12.2**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	2.37	UG / U	pci/l	11.7	20.5
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	2.41	U / U	pci/l	6.64	11.3
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.000	U / U	pci/l	2.39	13.5
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Europium-152	9.98	U / U	pci/l	22.6	31.8
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	22.5	U / U	pci/l	38.9	39.9
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Europium-154	3.06	U / U	pci/l	13.4	23.0
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-4.19	U / U	pci/l	15.5	26.3
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Europium-155	-13.2	U / U	pci/l	47.3	71.6
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-1.98	U / U	pci/l	31.2	107
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E900	Total	Gross Alpha	**6.55**	**G /**	**pci/l**	**4.26**	**5.95**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	2.43	UG / U	pci/l	3.28	5.48
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E900	Total	Gross Beta	**4.11**	**/**	**pci/l**	**1.60**	**2.03**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**4.68**	**/**	**pci/l**	**1.43**	**1.70**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-4.35	U / U	pci/l	9.36	17.0
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	4.03	U / U	pci/l	7.30	11.7
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Potassium-40	62.4	U / U	pci/l	110	178
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-7.22	U / U	pci/l	108	199
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E903	Total	Radium-226	**0.536**	**/**	**pci/l**	**0.264**	**0.285**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.598**	**/**	**pci/l**	**0.297**	**0.359**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E903	Total	Radium-226/228	1.79	/ UJ	pci/l	0.565	0.627
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	1.79	/ UJ	pci/l	0.554	0.567
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E904	Total	Radium-228	1.25	/ UJ	pci/l	0.500	0.627
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.19	/ UJ	pci/l	0.468	0.567
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Total	Sodium-22	3.58	U / U	pci/l	6.31	10.9
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	1.29	U / U	pci/l	10.7	19.9

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.0359	U / U	pci/l	0.457	0.836
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.0166	U / U	pci/l	0.351	0.637
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**2.65**	**/**	**pci/l**	**0.519**	**0.173**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**3.32**	**/**	**pci/l**	**0.578**	**0.161**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**1.30**	**/**	**pci/l**	**0.365**	**0.173**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.94**	**/**	**pci/l**	**0.446**	**0.161**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.130	U / U	pci/l	0.127	0.146
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0710	U / U	pci/l	0.0949	0.140
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.22**	**/**	**pci/l**	**0.347**	**0.0677**
DS-47	B4064 Leachfield	08/13/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.31**	**/**	**pci/l**	**0.356**	**0.132**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Actinium-228	4.55	U / U	pci/l	15.7	29.1
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	8.98	U / U	pci/l	16.9	27.7
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Americium-241	-4.08	U / U	pci/l	11.0	17.4
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	18.1	UI / UJ	pci/l	16.9	15.0
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Antimony-125	13.1	U / U	pci/l	21.7	16.9
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	1.66	U / U	pci/l	7.69	14.4
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Barium-133	-1.17	U / U	pci/l	3.95	6.28
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-2.53	U / U	pci/l	3.91	5.66
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Cesium-134	2.59	U / U	pci/l	3.83	7.32
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	0.638	U / U	pci/l	3.14	6.26
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.284	U / U	pci/l	3.46	6.24
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	2.90	U / U	pci/l	5.24	6.20
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.711	U / U	pci/l	2.15	3.81
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.540	U / U	pci/l	2.70	4.21
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-0.0171	U / U	pci/l	3.61	7.05
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	2.18	U / U	pci/l	3.51	7.23
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Europium-152	0.855	U / U	pci/l	8.47	15.9
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	6.76	U / U	pci/l	8.89	16.5
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Europium-154	1.50	U / U	pci/l	9.31	18.9
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	4.53	U / U	pci/l	8.67	18.2
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Europium-155	5.17	U / U	pci/l	8.91	15.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-1.90	U / U	pci/l	8.75	15.1
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E900	Total	Gross Alpha	1.58	U / U	pci/l	2.47	4.34
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	1.01	U / U	pci/l	2.33	4.46
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E900	Total	Gross Beta	**4.20**	**/**	**pci/l**	**2.77**	**4.05**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	2.14	U / U	pci/l	2.42	3.98
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.46	U / U	pci/l	3.36	6.14
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	1.26	U / U	pci/l	3.06	6.12
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-3.81	U / U	pci/l	48.8	80.8
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	19.8	U / U	pci/l	54.9	104
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E903	Total	Radium-226	**1.04**	**/**	**pci/l**	**0.623**	**0.485**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.808**	**/**	**pci/l**	**0.588**	**0.631**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E904	Total	Radium-228	0.686	U / U	pci/l	0.808	1.32
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.607	U / U	pci/l	1.17	2.05
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.385	U / U	pci/l	3.26	6.59
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	1.54	U / U	pci/l	3.05	6.40
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.00336	U / U	pci/l	0.436	0.859
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.205	U / U	pci/l	0.455	0.964
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**1.84**	**/**	**pci/l**	**0.715**	**0.515**

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.48**	/	pci/l	**0.635**	**0.440**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.157	U / U	pci/l	0.279	0.422
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0703	U / U	pci/l	0.198	0.211
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.34**	/	pci/l	**0.588**	**0.368**
PZ-103	Bldg 65 Metals Clarifier	02/27/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.45**	/	pci/l	**0.611**	**0.315**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-1.65	U / U	pci/l	16.5	28.3
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	42.7	UI / UJ	pci/l	33.1	35.1
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Americium-241	9.46	U / U	pci/l	16.4	27.9
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-20.9	U / U	pci/l	42.5	62.5
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Antimony-125	0.220	U / U	pci/l	7.34	13.8
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-3.00	U / U	pci/l	9.36	16.0
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Barium-133	-2.46	U / U	pci/l	4.26	6.38
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	0.111	U / U	pci/l	6.26	9.65
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Cesium-134	3.81	U / U	pci/l	5.15	6.84
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.865	U / U	pci/l	4.09	7.55
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.43	U / U	pci/l	3.02	5.83
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-0.302	U / U	pci/l	3.62	6.83
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-0.221	U / U	pci/l	2.27	3.92
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	3.00	U / U	pci/l	3.68	6.36
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	0.610	U / U	pci/l	3.01	6.26
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-1.65	U / U	pci/l	4.47	7.95
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-152	-6.22	U / U	pci/l	8.38	13.7
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	12.1	U / U	pci/l	12.6	21.8
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-154	-8.39	U / U	pci/l	9.52	14.2
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	1.65	U / U	pci/l	12.7	24.8
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-155	-3.76	U / U	pci/l	9.50	15.8
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-12.9	U / U	pci/l	15.2	23.4
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E900	Total	Gross Alpha	**22.2**	/	pci/l	**6.98**	**4.06**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**11.0**	/	pci/l	**4.69**	**3.95**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E900	Total	Gross Beta	**26.0**	/	pci/l	**6.12**	**4.55**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**11.2**	/	pci/l	**4.05**	**4.82**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.05	U / U	pci/l	3.14	6.00
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	0.580	U / U	pci/l	3.57	6.97
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-20.3	U / U	pci/l	48.9	83.3
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-18.2	U / U	pci/l	63.9	112
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E903	Total	Radium-226	**0.610**	/	pci/l	**0.395**	**0.389**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.640**	/	pci/l	**0.368**	**0.361**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E904	Total	Radium-228	**2.87**	/	pci/l	**1.53**	**1.78**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.30	U / U	pci/l	1.90	3.20
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-3.18	U / U	pci/l	3.37	4.83
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.752	U / U	pci/l	4.53	8.89
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E905	Total	Strontium-90	0.291	U / U	pci/l	0.562	1.00
PZ-116	RMHF	02/19/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.922	U / U	pci/l	0.660	0.980
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**9.15**	/	pci/l	**2.00**	**0.548**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**10.1**	/	pci/l	**2.14**	**0.496**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.476**	/	pci/l	**0.437**	**0.397**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.631**	/	pci/l	**0.489**	**0.390**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**9.59**	/	pci/l	**2.05**	**0.409**
PZ-116	RMHF	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**8.80**	/	pci/l	**1.92**	**0.315**

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
PZ-121	HMSA	08/15/2025	N	Radio Chemical	E906.0	Total	Tritium	-103	U / U	pci/l	126	253
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Actinium-228	1.39	U / U	pci/l	27.1	35.5
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	1.70	U / U	pci/l	26.7	33.5
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Americium-241	5.90	U / U	pci/l	24.6	41.8
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-6.69	U / U	pci/l	18.9	30.6
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Antimony-125	0.949	U / U	pci/l	10.2	18.9
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-4.19	U / U	pci/l	8.59	15.0
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Barium-133	4.27	U / U	pci/l	4.58	8.34
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-1.40	U / U	pci/l	4.66	8.40
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Cesium-134	2.83	U / U	pci/l	3.98	8.08
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-1.56	U / U	pci/l	4.77	7.81
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.51	U / U	pci/l	7.11	7.54
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-1.47	U / U	pci/l	3.45	5.96
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	2.05	U / U	pci/l	3.27	5.73
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-1.44	U / U	pci/l	3.12	4.64
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	8.90	U / U	pci/l	5.66	9.97
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	3.10	U / U	pci/l	4.28	7.55
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-152	0.517	U / U	pci/l	10.7	19.9
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-1.14	U / U	pci/l	9.82	18.2
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-154	0.942	U / U	pci/l	9.02	17.0
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-8.36	U / U	pci/l	9.86	15.0
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Europium-155	14.6	U / U	pci/l	14.4	24.0
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-6.62	U / U	pci/l	12.6	19.3
RD-14	OCY	02/19/2025	N	Radio Chemical	E900	Total	Gross Alpha	2.08	U / U	pci/l	2.38	3.73
RD-14	OCY	02/19/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	2.75	U / U	pci/l	2.72	4.06
RD-14	OCY	02/19/2025	N	Radio Chemical	E900	Total	Gross Beta	**5.36**	**/**	**pci/l**	**2.91**	**4.00**
RD-14	OCY	02/19/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**7.65**	**/**	**pci/l**	**3.37**	**4.25**
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-0.783	U / U	pci/l	3.71	6.99
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.82	U / U	pci/l	4.05	6.81
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Potassium-40	58.8	U / U	pci/l	93.1	87.5
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	9.96	U / U	pci/l	79.9	72.1
RD-14	OCY	02/19/2025	N	Radio Chemical	E903	Total	Radium-226	**1.64**	**/**	**pci/l**	**0.676**	**0.507**
RD-14	OCY	02/19/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.971**	**/**	**pci/l**	**0.424**	**0.286**
RD-14	OCY	02/19/2025	N	Radio Chemical	E904	Total	Radium-228	**2.49**	**/**	**pci/l**	**1.68**	**2.32**
RD-14	OCY	02/19/2025	N	Radio Chemical	E904	Dissolved	Radium-228	2.13	U / U	pci/l	1.93	3.01
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.421	U / U	pci/l	3.22	6.09
RD-14	OCY	02/19/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-2.81	U / U	pci/l	3.50	5.47
RD-14	OCY	02/19/2025	N	Radio Chemical	E905	Total	Strontium-90	0.441	U / U	pci/l	0.734	1.28
RD-14	OCY	02/19/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.580	U / U	pci/l	0.441	1.05
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**3.39**	**/**	**pci/l**	**1.06**	**0.550**
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**3.57**	**/**	**pci/l**	**1.19**	**0.625**
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.618**	**/**	**pci/l**	**0.479**	**0.382**
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.361	U / U	pci/l	0.429	0.460
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**2.58**	**/**	**pci/l**	**0.894**	**0.425**
RD-14	OCY	02/19/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**3.36**	**/**	**pci/l**	**1.13**	**0.474**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Actinium-228	12.2	U / U	pci/l	27.2	48.5
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Actinium-228	19.7	U / U	pci/l	29.0	43.9
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Actinium-228	13.8	U / U	pci/l	33.8	57.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	22.8	U / U	pci/l	37.1	59.4

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Antimony-125	14.6	U / U	pci/l	29.7	34.5
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Antimony-125	7.96	U / U	pci/l	14.5	43.9
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Antimony-125	15.9	U / U	pci/l	25.3	37.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	11.4	U / U	pci/l	27.1	42.7
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Barium-133	0.916	U / U	pci/l	17.7	30.6
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Barium-133	-6.06	U / U	pci/l	18.8	31.8
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Barium-133	-4.06	U / U	pci/l	20.5	35.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	0.167	U / U	pci/l	25.1	43.5
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Cesium-134	2.57	U / U	pci/l	12.2	20.9
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Cesium-134	8.22	U / U	pci/l	14.3	20.2
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Cesium-134	5.00	U / U	pci/l	8.95	23.1
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	5.56	U / U	pci/l	6.44	41.0
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Cesium-137	0.0921	U / U	pci/l	10.8	19.6
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Cesium-137	3.87	U / U	pci/l	8.31	14.4
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Cesium-137	-0.211	U / U	pci/l	9.73	17.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-8.13	UG / U	pci/l	17.4	27.3
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Cobalt-57	-0.0000000461	U / U	pci/l	6.11	10.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.000	U / U	pci/l	4.95	12.7
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Cobalt-57	2.95	U / U	pci/l	6.32	10.7
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.000	U / U	pci/l	2.06	14.2
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Europium-152	13.0	U / U	pci/l	24.8	37.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-152	7.12	U / U	pci/l	21.5	36.5
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-152	-5.62	U / U	pci/l	22.9	39.1
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	37.3	U / U	pci/l	28.1	41.4
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Europium-154	17.6	U / U	pci/l	20.8	20.6
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-154	15.5	U / U	pci/l	24.2	23.3
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-154	5.05	U / U	pci/l	20.2	24.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	17.9	U / U	pci/l	23.9	30.2
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Europium-155	4.06	U / U	pci/l	13.8	77.6
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Europium-155	3.55	U / U	pci/l	13.2	67.1
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-155	6.58	U / U	pci/l	24.8	90.1
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-0.125	U / U	pci/l	1.40	71.5
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E900	Total	Gross Alpha	**5.33**	**G /**	**pci/l**	**2.92**	**3.71**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E900	Total	Gross Alpha	**9.74**	**G /**	**pci/l**	**3.89**	**4.34**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E900	Dissolved	Gross Alpha	4.10	UG / U	pci/l	3.36	5.17
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	5.94	UG / U	pci/l	4.24	6.25
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E900	Total	Gross Beta	**8.31**	**/**	**pci/l**	**1.81**	**1.82**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E900	Total	Gross Beta	**7.32**	**/**	**pci/l**	**1.77**	**1.83**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E900	Dissolved	Gross Beta	**7.12**	**/ J**	**pci/l**	**1.56**	**1.47**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	5.60	/ UJ	pci/l	1.99	2.48
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Manganese-54	2.60	U / U	pci/l	8.63	14.3
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-2.09	U / U	pci/l	9.92	16.4
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Manganese-54	0.000	U / U	pci/l	1.80	14.0
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	5.54	U / U	pci/l	11.1	18.1
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Potassium-40	-47.3	U / U	pci/l	111	209
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Potassium-40	42.1	U / U	pci/l	96.0	161
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Potassium-40	-21.7	U / U	pci/l	132	234
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	43.4	U / U	pci/l	201	340
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E903	Total	Radium-226	**1.02**	**/**	**pci/l**	**0.385**	**0.420**

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E903	Total	Radium-226	**0.927**	/	**pci/l**	**0.360**	**0.373**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E903	Dissolved	Radium-226	**5.75**	/	**pci/l**	**0.877**	**0.259**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**6.35**	/	**pci/l**	**0.946**	**0.355**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E903	Total	Radium-226/228	**3.75**	/	**pci/l**	**0.776**	**0.633**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E903	Total	Radium-226/228	**3.76**	/	**pci/l**	**0.737**	**0.562**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E903	Dissolved	Radium-226/228	**8.68**	/ J	**pci/l**	**1.11**	**0.622**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**10.1**	/	**pci/l**	**1.24**	**0.686**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E904	Total	Radium-228	**2.73**	/	**pci/l**	**0.674**	**0.633**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E904	Total	Radium-228	**2.83**	/	**pci/l**	**0.643**	**0.562**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E904	Dissolved	Radium-228	**2.93**	/ J	**pci/l**	**0.681**	**0.622**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**3.76**	/	**pci/l**	**0.806**	**0.686**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Total	Sodium-22	3.12	U / U	pci/l	7.67	13.8
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.872	U / U	pci/l	9.71	18.1
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E901.1	Dissolved	Sodium-22	-0.872	U / U	pci/l	9.71	18.1
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	7.80	U / U	pci/l	13.6	23.5
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E905	Total	Strontium-90	-0.0259	U / U	pci/l	0.476	0.852
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E905	Total	Strontium-90	0.295	U / U	pci/l	0.872	1.51
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	E905	Dissolved	Strontium-90	0.295	U / UJ	pci/l	0.541	0.920
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.641	U / UJ	pci/l	1.14	2.16
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**4.27**	/	**pci/l**	**0.596**	**0.0824**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**3.94**	/	**pci/l**	**0.587**	**0.163**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**3.69**	/	**pci/l**	**0.552**	**0.123**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**4.04**	/	**pci/l**	**0.592**	**0.109**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**2.19**	/	**pci/l**	**0.429**	**0.0824**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**2.15**	/	**pci/l**	**0.437**	**0.163**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**2.07**	/	**pci/l**	**0.418**	**0.123**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**2.20**	/	**pci/l**	**0.440**	**0.101**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.0424	U / U	pci/l	0.0601	0.0636
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.122	U / U	pci/l	0.111	0.125
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.107**	/	**pci/l**	**0.0964**	**0.0644**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.129**	/	**pci/l**	**0.111**	**0.109**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**2.04**	/	**pci/l**	**0.410**	**0.0510**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.67**	/	**pci/l**	**0.376**	**0.127**
RD-17	B4030/4093 Leachfields	08/20/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.51**	/	**pci/l**	**0.347**	**0.0964**
RD-17	B4030/4093 Leachfields	08/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.71**	/	**pci/l**	**0.380**	**0.0542**
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Actinium-228	16.7	U / U	pci/l	24.5	34.9
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	2.74	U / U	pci/l	21.3	25.6
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Americium-241	-1.55	U / U	pci/l	13.8	17.4
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-3.98	U / U	pci/l	13.4	22.0
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-0.926	U / U	pci/l	10.7	18.5
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	1.74	U / U	pci/l	7.55	14.4
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Barium-133	-1.66	U / U	pci/l	5.02	8.51
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	2.80	U / U	pci/l	3.68	6.95
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Cesium-134	1.19	U / U	pci/l	3.44	6.62
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-1.48	U / U	pci/l	2.79	4.62
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Cesium-137	0.424	U / U	pci/l	3.84	7.09
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-0.144	U / U	pci/l	2.97	5.51
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-3.85	U / U	pci/l	3.65	4.64
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.186	U / U	pci/l	2.29	4.03

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-0.227	U / U	pci/l	3.80	7.16
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-1.57	U / U	pci/l	4.17	6.41
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-152	6.86	U / U	pci/l	9.93	17.8
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-0.729	U / U	pci/l	7.69	14.4
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-154	5.32	U / U	pci/l	12.6	24.4
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-1.21	U / U	pci/l	9.13	17.7
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-155	-5.27	U / U	pci/l	10.5	17.2
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	2.21	U / U	pci/l	8.82	16.0
RD-19	B4133	02/20/2025	N	Radio Chemical	E900	Total	Gross Alpha	**19.1**	**/**	**pci/l**	**6.95**	**4.86**
RD-19	B4133	02/20/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**31.8**	**/**	**pci/l**	**9.18**	**4.89**
RD-19	B4133	02/20/2025	N	Radio Chemical	E900	Total	Gross Beta	**22.2**	**/ J**	**pci/l**	**5.91**	**4.80**
RD-19	B4133	02/20/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**22.6**	**/ J**	**pci/l**	**5.94**	**4.69**
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Manganese-54	2.25	U / U	pci/l	4.56	8.37
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.09	U / U	pci/l	3.37	5.82
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Potassium-40	46.9	U / U	pci/l	54.5	76.0
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	60.4	UI / UJ	pci/l	64.5	55.8
RD-19	B4133	02/20/2025	N	Radio Chemical	E903	Total	Radium-226	**0.617**	**/**	**pci/l**	**0.419**	**0.380**
RD-19	B4133	02/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.21**	**/**	**pci/l**	**0.624**	**0.521**
RD-19	B4133	02/20/2025	N	Radio Chemical	E904	Total	Radium-228	1.09	U / U	pci/l	1.14	1.82
RD-19	B4133	02/20/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.33**	**/**	**pci/l**	**1.33**	**1.67**
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Total	Sodium-22	1.58	U / U	pci/l	4.50	8.68
RD-19	B4133	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-0.387	U / U	pci/l	3.25	6.31
RD-19	B4133	02/20/2025	N	Radio Chemical	E905	Total	Strontium-90	1.58	U / U	pci/l	1.13	1.74
RD-19	B4133	02/20/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.300	U / U	pci/l	0.515	1.03
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**13.1**	**/**	**pci/l**	**1.72**	**0.206**
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**13.2**	**/**	**pci/l**	**1.83**	**0.324**
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.764**	**/**	**pci/l**	**0.318**	**0.176**
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.633**	**/**	**pci/l**	**0.311**	**0.201**
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**11.6**	**/**	**pci/l**	**1.56**	**0.142**
RD-19	B4133	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**12.9**	**/**	**pci/l**	**1.79**	**0.0831**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Actinium-228	4.08	U / U	pci/l	32.2	54.0
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	26.8	U / U	pci/l	24.6	38.3
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Antimony-125	5.53	U / U	pci/l	14.4	38.3
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-4.69	U / U	pci/l	8.64	44.3
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Barium-133	6.99	U / U	pci/l	22.9	32.2
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-5.67	U / U	pci/l	20.1	34.0
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-6.46	U / U	pci/l	15.3	26.0
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-7.54	U / U	pci/l	15.1	25.5
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Cesium-137	0.642	U / U	pci/l	9.19	16.5
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-11.0	UG / U	pci/l	11.9	24.7
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	3.34	U / U	pci/l	9.23	9.71
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.000	U / U	pci/l	2.36	11.8
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-152	17.6	U / U	pci/l	23.7	27.4
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	22.2	U / U	pci/l	19.5	34.5
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-154	**23.6**	**/**	**pci/l**	**16.0**	**22.4**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	2.96	U / U	pci/l	7.62	25.6
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-155	-0.286	U / U	pci/l	27.4	42.7
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-0.265	U / U	pci/l	51.8	80.5
RD-27	RMHF	08/21/2025	N	Radio Chemical	E900	Total	Gross Alpha	3.05	UG / U	pci/l	2.80	4.40

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-27	RMHF	08/21/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	8.36	G / UJ	pci/l	3.38	4.04
RD-27	RMHF	08/21/2025	N	Radio Chemical	E900	Total	Gross Beta	**2.83**	**/**	**pci/l**	**1.09**	**1.38**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	5.53	/ UJ	pci/l	1.36	1.33
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Manganese-54	3.00	U / U	pci/l	6.80	11.1
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-6.48	U / U	pci/l	8.15	17.6
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-95.9	U / U	pci/l	118	224
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-35.0	U / U	pci/l	93.2	178
RD-27	RMHF	08/21/2025	N	Radio Chemical	E903	Total	Radium-226	**0.786**	**/**	**pci/l**	**0.339**	**0.379**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**3.78**	**/**	**pci/l**	**0.685**	**0.306**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E903	Total	Radium-226/228	**3.13**	**/**	**pci/l**	**0.715**	**0.634**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**6.77**	**/ J**	**pci/l**	**0.946**	**0.560**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E904	Total	Radium-228	**2.34**	**/**	**pci/l**	**0.629**	**0.634**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.99**	**/ J**	**pci/l**	**0.653**	**0.560**
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-6.53	U / U	pci/l	13.1	22.3
RD-27	RMHF	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-6.79	U / U	pci/l	12.0	20.4
RD-27	RMHF	08/21/2025	N	Radio Chemical	E905	Total	Strontium-90	1.20	/ UJ	pci/l	0.416	0.542
RD-27	RMHF	08/21/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	**1.85**	**/ J**	**pci/l**	**0.468**	**0.528**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**2.77**	**/**	**pci/l**	**0.511**	**0.118**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**3.32**	**/**	**pci/l**	**0.583**	**0.127**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**1.81**	**/**	**pci/l**	**0.417**	**0.118**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.96**	**/**	**pci/l**	**0.451**	**0.116**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.0772**	**/**	**pci/l**	**0.0893**	**0.0772**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0504	U / U	pci/l	0.0795	0.127
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**0.887**	**/**	**pci/l**	**0.281**	**0.0619**
RD-27	RMHF	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.31**	**/**	**pci/l**	**0.360**	**0.102**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Actinium-228	13.0	U / U	pci/l	29.9	48.5
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	19.2	U / U	pci/l	27.2	42.3
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Antimony-125	12.8	U / U	pci/l	32.7	35.9
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	13.9	U / U	pci/l	31.4	40.0
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Barium-133	4.63	U / U	pci/l	16.9	28.9
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	0.114	U / U	pci/l	0.623	26.5
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-4.61	U / U	pci/l	10.5	23.4
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.42	U / U	pci/l	3.12	21.2
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Cesium-137	4.30	U / U	pci/l	9.09	15.7
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	11.3	U / U	pci/l	9.39	13.3
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-1.08	U / U	pci/l	9.21	15.8
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-1.57	U / U	pci/l	5.93	10.2
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-152	10.4	U / U	pci/l	14.8	45.1
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	13.2	U / U	pci/l	26.2	33.9
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-154	-2.17	U / U	pci/l	5.21	33.4
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-3.56	U / U	pci/l	24.9	25.6
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Europium-155	0.000	U / U	pci/l	8.96	76.1
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	5.67	U / U	pci/l	26.5	84.0
RD-29	HMSA	08/14/2025	N	Radio Chemical	E900	Total	Gross Alpha	**22.7**	**G /**	**pci/l**	**7.54**	**7.81**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**22.3**	**G /**	**pci/l**	**7.14**	**7.14**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E900	Total	Gross Beta	**6.89**	**/ J**	**pci/l**	**2.44**	**2.90**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	5.09	/ UJ	pci/l	2.22	2.91
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.49	U / U	pci/l	6.53	11.2
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	6.81	U / U	pci/l	7.57	11.3

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-47.0	U / U	pci/l	133	242
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-42.9	U / U	pci/l	110	203
RD-29	HMSA	08/14/2025	N	Radio Chemical	E903	Total	Radium-226	0.288	U / U	pci/l	0.257	0.395
RD-29	HMSA	08/14/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.483**	**/**	**pci/l**	**0.282**	**0.374**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E903	Total	Radium-226/228	1.90	/ UJ	pci/l	0.604	0.657
RD-29	HMSA	08/14/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	1.60	/ UJ	pci/l	0.538	0.582
RD-29	HMSA	08/14/2025	N	Radio Chemical	E904	Total	Radium-228	1.61	/ UJ	pci/l	0.547	0.657
RD-29	HMSA	08/14/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.12	/ UJ	pci/l	0.458	0.582
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-3.12	U / U	pci/l	7.67	13.8
RD-29	HMSA	08/14/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.000	U / U	pci/l	2.40	17.1
RD-29	HMSA	08/14/2025	N	Radio Chemical	E905	Total	Strontium-90	**1.63**	**/ J**	**pci/l**	**1.07**	**1.62**
RD-29	HMSA	08/14/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.106	U / U	pci/l	0.388	0.725
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**17.4**	**/**	**pci/l**	**1.62**	**0.195**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**16.8**	**/**	**pci/l**	**1.56**	**0.162**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**8.44**	**/**	**pci/l**	**1.13**	**0.164**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**8.46**	**/**	**pci/l**	**1.12**	**0.162**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.483**	**/**	**pci/l**	**0.248**	**0.195**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.487**	**/**	**pci/l**	**0.236**	**0.124**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**8.51**	**/**	**pci/l**	**1.14**	**0.105**
RD-29	HMSA	08/14/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**7.83**	**/**	**pci/l**	**1.06**	**0.114**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-4.34	U / U	pci/l	19.1	33.8
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-16.6	U / U	pci/l	21.5	33.3
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Americium-241	1.75	U / U	pci/l	31.9	60.4
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	14.0	U / U	pci/l	19.0	35.6
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-3.61	U / U	pci/l	10.8	17.5
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	3.72	U / U	pci/l	9.62	18.5
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Barium-133	-0.636	U / U	pci/l	5.12	8.04
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-0.461	U / U	pci/l	4.71	7.84
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-1.51	U / U	pci/l	5.17	8.14
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.18	U / U	pci/l	3.97	8.09
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cesium-137	2.35	U / U	pci/l	4.12	8.19
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-0.621	U / U	pci/l	3.93	7.03
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-2.91	U / U	pci/l	3.48	5.41
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.593	U / U	pci/l	2.64	4.82
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-1.54	U / U	pci/l	4.49	8.41
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	2.30	U / U	pci/l	4.36	9.15
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-152	2.56	U / U	pci/l	11.7	19.4
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-6.44	U / U	pci/l	9.81	16.4
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-154	6.42	U / U	pci/l	11.0	24.7
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	2.51	U / U	pci/l	13.4	26.4
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-155	-2.87	U / U	pci/l	12.6	22.5
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-5.24	U / U	pci/l	10.6	16.6
RD-30	RMHF	02/24/2025	N	Radio Chemical	E900	Total	Gross Alpha	**15.4**	**/**	**pci/l**	**5.00**	**3.31**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**11.1**	**/**	**pci/l**	**4.18**	**3.40**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E900	Total	Gross Beta	**13.5**	**/ J**	**pci/l**	**3.74**	**3.24**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	6.53	/ UJ	pci/l	2.75	3.52
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-0.506	U / U	pci/l	4.09	7.57
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-2.72	U / U	pci/l	3.75	6.11
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Potassium-40	18.0	U / U	pci/l	78.6	58.0

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	12.0	U / U	pci/l	122	72.6
RD-30	RMHF	02/24/2025	N	Radio Chemical	E903	Total	Radium-226	0.603	U / U	pci/l	0.498	0.665
RD-30	RMHF	02/24/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.980**	**/**	**pci/l**	**0.600**	**0.652**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E904	Total	Radium-228	1.88	U / U	pci/l	1.66	2.57
RD-30	RMHF	02/24/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.15**	**/**	**pci/l**	**1.19**	**1.41**
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Sodium-22	2.49	U / U	pci/l	3.99	8.94
RD-30	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.889	U / U	pci/l	4.74	9.38
RD-30	RMHF	02/24/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.224	U / U	pci/l	0.576	1.20
RD-30	RMHF	02/24/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.137	U / U	pci/l	0.762	1.55
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**5.15**	**/**	**pci/l**	**0.872**	**0.236**
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**4.46**	**/**	**pci/l**	**0.807**	**0.283**
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.326**	**/**	**pci/l**	**0.230**	**0.260**
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.460**	**/**	**pci/l**	**0.247**	**0.0921**
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**5.29**	**/**	**pci/l**	**0.882**	**0.210**
RD-30	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**6.13**	**/**	**pci/l**	**0.983**	**0.0745**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-11.8	U / U	pci/l	16.1	23.8
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	5.93	U / U	pci/l	20.3	33.3
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Americium-241	4.44	U / U	pci/l	7.76	13.5
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	7.90	U / U	pci/l	29.8	51.9
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Antimony-125	0.881	U / U	pci/l	7.21	13.9
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	2.83	U / U	pci/l	7.38	14.7
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Barium-133	1.57	U / U	pci/l	3.35	6.05
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-0.313	U / U	pci/l	3.55	6.75
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-2.32	U / U	pci/l	3.22	4.96
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.02	U / U	pci/l	3.86	6.89
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Cesium-137	2.29	U / U	pci/l	3.19	6.32
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-1.66	U / U	pci/l	3.14	5.32
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	1.16	U / U	pci/l	2.21	3.98
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.450	U / U	pci/l	2.74	4.93
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	2.08	U / U	pci/l	3.55	7.58
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-0.835	U / U	pci/l	3.66	7.06
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-152	-1.22	U / U	pci/l	8.87	16.5
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-4.72	U / U	pci/l	8.36	14.6
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-154	-0.269	U / U	pci/l	7.36	15.4
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-6.55	U / U	pci/l	11.2	19.3
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Europium-155	2.32	U / U	pci/l	8.86	16.0
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-2.06	U / U	pci/l	10.5	18.5
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E900	Total	Gross Alpha	**6.53**	**/**	**pci/l**	**4.21**	**4.81**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**9.31**	**/**	**pci/l**	**4.72**	**4.63**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E900	Total	Gross Beta	**7.55**	**/**	**pci/l**	**3.14**	**3.79**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**6.00**	**/**	**pci/l**	**2.67**	**3.36**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-1.04	U / U	pci/l	2.95	5.18
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	0.0769	U / U	pci/l	3.52	6.61
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Potassium-40	1.98	U / U	pci/l	62.5	57.8
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	23.2	U / U	pci/l	48.4	68.1
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E903	Total	Radium-226	**0.999**	**/**	**pci/l**	**0.498**	**0.481**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.407**	**/**	**pci/l**	**0.307**	**0.346**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E904	Total	Radium-228	**2.89**	**/**	**pci/l**	**1.62**	**2.03**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E904	Dissolved	Radium-228	-0.0860	U / U	pci/l	0.912	1.81

TABLE 11
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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.0575	U / U	pci/l	2.65	5.60
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-2.32	U / U	pci/l	3.97	6.85
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E905	Total	Strontium-90	0.834	U / U	pci/l	0.714	1.13
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.287	U / U	pci/l	0.619	1.12
RD-34A	RMHF	02/18/2025	N	Radio Chemical	E906.0	Total	Tritium	111	U / U	pci/l	115	185
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.10**	**/**	**pci/l**	**1.25**	**0.568**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**2.96**	**/**	**pci/l**	**0.869**	**0.369**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.318	U / U	pci/l	0.405	0.500
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.367**	**/**	**pci/l**	**0.336**	**0.305**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.95**	**/**	**pci/l**	**1.38**	**0.350**
RD-34A	RMHF	02/18/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**3.49**	**/**	**pci/l**	**0.945**	**0.247**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Actinium-228	12.8	U / U	pci/l	33.0	56.6
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	1.28	U / U	pci/l	28.9	49.5
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Antimony-125	7.76	U / U	pci/l	25.5	31.1
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	7.42	U / U	pci/l	19.9	30.8
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Barium-133	-6.33	U / U	pci/l	17.3	29.2
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	6.09	U / U	pci/l	21.9	29.0
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Cesium-134	6.32	U / U	pci/l	13.3	21.4
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.69	U / U	pci/l	3.33	21.0
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.685	UG / U	pci/l	9.22	21.4
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	1.44	U / U	pci/l	10.4	18.1
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	3.46	U / U	pci/l	10.1	10.7
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	2.59	U / U	pci/l	9.77	10.5
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Europium-152	15.7	U / U	pci/l	29.6	30.3
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	19.5	U / U	pci/l	25.2	29.6
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Europium-154	11.5	U / U	pci/l	24.0	20.4
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	3.00	U / U	pci/l	11.8	20.8
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Europium-155	-0.481	U / U	pci/l	26.8	60.2
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-2.59	U / U	pci/l	26.6	80.2
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E900	Total	Gross Alpha	0.769	U / U	pci/l	0.891	1.45
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	0.0982	U / U	pci/l	0.735	1.42
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E900	Total	Gross Beta	**2.36**	**/**	**pci/l**	**0.734**	**0.862**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	2.32	/ UJ	pci/l	0.716	0.844
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-2.06	U / U	pci/l	12.1	17.3
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-4.55	U / U	pci/l	7.07	14.7
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-43.9	U / U	pci/l	115	207
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	91.5	U / U	pci/l	122	189
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E903	Total	Radium-226	**0.690**	**/**	**pci/l**	**0.417**	**0.571**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**2.25**	**/**	**pci/l**	**0.505**	**0.361**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E903	Total	Radium-226/228	**1.01**	**/**	**pci/l**	**0.628**	**0.792**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	**3.72**	**/**	**pci/l**	**0.685**	**0.507**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E904	Total	Radium-228	0.319	U / U	pci/l	0.470	0.792
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**1.46**	**/**	**pci/l**	**0.463**	**0.507**
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.708	U / U	pci/l	9.43	17.5
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.870	U / U	pci/l	6.11	11.8
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E905	Total	Strontium-90	0.330	/ UJ	pci/l	0.199	0.303
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.952	/ UJ	pci/l	0.238	0.267
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	0.000	U / U	pci/l	0.04332	0.278
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	0.0636	U / U	pci/l	0.1131	0.176

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-34B	RMHF	08/22/2025	N	Radio Chemical	E906.0	Total	Tritium	110	U / U	pci/l	159	265
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	-0.0184	U / U	pci/l	0.0260	0.255
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	0.0302	U / U	pci/l	0.0839	0.176
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	-0.0114	U / U	pci/l	0.0229	0.278
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0233	U / U	pci/l	0.0584	0.130
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	-0.0183	U / U	pci/l	0.0260	0.254
RD-34B	RMHF	08/22/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	0.0101	U / U	pci/l	0.0483	0.131
RD-34C	RMHF	08/26/2025	FD	Radio Chemical	E906.0	Total	Tritium	15.3	U / U	pci/l	186	335
RD-34C	RMHF	08/26/2025	N	Radio Chemical	E906.0	Total	Tritium	-114	U / U	pci/l	168	325
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Actinium-228	1.06	U / U	pci/l	27.2	47.0
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	13.1	U / U	pci/l	35.5	52.1
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Antimony-125	7.32	U / U	pci/l	27.1	39.9
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-2.29	U / U	pci/l	21.3	34.7
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Barium-133	3.33	U / U	pci/l	16.5	35.1
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	3.72	U / U	pci/l	14.4	29.4
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-4.25	U / U	pci/l	9.06	28.3
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	3.49	U / U	pci/l	4.21	21.5
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.58	UG / U	pci/l	12.6	22.0
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-4.12	UG / U	pci/l	24.6	20.6
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.000	U / U	pci/l	1.92	12.1
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.000	U / U	pci/l	1.50	11.9
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-152	10.4	U / U	pci/l	35.2	35.8
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-3.24	U / U	pci/l	20.5	35.0
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-154	9.62	U / U	pci/l	18.2	24.4
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-1.46	U / U	pci/l	6.45	24.3
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Europium-155	-0.736	U / U	pci/l	1.79	67.7
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	7.93	U / U	pci/l	20.4	52.6
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E900	Total	Gross Alpha	**13.1**	**G /**	**pci/l**	**5.53**	**6.74**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	6.18	UG / U	pci/l	4.98	7.61
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E900	Total	Gross Beta	**3.28**	**/**	**pci/l**	**1.58**	**2.10**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**4.54**	**/**	**pci/l**	**1.72**	**2.19**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Manganese-54	3.83	U / U	pci/l	7.30	11.7
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-0.456	U / U	pci/l	8.43	14.5
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Potassium-40	102	U / U	pci/l	115	174
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-28.0	U / U	pci/l	102	186
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E903	Total	Radium-226	**1.47**	**/**	**pci/l**	**0.421**	**0.322**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.761**	**/**	**pci/l**	**0.321**	**0.345**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E903	Total	Radium-226/228	3.51	/ UJ	pci/l	0.692	0.514
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	2.41	/ UJ	pci/l	0.615	0.566
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E904	Total	Radium-228	2.03	/ UJ	pci/l	0.549	0.514
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.65	/ UJ	pci/l	0.524	0.566
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.354	U / U	pci/l	10.0	18.6
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-1.33	U / U	pci/l	8.87	16.4
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E905	Total	Strontium-90	**1.42**	**/ J**	**pci/l**	**0.708**	**1.00**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	1.11	U / UJ	pci/l	1.16	1.88
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**3.89**	**/**	**pci/l**	**0.619**	**0.155**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**4.15**	**/**	**pci/l**	**0.655**	**0.101**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**1.90**	**/**	**pci/l**	**0.434**	**0.155**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**2.08**	**/**	**pci/l**	**0.464**	**0.101**

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.126**	/	pci/l	**0.118**	**0.119**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.0828**	/	pci/l	**0.0958**	**0.0828**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.86**	/	pci/l	**0.425**	**0.0954**
RD-54A	FSDF	08/12/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.99**	/	pci/l	**0.452**	**0.0664**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-4.18	U / U	pci/l	16.1	25.8
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	34.2	UI / UJ	pci/l	32.3	27.1
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Americium-241	1.17	U / U	pci/l	13.0	23.8
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-51.1	U / U	pci/l	43.3	58.8
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-8.89	U / U	pci/l	10.0	13.2
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	3.81	U / U	pci/l	10.6	19.3
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Barium-133	-0.318	U / U	pci/l	3.62	6.10
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-4.57	U / U	pci/l	6.29	8.25
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-134	1.29	U / U	pci/l	3.52	6.74
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.454	U / U	pci/l	4.64	8.64
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-137	3.29	U / U	pci/l	3.79	6.27
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-2.63	U / U	pci/l	4.12	6.89
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-1.07	U / U	pci/l	2.24	3.72
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	0.966	U / U	pci/l	3.36	6.04
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-2.14	U / U	pci/l	3.57	6.00
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	2.04	U / U	pci/l	4.70	9.42
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-152	3.21	U / U	pci/l	8.09	15.5
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	4.70	U / U	pci/l	12.1	20.4
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-154	-3.22	U / U	pci/l	8.52	15.0
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-5.58	U / U	pci/l	12.1	21.0
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-155	7.58	U / U	pci/l	8.85	15.7
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	3.63	U / U	pci/l	14.9	26.6
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Alpha	0.557	U / U	pci/l	2.03	4.26
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**4.06**	/	pci/l	**2.88**	**3.12**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Beta	**7.63**	/	pci/l	**3.29**	**3.98**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**7.20**	/	pci/l	**3.25**	**4.08**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.99	U / U	pci/l	2.96	5.84
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.52	U / U	pci/l	4.08	7.25
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-2.69	U / U	pci/l	48.4	94.6
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-18.8	U / U	pci/l	61.7	112
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E903	Total	Radium-226	**1.93**	/	pci/l	**0.736**	**0.515**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.946**	/	pci/l	**0.478**	**0.455**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E904	Total	Radium-228	1.18	U / U	pci/l	1.38	2.26
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.645	U / U	pci/l	1.29	2.23
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.493	U / U	pci/l	2.81	5.49
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-1.90	U / U	pci/l	4.30	7.51
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E905	Total	Strontium-90	0.861	U / U	pci/l	0.855	1.39
RD-59A	Off-site	03/07/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.186	U / U	pci/l	0.580	1.22
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**0.835**	/	pci/l	**0.556**	**0.573**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**1.42**	/	pci/l	**0.759**	**0.582**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.132	U / U	pci/l	0.305	0.482
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.105	U / U	pci/l	0.295	0.314
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**0.617**	/	pci/l	**0.448**	**0.338**
RD-59A	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**0.890**	/	pci/l	**0.594**	**0.469**
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Actinium-228	21.3	U / U	pci/l	21.5	29.9

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	5.09	U / U	pci/l	30.4	41.0
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Americium-241	-1.47	U / U	pci/l	16.3	26.8
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-3.98	U / U	pci/l	21.7	39.1
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Antimony-125	4.81	U / U	pci/l	8.01	15.2
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	3.07	U / U	pci/l	10.4	19.5
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Barium-133	2.95	U / U	pci/l	4.67	6.80
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	2.69	U / U	pci/l	5.16	8.87
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-134	2.51	U / U	pci/l	3.30	6.48
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	2.10	U / U	pci/l	4.54	9.04
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-2.29	U / U	pci/l	3.52	5.01
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.0200	U / U	pci/l	8.62	8.10
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.365	U / U	pci/l	3.83	4.30
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	2.67	U / U	pci/l	3.29	5.70
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-4.45	U / U	pci/l	3.57	3.72
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-0.0853	U / U	pci/l	4.36	8.41
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-152	0.252	U / U	pci/l	7.50	14.2
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-0.206	U / U	pci/l	10.4	19.3
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-154	-9.82	U / U	pci/l	11.7	14.2
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	7.22	U / U	pci/l	12.2	25.2
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-155	-1.08	U / U	pci/l	8.75	15.2
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	13.8	U / U	pci/l	13.7	22.1
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Alpha	1.33	U / U	pci/l	2.14	3.83
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	0.178	U / U	pci/l	1.88	4.13
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Beta	3.41	U / U	pci/l	2.67	4.11
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**5.13**	**/**	**pci/l**	**3.00**	**4.28**
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Manganese-54	0.314	U / U	pci/l	3.29	6.11
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	1.06	U / U	pci/l	3.97	7.87
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-0.172	U / U	pci/l	42.1	84.4
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-38.5	U / U	pci/l	77.5	140
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E903	Total	Radium-226	**1.04**	**/**	**pci/l**	**0.489**	**0.460**
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**2.51**	**/**	**pci/l**	**0.818**	**0.455**
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E904	Total	Radium-228	**2.11**	**/**	**pci/l**	**1.26**	**1.53**
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.61	U / U	pci/l	1.20	1.74
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-3.49	U / U	pci/l	4.15	5.06
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	2.65	U / U	pci/l	4.35	9.00
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E905	Total	Strontium-90	0.809	U / U	pci/l	1.13	1.91
RD-59B	Off-site	03/07/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.0698	U / U	pci/l	1.02	1.88
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	0.483	U / U	pci/l	0.531	0.745
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	0.0510	U / U	pci/l	0.370	0.762
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	-0.0258	U / U	pci/l	0.223	0.516
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.0574	U / U	pci/l	0.319	0.611
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	0.0661	U / U	pci/l	0.248	0.417
RD-59B	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	0.114	U / U	pci/l	0.315	0.545
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Actinium-228	24.3	U / U	pci/l	25.9	29.2
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	23.1	U / U	pci/l	24.0	41.4
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Americium-241	0.514	U / U	pci/l	10.4	18.6
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-2.15	U / U	pci/l	29.4	55.4
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Antimony-125	2.59	U / U	pci/l	7.95	15.1
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	7.51	U / U	pci/l	10.9	21.2

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Barium-133	4.17	U / U	pci/l	6.22	6.48
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-1.51	U / U	pci/l	5.71	8.65
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-134	1.38	U / U	pci/l	3.31	6.42
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-2.16	U / U	pci/l	4.51	7.67
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.454	U / U	pci/l	3.67	5.85
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	1.67	U / U	pci/l	5.18	9.31
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-0.292	U / U	pci/l	2.14	3.69
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-1.72	U / U	pci/l	3.23	5.43
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	1.30	U / U	pci/l	2.57	5.78
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	1.54	U / U	pci/l	3.75	8.40
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-152	-4.33	U / U	pci/l	7.26	12.3
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	7.67	U / U	pci/l	11.5	19.7
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-154	2.28	U / U	pci/l	10.3	20.7
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-6.22	U / U	pci/l	14.7	20.1
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Europium-155	2.31	U / U	pci/l	9.02	16.0
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-6.12	U / U	pci/l	12.6	21.6
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Alpha	2.46	U / U	pci/l	2.66	4.18
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	1.13	U / U	pci/l	2.19	4.12
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E900	Total	Gross Beta	2.23	U / U	pci/l	2.46	4.03
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	2.49	U / U	pci/l	2.52	4.09
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-3.68	U / U	pci/l	3.34	4.61
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.17	U / U	pci/l	4.17	7.45
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Potassium-40	38.8	U / U	pci/l	47.3	93.0
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-25.5	U / U	pci/l	71.2	131
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E903	Total	Radium-226	**1.01**	**/**	**pci/l**	**0.500**	**0.352**
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**3.29**	**/**	**pci/l**	**0.969**	**0.557**
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E904	Total	Radium-228	1.00	U / U	pci/l	1.45	2.44
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.473	U / U	pci/l	0.973	1.71
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.884	U / U	pci/l	3.68	7.40
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-2.21	U / U	pci/l	5.22	7.15
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.452	U / U	pci/l	0.973	1.92
RD-59C	Off-site	03/07/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.578	U / U	pci/l	1.01	1.76
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	0.361	U / U	pci/l	0.388	0.511
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	0.550	U / U	pci/l	0.513	0.616
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.168	U / U	pci/l	0.289	0.253
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.000	U / U	pci/l	0.212	0.314
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	0.223	U / U	pci/l	0.307	0.416
RD-59C	Off-site	03/07/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	0.0644	U / U	pci/l	0.242	0.406
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Actinium-228	14.7	U / U	pci/l	23.0	37.5
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Actinium-228	70.7	UI / UJ	pci/l	41.9	36.9
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Actinium-228	1.93	U / U	pci/l	17.0	24.7
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	13.3	U / U	pci/l	22.2	28.4
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Americium-241	3.11	U / U	pci/l	5.30	9.90
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Americium-241	-12.1	U / U	pci/l	39.9	69.4
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Americium-241	-0.180	U / U	pci/l	12.4	22.7
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-15.3	U / U	pci/l	33.0	56.7
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Antimony-125	6.13	U / U	pci/l	15.5	21.0
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-6.97	U / U	pci/l	13.5	18.8
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Antimony-125	0.719	U / U	pci/l	6.84	13.1

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SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	3.46	U / U	pci/l	10.5	20.1
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Barium-133	-0.608	U / U	pci/l	4.70	7.93
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Barium-133	2.60	U / U	pci/l	6.15	9.78
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Barium-133	-2.19	U / U	pci/l	3.57	6.08
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-0.859	U / U	pci/l	5.29	8.77
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Cesium-134	-2.06	U / U	pci/l	5.76	9.83
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-0.198	U / U	pci/l	4.41	8.30
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Cesium-134	-1.45	U / U	pci/l	3.19	5.39
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	6.54	U / U	pci/l	5.75	8.79
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Cesium-137	1.72	U / U	pci/l	4.69	9.00
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-3.47	U / U	pci/l	3.90	5.96
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Cesium-137	1.94	U / U	pci/l	3.06	5.93
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.813	U / U	pci/l	4.35	8.24
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Cobalt-57	-0.402	U / U	pci/l	2.27	4.05
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-2.88	U / U	pci/l	3.66	5.74
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.529	U / U	pci/l	2.20	3.81
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.358	U / U	pci/l	3.32	5.80
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Cobalt-60	0.301	U / U	pci/l	3.63	7.72
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	0.908	U / U	pci/l	4.40	8.73
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Cobalt-60	2.72	U / U	pci/l	3.79	7.78
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-0.927	U / U	pci/l	7.94	11.2
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Europium-152	0.298	U / U	pci/l	10.3	17.9
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-152	8.14	U / U	pci/l	12.7	22.6
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-152	2.17	U / U	pci/l	7.40	14.3
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-5.20	U / U	pci/l	11.8	20.8
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Europium-154	-5.67	U / U	pci/l	11.8	20.7
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-154	-15.9	U / U	pci/l	13.0	13.9
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-154	0.118	U / U	pci/l	7.35	15.1
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	2.10	U / U	pci/l	10.8	22.7
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Europium-155	4.53	U / U	pci/l	7.85	14.6
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Europium-155	6.47	U / U	pci/l	16.2	25.7
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Europium-155	1.49	U / U	pci/l	8.51	15.4
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	1.81	U / U	pci/l	13.9	24.9
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E900	Total	Gross Alpha	**19.5**	/	**pci/l**	**6.75**	**4.23**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E900	Total	Gross Alpha	**19.8**	/	**pci/l**	**6.91**	**4.41**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E900	Dissolved	Gross Alpha	**8.08**	/	**pci/l**	**4.29**	**4.40**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**6.75**	/	**pci/l**	**3.86**	**3.93**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E900	Total	Gross Beta	**12.6**	/	**pci/l**	**4.17**	**4.06**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E900	Total	Gross Beta	**12.2**	/	**pci/l**	**4.17**	**4.40**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E900	Dissolved	Gross Beta	**9.87**	/	**pci/l**	**3.59**	**3.78**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**12.2**	/	**pci/l**	**3.96**	**3.81**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Manganese-54	4.89	U / U	pci/l	5.28	10.1
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-1.25	U / U	pci/l	3.83	6.89
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Manganese-54	-2.26	U / U	pci/l	3.53	5.56
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.38	U / U	pci/l	4.50	7.83
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Potassium-40	22.3	U / U	pci/l	68.0	127
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-4.32	U / U	pci/l	59.0	108
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Potassium-40	17.8	U / U	pci/l	59.1	52.7
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	9.90	U / U	pci/l	87.1	64.8

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E903	Total	Radium-226	**2.02**	/	**pci/l**	**0.698**	**0.420**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E903	Total	Radium-226	**2.11**	/	**pci/l**	**0.824**	**0.531**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E903	Dissolved	Radium-226	**3.39**	/	**pci/l**	**0.960**	**0.364**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.39**	/	**pci/l**	**0.579**	**0.573**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E904	Total	Radium-228	**2.99**	/	**pci/l**	**1.73**	**2.09**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E904	Total	Radium-228	**2.21**	/	**pci/l**	**1.50**	**2.05**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E904	Dissolved	Radium-228	**3.60**	/	**pci/l**	**1.78**	**1.84**
RD-63	RMHF	02/17/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**2.85**	/	**pci/l**	**1.94**	**2.70**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Total	Sodium-22	-1.90	U / U	pci/l	4.18	7.46
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-5.70	U / U	pci/l	4.60	4.82
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E901.1	Dissolved	Sodium-22	0.0266	U / U	pci/l	2.60	5.35
RD-63	RMHF	02/17/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.745	U / U	pci/l	3.82	8.07
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E905	Total	Strontium-90	-0.956	U / U	pci/l	0.681	1.46
RD-63	RMHF	02/17/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.0314	U / U	pci/l	0.451	0.910
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E905	Dissolved	Strontium-90	0.574	U / U	pci/l	0.621	1.02
RD-63	RMHF	02/17/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.632	U / U	pci/l	0.645	1.34
RD-63	RMHF	02/17/2025	FD	Radio Chemical	E906.0	Total	Tritium	-71.4	U / U	pci/l	73.2	185
RD-63	RMHF	02/17/2025	N	Radio Chemical	E906.0	Total	Tritium	47.2	U / U	pci/l	101	185
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.66**	/	**pci/l**	**1.38**	**0.589**
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**3.56**	/	**pci/l**	**1.23**	**0.541**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**3.51**	/	**pci/l**	**0.999**	**0.492**
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**3.64**	/	**pci/l**	**1.19**	**0.743**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.309	U / U	pci/l	0.424	0.575
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.0797	U / U	pci/l	0.294	0.493
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.577**	/	**pci/l**	**0.430**	**0.375**
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.159	U / U	pci/l	0.312	0.432
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.17**	/	**pci/l**	**1.28**	**0.534**
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.56**	/	**pci/l**	**1.41**	**0.399**
RD-63	RMHF	02/17/2025	FD	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**4.29**	/	**pci/l**	**1.11**	**0.335**
RD-63	RMHF	02/17/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**2.99**	/	**pci/l**	**1.04**	**0.588**
RD-88	Tritium Plume	03/10/2025	N	Radio Chemical	E906.0	Total	Tritium	**14900**	/	**pci/l**	**2980**	**594**
RD-90	Tritium Plume	03/11/2025	N	Radio Chemical	E906.0	Total	Tritium	**19400**	/	**pci/l**	**3840**	**592**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Actinium-228	12.4	U / U	pci/l	31.2	50.9
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	47.6	U / U	pci/l	52.6	73.8
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Antimony-125	19.8	U / U	pci/l	36.7	41.6
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-26.1	U / U	pci/l	72.7	75.2
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Barium-133	-7.57	U / U	pci/l	34.7	58.3
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-11.1	U / U	pci/l	29.5	77.4
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Cesium-134	0.0329	U / U	pci/l	0.0673	25.4
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-7.60	U / U	pci/l	15.2	44.3
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Cesium-137	1.27	U / U	pci/l	9.62	15.9
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.000	UG / U	pci/l	9.34	35.2
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-0.739	U / U	pci/l	1.95	18.0
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.0898	U / U	pci/l	0.162	16.6
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-152	-13.5	U / U	pci/l	30.9	51.7
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	23.9	U / U	pci/l	57.0	47.0
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-154	15.2	U / U	pci/l	28.7	36.4
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	10.8	U / U	pci/l	31.9	33.0
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Europium-155	17.2	U / U	pci/l	56.5	94.9

TABLE 11
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VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-8.11	U / U	pci/l	60.7	102
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E900	Total	Gross Alpha	**23.3**	**G / J**	**pci/l**	**8.57**	**9.19**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**17.9**	**G /**	**pci/l**	**8.08**	**10.2**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E900	Total	Gross Beta	6.71	G / UJ	pci/l	3.23	4.30
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**7.31**	**/**	**pci/l**	**2.66**	**3.24**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-3.19	U / U	pci/l	11.8	19.0
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-11.5	U / U	pci/l	20.0	31.3
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-94.6	U / U	pci/l	131	263
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-127	U / U	pci/l	255	407
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E903	Total	Radium-226	**0.528**	**/**	**pci/l**	**0.286**	**0.357**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.47**	**/**	**pci/l**	**0.394**	**0.286**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E903	Total	Radium-226/228	**0.882**	**/**	**pci/l**	**0.451**	**0.557**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226/228	3.38	/ UJ	pci/l	0.619	0.411
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E904	Total	Radium-228	0.354	U / U	pci/l	0.349	0.557
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.91	/ UJ	pci/l	0.478	0.411
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Total	Sodium-22	7.85	U / U	pci/l	7.64	11.4
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-1.04	U / U	pci/l	15.3	29.1
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E905	Total	Strontium-90	1.79	/ UJ	pci/l	0.527	0.638
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	1.87	/ UJ	pci/l	0.553	0.681
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Total Uranium	**16.7**	**/**	**pci/l**	**1.54**	**0.189**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Total Uranium	**16.8**	**/**	**pci/l**	**1.56**	**0.164**
RD-93	Tritium Plume	03/12/2025	N	Radio Chemical	E906.0	Total	Tritium	**6950**	**/**	**pci/l**	**1520**	**318**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**8.30**	**/**	**pci/l**	**1.10**	**0.189**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**8.64**	**/**	**pci/l**	**1.13**	**0.164**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.443**	**/**	**pci/l**	**0.224**	**0.139**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.311**	**/**	**pci/l**	**0.187**	**0.139**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**7.97**	**/**	**pci/l**	**1.06**	**0.122**
RD-93	Tritium Plume	08/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**7.89**	**/**	**pci/l**	**1.06**	**0.122**
RD-94	Tritium Plume	03/10/2025	N	Radio Chemical	E906.0	Total	Tritium	**3030**	**/**	**pci/l**	**745**	**588**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Actinium-228	20.9	U / U	pci/l	21.5	28.6
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	14.7	U / U	pci/l	25.7	34.5
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Americium-241	-8.23	U / U	pci/l	17.7	28.0
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-59.3	U / U	pci/l	51.5	71.4
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Antimony-125	5.34	U / U	pci/l	10.1	18.4
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	-2.76	U / U	pci/l	11.2	19.2
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Barium-133	-2.44	U / U	pci/l	6.18	8.13
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-3.57	U / U	pci/l	7.13	9.92
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Cesium-134	3.92	U / U	pci/l	4.45	8.46
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-3.09	U / U	pci/l	4.83	7.44
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-4.13	U / U	pci/l	4.13	5.79
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-0.435	U / U	pci/l	4.31	7.31
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-3.12	U / U	pci/l	3.16	4.56
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-2.22	U / U	pci/l	3.51	5.73
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-1.51	U / U	pci/l	3.77	6.86
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	0.574	U / U	pci/l	2.90	6.25
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-152	2.29	U / U	pci/l	10.3	19.4
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-0.931	U / U	pci/l	13.3	20.4
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-154	-1.02	U / U	pci/l	10.3	20.2
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-2.00	U / U	pci/l	12.8	20.7

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-155	4.50	U / U	pci/l	10.8	19.4
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	-6.81	U / U	pci/l	14.9	25.2
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E900	Total	Gross Alpha	**31.8**	**/**	**pci/l**	**9.07**	**4.88**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**29.2**	**/**	**pci/l**	**8.80**	**4.86**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E900	Total	Gross Beta	**28.6**	**/ J**	**pci/l**	**6.75**	**4.27**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**15.6**	**/ J**	**pci/l**	**4.41**	**3.92**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Manganese-54	0.00166	U / U	pci/l	3.91	7.18
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-0.619	U / U	pci/l	4.30	7.94
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-19.1	U / U	pci/l	45.9	86.3
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	48.1	U / U	pci/l	59.5	86.2
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E903	Total	Radium-226	**1.91**	**/**	**pci/l**	**0.896**	**0.755**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**0.719**	**/**	**pci/l**	**0.535**	**0.626**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E904	Total	Radium-228	1.30	U / U	pci/l	1.06	1.55
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.12	U / U	pci/l	1.08	1.69
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-0.284	U / U	pci/l	3.67	7.23
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-0.712	U / U	pci/l	4.54	7.34
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.273	U / UJ	pci/l	1.01	1.93
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.0794	U / U	pci/l	0.645	1.26
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	E906.0	Total	Tritium	**3780**	**/**	**pci/l**	**838**	**185**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**21.8**	**/**	**pci/l**	**2.97**	**0.398**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**20.9**	**/**	**pci/l**	**3.08**	**0.372**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**1.28**	**/**	**pci/l**	**0.497**	**0.254**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.916**	**/**	**pci/l**	**0.466**	**0.307**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**18.5**	**/**	**pci/l**	**2.59**	**0.390**
RD-95	Tritium Plume	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**17.5**	**/**	**pci/l**	**2.66**	**0.338**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Actinium-228	4.94	U / U	pci/l	18.9	20.3
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	11.8	U / U	pci/l	22.1	33.2
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Americium-241	1.99	U / U	pci/l	15.8	28.4
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-15.9	U / U	pci/l	29.3	45.8
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Antimony-125	2.38	U / U	pci/l	8.47	16.0
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	1.58	U / U	pci/l	8.27	15.4
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Barium-133	0.0932	U / U	pci/l	3.95	6.64
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-0.479	U / U	pci/l	4.34	7.44
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Cesium-134	0.855	U / U	pci/l	3.62	6.83
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.22	U / U	pci/l	4.13	7.31
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.636	U / U	pci/l	2.87	5.17
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	-2.05	U / U	pci/l	4.52	6.85
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.453	U / U	pci/l	2.33	4.11
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-1.89	U / U	pci/l	2.77	4.40
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	1.92	U / U	pci/l	3.67	7.42
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	1.33	U / U	pci/l	2.81	6.46
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-152	3.82	U / U	pci/l	7.94	15.2
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-12.5	U / U	pci/l	10.6	13.0
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-154	2.62	U / U	pci/l	8.47	17.8
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	0.380	U / U	pci/l	7.89	15.3
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Europium-155	0.351	U / U	pci/l	8.58	15.2
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	7.10	U / U	pci/l	11.1	20.2
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E900	Total	Gross Alpha	**32.5**	**/**	**pci/l**	**9.16**	**3.63**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**6.57**	**/**	**pci/l**	**3.05**	**3.03**

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E900	Total	Gross Beta	**43.6**	**/**	**pci/l**	**9.12**	**4.17**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	11.8	/ UJ	pci/l	3.32	3.17
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Manganese-54	0.262	U / U	pci/l	3.29	6.10
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	0.429	U / U	pci/l	3.15	6.12
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Potassium-40	12.4	U / U	pci/l	54.2	102
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	27.0	U / U	pci/l	53.3	71.5
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E903	Total	Radium-226	**2.33**	**/**	**pci/l**	**0.946**	**0.807**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.65**	**/**	**pci/l**	**0.746**	**0.484**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E904	Total	Radium-228	0.819	U / U	pci/l	1.39	2.38
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E904	Dissolved	Radium-228	1.19	U / U	pci/l	1.00	1.49
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Total	Sodium-22	1.14	U / U	pci/l	3.07	6.47
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	0.0503	U / U	pci/l	2.78	5.36
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.389	U / U	pci/l	0.638	1.32
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.248	U / U	pci/l	0.565	1.01
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	E906.0	Total	Tritium	**193**	**/**	**pci/l**	**133**	**187**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.37**	**/**	**pci/l**	**0.826**	**0.242**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**4.87**	**/**	**pci/l**	**0.920**	**0.375**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.253**	**/**	**pci/l**	**0.206**	**0.198**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.232	U / U	pci/l	0.224	0.285
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**3.70**	**/**	**pci/l**	**0.738**	**0.217**
RD-96	B4057/59/626	02/20/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**4.19**	**/**	**pci/l**	**0.817**	**0.170**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Actinium-228	-2.42	U / U	pci/l	15.4	27.0
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	17.1	U / U	pci/l	25.0	40.6
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Americium-241	-4.61	U / U	pci/l	9.19	14.2
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	-20.4	U / U	pci/l	24.0	37.7
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Antimony-125	-2.19	U / U	pci/l	8.75	14.2
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	5.33	U / U	pci/l	10.7	20.1
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Barium-133	-1.05	U / U	pci/l	4.01	6.55
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-0.208	U / U	pci/l	4.94	8.20
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Cesium-134	1.74	U / U	pci/l	3.39	6.77
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-4.24	U / U	pci/l	4.51	6.82
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.340	U / U	pci/l	2.74	5.15
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	3.89	U / U	pci/l	6.25	9.92
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	0.827	U / U	pci/l	2.08	3.78
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-2.69	U / U	pci/l	3.60	5.26
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	-1.68	U / U	pci/l	3.66	6.26
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	7.76	U / U	pci/l	8.10	9.50
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-152	0.0849	U / U	pci/l	7.00	13.5
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	0.276	U / U	pci/l	11.2	20.8
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-154	-4.62	U / U	pci/l	11.5	17.9
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-4.92	U / U	pci/l	10.2	17.7
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Europium-155	5.62	U / U	pci/l	8.65	15.6
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	9.21	U / U	pci/l	13.6	22.5
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E900	Total	Gross Alpha	**9.01**	**/**	**pci/l**	**3.60**	**3.07**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**10.1**	**/**	**pci/l**	**4.71**	**3.79**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E900	Total	Gross Beta	**17.9**	**/ J**	**pci/l**	**4.26**	**3.20**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	8.30	/ UJ	pci/l	3.41	4.08
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-1.62	U / U	pci/l	3.36	5.65
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.74	U / U	pci/l	5.29	8.32

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Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-13.0	U / U	pci/l	51.2	93.8
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-65.1	U / U	pci/l	75.5	132
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E903	Total	Radium-226	**1.34**	**/**	**pci/l**	**0.619**	**0.508**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.10**	**/**	**pci/l**	**0.664**	**0.649**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E904	Total	Radium-228	**3.90**	**/**	**pci/l**	**1.92**	**2.28**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E904	Dissolved	Radium-228	**3.92**	**/**	**pci/l**	**1.64**	**1.46**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-1.64	U / U	pci/l	4.08	6.37
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-1.66	U / U	pci/l	3.65	6.37
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.0933	U / U	pci/l	0.471	0.955
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	-0.139	U / U	pci/l	0.776	1.49
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	E906.0	Total	Tritium	3.36	U / U	pci/l	91.3	185
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**5.92**	**/**	**pci/l**	**0.977**	**0.229**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**5.68**	**/**	**pci/l**	**1.10**	**0.323**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.407**	**/**	**pci/l**	**0.235**	**0.0939**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.419**	**/**	**pci/l**	**0.297**	**0.259**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**5.75**	**/**	**pci/l**	**0.951**	**0.179**
RD-97	B4057/59/626	02/21/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**5.28**	**/**	**pci/l**	**1.04**	**0.252**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Actinium-228	26.6	U / U	pci/l	31.3	33.4
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	-7.29	U / U	pci/l	21.4	32.9
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Americium-241	-4.11	U / U	pci/l	13.5	24.0
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	0.616	U / U	pci/l	16.3	29.9
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Antimony-125	3.46	U / U	pci/l	8.38	16.3
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	2.33	U / U	pci/l	8.91	17.0
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Barium-133	2.54	U / U	pci/l	3.64	6.63
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	-5.51	U / U	pci/l	6.09	7.11
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Cesium-134	-2.84	U / U	pci/l	4.85	7.22
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	1.01	U / U	pci/l	4.43	8.32
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Cesium-137	-0.516	U / U	pci/l	3.65	5.92
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	1.84	U / U	pci/l	3.93	7.49
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	-0.205	U / U	pci/l	2.42	4.27
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-0.350	U / U	pci/l	2.60	4.54
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	0.130	U / U	pci/l	3.54	7.17
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	2.28	U / U	pci/l	3.72	7.91
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Europium-152	1.75	U / U	pci/l	8.71	16.7
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	12.3	U / U	pci/l	11.7	20.8
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Europium-154	1.62	U / U	pci/l	10.5	21.4
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	9.74	U / U	pci/l	10.2	21.9
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Europium-155	-5.34	U / U	pci/l	8.96	14.6
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	8.76	U / U	pci/l	11.1	19.6
RD-98	RMHF	02/25/2025	N	Radio Chemical	E900	Total	Gross Alpha	**9.33**	**/**	**pci/l**	**4.32**	**3.53**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**6.55**	**/**	**pci/l**	**3.55**	**2.95**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E900	Total	Gross Beta	**178**	**/**	**pci/l**	**31.4**	**4.07**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	**164**	**/**	**pci/l**	**28.9**	**3.89**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Manganese-54	-2.24	U / U	pci/l	3.44	5.33
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.32	U / U	pci/l	3.75	6.47
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Potassium-40	-21.2	U / U	pci/l	53.3	92.8
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-9.23	U / U	pci/l	54.6	106
RD-98	RMHF	02/25/2025	N	Radio Chemical	E903	Total	Radium-226	0.618	U / U	pci/l	0.562	0.754
RD-98	RMHF	02/25/2025	N	Radio Chemical	E903	Dissolved	Radium-226	**1.44**	**/**	**pci/l**	**0.810**	**0.836**

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RD-98	RMHF	02/25/2025	N	Radio Chemical	E904	Total	Radium-228	-0.00584	U / U	pci/l	0.801	1.57
RD-98	RMHF	02/25/2025	N	Radio Chemical	E904	Dissolved	Radium-228	0.763	U / U	pci/l	1.07	1.80
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Total	Sodium-22	0.746	U / U	pci/l	3.76	7.72
RD-98	RMHF	02/25/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	3.45	U / U	pci/l	3.61	7.76
RD-98	RMHF	02/25/2025	N	Radio Chemical	E905	Total	Strontium-90	**53.1**	**/**	**pci/l**	**9.75**	**1.26**
RD-98	RMHF	02/25/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	**73.9**	**/**	**pci/l**	**12.1**	**0.823**
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**3.23**	**/**	**pci/l**	**1.10**	**0.552**
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**3.81**	**/**	**pci/l**	**1.09**	**0.439**
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	0.324	U / U	pci/l	0.413	0.510
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	0.205	U / U	pci/l	0.297	0.356
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**1.87**	**/**	**pci/l**	**0.809**	**0.491**
RD-98	RMHF	02/25/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**1.74**	**/**	**pci/l**	**0.686**	**0.180**
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Actinium-228	8.65	U / U	pci/l	28.9	40.8
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Actinium-228	0.927	U / U	pci/l	16.5	24.2
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Americium-241	3.80	U / U	pci/l	4.74	8.42
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Americium-241	4.96	U / U	pci/l	8.06	13.8
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Antimony-125	8.15	U / U	pci/l	10.7	20.5
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Antimony-125	6.12	U / U	pci/l	8.43	16.1
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Barium-133	0.0627	U / U	pci/l	4.58	7.92
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Barium-133	1.79	U / U	pci/l	3.85	6.78
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cesium-134	3.81	U / U	pci/l	5.04	9.93
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-134	-0.102	U / U	pci/l	3.99	7.28
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cesium-137	0.563	U / U	pci/l	3.72	7.25
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cesium-137	0.521	U / U	pci/l	3.33	6.30
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cobalt-57	1.46	U / U	pci/l	2.18	4.01
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-57	-2.49	U / U	pci/l	3.03	4.01
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Cobalt-60	3.84	U / U	pci/l	5.37	11.3
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Cobalt-60	-0.574	U / U	pci/l	3.42	6.57
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-152	1.78	U / U	pci/l	8.97	17.6
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-152	-7.57	U / U	pci/l	8.25	12.6
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-154	-8.27	U / U	pci/l	13.6	22.6
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-154	-4.21	U / U	pci/l	8.38	14.8
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Europium-155	7.54	U / U	pci/l	8.93	16.1
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Europium-155	0.978	U / U	pci/l	9.96	16.4
RS-28	RMHF	02/24/2025	N	Radio Chemical	E900	Total	Gross Alpha	**10.0**	**/**	**pci/l**	**3.98**	**3.32**
RS-28	RMHF	02/24/2025	N	Radio Chemical	E900	Dissolved	Gross Alpha	**9.05**	**/**	**pci/l**	**4.44**	**4.36**
RS-28	RMHF	02/24/2025	N	Radio Chemical	E900	Total	Gross Beta	11.0	/ UJ	pci/l	3.29	3.18
RS-28	RMHF	02/24/2025	N	Radio Chemical	E900	Dissolved	Gross Beta	7.40	/ UJ	pci/l	3.22	3.90
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Manganese-54	1.80	U / U	pci/l	5.25	9.12
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Manganese-54	-1.01	U / U	pci/l	3.17	5.51
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Potassium-40	27.5	U / U	pci/l	64.3	100
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Potassium-40	-9.78	U / U	pci/l	49.0	101
RS-28	RMHF	02/24/2025	N	Radio Chemical	E903	Total	Radium-226	**0.884**	**/**	**pci/l**	**0.534**	**0.513**
RS-28	RMHF	02/24/2025	N	Radio Chemical	E903	Dissolved	Radium-226	0.479	U / U	pci/l	0.443	0.562
RS-28	RMHF	02/24/2025	N	Radio Chemical	E904	Total	Radium-228	1.20	U / U	pci/l	1.61	2.68
RS-28	RMHF	02/24/2025	N	Radio Chemical	E904	Dissolved	Radium-228	-0.387	U / U	pci/l	1.29	2.35
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Total	Sodium-22	-3.04	U / U	pci/l	4.82	7.93
RS-28	RMHF	02/24/2025	N	Radio Chemical	E901.1	Dissolved	Sodium-22	-1.49	U / U	pci/l	2.97	5.25
RS-28	RMHF	02/24/2025	N	Radio Chemical	E905	Total	Strontium-90	-0.849	U / U	pci/l	0.785	1.67

TABLE 11
VALIDATED RADIOCHEMICAL ANALYTICAL RESULTS, 2025 ANNUAL - DOE AREA IV
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Groundwater Impact Area	Sample Date	Sample Type	Method	Analytic Method	Fraction	Analyte	Result	Qualifiers	Units	Error/TPU	MDC
RS-28	RMHF	02/24/2025	N	Radio Chemical	E905	Dissolved	Strontium-90	0.286	U / U	pci/l	0.605	1.06
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-233/234	**4.04**	**/**	**pci/l**	**0.738**	**0.305**
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-233/234	**4.28**	**/**	**pci/l**	**0.777**	**0.252**
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-235/236	**0.369**	**/**	**pci/l**	**0.244**	**0.285**
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-235/236	**0.300**	**/**	**pci/l**	**0.199**	**0.0899**
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Total	Uranium-238	**4.36**	**/**	**pci/l**	**0.768**	**0.288**
RS-28	RMHF	02/24/2025	N	Radio Chemical	EML300_U02MOD	Dissolved	Uranium-238	**4.44**	**/**	**pci/l**	**0.786**	**0.171**

NOTES AND ABBREVIATIONS
/ - separates lab qualifiers from data validation flags
All non-detection values are reported using the Minimum Detectable Concentration (MDC)
Bold values - detected results
FD - field duplicate
FSDF - Former Sodium Disposal Facility
HMSA - Hazardous Material Storage Area
MDC - minimum detectable concentration
N - normal
OCY - Old Conservation Yard
pci/l = picocuries per liter
RMHF - Radiological Material Handling Facility
TPU - Total Propogated Uncertainty
LAB / VALIDATION QUALIFIERS
G - The sample MDC is greater than the requested RL.
J - Result is an estimated quantity. Associated numerical value is approximate concentration of analyte in sample.
U - Analyzed for, but not detected above reported sample quantitation limit.
UI - Results are considered a false positive due to low abundance.
UJ- The result is estimated non-detect at the reported concentration

APPENDIX A
Monitoring Well and Piezometer Construction Data

Table A-1 Well Construction Data

Table A-2(a, b) Construction Details of Piezometer Monitoring System

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TABLE A-1
WELL CONSTRUCTION DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
SHALLOW WELLS										
CS-08 (C-8)	IV	400	12-1/4 7-1/2	0–65 65–400	8 ---	0 - 65 ---	0 - 65	65 - 400 Open Hole	1843.02	NA
C-20	IV	61	18 5-7/8	0–7 7–61	6 ---	0 - 7 ---	0 - 7	7 - 61 Open Hole	1844.78	NA
C-21	IV	53	18 5-7/8	0–11 11–53	6 ---	0 - 11 ---	0 - 11	11 - 53 Open Hole	1832.47	NA
C-22	IV	58	18 5-7/8	0–6 6–58	6 ---	0 - 6 ---	0 - 6	6 - 58 Open Hole	1839.47	NA
C-23	IV	61	18 5-7/8	0–8 8–61	6 ---	0 - 8 ---	0 - 8	8 - 61 Open Hole	1852.16	NA
C-24	IV	62	18 5-7/8	0–10 10–61	6-1/4 ---	0 - 10 ---	0 - 10	10 - 62 Open Hole	1851.74	NA
C-25	IV	63	18 5-7/8	0–6 6–63	6 ---	0 - 6 ---	0 - 6	6 - 63 Open Hole	1849.06	NA
C-26	IV	58	18 5-7/8	0–14 14–58	6 ---	0 - 14 ---	0 - 14	14 - 58 Open Hole	1868.64	NA
C-27	IV	63	18 5-7/8	0–16.5 16.5–63	6 ---	0 - 16.5 ---	0 - 16.5	16.5 - 63 Open Hole	1865.00	NA
C-28	IV	68	18 10 5-7/8	0–6.5 6.5–19 19–68	6 --- ---	0 - 19 --- ---	0 - 19	19 - 68 Open Hole	1831.75	NA
C-29	IV	60	18 10 5-7/8	0–8 8–13 13–60	6 --- ---	0 - 13 --- ---	0 - 13	13 - 60 Open Hole	1822.84	NA
C-30	IV	60	18 10 5-7/8	0–10 10–15 15–60	6 --- ---	0 - 15 --- ---	0 - 15	15 - 60 Open Hole	1806.67	NA
C-31	IV	100	18 10 5-7/8	0–13 13–60 60–100	6 --- ---	0 - 60 --- ---	0 - 60	60 - 100 Open Hole	1804.84	NA
C-32	IV	60	18 10 5-7/8	0–10 10–15 15–60	6 --- ---	0 - 15 --- ---	0 - 15	15 - 60 Open Hole	1799.73	NA
DS-43	IV	84	14 9-7/8 5-7/8 3-11/16	0 - 10 10-28 28 - 84 84 - 93	6 --- --- ---	0 - 28 --- --- ---	0 - 28	 Open Hole Open Hole	1809.52	02/10/16
DS-44	IV	91	14 9-7/8 5-7/8	0 - 10 10 - 19 19 - 91	6 --- ---	0 - 19 --- ---	0 - 19	 Open Hole	1851.21	01/20/16
DS-45	IV	75	14 9-7/8 5-7/8 3-11/16	0 - 9 9 - 18 18 - 75 75 - 95	6 --- --- ---	0 - 18 --- --- ---	0 - 18	 Open Hole Open Hole	1866.58	01/28/16
DS-46	IV	52	14 9-7/8 5-7/8	0 - 5 5 - 37 37 - 52	6 --- ---	0 - 37 --- ---	0 - 37	 Open Hole	1797.79	02/24/16
DS-47	IV	145	14 9-7/8 5-7/8	0 - 10 10 - 19 19 - 145	6 --- ---	0 - 19 --- ---	0 - 19	 Open Hole	1867.94	03/17/16
DS-48	IV	65	18 10 5-7/8	0–5 5–35 35–65	6-1/4 --- ---	0-35 --- ---	0-35	 Open Hole	1814.46	03/17/20
RS-11	IV	17.5	16	0 - 17.5	4	0 - 17.5	0 - 9	10 - 17.5	1790.39	06/10/85
RS-16	IV	20.5	16	0 - 20.5	4	0 - 20.5	0 - 14.5	16.5 - 20.5	1811.05	06/11/85
RS-18	IV	13	16	0 - 13	4	0 - 13	0 - 6	7.5 - 13	1802.86	06/12/85
RS-23	IV	13	12	0 - 13	4	0 - 13	0 - 6.8	8 - 13	1887.25	08/23/88
RS-24	IV	8.5	12	0 - 8.5	4	0 - 8.5	0 - 3	4 - 8.5	1809.24	08/25/88

TABLE A-1
WELL CONSTRUCTION DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RS-25	IV	13.5	Trenched	0 - 13.5	4	0 - 13.5	0 - 2	8.5 - 13.5	1862.71	08/25/88
RS-27	IV	9	8	0 - 9	4	0 - 9	0 - 3	5 - 9	1804.78	08/02/88
RS-28	IV	19	8	0 - 19	4	0 - 19	0 - 9	14 - 19	1768.59	08/17/89
RS-36	IV	19.5	9-5/8	0 - 19.5	12 9-5/8	0 - 15 ---	0 - 15 ---	 Open Hole	1817.73	11/21/11
RS-54	IV	38	11-1/4 5-7/8	0 - 7 7 - 38	6-1/4 ---	0 – 7 ---	0 - 7	 Open Hole	1846.66	08/09/93
ES-31	IV	25	12	0 - 25	6	0 - 25	0 - 9.7	11.6 - 25	1787.01	01/29/87
CHATSWORTH FORMATION										
DD-139	IV	206	14 9-7/8 5-7/8	0 - 10 10 - 19 19 - 206	6 --- ---	0 - 19 --- ---	0 - 19	 Open Hole	1793.01	03/04/16
DD-140	IV	167	14 9-7/8 5-7/8	0 - 10 10 - 60 60 - 167	6 --- ---	0 - 60 --- ---	0 - 60	 Open Hole	1798.16	02/23/16
DD-141	IV	133	14 9-7/8 5-7/8	0 - 10 10 - 19.5 19.5 -133	6 --- ---	0 - 19.5 --- ---	0 - 19.5	 Open Hole	1762.79	06/29/16
DD-142	IV	91	14 9-7/8 5-7/8	0 - 10 10 - 34 34 - 91	6 --- ---	0 - 34 --- ---	0 - 34	 Open Hole	1812.22	02/05/16
DD-143	IV	100	14 9-7/8 5-7/8	0 - 10 10 - 19.7 19.7 -100	6 --- ---	0 - 19.7 --- ---	0 - 19.7	 Open Hole	1789.74	06/15/16
DD-144	IV	71	14 9-7/8 5-7/8	0 - 15 15 - 38 38 - 71	6 --- ---	0 - 38 --- ---	0 - 38	 Open Hole	1810.69	02/02/16
DD-145	IV	82	14 9-7/8 5-7/8	0 - 3 3 - 27 27 - 82	6 --- ---	0 - 27 --- ---	0 - 27	 Open Hole	1798.90	02/12/16
DD-146	IV	140	10 5-7/8	0 - 40 40 - 140	6 ---	0 - 120 ---	0 - 120	 Open Hole	1812.72	06/14/18
DD-147	IV	257	13 5-7/8	0 - 30 30 - 257	8-1/2 ---	0 - 30 ---	0 - 30	 Open Hole	1818.30	06/14/18
DD-157	IV	140	18 10 5 7/8	0–4 4–85 85–140	5-7/8 --- ---	0 - 85 --- ---	0 - 85	 Open Hole	1814.21	03/13/20
DD-158	IV	145	18 10 5 7/8	0–19 19 -75 75–145	5-7/8 --- ---	0 - 75 --- ---	0 - 75	 Open Hole	1832.09	08/21/20
DD-159	IV	126	18 10 5 7/8	0–4 4–40 40–126	10 --- ---	0 - 40 --- ---	0 - 40	 Open Hole	1838.35	07/01/20
RD-07	IV	300	15 8-5/8	0 - 25 25 - 300	10-1/8 ---	0 - 25 ---	0 - 25	 Open Hole	1812.82	01/08/86
RD-13	IV	160	12 6-1/2	0 - 30 30 - 160	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1840.01	07/25/89
RD-14	IV	125	12 6-1/2	0 - 30 30 - 125	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1824.18	07/27/89
RD-15	IV	152	12 6-1/2	0 - 30 30 - 152	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1817.70	07/27/89
RD-16	IV	220	12 6-1/2	0 - 30 30 - 220	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1808.99	08/15/89
RD-17	IV	125	12 6-1/2	0 - 30 30 - 125	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1836.30	08/10/89
RD-18	IV	240	12 6-1/2	0 - 30 30 - 240	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1839.51	07/28/89
RD-19	IV	135	12 6-1/2	0 - 30 30 - 135	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1853.16	07/31/89
RD-20	IV	127	12 6-1/2	0 - 30 30 - 127	8-1/4 ---	0 - 30 ---	0 - 30	 Open Hole	1819.52	07/27/89

TABLE A-1
WELL CONSTRUCTION DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-21	IV	175	12 6-1/2	0 - 30 30 - 175	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1866.96	08/11/89
RD-22	IV	440	12 6-1/2	0 - 30 30 - 440	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1853.41	08/15/89
RD-23	IV	440	12 6-1/2	0 - 30 30 - 440	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1839.20	08/16/89
RD-24	IV	150	12 6-1/2	0 - 30 30 - 150	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1809.93	08/09/89
RD-25	IV	Well abandoned April 2004 as part of Building 4059 demolition.								
RD-27	IV	150	12 6-1/2	0 - 30 30 - 150	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1841.67	08/10/89
RD-28	IV	Well abandoned April 2004 as part of Building 4059 demolition.								
RD-29	IV	100	12 6-1/2	0 - 30 30 - 100	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1806.29	08/10/89
RD-30	IV	75	12 6-1/2	0 - 30 30 - 75	8-1/4 ---	0 - 30 ---	0 - 30	Open Hole	1768.69	08/11/89
RD-33A	UL-N	320	17-1/2 11 5-1/2	0 - 11 11 - 100 100 - 320	12-1/8 6-1/4 ---	0 - 11 0 - 100 ---	0 - 11 0 - 100	Open Hole	1792.97	09/27/91
RD-33B	UL-N	415	17-1/2 11 6-1/4	0 - 20 20 - 360 360 - 415	12-1/8 6-1/4 ---	0 - 20 0 - 360 ---	0 - 20 20 - 360	Open Hole	1793.72	09/27/91
RD-33C	UL-N	520	17-1/2 11 6-1/4	0 - 10 10 - 480 480 - 520	12-1/8 6-1/4 ---	0 - 10 0 - 480 ---	0 - 10 0 - 480	Open Hole	1793.61	09/21/91
RD-34A	UL-N	60	12-1/4 6-1/2	0 - 16 16 - 60	8-1/4 ---	0 - 16 ---	0 - 16	Open Hole	1761.91	07/25/91
RD-34B	UL-N	240	17-1/2 11 6-1/4	0 - 30 30 - 180 180 - 240	12-1/8 6-1/4 ---	0 - 30 0 - 180 ---	0 - 30 0 - 180	Open Hole	1762.51	08/11/91
RD-34C	UL-N	450	17-1/2 11 6-1/4	0 - 30 30 - 380 380 - 450	12-1/8 6-1/4 ---	0 - 30 0 - 380 ---	0 - 30 0 - 380	Open Hole	1762.79	08/10/91
RD-50	IV	195	12-3/4 6-1/4	0 - 18.5 18.5 - 195	8-1/4 ---	0 - 18.5 ---	0 - 18.5	Open Hole	1914.88	05/28/93
RD-54A	IV	278	17-1/2 11-1/4 5-7/8	0 - 19 19 - 119 119 - 278	12-1/8 6-1/4 ---	0 - 19 0 - 119 ---	0 - 19 0 - 119	Open Hole	1842.20	08/07/93
RD-54B	IV	437	17-1/2 11-1/4 5-7/8	0 - 19 19 - 379 379 - 437	12-1/8 6-1/4 ---	0 - 19 0 - 379 ---	0 - 19 0 - 379	Open Hole	1842.54	08/31/93
RD-54C	IV	638	17-1/2 11-1/4 6-1/4	0 - 20 20 - 558 558 - 638	12-1/8 6-1/4 ---	0 - 20 0 - 557 ---	0 - 20 0 - 557	Open Hole	1843.77	07/27/93
RD-57	UL-N	419	17-1/2 6-1/2	0 - 19.5 19.5 - 419	12-1/8 ---	0 - 19.5 ---	0 - 19.5	Open Hole	1774.15	02/23/94
RD-59A	OS	58	17-1/2 6-1/2	0 - 21 21 - 58	12-1/8 ---	0 - 21 ---	0 - 21	Open Hole	1340.59	05/19/94
RD-59B	OS	214	17-1/2 6-1/2	0 - 19.5 19.5 - 214	12-1/8 2	0 - 19.5 0 - 209	0 - 19.5 0 - 161	178 - 209	1342.49	07/02/94
RD-59C	OS	398	17-1/2 6-1/2	0 - 19 19 - 398	12-1/8 2	0 - 19 0 - 397	0 - 19 0 - 186 250 - 328	345.5 - 397	1345.41	07/02/94
RD-63	IV	230	12-3/4 6-1/2	0 - 20 20 - 230	8-1/4 ---	0 - 20 ---	0 - 20	Open Hole	1764.83	05/10/94
RD-64	IV	398	12-1/4 6-1/2	0 - 19 19 - 398	8-1/4 ---	0 - 19 ---	0 - 19	Open Hole	1857.04	05/19/94
RD-65	IV	397	12-3/4 6-1/2	0 - 19 19 - 397	8-1/4 ---	0 - 19 ---	0 - 19	Open Hole	1820.11	08/14/94
RD-74	IV	101	17-1/2 6-1/2	0 - 30 30 - 101	12 ---	0 - 30 ---	0 - 30	Open Hole	1810.90	01/21/99

TABLE A-1
WELL CONSTRUCTION DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
RD-85	IV	90	13-3/8 5	0 - 20 20 - 90	8 ---	0 - 20 ---	0 - 20	Open Hole	1849.36	08/04/04
RD-86	IV	80	13-3/8 5	0 - 20 20 - 80	8 ---	0 - 20 ---	0 - 20	Open Hole	1832.16	08/09/04
RD-87	IV	60	13-3/8 5	0 - 20 20 - 60	8 ---	0 - 20 ---	0 - 20	Open Hole	1789.09	08/11/04
RD-88	IV	30	13-3/8 5	0 - 20 20 - 30	8 ---	0 - 20 ---	0 - 20	Open Hole	1774.62	08/16/04
RD-89	IV	50	13 3.8	0 - 30 30 - 50	8 ---	0 - 30 ---	0 - 30	Open Hole	1814.18	05/18/05
RD-90	IV	125	12-3/4 6	0 - 20 20 - 125	8 ---	0 - 20 ---	0 - 20	Open Hole	1784.75	03/11/04
RD-91	IV	140	12-3/4 6	0 - 20 20 - 140	8 ---	0 - 20 ---	0 - 20	Open Hole	1818.04	03/12/04
RD-92	IV	105	12-3/4 6	0 - 20 20 - 105	8 ---	0 - 20 ---	0 - 20	Open Hole	1833.74	03/16/04
RD-93	IV	60	13 3.8	0 - 20 20 - 60	8 ---	0 - 20 ---	0 - 20	Open Hole	1810.48	05/19/05
RD-94	UL-N	35	13 3.8	0 - 20.5 20.5 - 35	8 ---	0 - 20.5 ---	0 - 20.5	Open Hole	1744.38	05/15/05
RD-95	IV	80	13 3.8	0 - 50 50 - 80	8 ---	0 - 50 ---	0 - 50	Open Hole	1811.36	05/12/05
RD-96	UL-N	90	13 4	0 - 20 20 - 90	8 ---	0 - 20 ---	0 - 20	Open Hole	1805.49	05/03/06
RD-97	UL-N	74.5	13 4	0 - 20 20 - 74.5	8 ---	0 - 20 ---	0 - 20	Open Hole	1792.22	04/28/06
RD-98	IV	65	13-3/8 5-1/2	0 - 20 20 - 65	8-1/8 ---	0 - 20 ---	0 - 20 ---	Open hole	1808.73	06/04/08
RD-102	IV	100	10-5/8 4	0 - 30 30 - 100	6 ---	0 - 30 ---	0 - 30 ---	Open hole	1817.50	11/16/11
RD-150	IV	170	10 5.5	0 - 40 40 - 170	6 ---	0-40 ---	0-40	Open Hole	1877.64	04/26/16
RD-151	IV	130	10 5.5	0 - 40 40 - 130	6 ---	0-40 ---	0-40	Open Hole	1858.38	05/09/16
RD-152	IV	60	10 5.5	0 - 20 20 - 60	6 ---	0-20 ---	0-20	Open Hole	1798.88	04/29/16
RD-153	IV	55	10 5.5	0 - 20 20 - 55	6 ---	0-20 ---	0-20	Open Hole	1776.26	05/11/16
RD-154	IV	145	10 5.5	0 - 40 40 - 145	6 ---	0-40 ---	0-40	Open Hole	1827.62	05/23/16
RD-155	IV	115	10 5.5	0 - 40 40 - 115	6 ---	0-40 ---	0-40	Open Hole	1820.72	05/17/16
RD-156	IV	170	10 5.5	0 - 40 40 - 170	6 ---	0-40 ---	0-40	Open Hole	1819.88	06/09/16
WS-07	IV	700	15 10	0 - 400 400 - 700	12-1/8 ---	0 - 400 ---	Unknown	216 - 400 Open Hole	1826.19	1954
OFF-SITE WELLS, SEEPS, AND SPRINGS										
OS-02	OS	700	Unknown	Unknown	10 ---	0 - 17 ---	0 - 17	Open Hole	1237.01	03/18/59
OS-03	OS	100	Drilled with cable tools		8-1/4 ---	0 - 59 ---	0 - 30	30 - 60 Open Hole	1298.15	06/12/50
OS-04	OS	Well Construction Data Unresolved or Not Available							1334.00	NA
OS-05	OS	Well Construction Data Unresolved or Not Available							NA	NA
SP-T02A	IV	9.48	1.65	0 - 9.48	0.84	0 - 7.48	0 - 7.48	7.48 - 9.48	1716.41	NA
SP-T02B	IV	12.42	1.65	0 - 12.42	0.84	0 - 9.92	0 - 9.92	9.92 - 12.42	1713.71	NA
SP-T02C	IV	24.3	1.65	0 - 24.3	0.84	0 - 19.3	0 - 19.3	19.3 - 24.3	1714.22	NA
SP-T02D	IV	35.18	1.65	0 - 35.18	0.84	0 - 30.18	0 - 30.18	30.18 - 35.18	1713.70	NA
SP-19A	OS	10	3	0 - 10	0.742	0 - 10	0 - 7	7 - 10	1334.79	NA
SP-19B	OS	18.8	2	0 - 18.8	0.742	0 - 18.8	0 - 16	16 - 18.8	1280.19	NA
SP-900A	OS	10	1.65	0 - 10	1/2	0 - 10	0 - 6	6 - 10	1460.64	NA

TABLE A-1
WELL CONSTRUCTION DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well Identifier	Area No.	Effective Borehole Depth (feet)	Borehole		Casing		Sealed Interval (feet)	Perforated Interval (feet)	Measuring Point Elevation (ft MSL)	Date Drilling Completed
			Diameter (inches)	Interval (feet)	Inside Diameter (inches)	Interval (feet)				
SP-900B	OS	18.4	1.65	0 - 18.4	1/2	0 - 18.4	0 - 16	16 - 18.41	1395.27	NA
SP-900C	OS	30.3	1.65	0 - 30.1	1/2	0 - 30.1	0 - 26.5	26.5 - 30.0	1395.27	NA
SP-424A	OS	8.8	1.65	0 - 8.8	1/2	0 - 8.8	0 - 3.3	3.3 - 8.8	1284.80	NA
SP-424B	OS	16.9	1.65	0 - 16.9	1/2	0 - 16.9	0 - 15	15 - 16.9	1284.00	NA
SP-424C	OS	19.6	1.65	0 - 19.6	1/2	0 - 19.6	0 - 16.6	16.6 - 19.6	1284.75	NA

Notes and Abbreviations:

Depth/intervals are measured in feet below land surface.

OS	Off-site	---	No casing installed over the borehole interval specified; open hole
UL-N	Undeveloped land in northern part of Facility	(v)	Top of well below land surface, installed inside zero-grade vault
UL-S	Undeveloped land in southern part of Facility	(WB)	Well completed with Westbay Multilevel System
NA	Not Available		

TABLE A-2a
CONSTRUCTION DETAILS OF PIEZOMETER MONITORING SYSTEMS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

PIEZOMETER ID	LOCATION					PIEZOMETER DESIGN DETAILS						
	Area	SWMU	Northing	Easting	MP Elevation	Date Drilled	Total Depth	Screened Interval	Sand Interval	Bentonite Interval	Grout Interval	Concrete Interval
			[feet]	[feet]	[feet]	[m/d/y]	[feet bgs]	[feet bgs]	[feet bgs]	[feet bgs]	[feet bgs]	[feet bgs]
PZ-005	IV	Central Area IV	266634.9	1784877.3	1800.97	11/7/2000	45.0	15-25	11.5-26.5	8.5-11.5	2-8.5	0-2
PZ-041	IV	PDU	267315.8	1785662.0	1809.10	1/16/2001	29.6	19-29	17-29.6	14-17	2-14	0-2
PZ-051	IV	EEL	266485.8	1785857.0	1770.87	12/14/2000	27.0	5-15	3-16	2-3	N/A	0-2
PZ-052	IV	Eastern Area IV	266742.1	1786103.7	1790.72	12/15/2000	30.0	18.9-28.9	17-30	14-17	2-14	0-2
PZ-055	IV	Eastern Area IV	267253.6	1787421.3	1818.40	1/2/2001	29.5	19-29	17-29.5	14-17	2-14	0-2
PZ-056	IV	OCY S	268068.7	1788028.0	1805.86	12/19/2000	28.0	17-27	13-28	10-13	2-10	0-2
PZ-097	UDL	FSDF	267048.9	1783400.3	1761.87	10/15/2001	44.5	33-43	31-44.5	11.5-28	2-11.5	0-2
PZ-098	IV	FSDF	266788.9	1783488.8	1797.78	10/16/2001	37.5	24-34	21.5-37.5	19-21.5	2-19	0-2
PZ-099	IV	FSDF	Abandoned in place in 2006									
PZ-100	IV	FSDF	266078.3	1782962.2	1870.11	10/17/2001	16.5	5.67-15.67	4.67-16.5	2-4.67	N/A	0-2
PZ-101	IV	FSDF	266057.5	1783090.6	1869.71	10/17/2001	27	10-20	7-27	5-7	1.75-5	0-1.75
PZ-102	IV	Central Area IV	267080.8	1784684.4	1827.78	10/18/2001	59.2	48.5-59.2	45-59.2	43-45	2-43	0-2
PZ-103	IV	Central Area IV	266281.2	1784400.9	1815.93	10/22/2001	39	28.5-38.5	26-39	23.5-26	2-23.5	0-2
PZ-104	IV	Central Area IV	266270.2	1784924.2	1797.47	10/22/2001	38.5	18-28	16-30	13-16	2-13	0-2
PZ-105	IV	Central Area IV	265935.5	1784787.9	1803.87	10/23/2001	28	17-27	15-28	12-15	2-12	0-2
PZ-106	IV	EEL	266411.9	1785469.6	1784.17	10/23/2001	35	18-28	16-30.5	12.75-16	2-12.75	0-2
PZ-107	IV	Eastern Area IV	266876.4	1785822.0	1793.62	10/24/2001	11	5-10	4-11	2-4	N/A	0-2
PZ-108	IV	HMSA	268032.6	1785076.3	1809.36	10/24/2001	30	16-26	13-28.5	10-13	2-10	0-2
PZ-109	IV	Central Area IV	267332.4	1785248.2	1809.51	10/25/2001	36.5	25-35	22-36.5	19-22	2-19	0-2
PZ-110	IV	Eastern Area IV	267204.0	1786209.6	1818.90	10/25/2001	17.5	7-17	5-17.5	2-5	N/A	0-2
PZ-111	IV	Eastern Area IV	266948.4	1786433.9	1794.90	10/26/2001	20.0	7.5-17.5	5-20	N/A	N/A	N/A
PZ-112	IV	Eastern Area IV	267435.9	1786720.8	1829.14	10/26/2001	35.0	24-34	22-35	19-22	2-19	0-2
PZ-113	IV	Eastern Area IV	267682.9	1787367.8	1823.68	10/29/2001	15.0	7-15	5-15	2-5	N/A	0-2
PZ-114	IV	Old Con Yard S	268304.0	1787913.1	1818.19	10/30/2001	48.2	37-47	35-48.2	32-35	2-32	0-2
PZ-115	IV	Eastern Area IV	268006.8	1787536.5	1817.81	10/30/2001	40	25.5-37.5	25-40	22-25	2-22	0-2
PZ-116	UDL	RMHF	266501.1	1783693.0	1827.78	10/31/2001	34	22-32	20-34	17-20	2-17	0-2
PZ-120	IV	HMSA / SCTI	267230.1	1785009.7	1810.96	3/18/2003	26	15-25	12-26	9-12	2-9	0-2
PZ-121	IV	HMSA / SCTI	267491.6	1785120.7	1808.98	3/19/2003	33	15-25	12-28	8.4-12; 28-33	1.5-8.4	0-1.5
PZ-122	IV	HMSA / SCTI	267091.9	1785176.5	1810.80	3/19/2003	27.5	15.5-25.5	12-27.5	9-12	2-9	0-2
PZ-124	IV	B056 Landfill	267166.7	1784015.9	1764.11	3/21/2003	31	14.7-24.7	11.3-31	8.3-11.3	1-8.3	0-1

Notes and Abbreviations:

The difference between the total depth and the bottom of the sand interval was filled with sloughed native material and/or bentonite.
[a] The screen for this port is perpendicular to the well casing and covers the open bottom end; therefore, the screened section is a discrete depth.
bgs - below ground surface
MP - Measuring point
UDL - undeveloped land
N/A - not applicable

TABLE A-2b
CONSTRUCTION DETAILS OF PIEZOMETER MONITORING SYSTEMS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Well ID	Northing (feet)	Easting (feet)	Surface Elevation (feet amsl)	TOC Elevation (feet amsl)	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Depth Drilled (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)	Wellhead Completion	Drilling Method	Driller
PZ-150	268281.654	1786086.776	1849.92	1852.23	17.5	27.5	27.5	27.5	10 5/8	4	SCH40 PVC	0.02	SCH40 PVC	#3	14.5	27.5	Cement-Bentonite Grout	11	14.5	Monument	Air Rotary	WDC
PZ-151	268743.1285	1787988.758	1860.4	1862.60	69.5	79.5	80	82	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	64	80	Cement-Bentonite Grout Bentonite chips # 60 Sand Bentonite chips	2 52 62 80	52 62 64 82	Monument	CME-85 HSA/HQ w/carbide bit	WDC
PZ-160	268345.039	1786286.124	1849.14	1851.41	17.0	27.0	27	27	10 5/8	4	SCH40 PVC	0.02	SCH40 PVC	#3	14	27	Cement-Bentonite Grout	1	14	Monument	Air Rotary	WDC
PZ-161	268418.806	1786132.353	1850.00	1852.23	18	28	28	28	10 5/8	4	SCH40 PVC	0.02	SCH40 PVC	#3	15	28	Cement-Bentonite Grout	1	15	Monument	Air Rotary	WDC
PZ-162	267406.770	1785109.590	1811.79	1814.26	31	41	41	41.8	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	27	41	Cement-Bentonite Grout	1	27.5	Monument	HSA	BC2
PZ-163	267277.940	1785109.590	1811.17	1814.03	30	30	40	40	10 5/8	4	SCH40 PVC	0.02	SCH40 PVC	#3	27.5	40	Cement-Bentonite Grout	1	27	Monument	HSA	BC2
PZ-164	267391.521	1785423.72	1810.90	1813.33	25	35	36	36	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	22.5	36	Cement-Bentonite Grout	17.0	22.5	Monument	HSA	BC2
PZ-165	267322.518	1785041.88	1811.73	1814.45	16.5	26.6	26.5	26.5	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	14.5	26.5	Cement-Bentonite Grout	9.3	14.5	Monument	HSA	BC2
PZ-166	267295.126	1784883.76	1812.03	1814.66	15	25	25	25	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	12.5	25	Cement-Bentonite Grout	7.5	12.5	Monument	HSA	BC2
PZ-167	267196.278	1784940.5	1810.98	1813.41	16.5	26.6	26.5	26.5	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	13.5	26.5	Cement-Bentonite Grout	8.2	13.5	Monument	HSA	BC2
PZ-168	267107.039	1785022.54	1809.46	1812.23	15	25	25	25	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	13	25	Cement-Bentonite Grout	8.0	13.0	Monument	HSA	BC2
PZ-169	267153.091	1785150.03	1810.74	1813.02	16.5	26.6	26.5	26.5	8	2	SCH40 PVC	0.02	SCH40 PVC	#3	13.5	26.5	Cement-Bentonite Grout	8.5	13.5	Monument	HSA	BC2

APPENDIX B
Precipitation Data

Table B-1 Summary of Annual Rainfall Measured at the Santa Susana Field Laboratory

Figure B-1 Annual Precipitation at SSFL, 1960 through 2024

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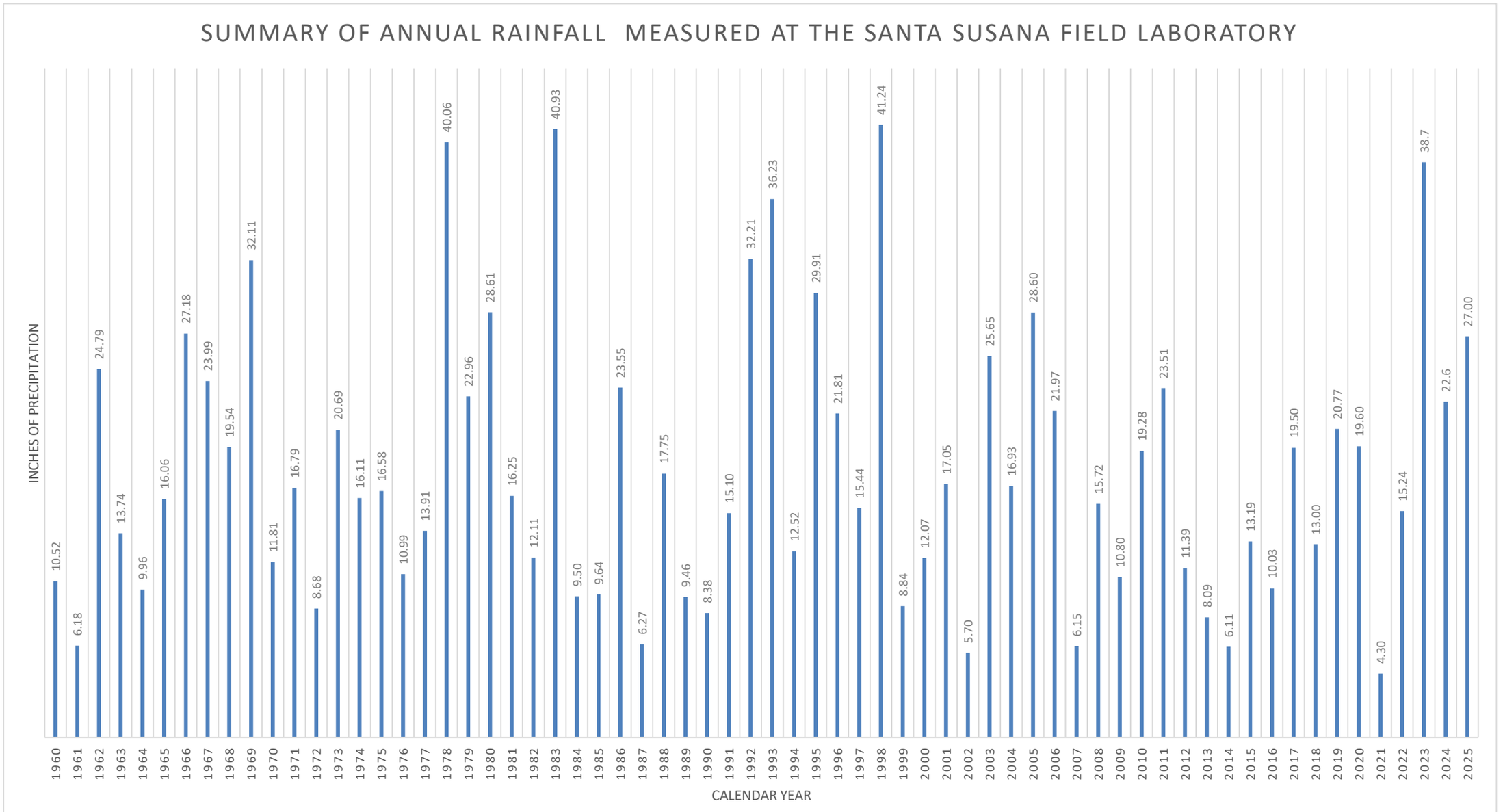
TABLE B-1
SUMMARY OF ANNUAL RAINFALL
MEASURED AT THE SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Water Year Ending in	Precipitation (inches)	Water Year Ending in	Precipitation (inches)
1960	10.52	1993	36.23
1961	6.18	1994	12.52
1962	24.79	1995	29.91
1963	13.74	1996	21.81
1964	9.96	1997	15.44
1965	16.06	1998	41.24
1966	27.18	1999	8.84
1967	23.99	2000	12.07
1968	19.54	2001	17.05
1969	32.11	2002	5.70
1970	11.81	2003	25.65
1971	16.79	2004	16.93
1972	8.68	2005	28.60
1973	20.69	2006	21.97
1974	16.11	2007	6.15
1975	16.58	2008	15.72
1976	10.99	2009	10.80
1977	13.91	2010	19.28
1978	40.06	2011	23.51
1979	22.96	2012	11.39
1980	28.61	2013	8.09
1981	16.25	2014	6.11
1982	12.11	2015	13.19
1983	40.93	2016	10.03
1984	9.50	2017	19.50
1985	9.64	2018	13.00
1986	23.55	2019	20.77
1987	6.27	2020	19.60
1988	17.75	2021	4.30
1989	9.46	2022	15.24
1990	8.38	2023	38.70
1991	15.10	2024	22.60
1992	32.21	2025	27.00
Average Annual Precipitation (1960-2025) =		**18.05**	

NOTE: Precipitation reported annually for the period of October through September of the calendar year indicated.


SUMMARY OF ANNUAL RAINFALL MEASURED AT THE SANTA SUSANA FIELD LABORATORY
INCHES OF PRECIPITATION
CALENDAR YEAR
1960 10.52
1961 6.18
1962 24.79
1963 13.74
1964 9.96
1965 16.06
1966 27.18
1967 23.99
1968 19.54
1969 32.11
1970 11.81
1971 16.79
1972 8.68
1973 20.69
1974 16.11
1975 16.58
1976 10.99
1977 13.91
1978 40.06
1979 22.96
1980 28.61
1981 16.25
1982 12.11
1983 40.93
1984 9.50
1985 9.64
1986 23.55
1987 6.27
1988 17.75
1989 9.46
1990 8.38
1991 15.10
1992 32.21
1993 36.23
1994 12.52
1995 29.91
1996 21.81
1997 15.44
1998 41.24
1999 8.84
2000 12.07
2001 17.05
2002 5.70
2003 25.65
2004 16.93
2005 28.60
2006 21.97
2007 6.15
2008 15.72
2009 10.80
2010 19.28
2011 23.51
2012 11.39
2013 8.09
2014 6.11
2015 13.19
2016 10.03
2017 19.50
2018 13.00
2019 20.77
2020 19.60
2021 4.30
2022 15.24
2023 38.70
2024 22.60
2025 27.00

APPENDIX C
Water Level Hydrographs

List of Hydrographs

FSDF
RD-21

B4100 Trench
RD-20

Bldg 56 Landfill
RD-07

HMSA/PDU
RD-29

Tritium Plume
RD-90
RD-95

RMHF
RD-30
RD-63

Old Conservation Yard
RD-14

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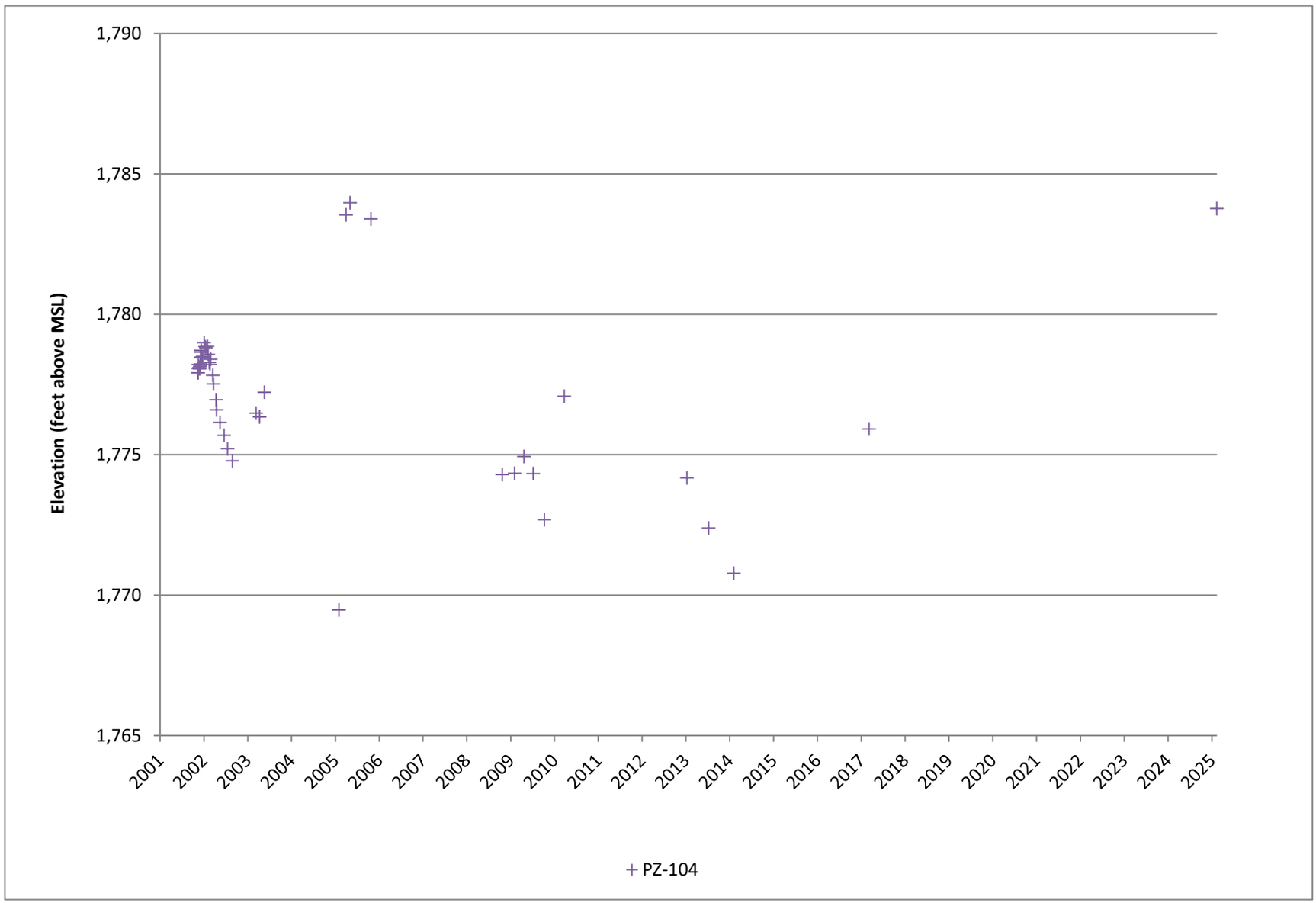
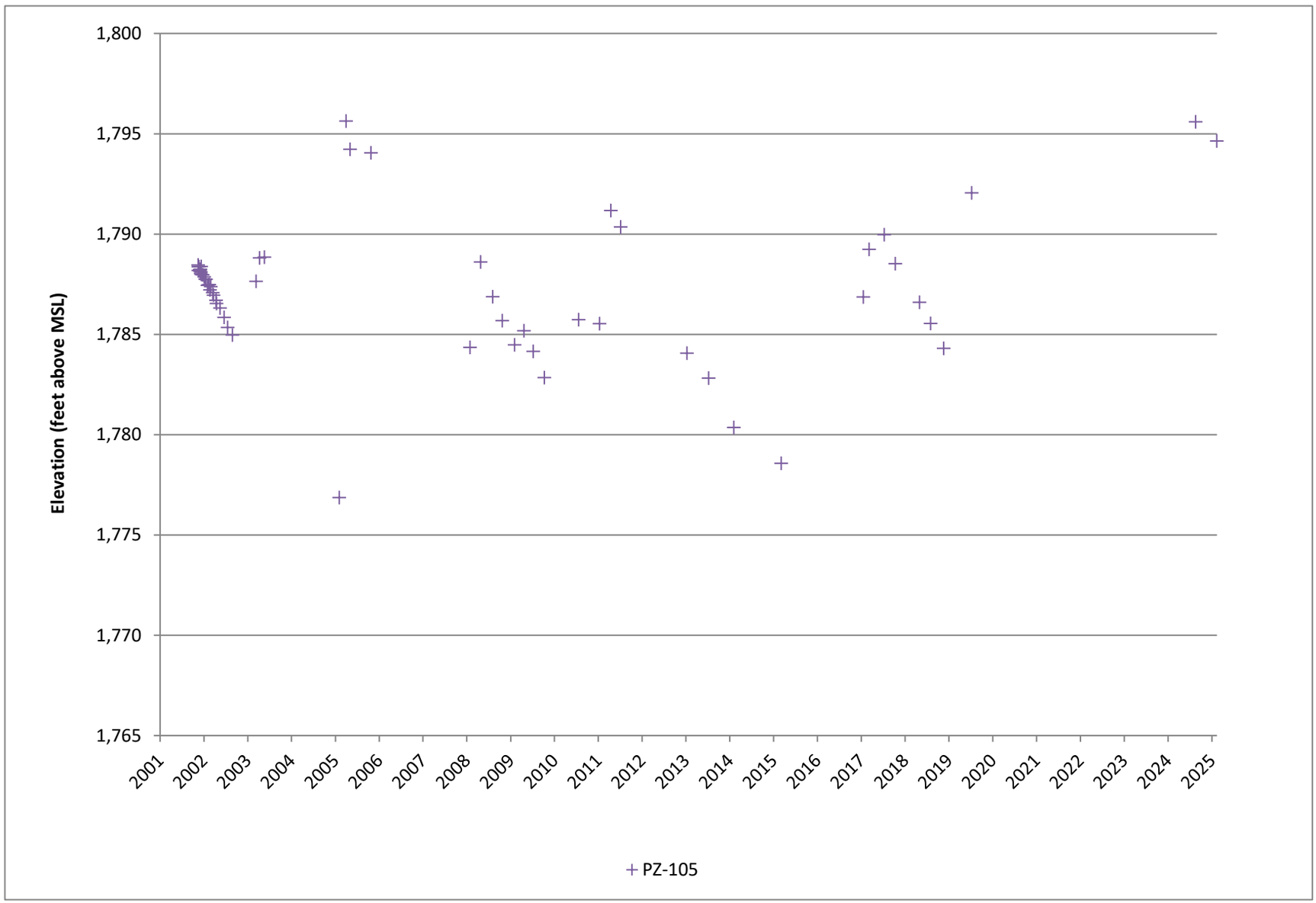
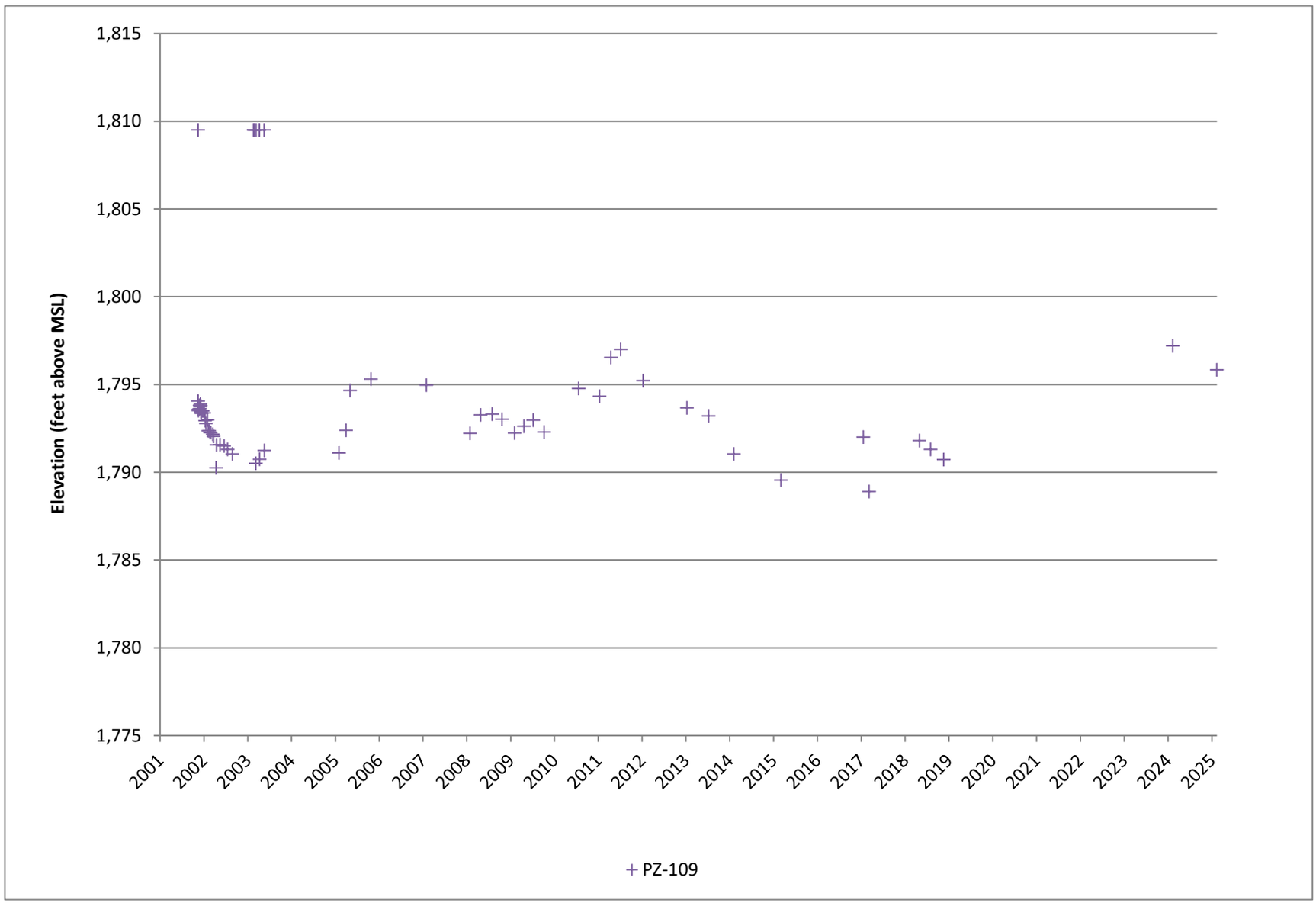
PZ-104, Metals Clarifier/DOE LF3
Hydrograph



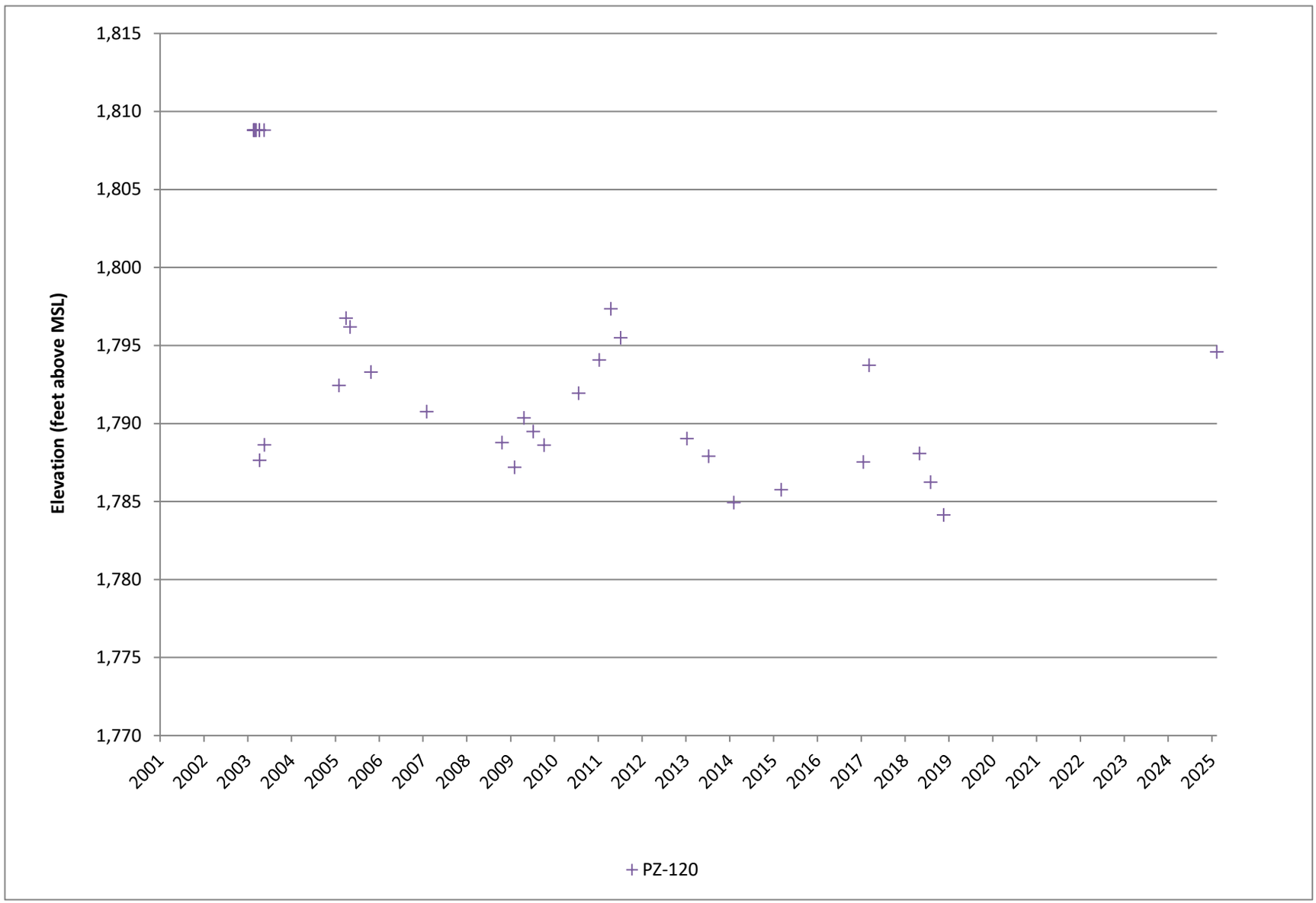
PZ-105, Bldg 65 Metals Clarifier
Hydrograph



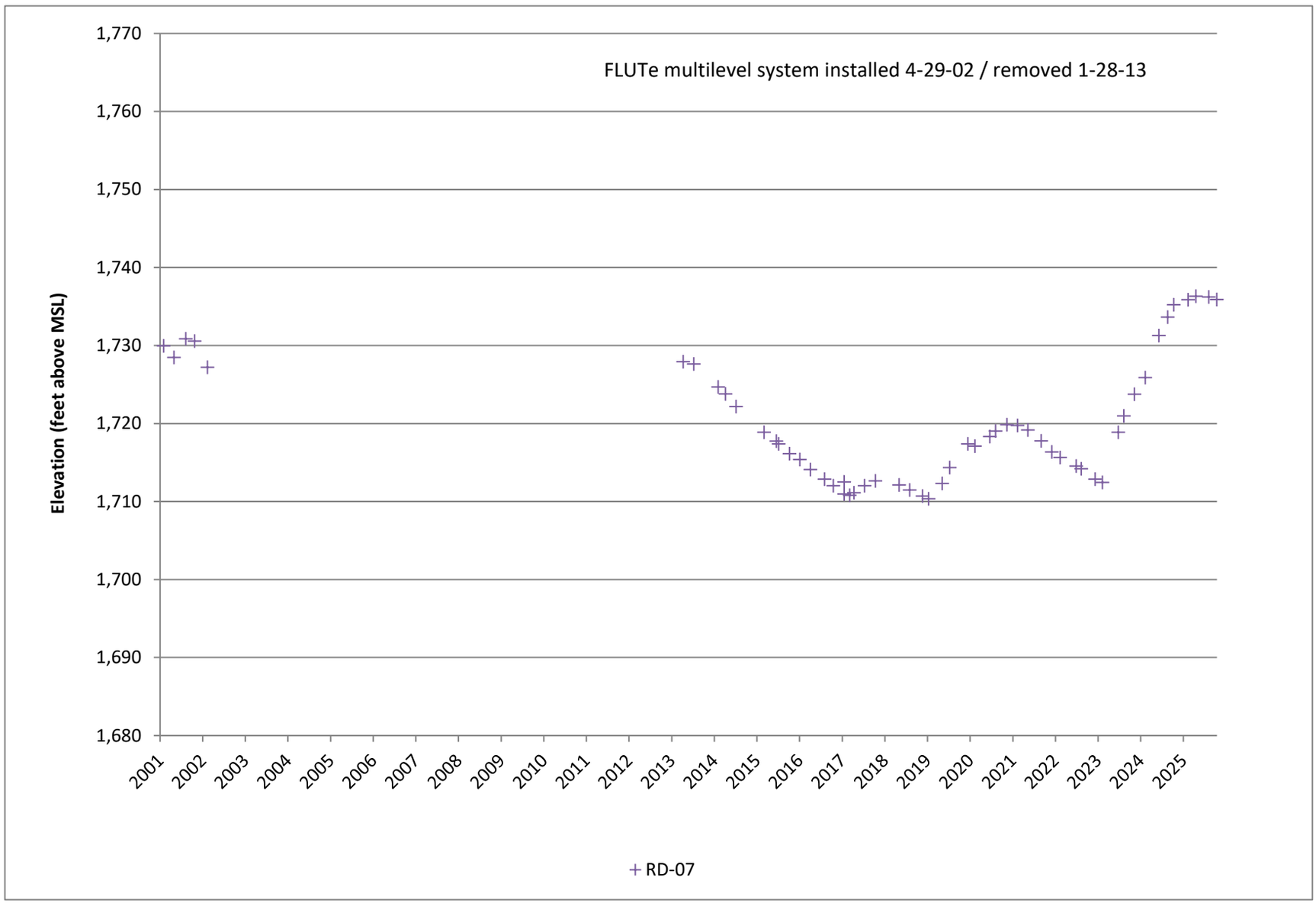
PZ-109, B4057/4059/4626
Hydrograph



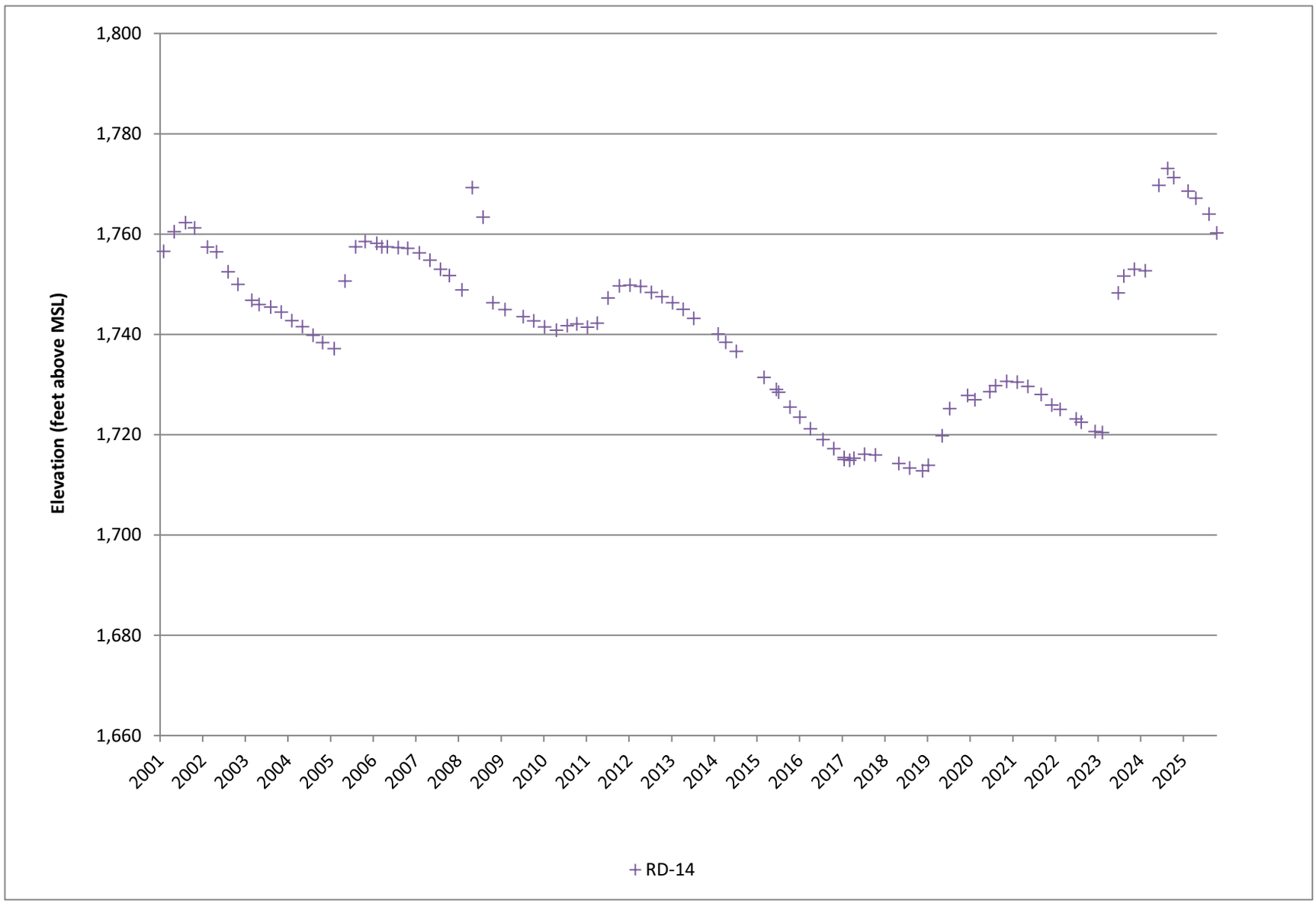
PZ-120, HMSA
Hydrograph



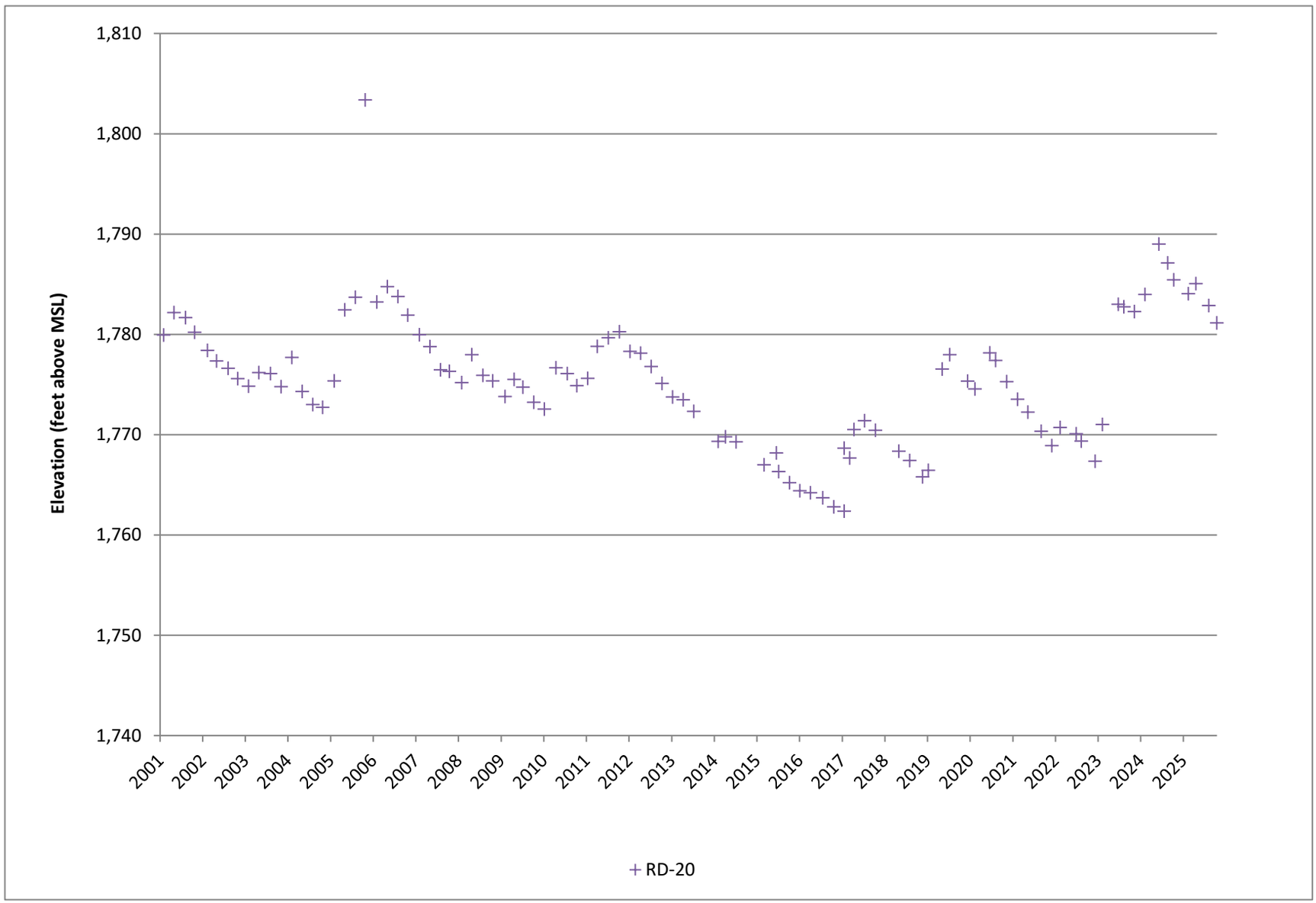
RD-07, Bldg 56 Landfill
Hydrograph



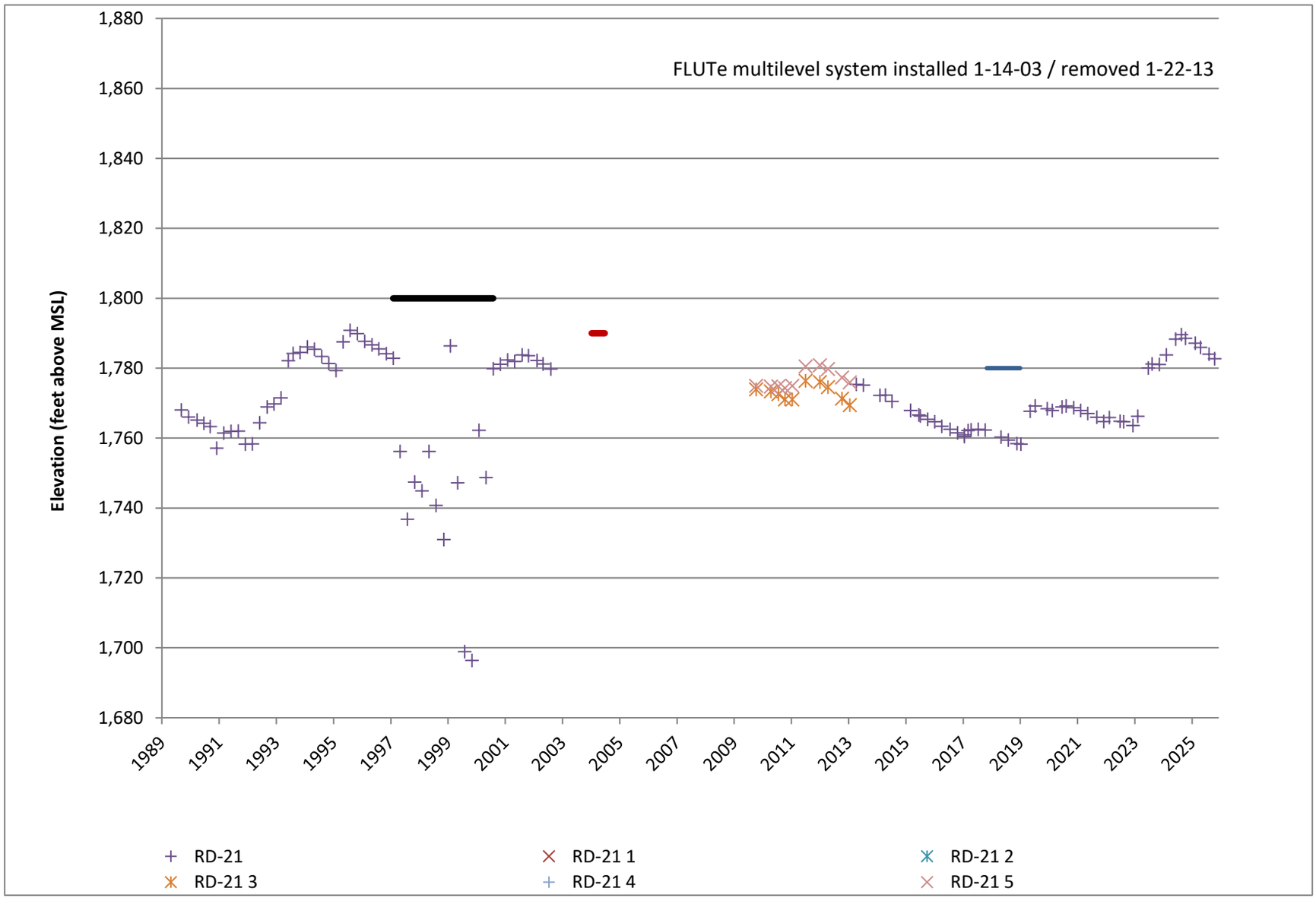
RD-14, OCY
Hydrograph



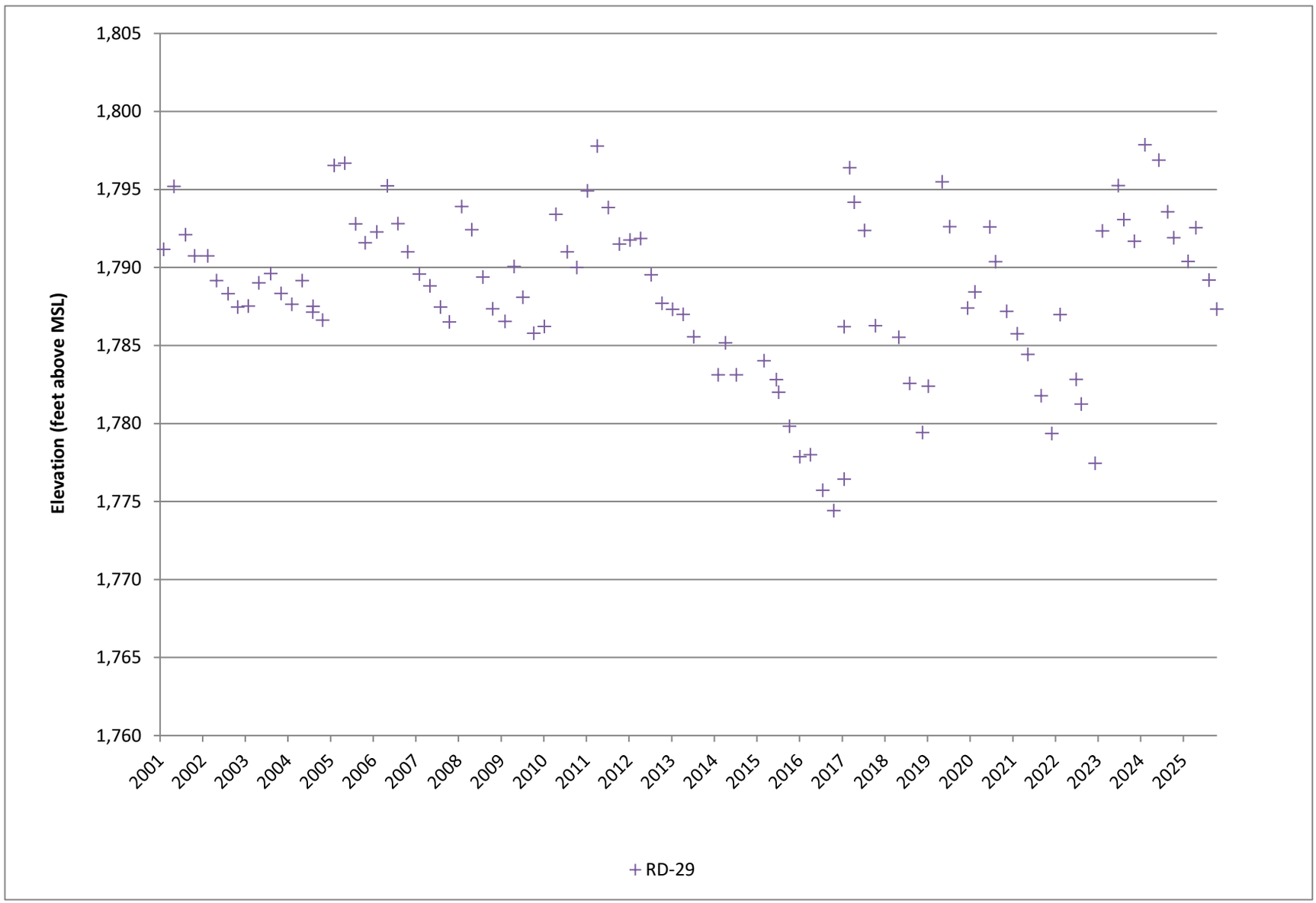
RD-20, B4100 Trench
Hydrograph



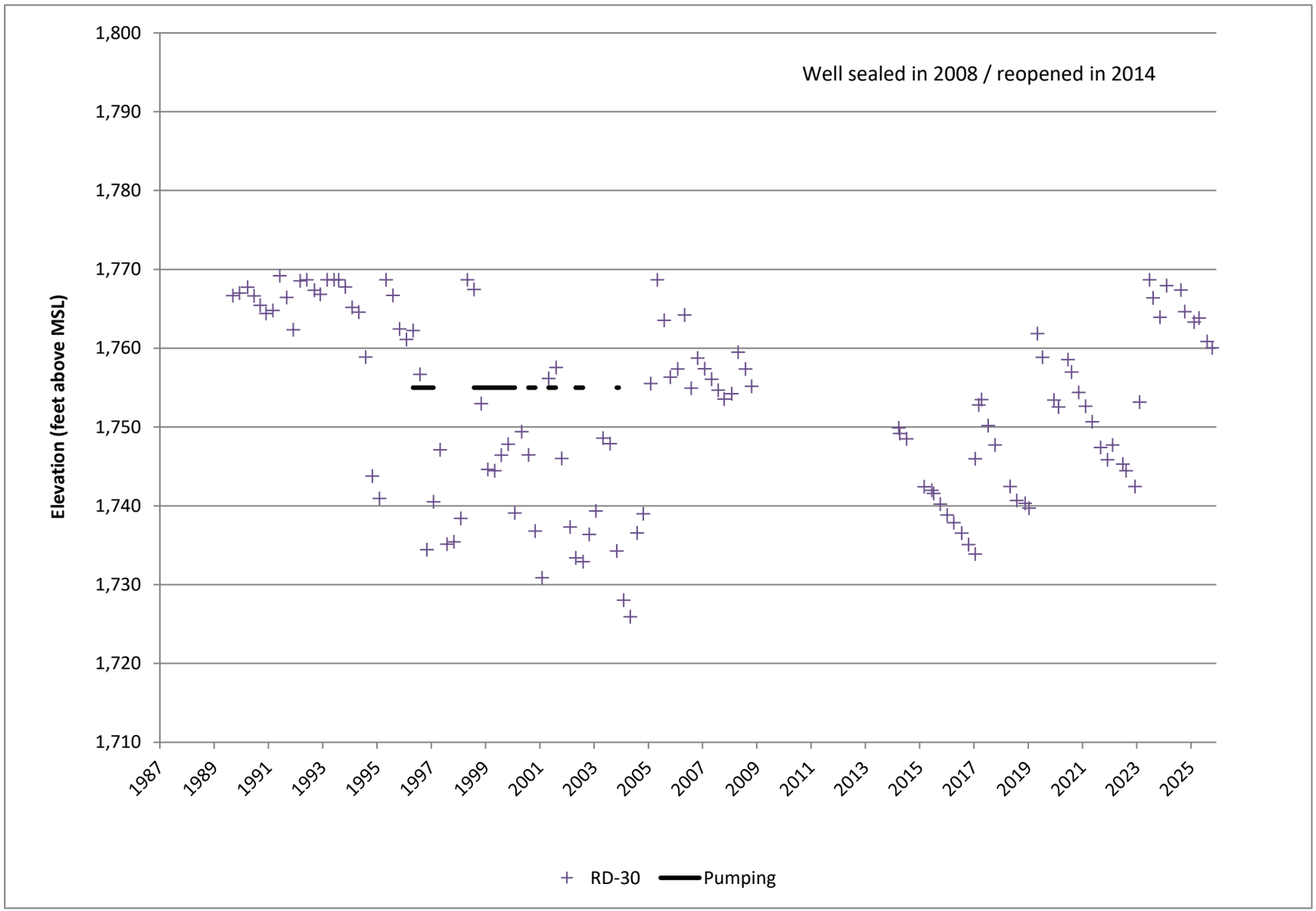
RD-21, FSDF
Hydrograph



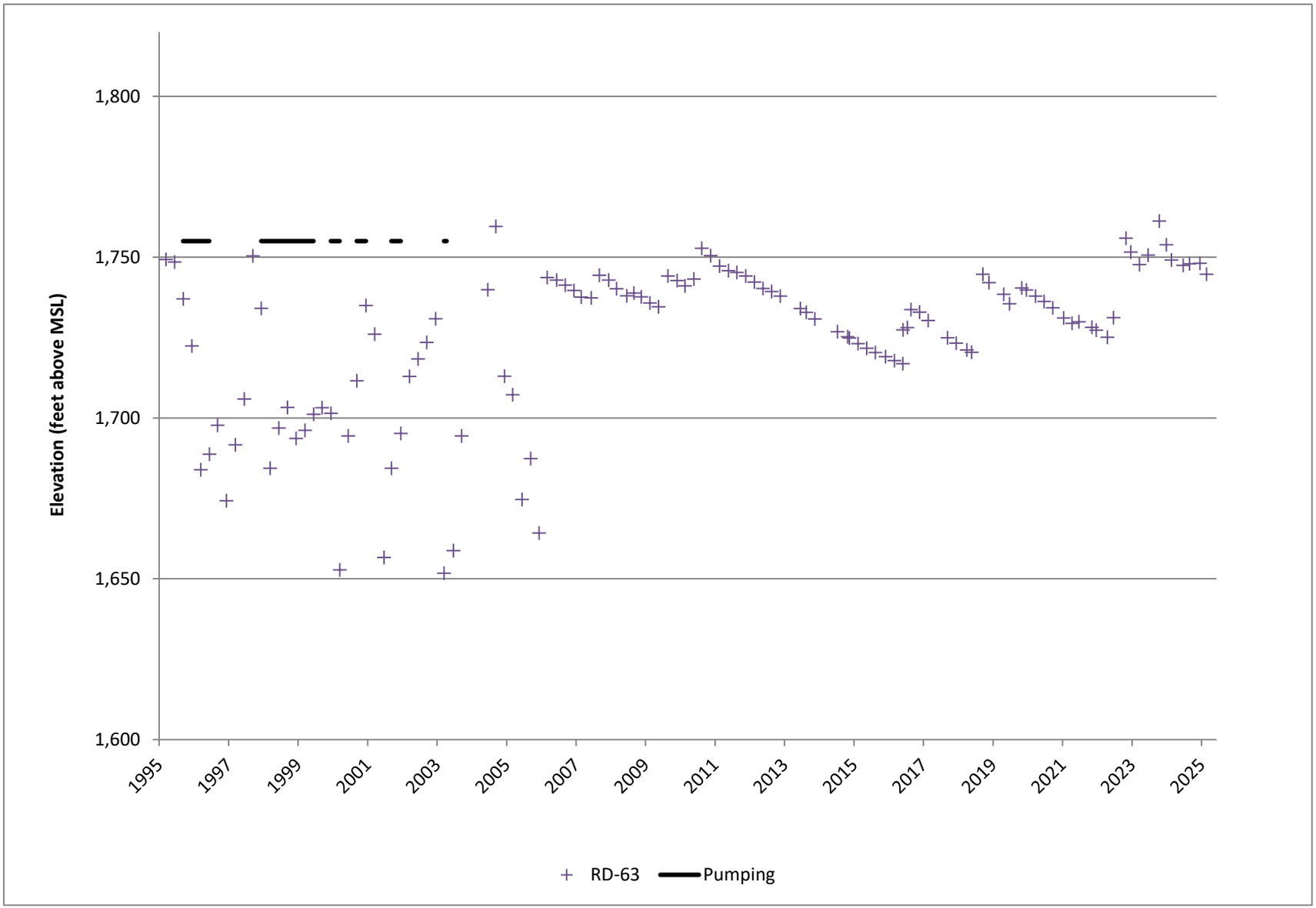
RD-29, B4457 HMSA
Hydrograph



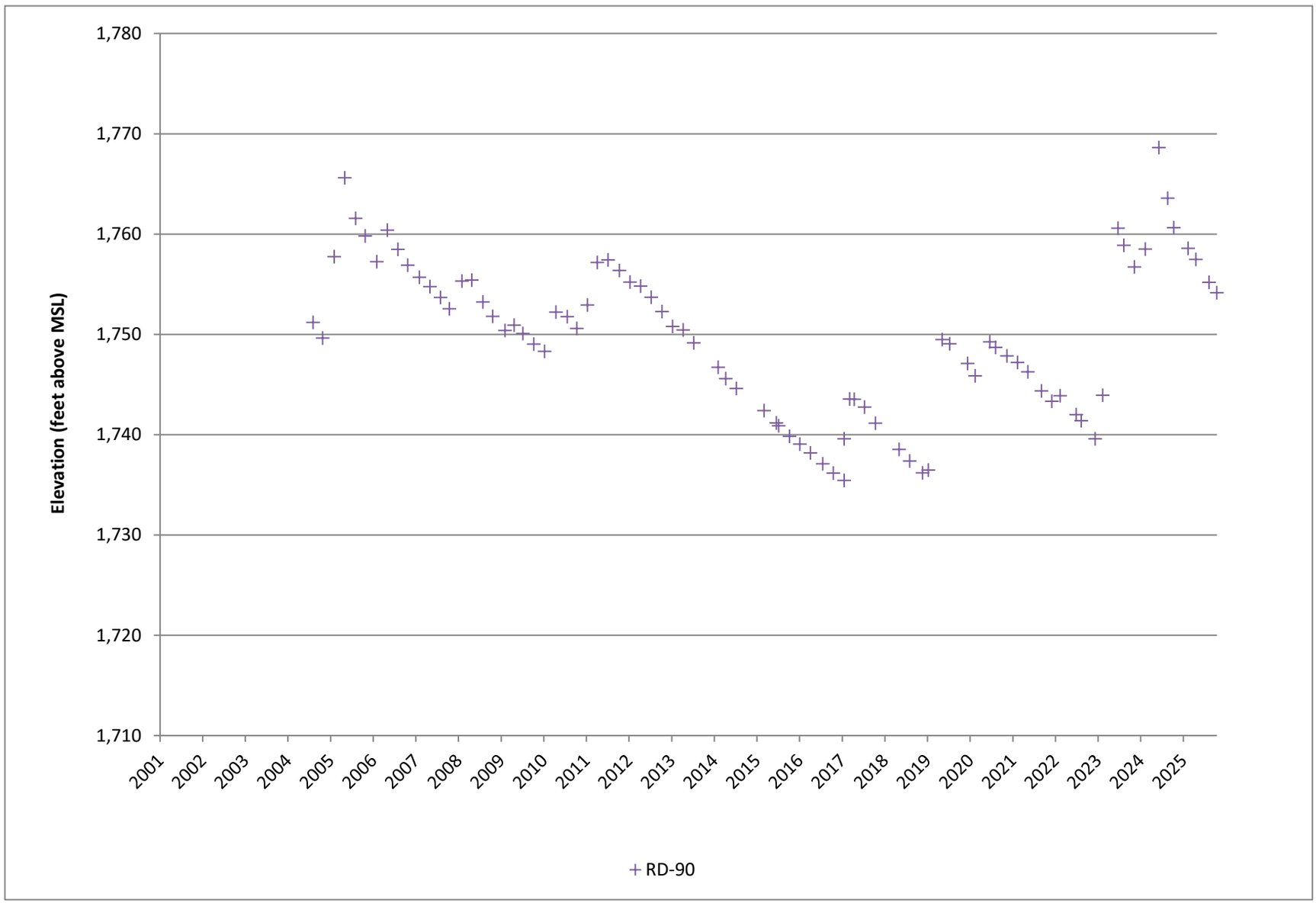
RD-30, RMHF
Hydrograph



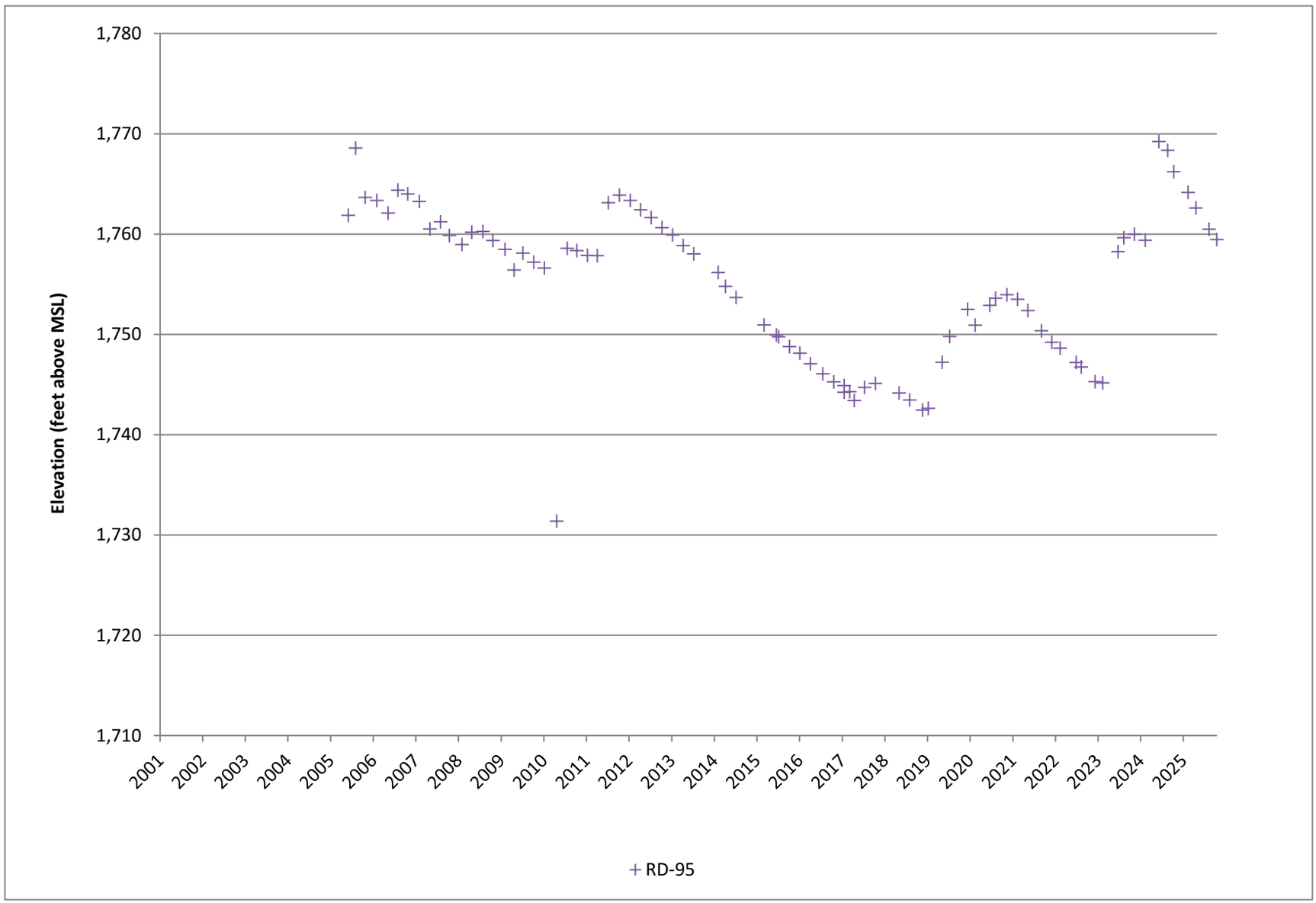
RD-63, RMHF
Hydrograph



RD-90, Tritium Plume
Hydrograph



RD-95, Tritium Plume
Hydrograph



APPENDIX D
Time Series Plots of Analytical Data

Time series plots for trichloroethene (TCE), perchlorate, and tritium are presented in this appendix. Only primary sample results for the following wells are presented in the plots.

TCE

FSDF/ESADA
RD-21
RD-33A
RD-33B
RD-33C
RD-54A
RD-54B
RD-54C
RD-64
RD-65
RS-18
RS-54

RMHF
RD-30
RD-34A
RD-34B
RD-34C
RD-63
RD-98
RS-28

Bldg 65 Metals Clarifier
PZ-005
PZ-104
PZ-105

TCE (continued)

Bldg 56 Landfill
RD-07

HMSA/PDU
PZ-108
PZ-120

B4057/4059/4626
PZ-109

OCY
RD-14

Bldg 4100 Trench
RD-20

Bldg 4133
RD-19

Off-site
RD-59A
RD-59B
RD-59C

Perchlorate

FSDF/ESADA
RD-21
RD-54A
RS-18
RS-54

Tritium Plume

RD-34A
RD-88
RD-90
RD-93
RD-94
RD-95

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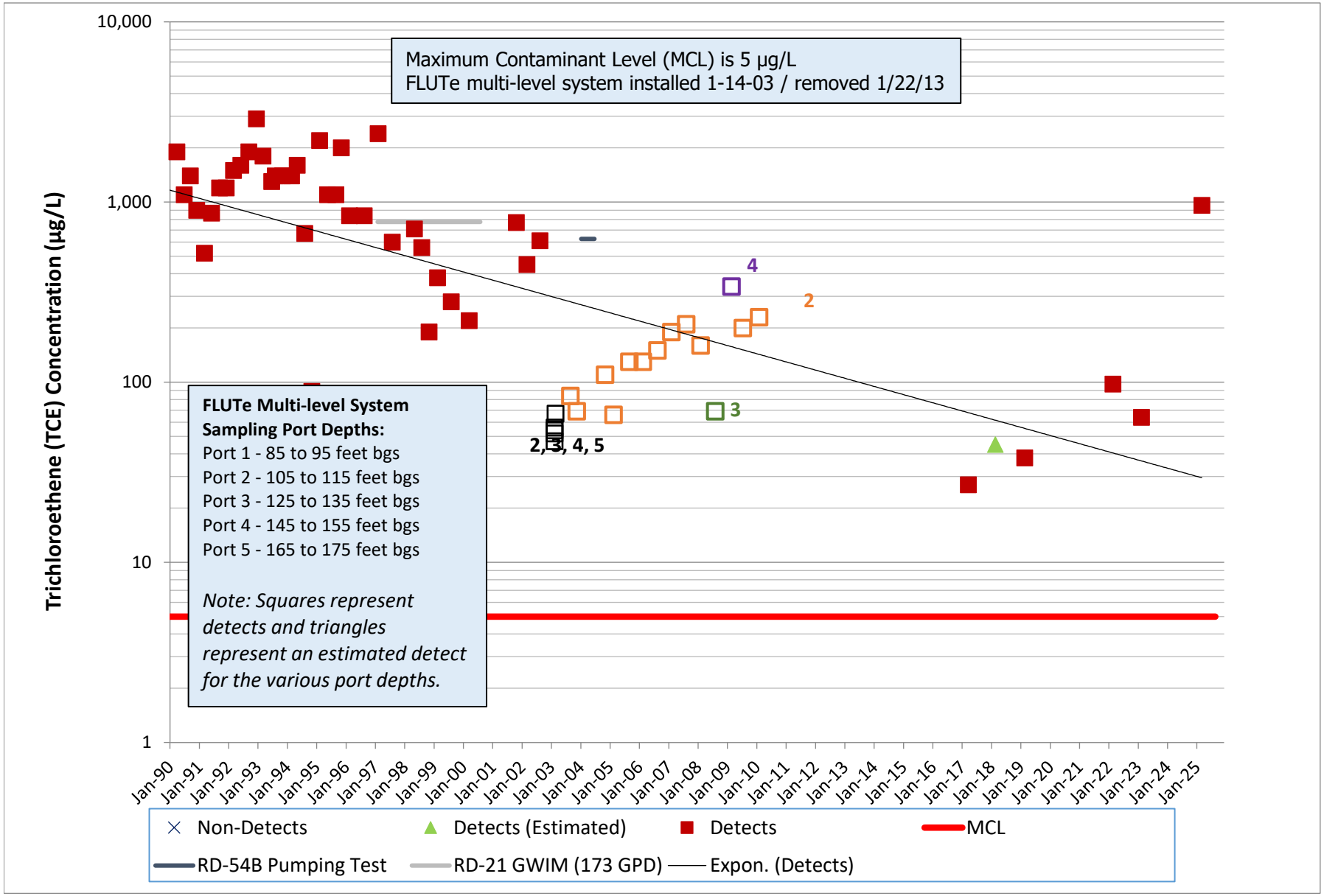
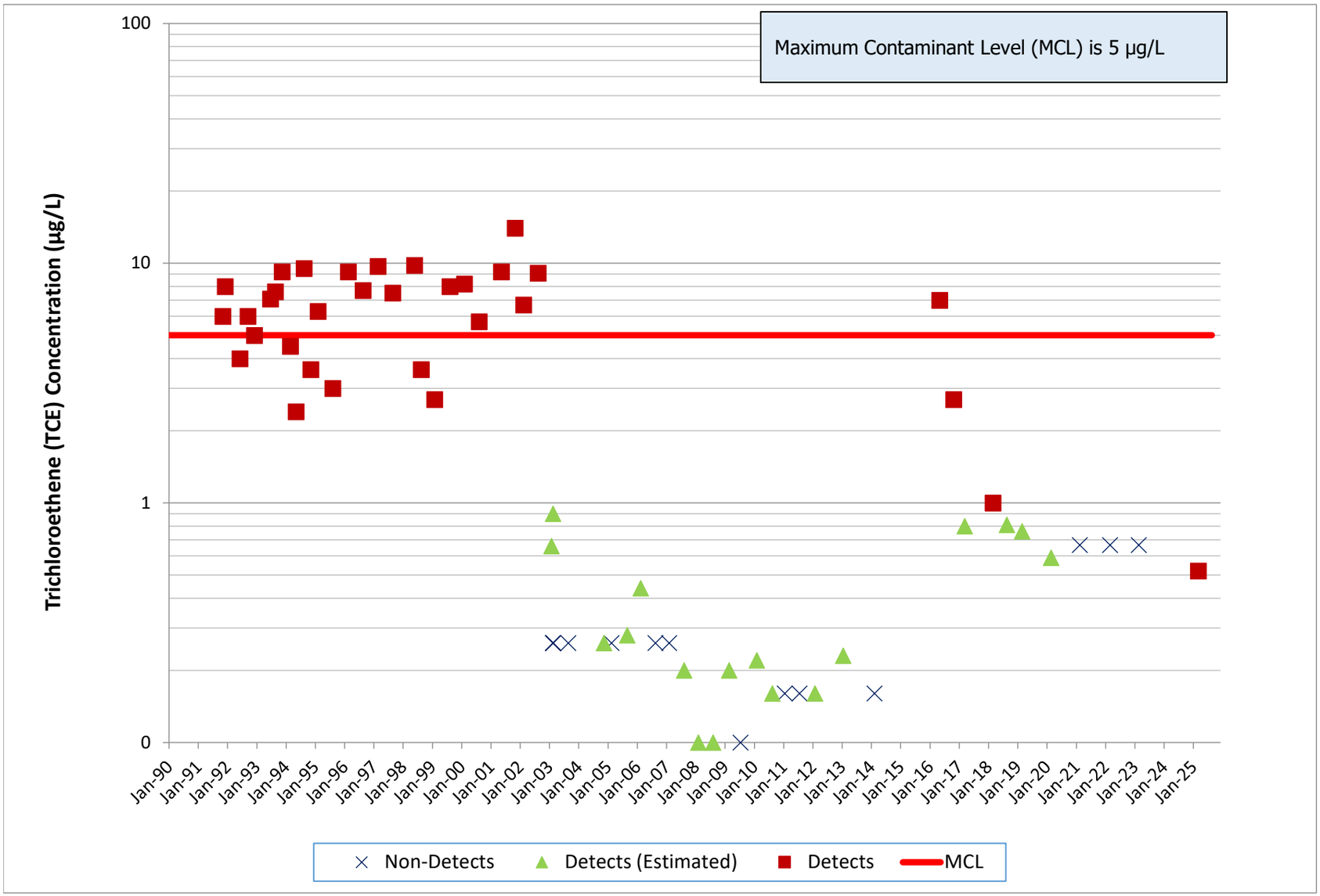
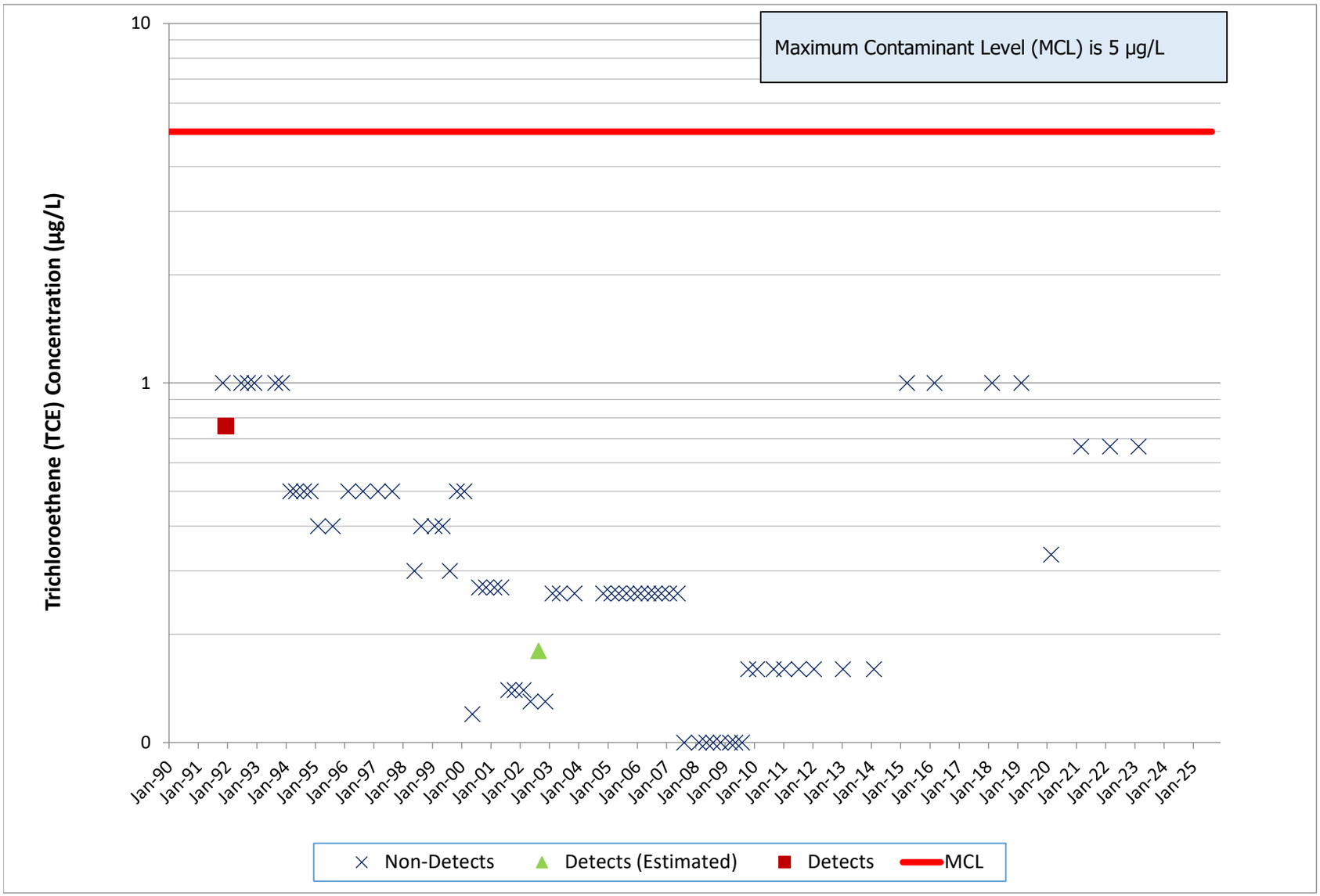
RD-21, FSDF/ESADA
Trichloroethene



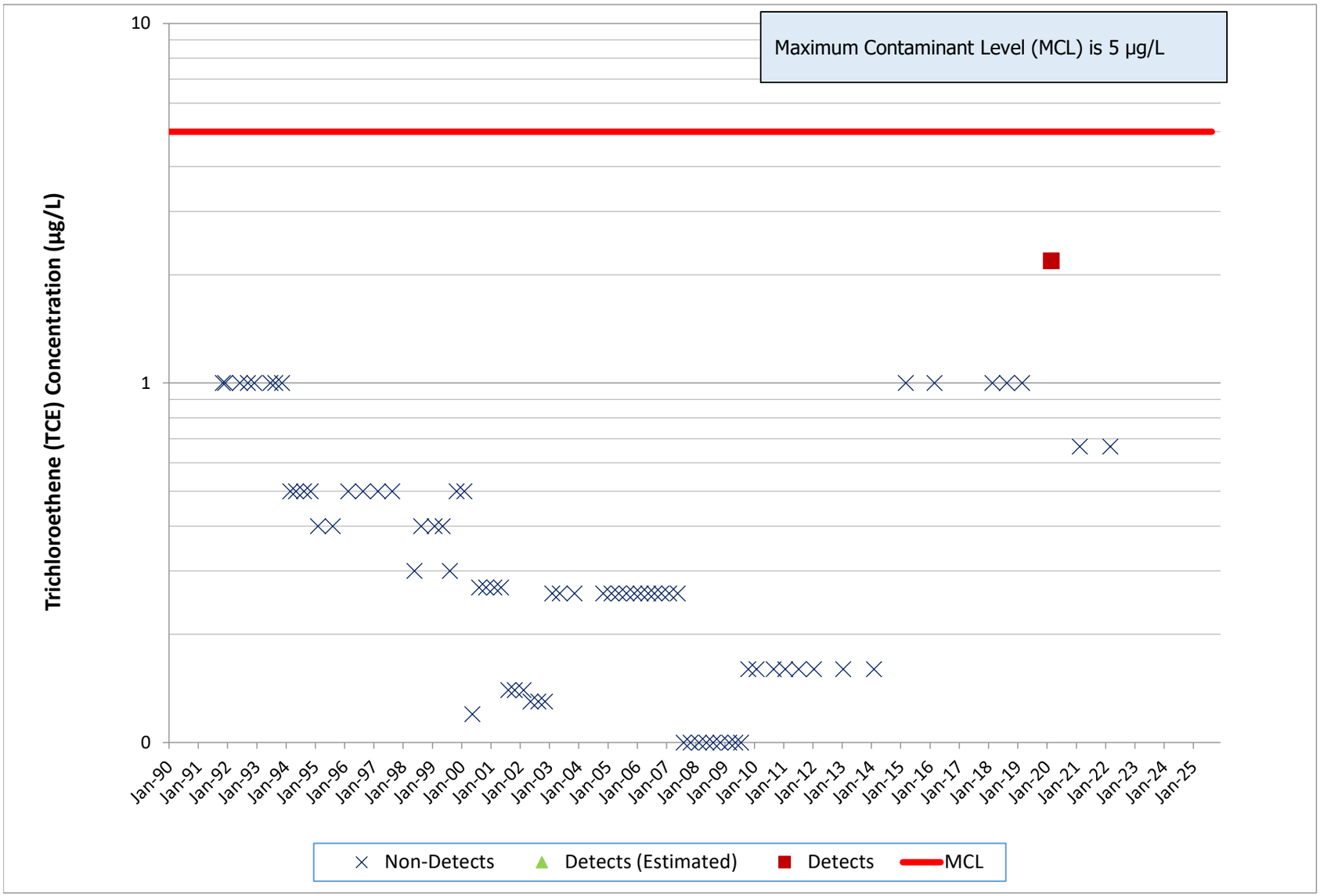
RD-33A, FSDF/ESADA
Trichloroethene



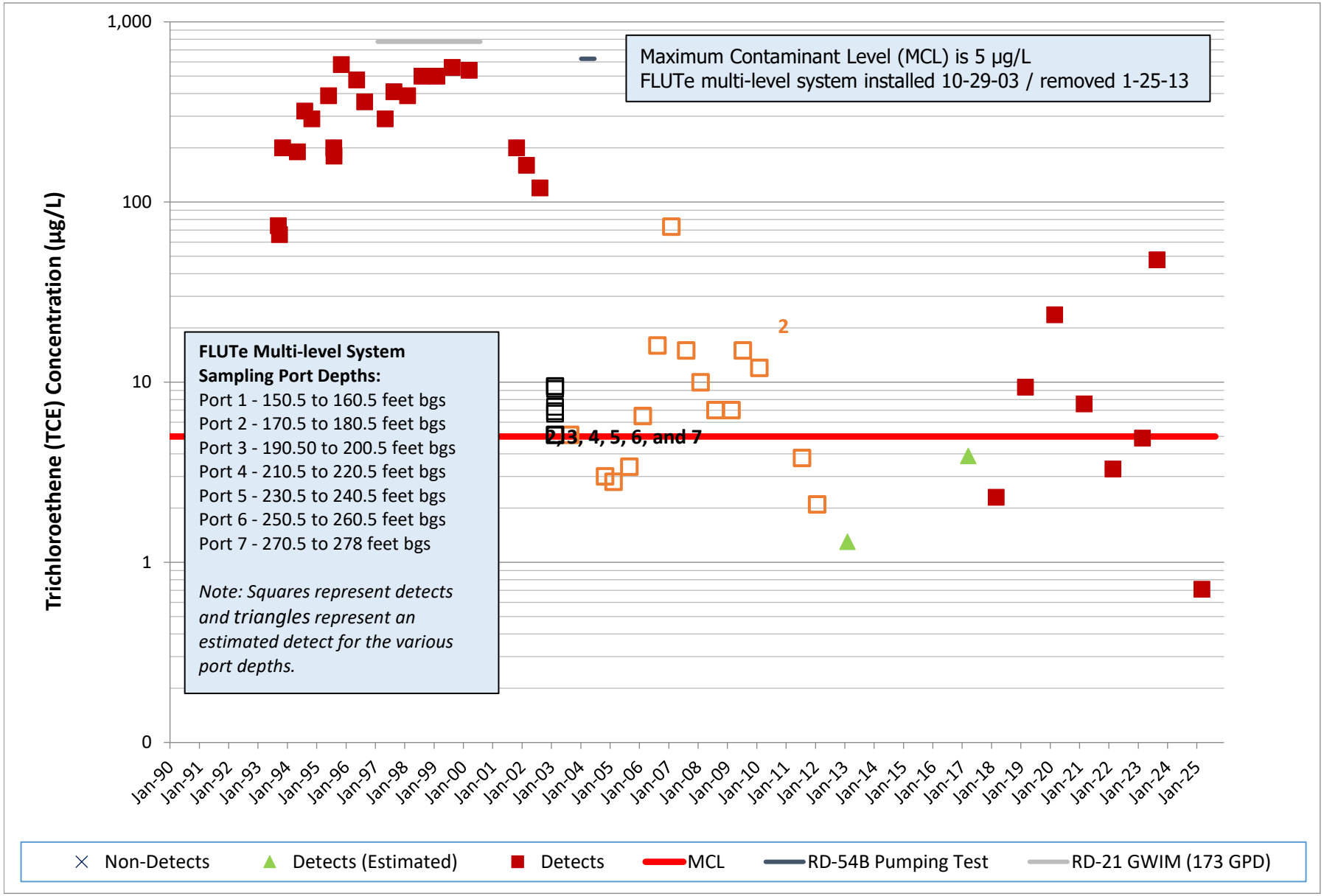
RD-33B, FSDF/ESADA
Trichloroethene



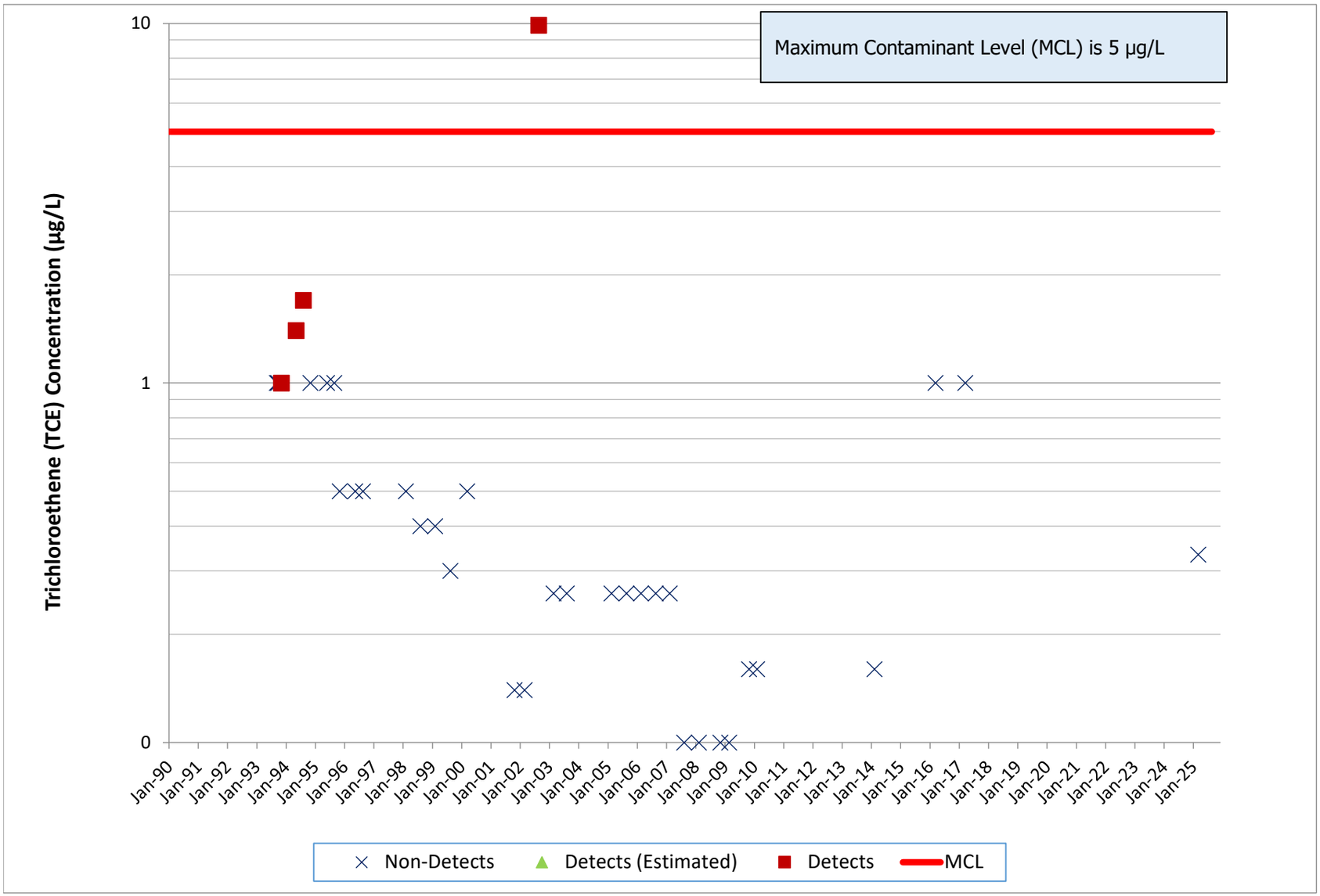
RD-33C, FSDF/ESADA
Trichloroethene



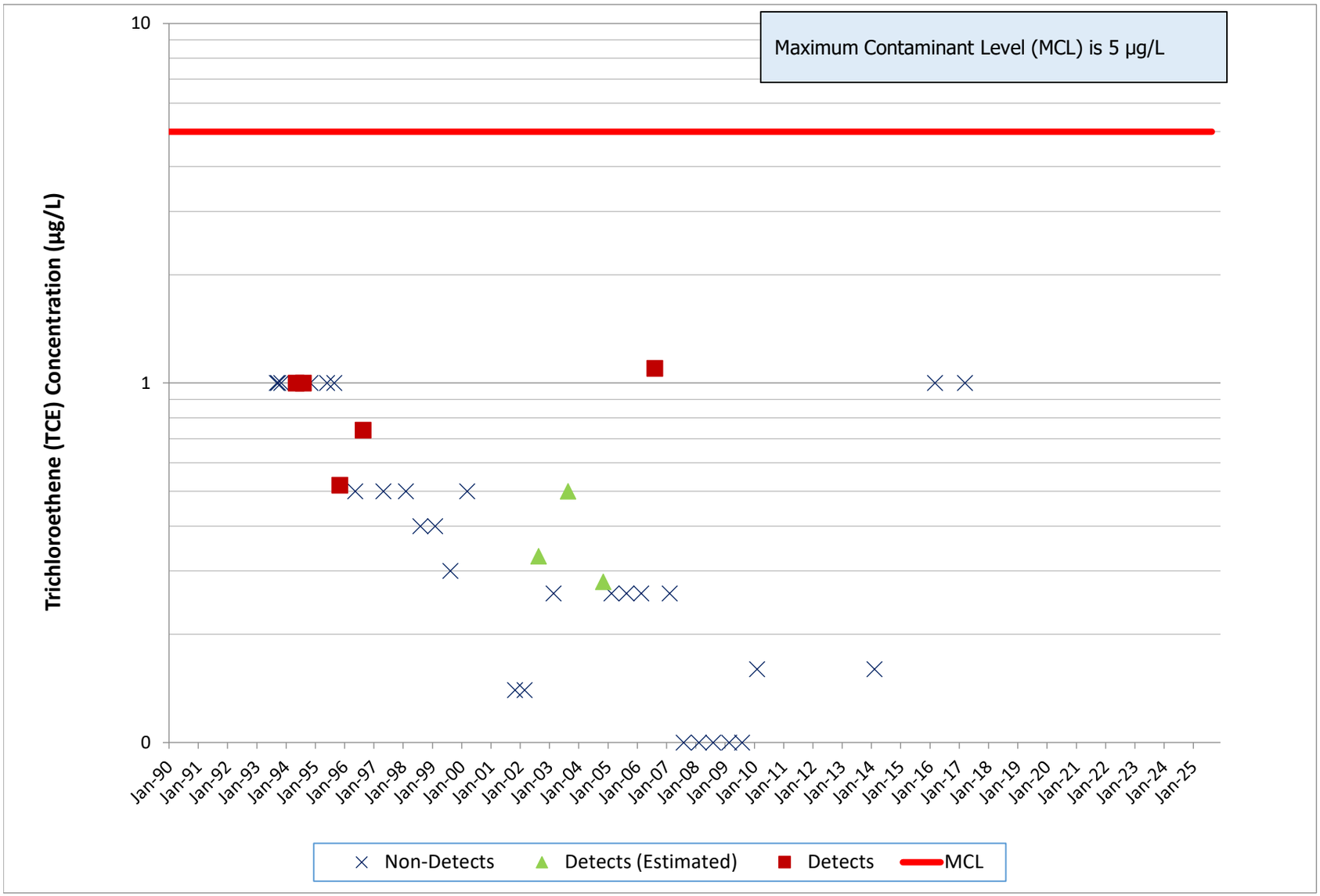
RD-54A FSDF/ESADA
Trichloroethene



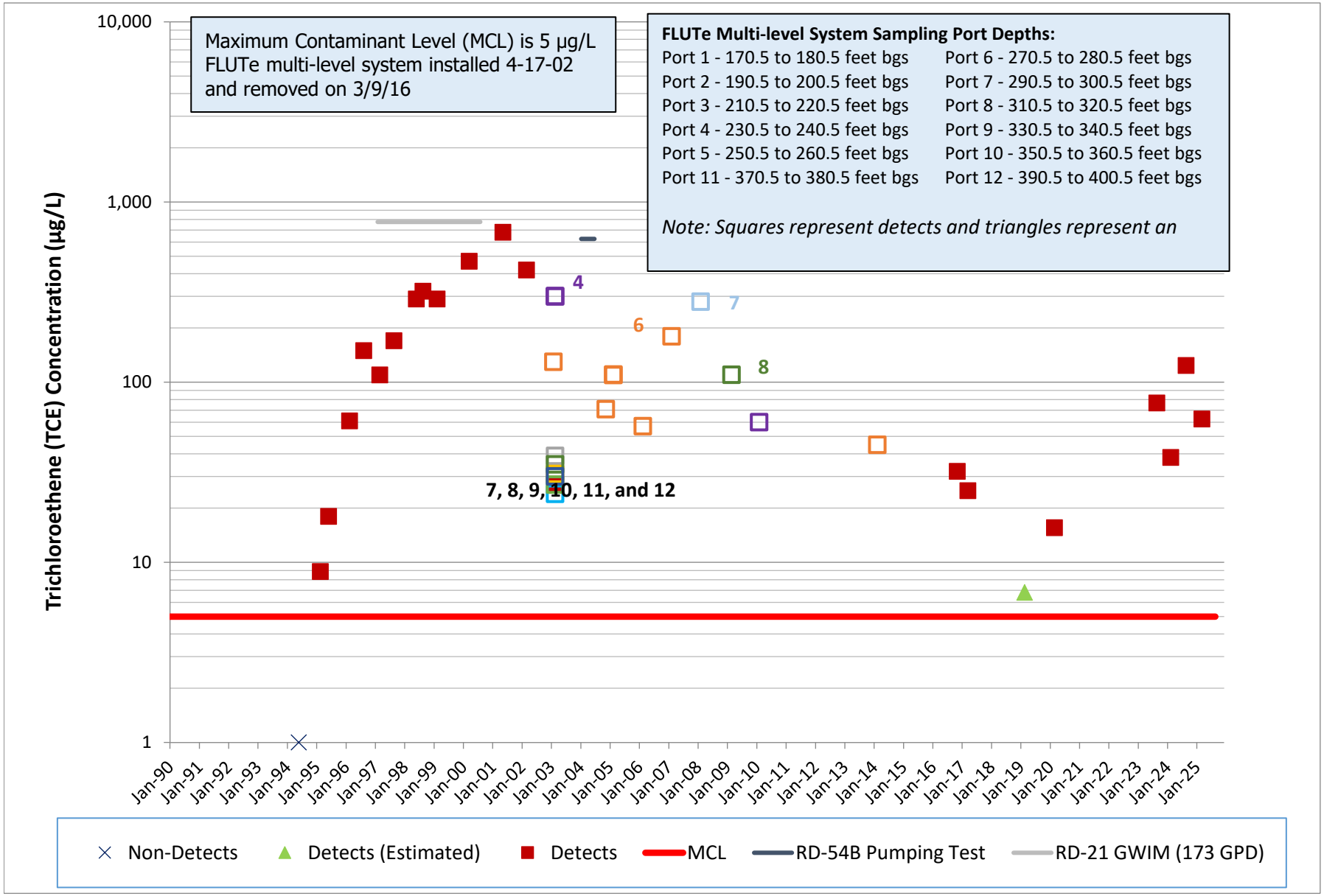
RD-54B, FSDF/ESADA
Trichloroethene



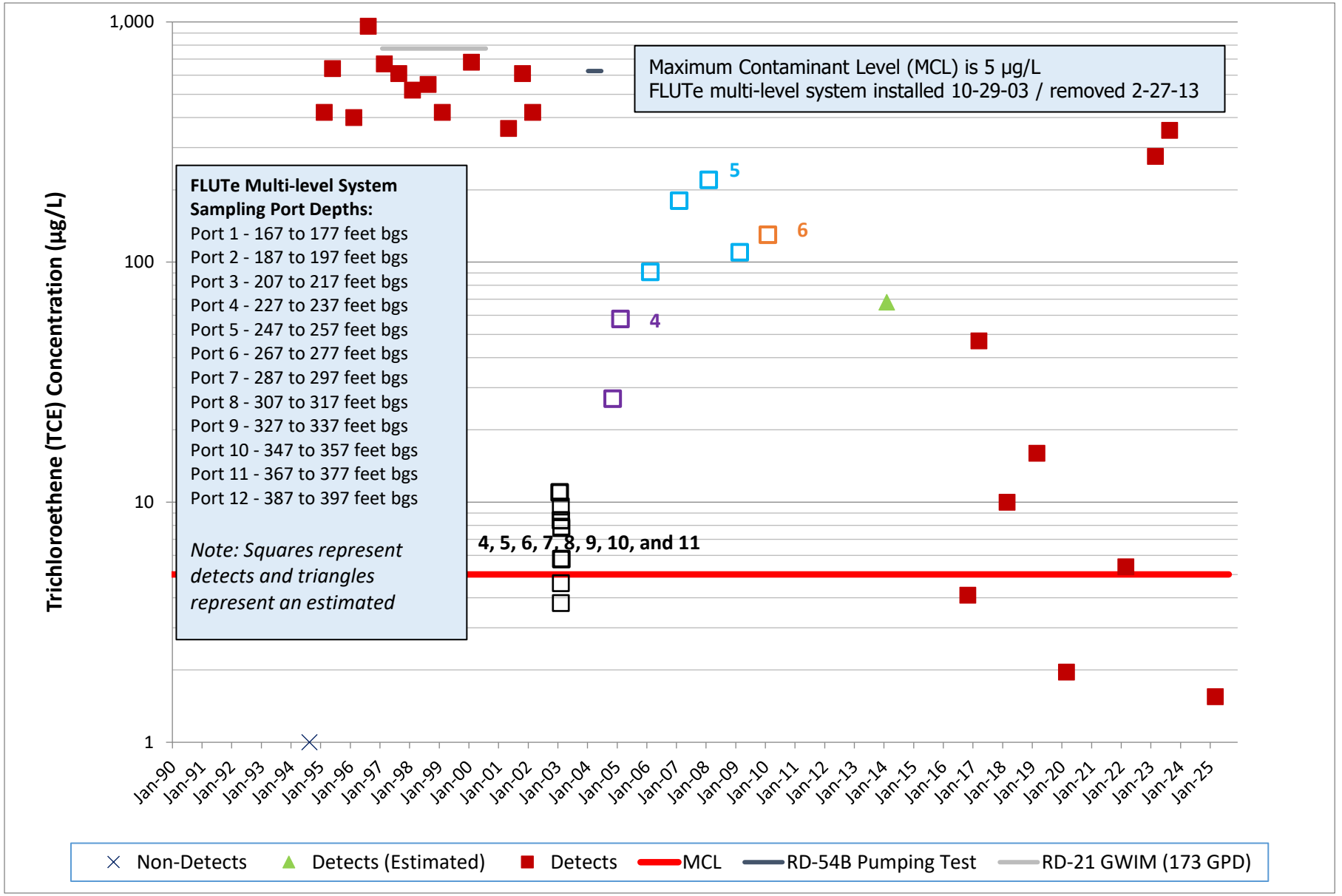
RD-54C, FSDF/ESADA
Trichloroethene



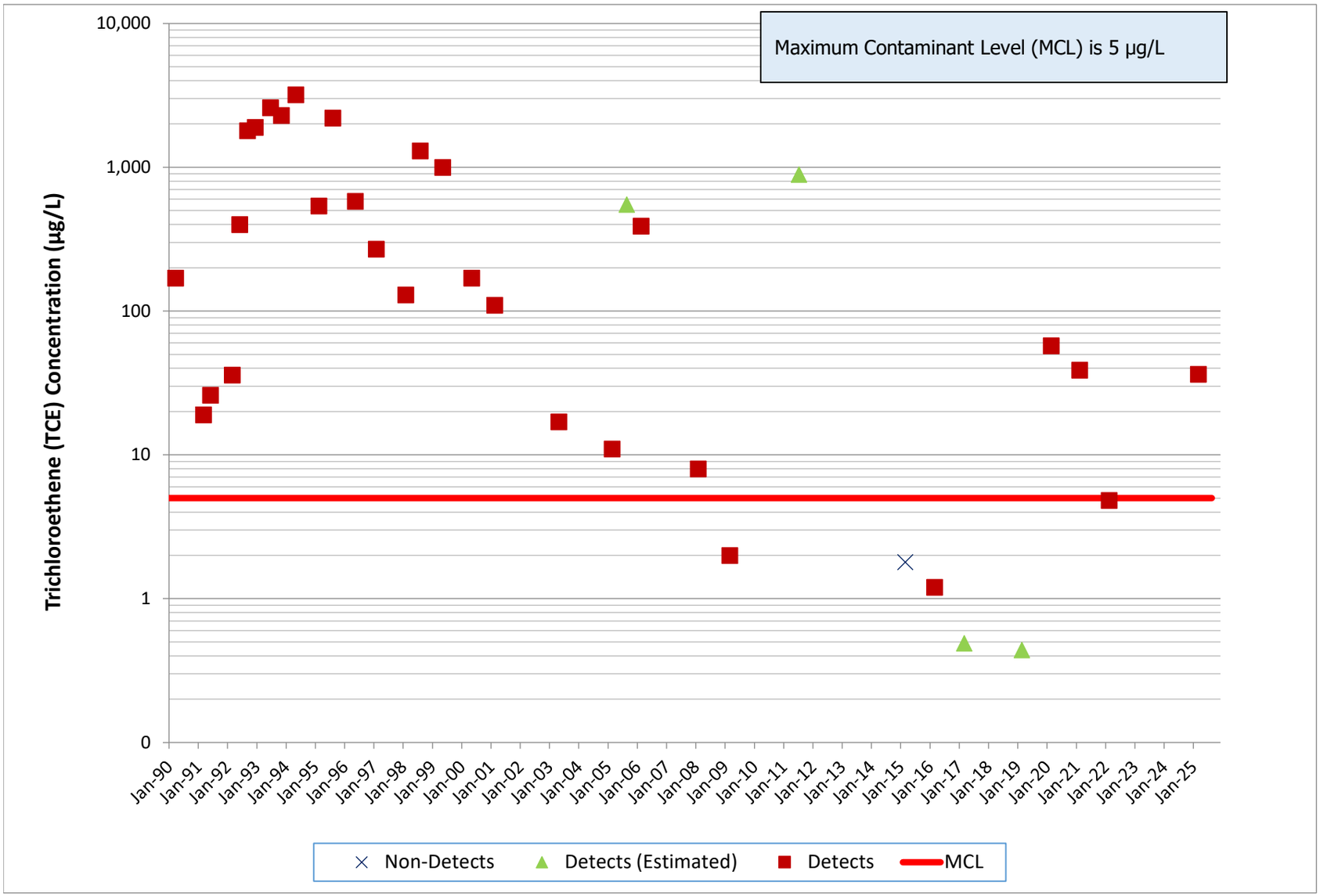
RD-64, FSDF/ESADA
Trichloroethene



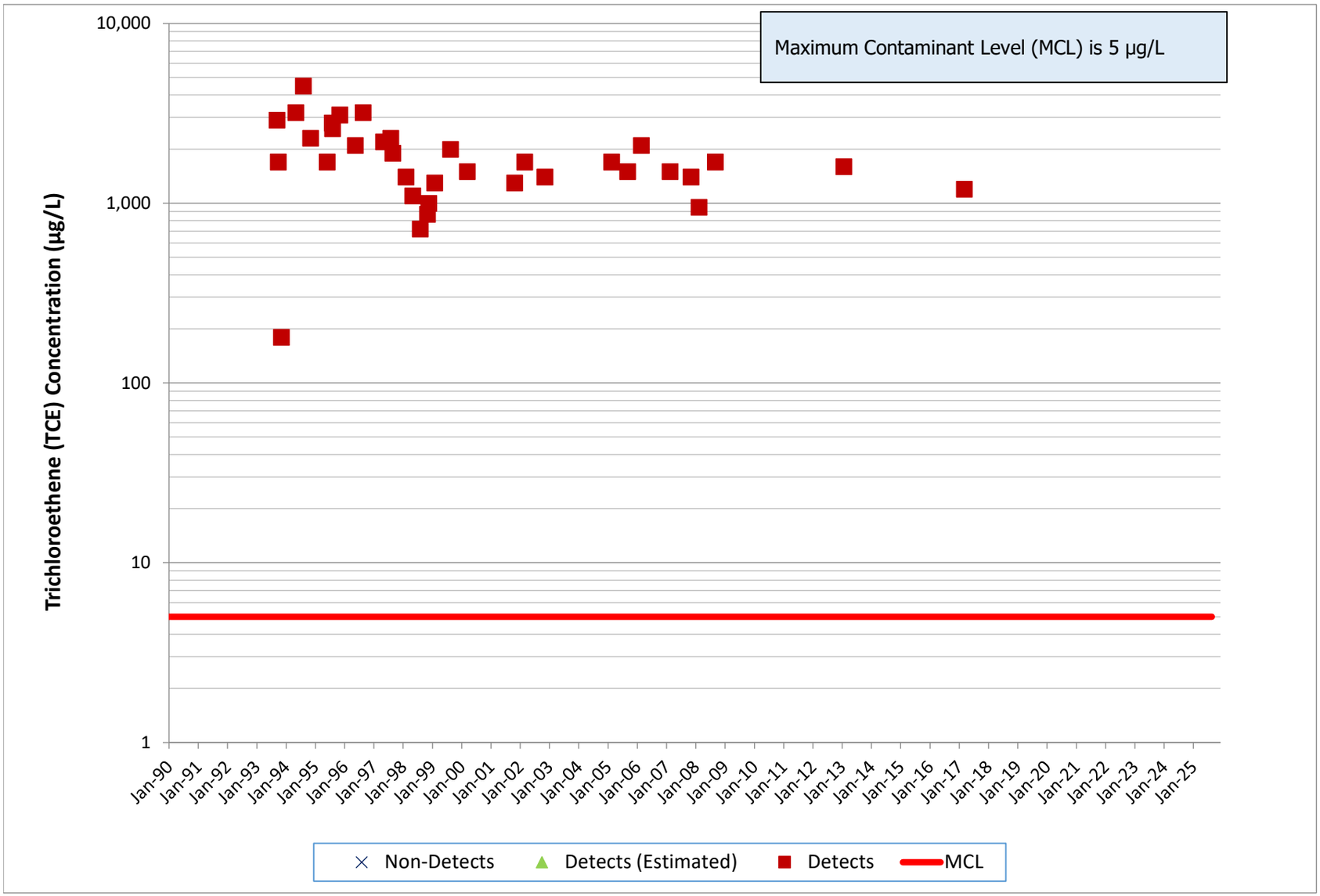
RD-65, FSDF/ESADA
Trichloroethene



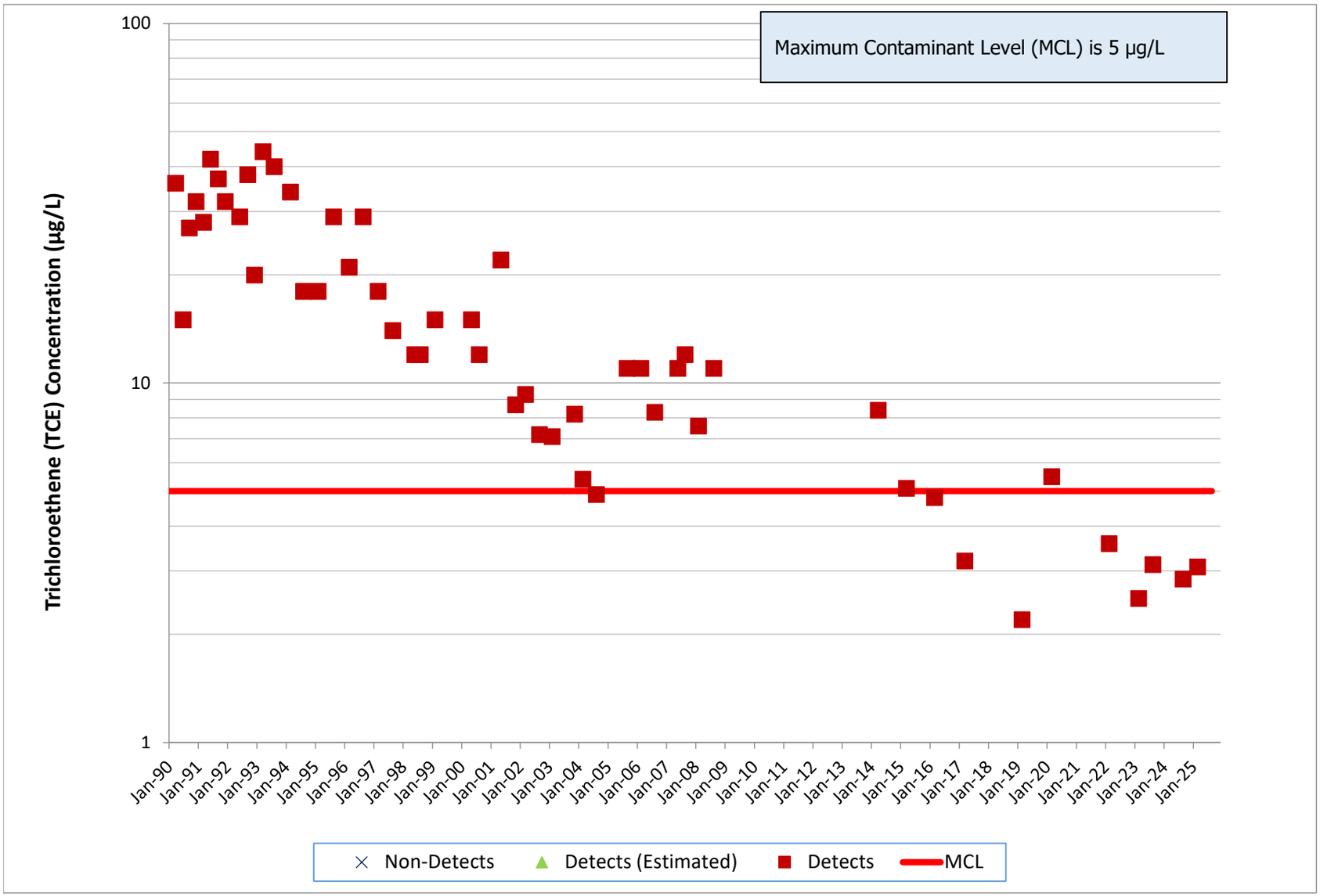
RS-18, FSDF/ESADA
Trichloroethene



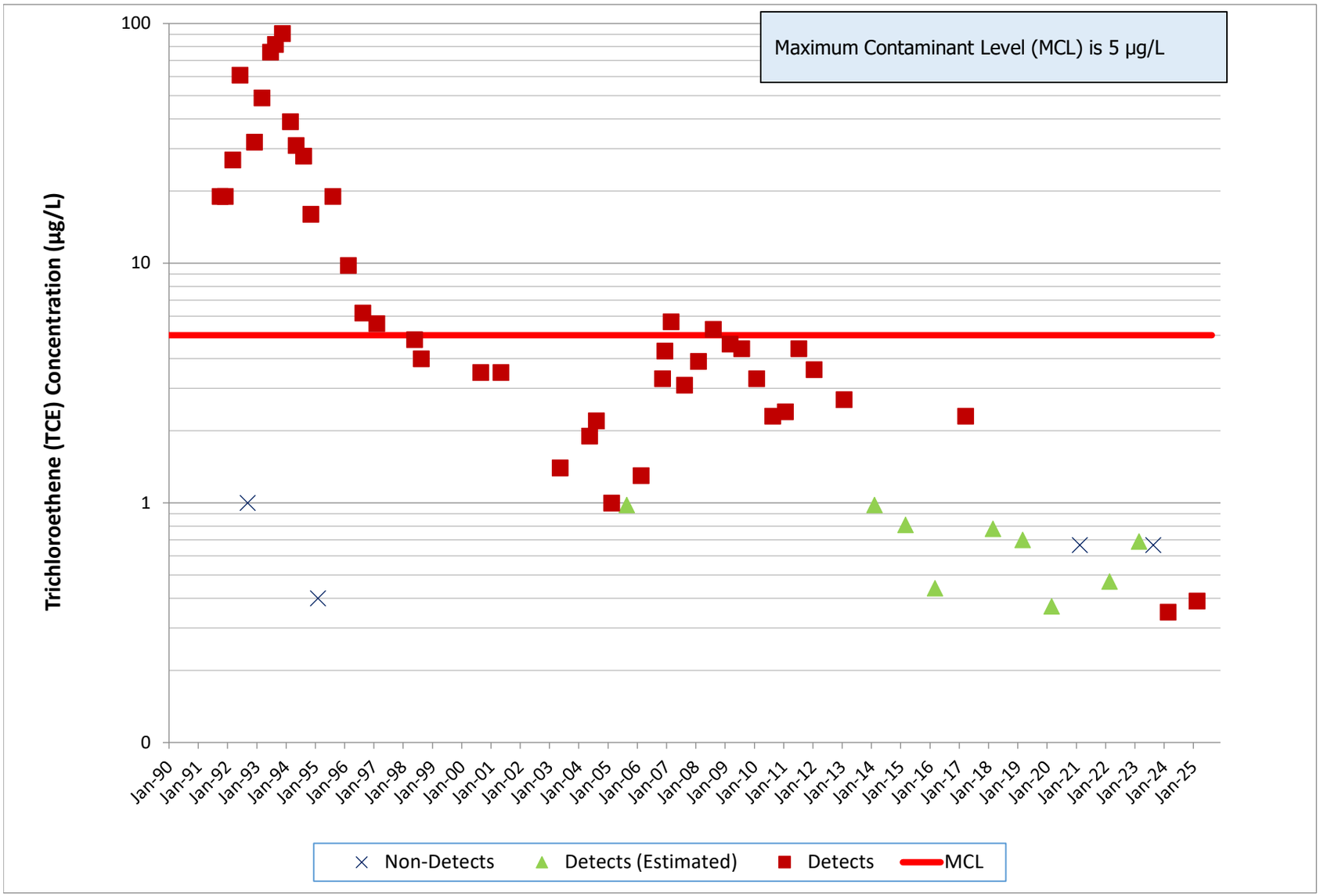
RS-54, FSDF/ESADA
Trichloroethene



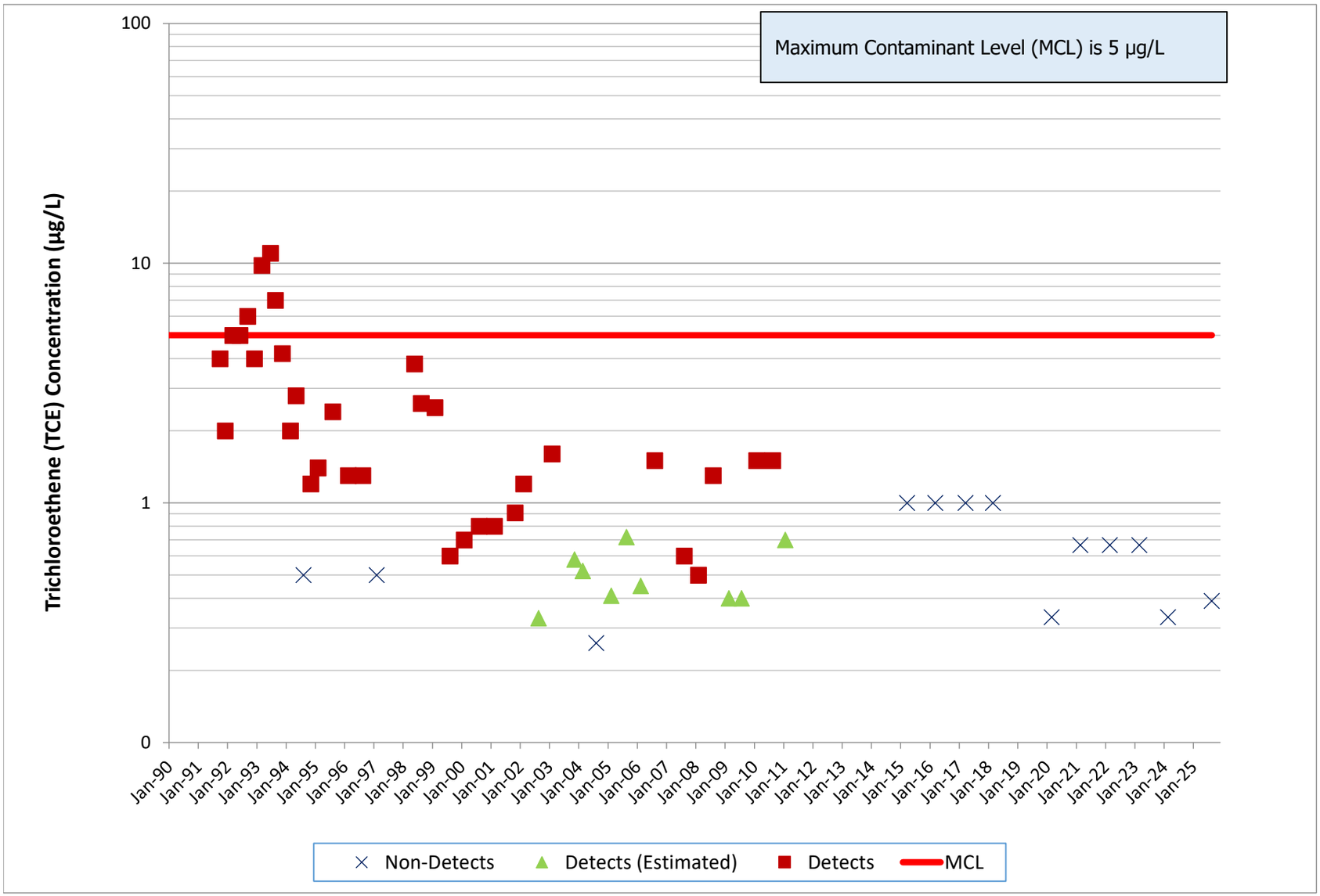
RD-30, RMHF
Trichloroethene



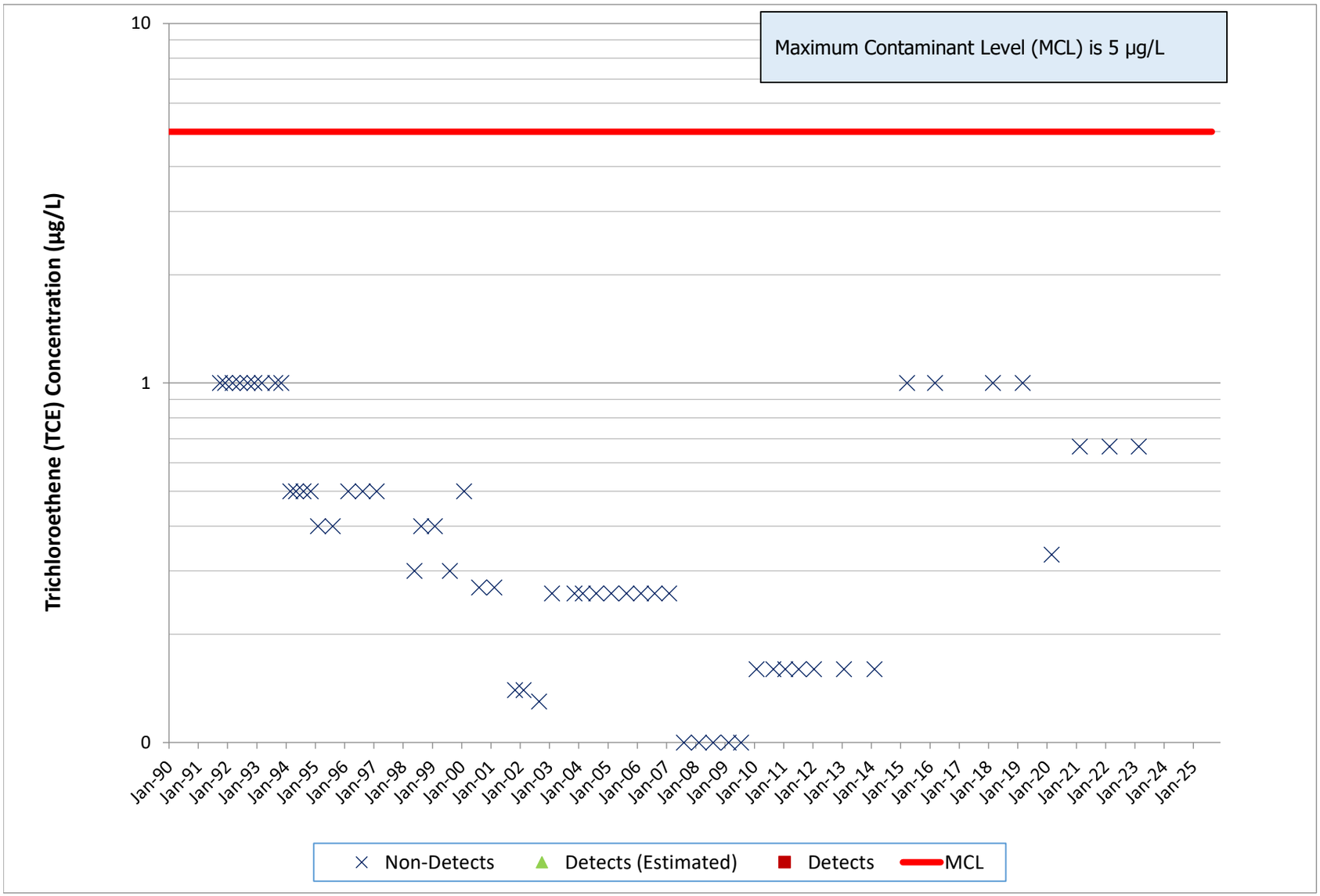
RD-34A, RMHF
Trichloroethene



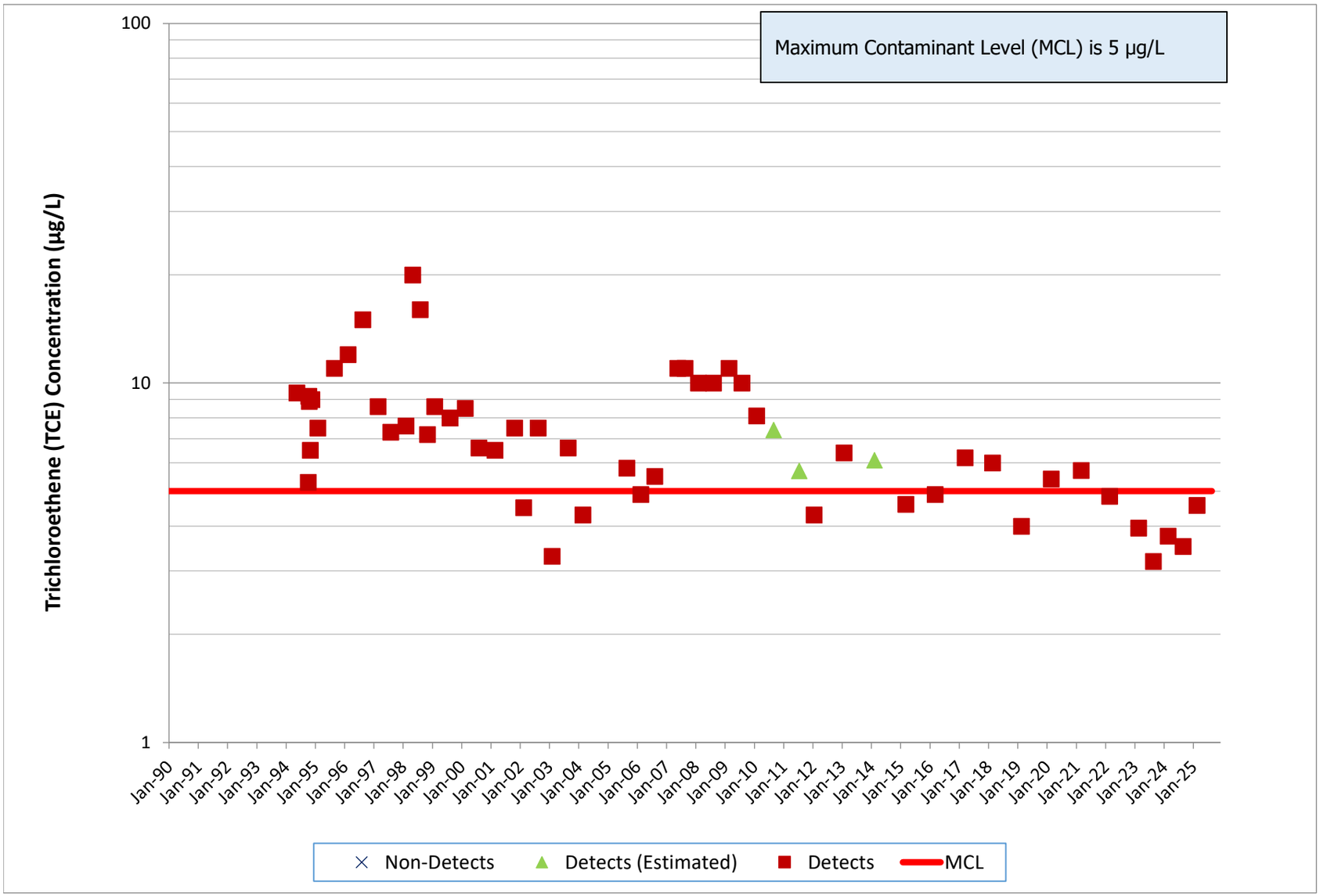
RD-34B, RMHF
Trichloroethene



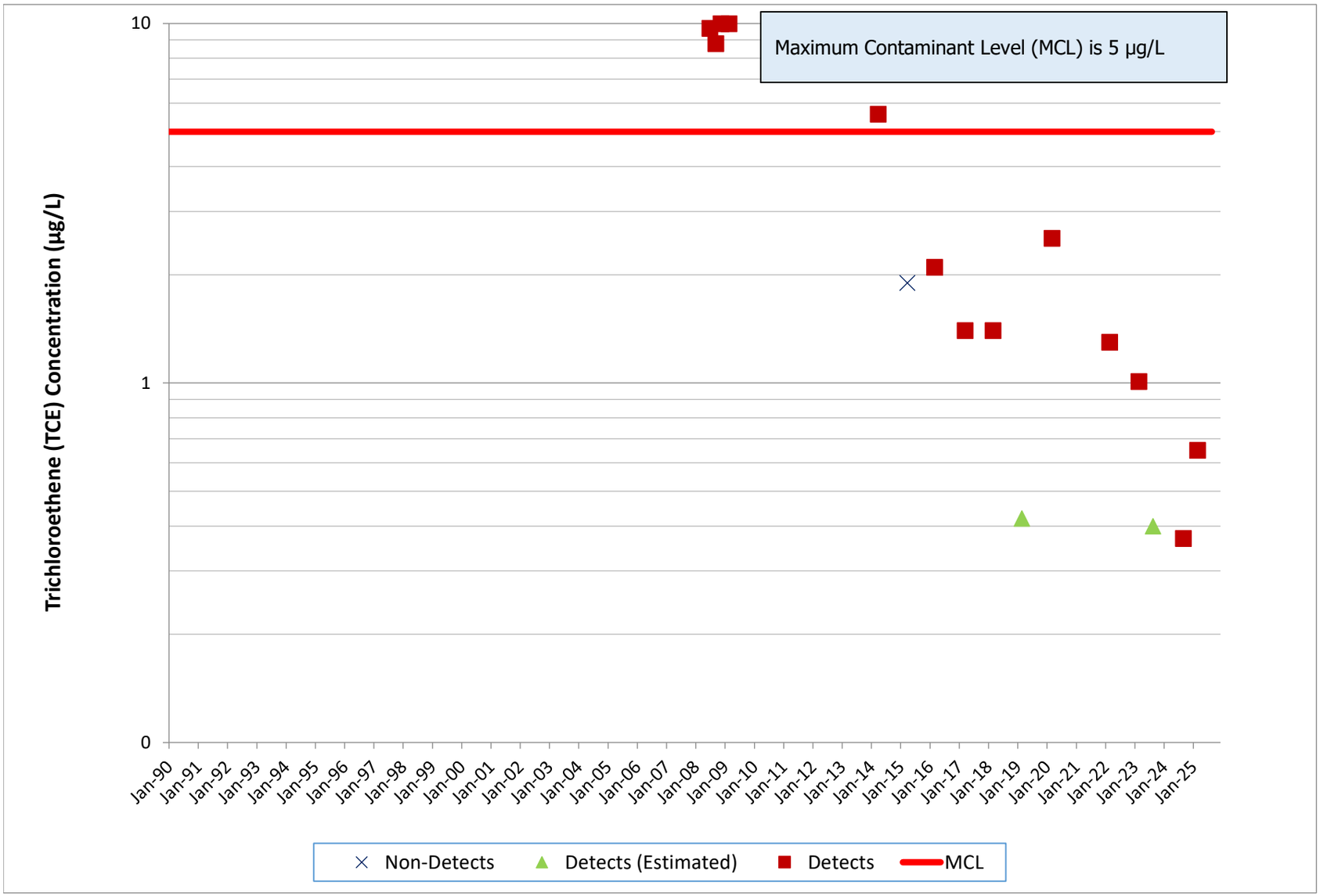
RD-34C, RMHF
Trichloroethene



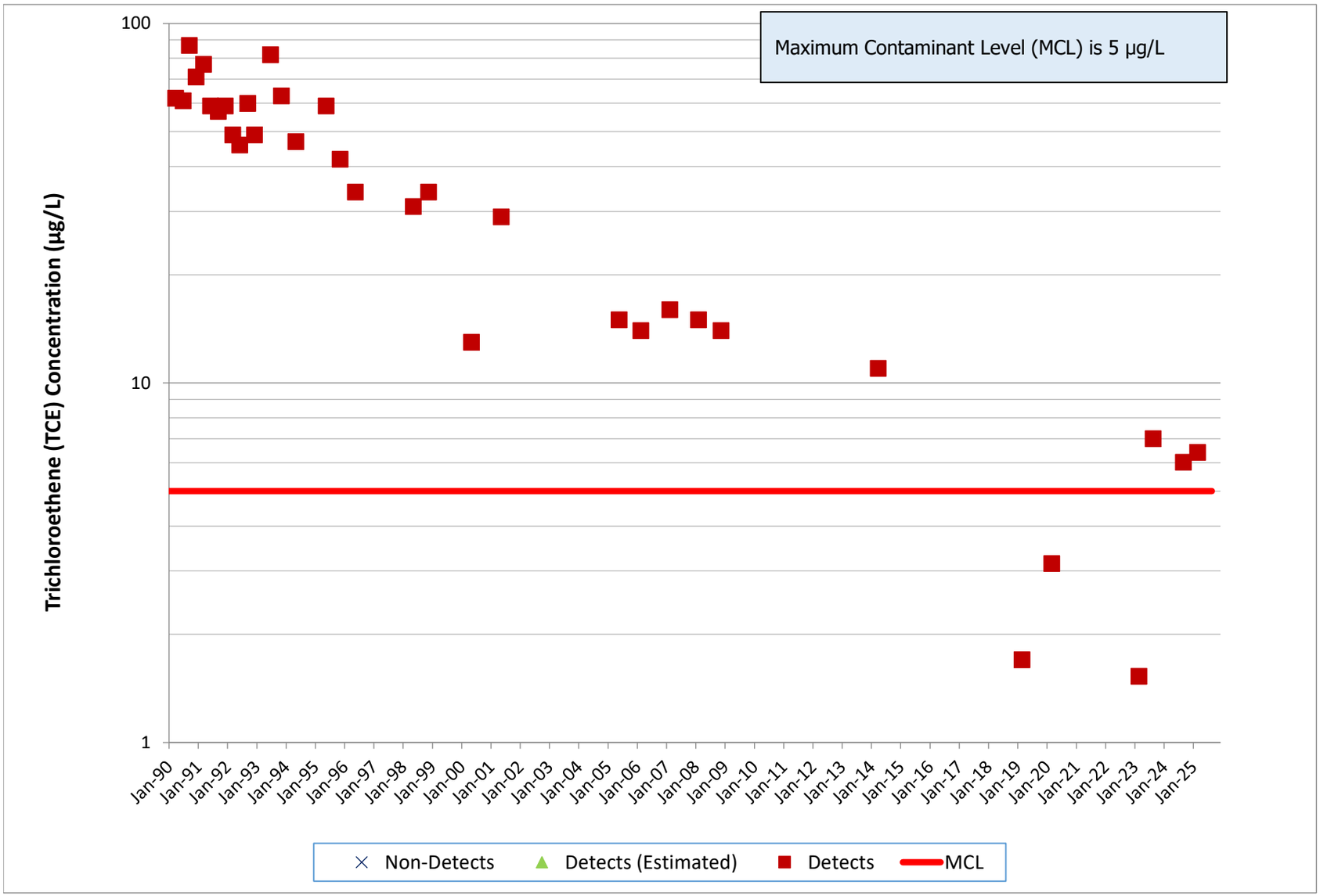
RD-63, RMHF
Trichloroethene



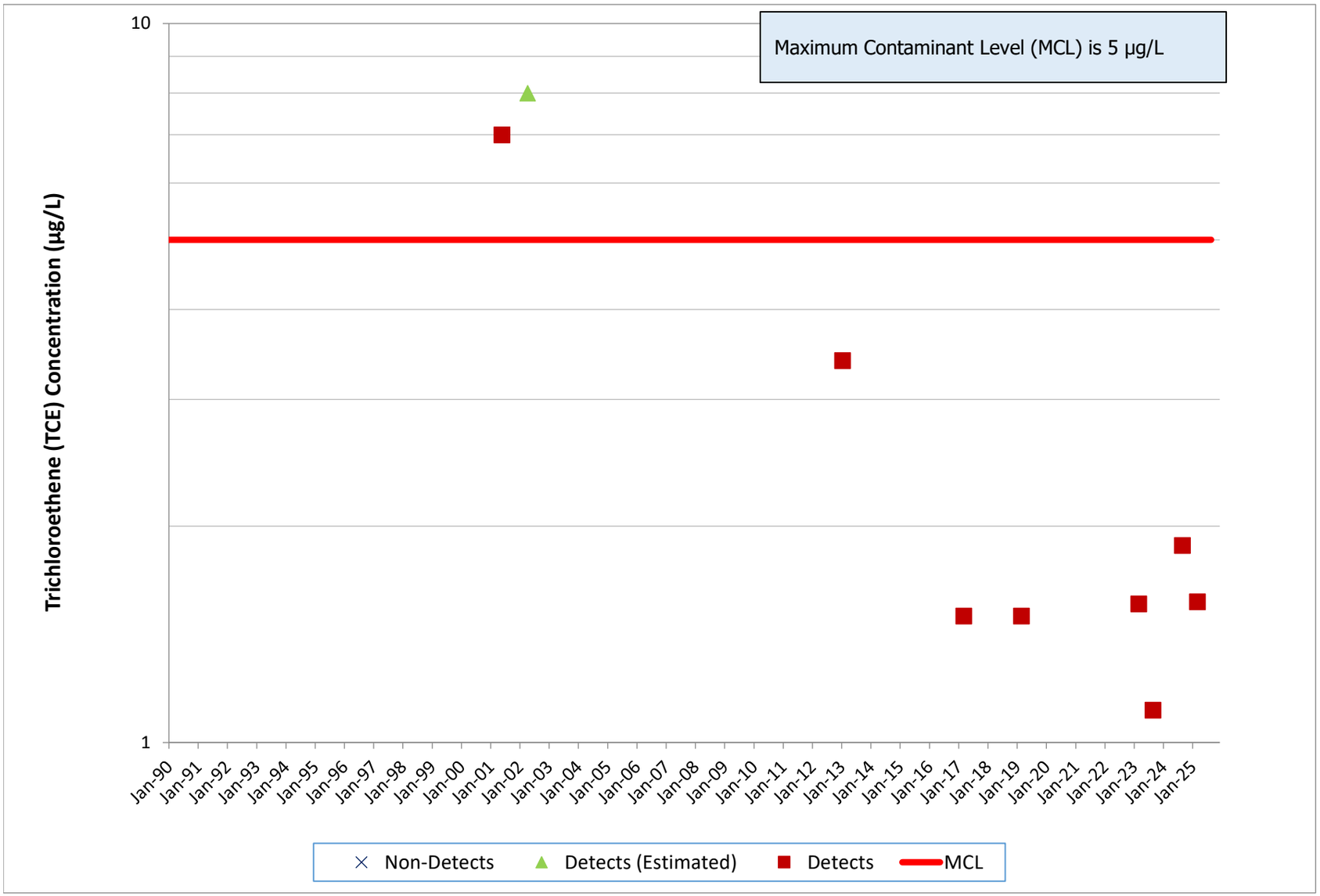
RD-98, RMHF
Trichloroethene



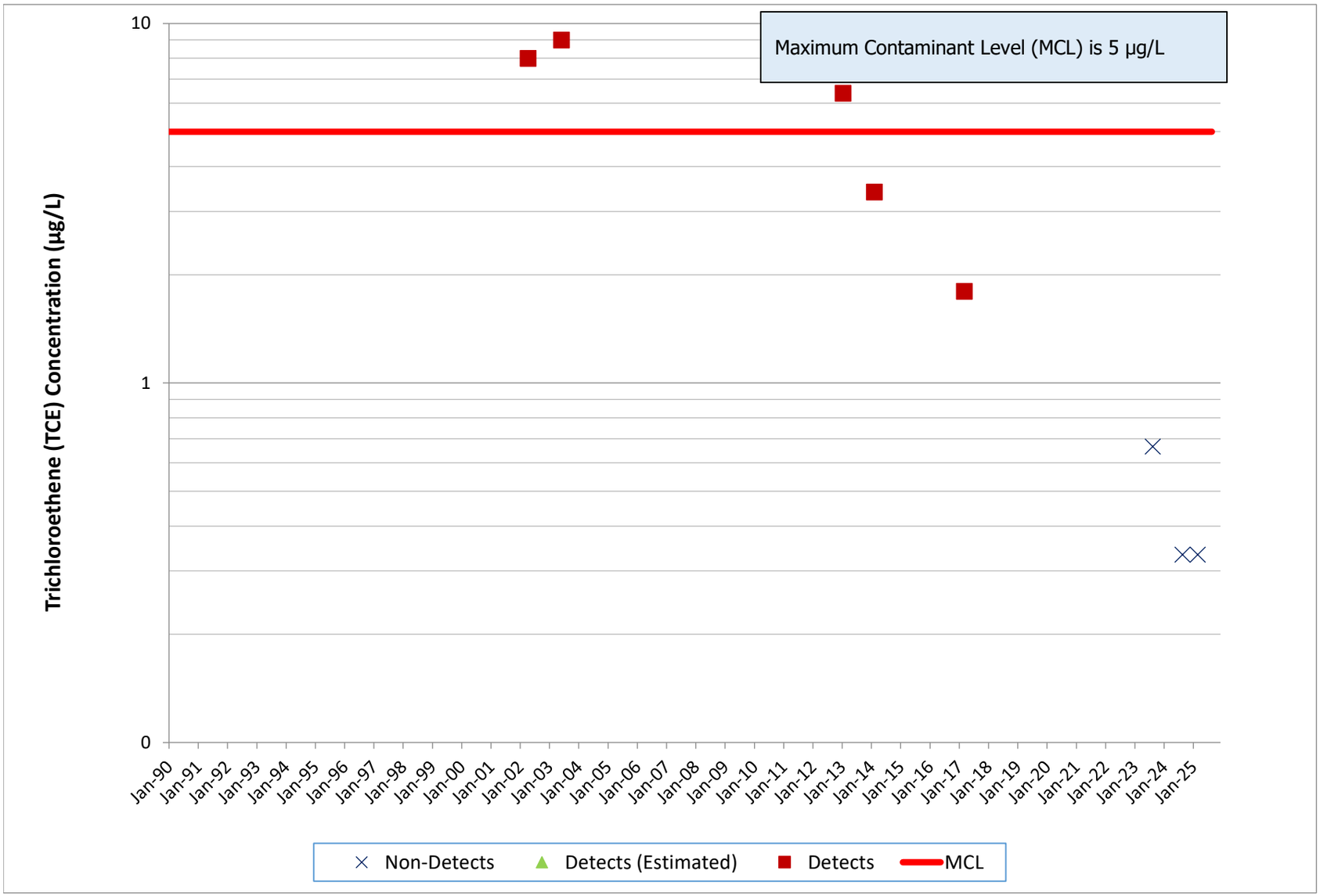
RS-28, RMHF
Trichloroethene



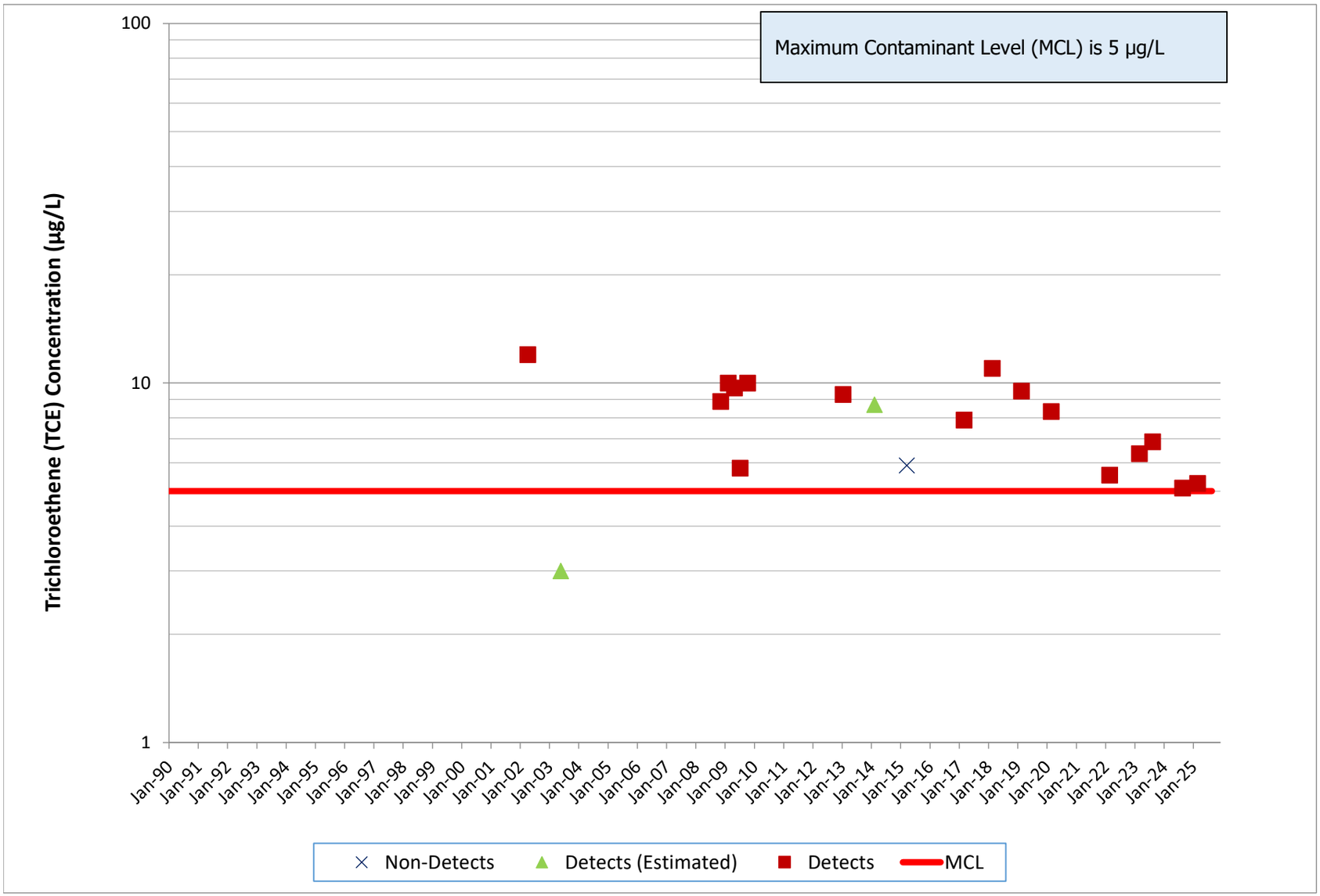
PZ-005, Bldg 65 Metals Clarifier
Trichloroethene



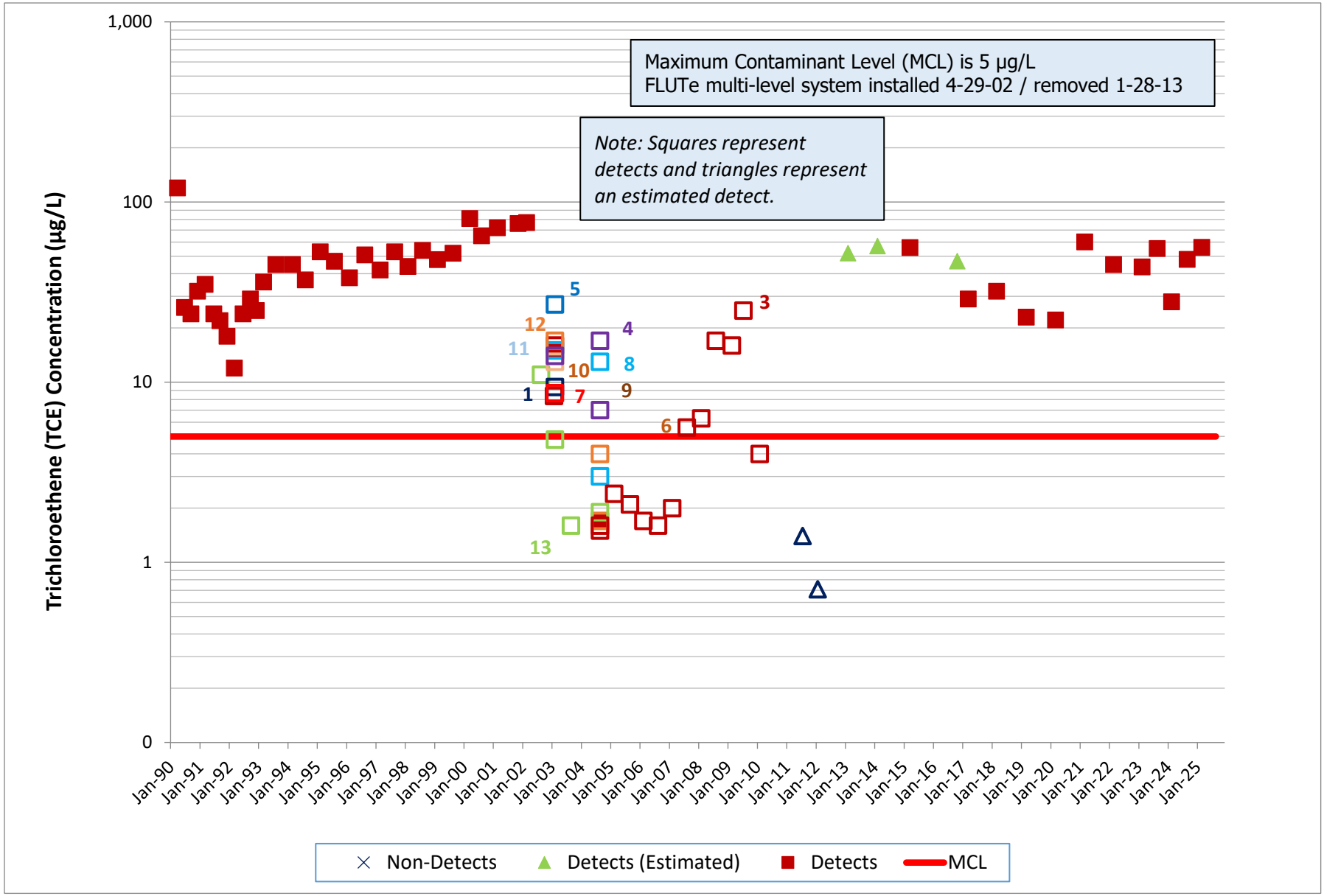
PZ-104, Bldg 65 Metals Clarifier
Trichloroethene



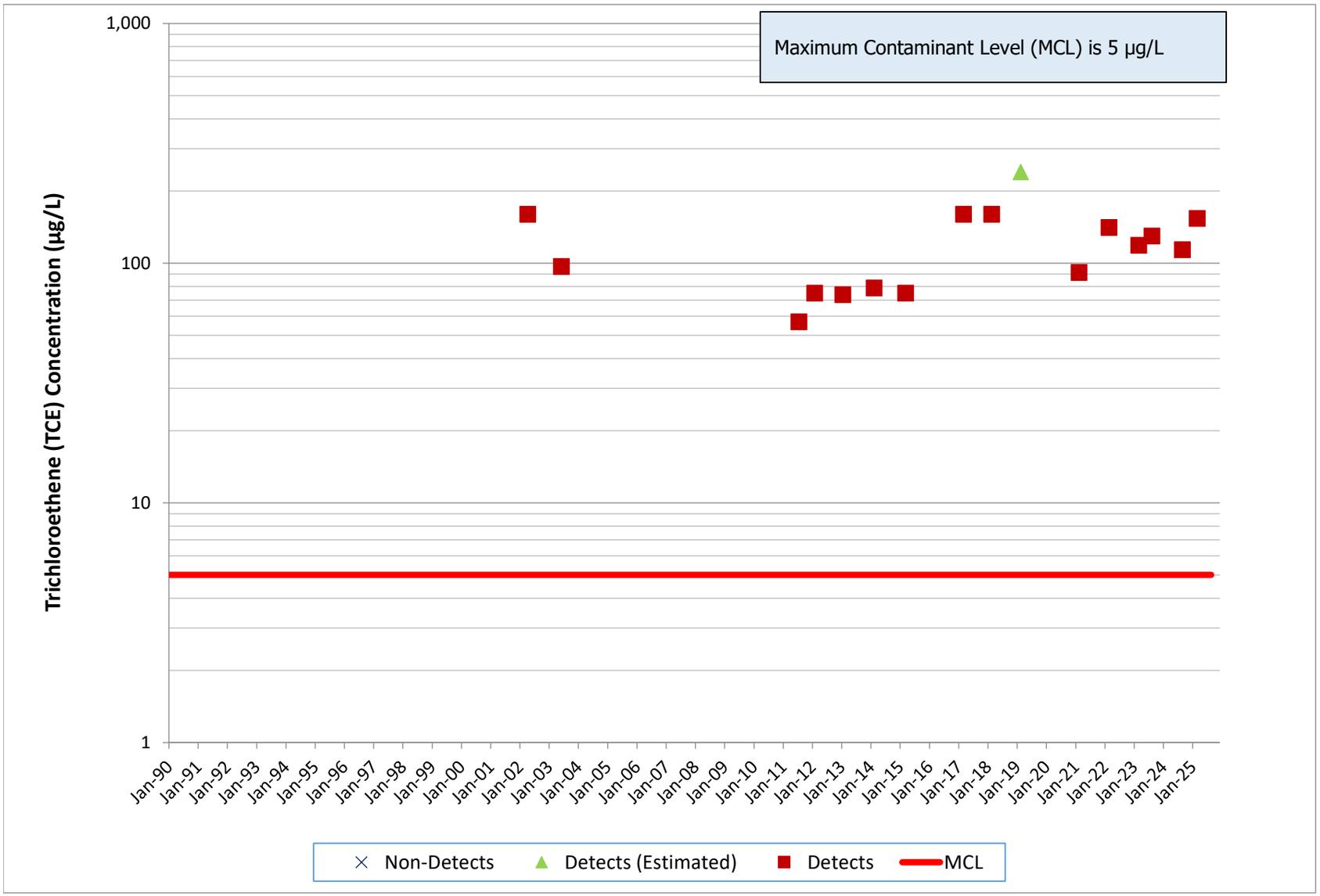
PZ-105, Bldg 65 Metals Clarifier
Trichloroethene



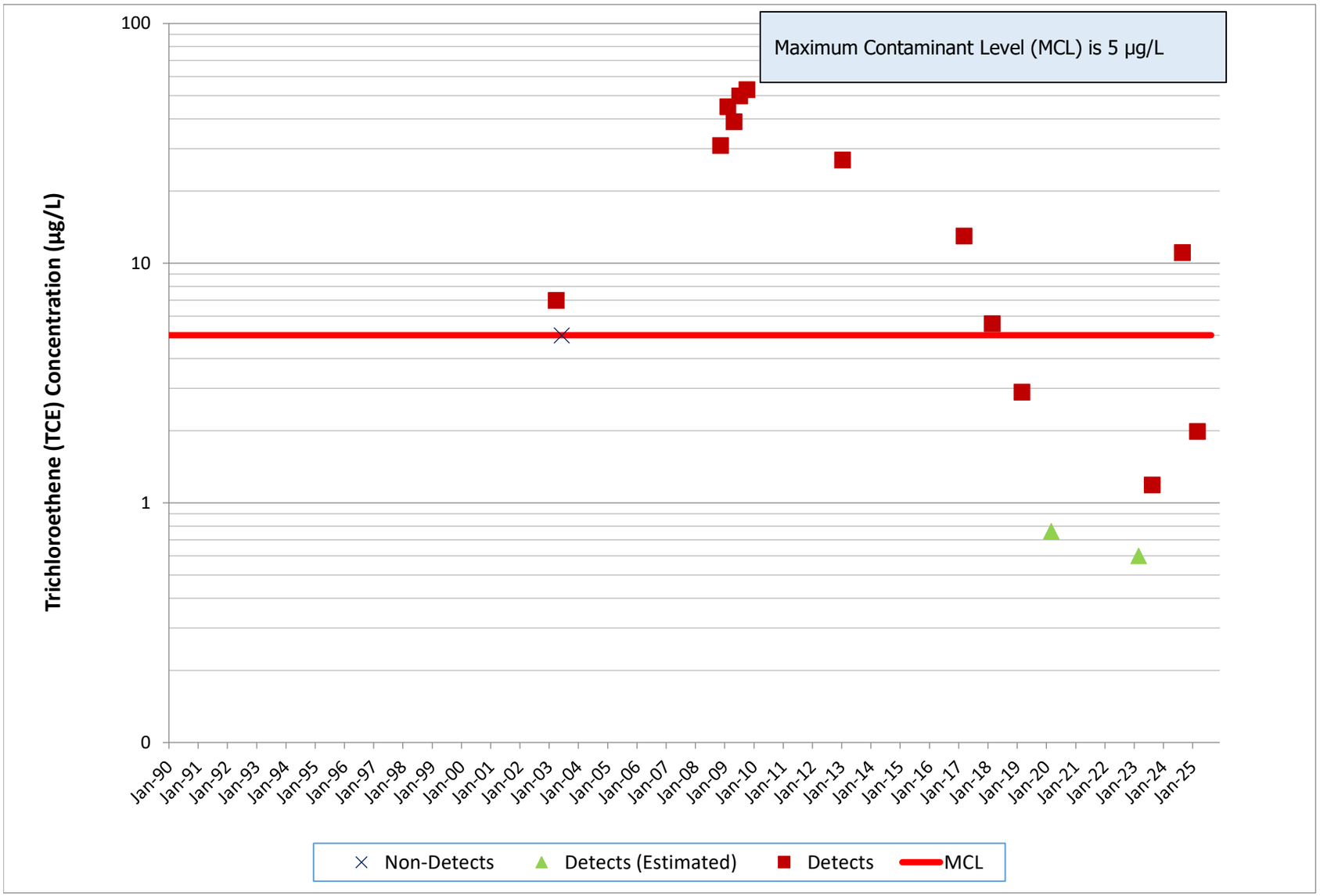
RD-07, Bldg 56 Landfill
Trichloroethene



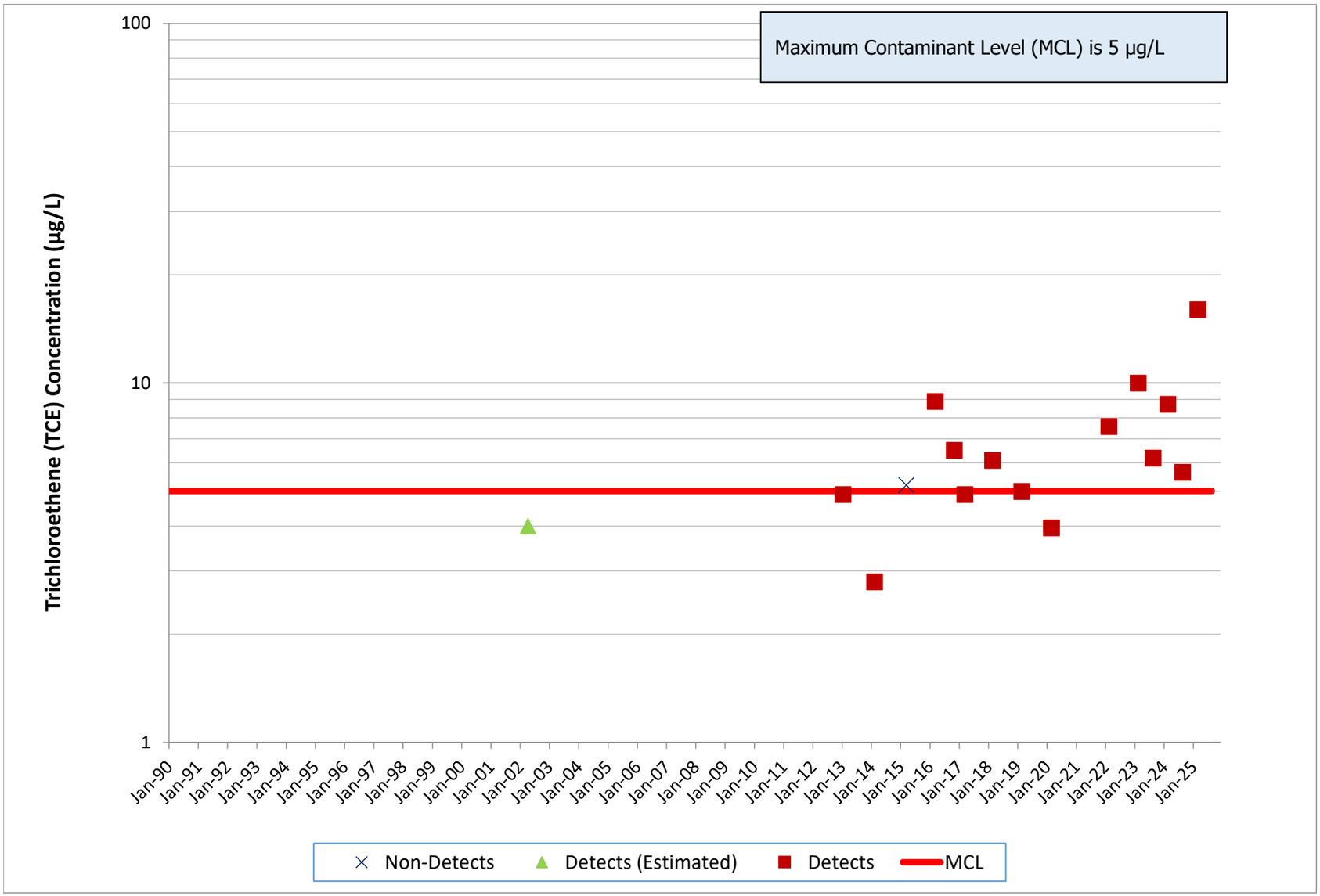
PZ-108, HMSA/PDU
Trichloroethene



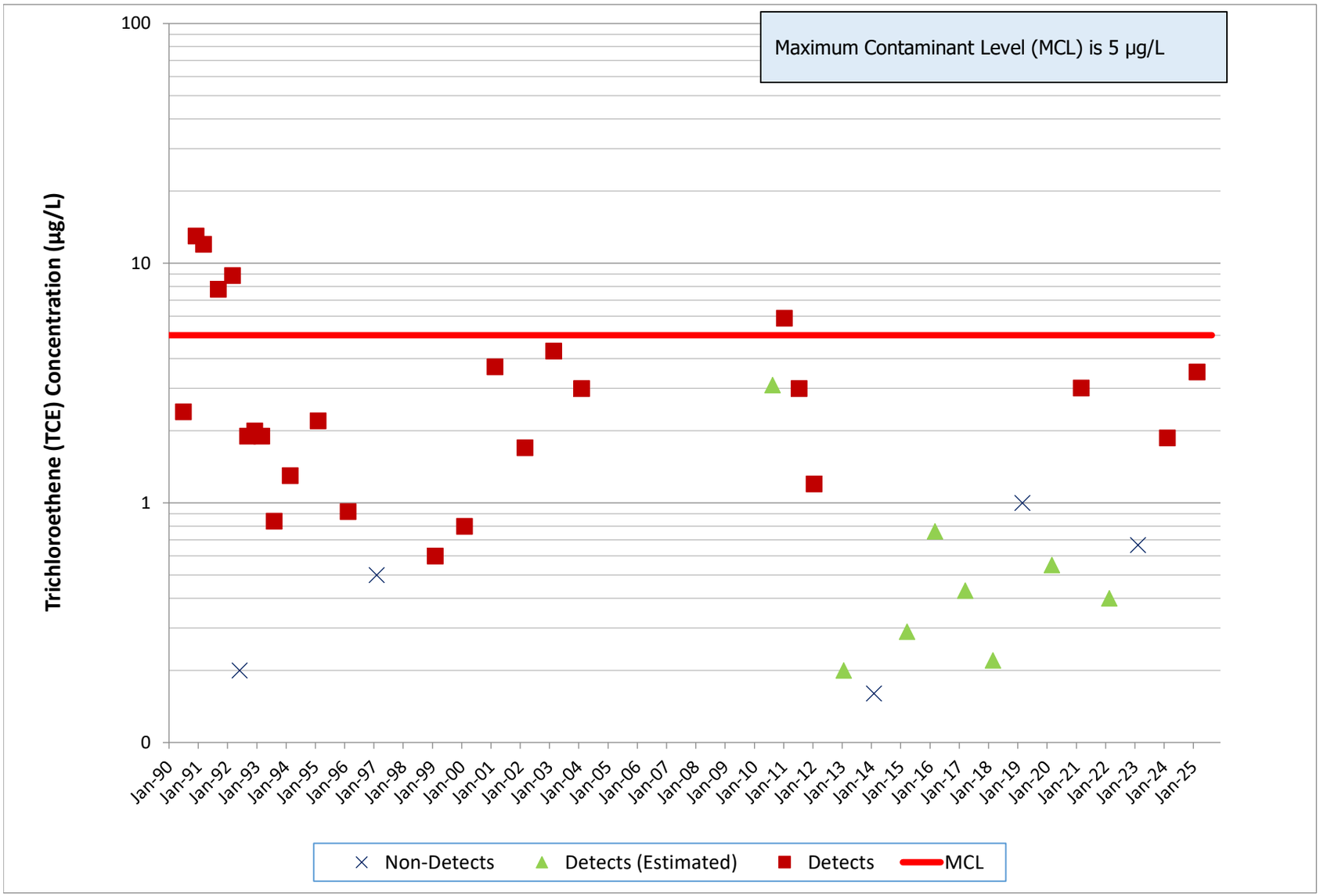
PZ-120, HMSA/PDU
Trichloroethene



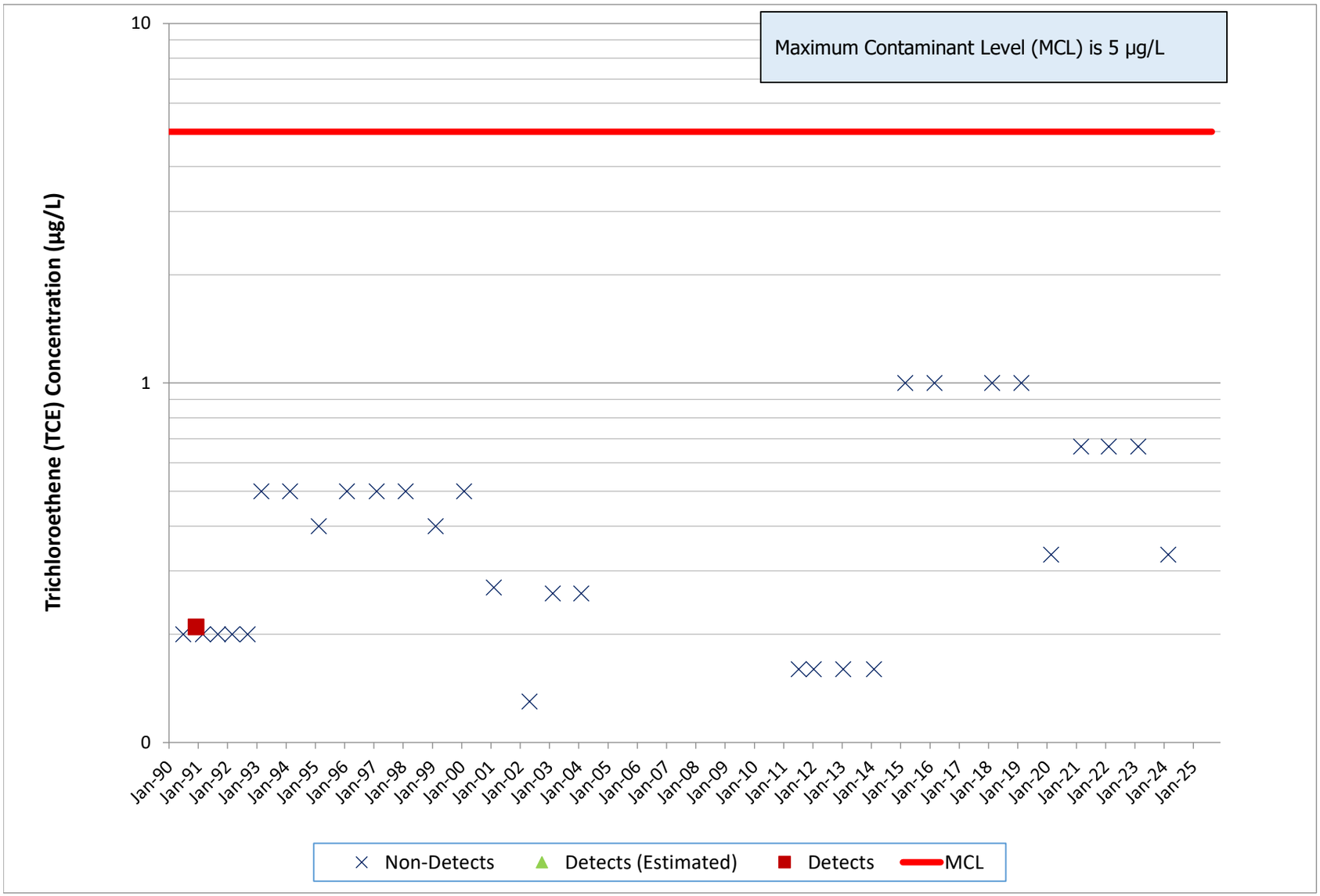
PZ-109, B4057/4059/4626
Trichloroethene



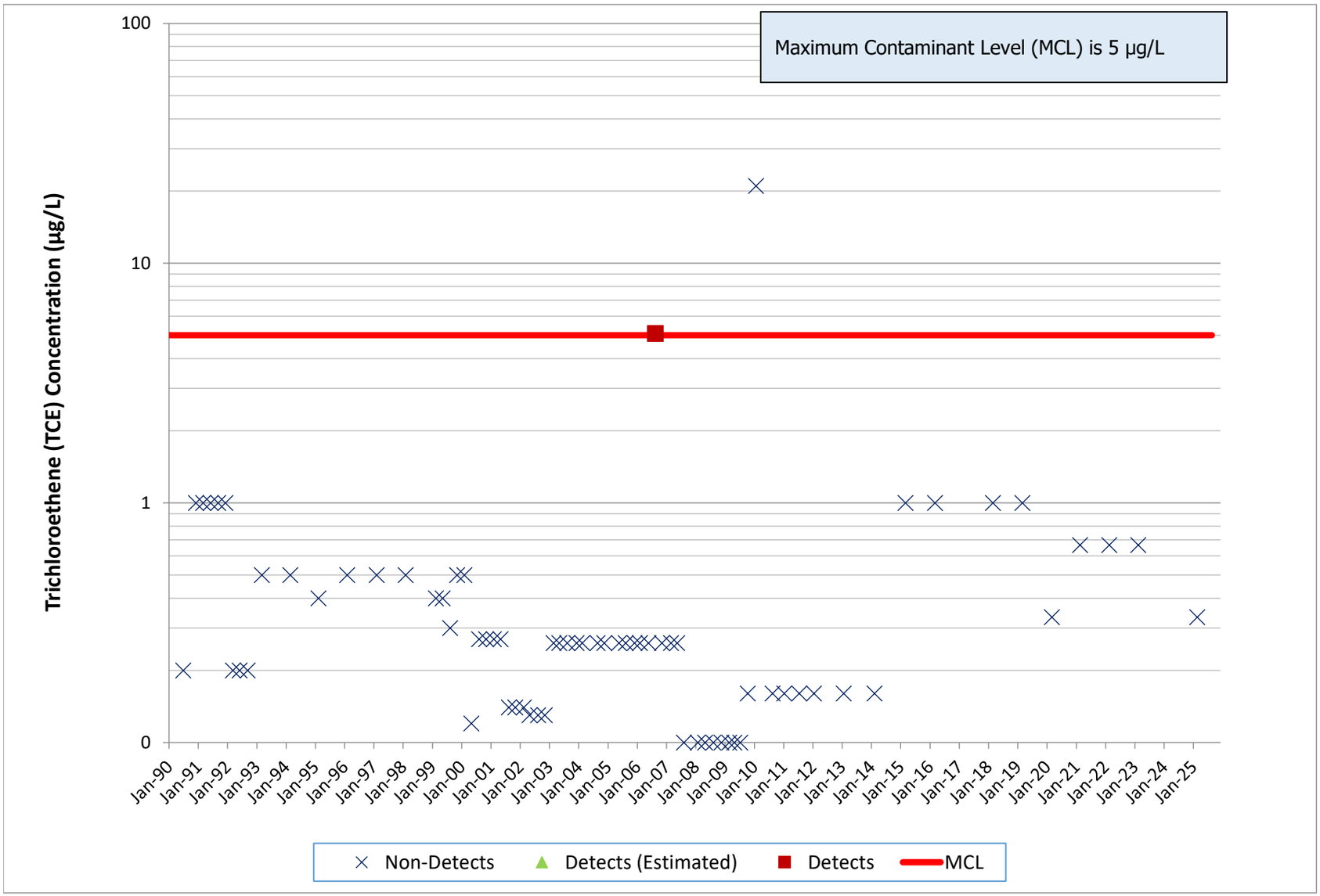
RD-14, OCY
Trichloroethene



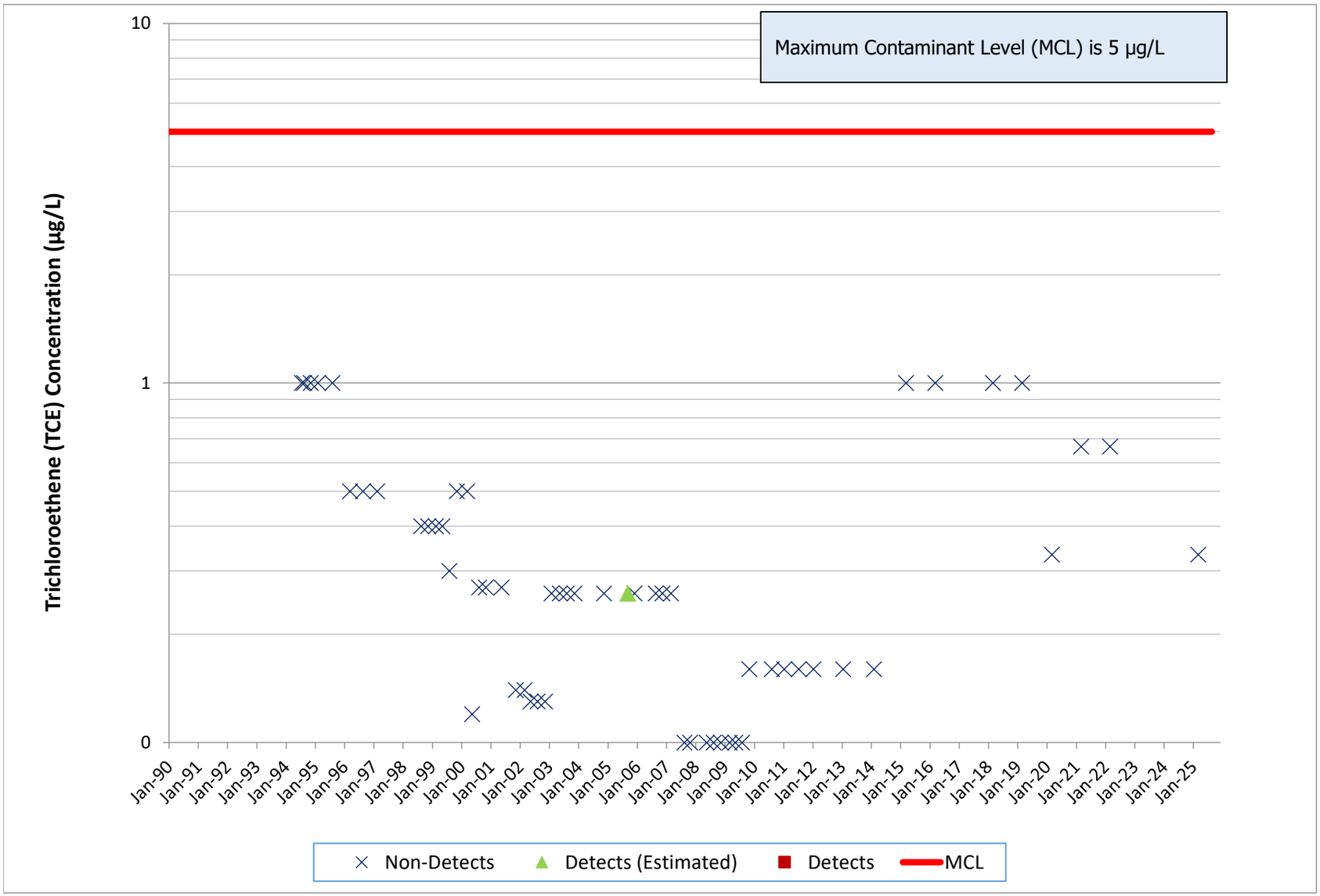
RD-20, Bldg 4100 Trench
Trichloroethene



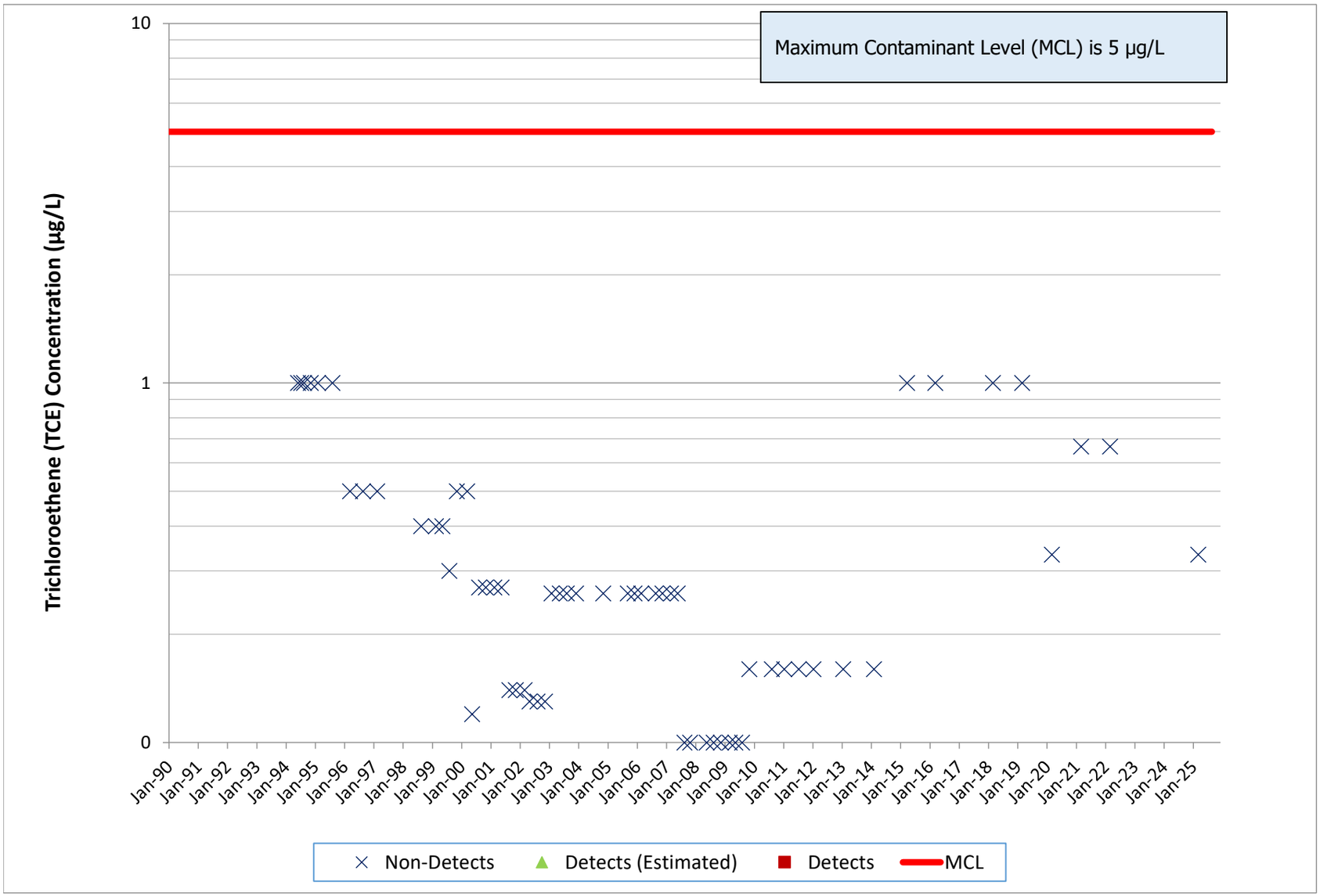
RD-19, B4133
Trichloroethene



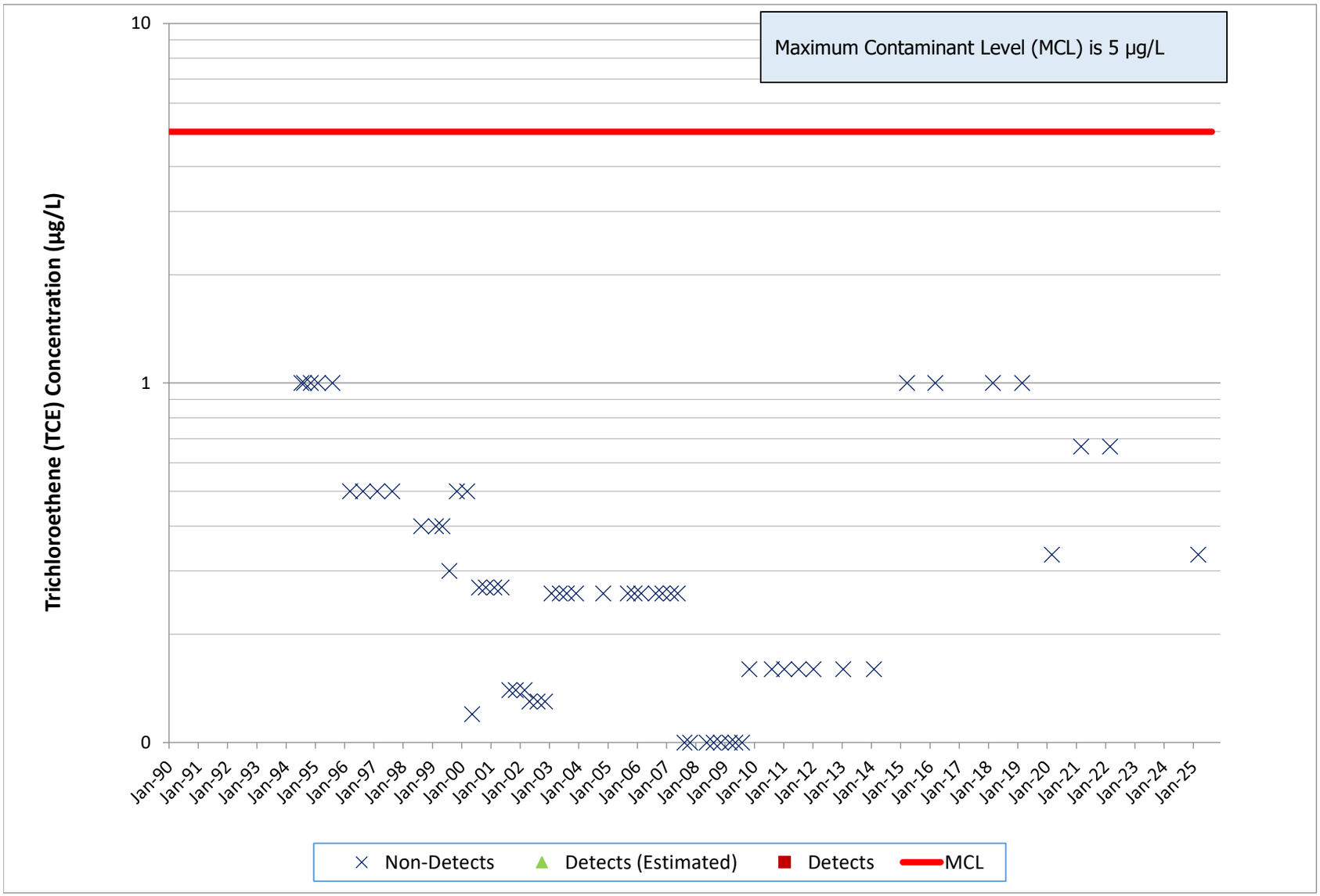
RD-59A, Offsite
Trichloroethene



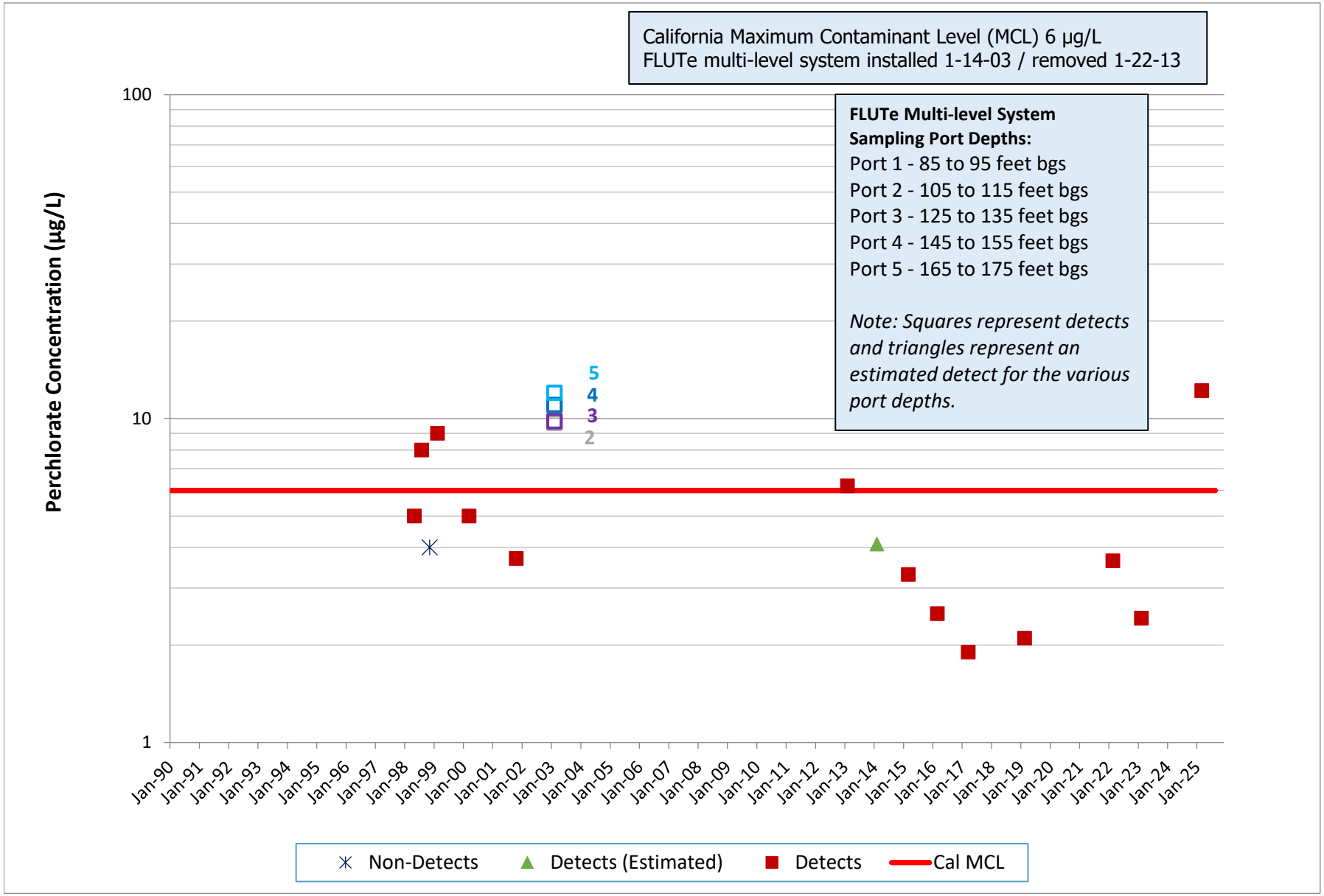
RD-59B, Offsite
Trichloroethene



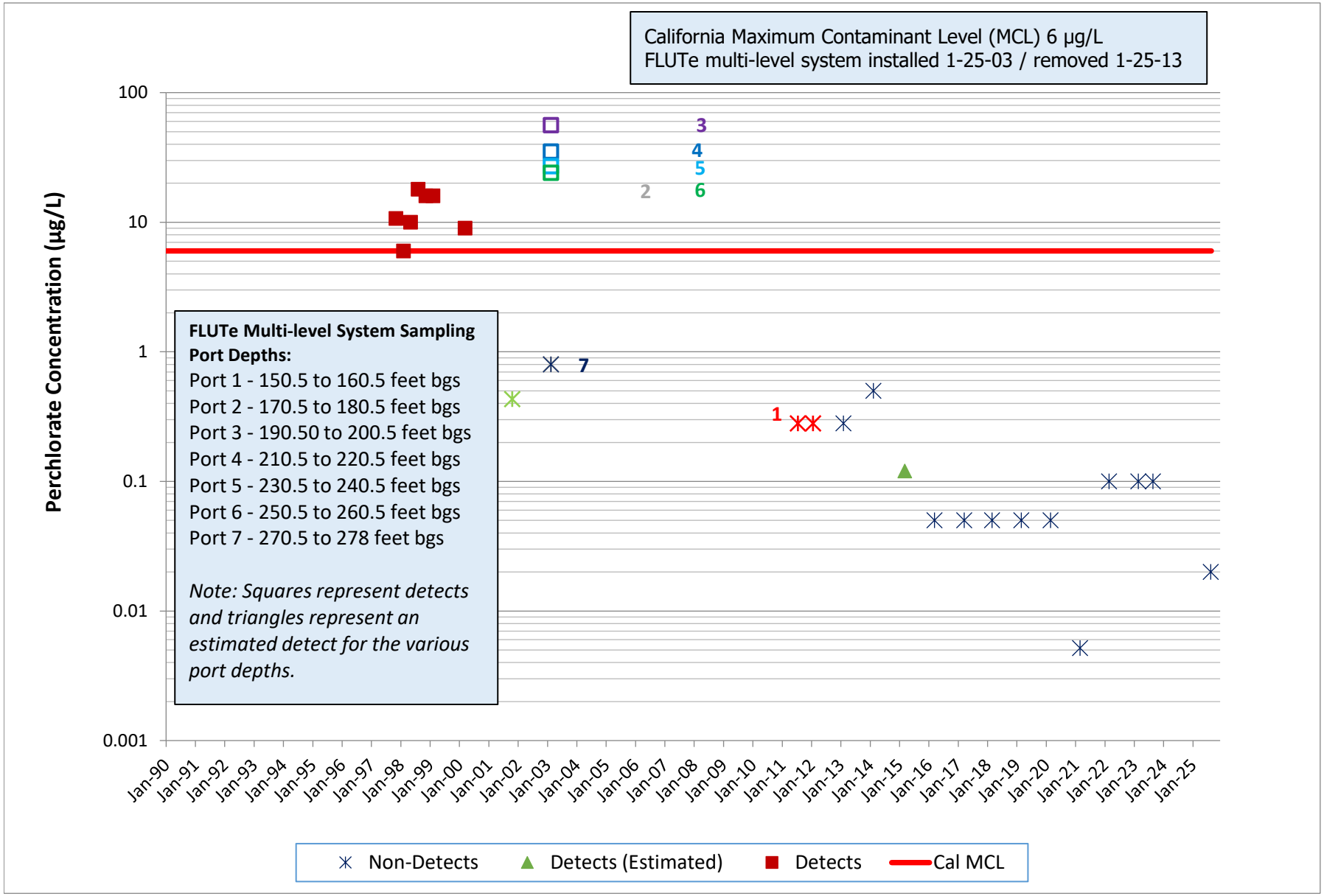
RD-59C, Offsite
Trichloroethene



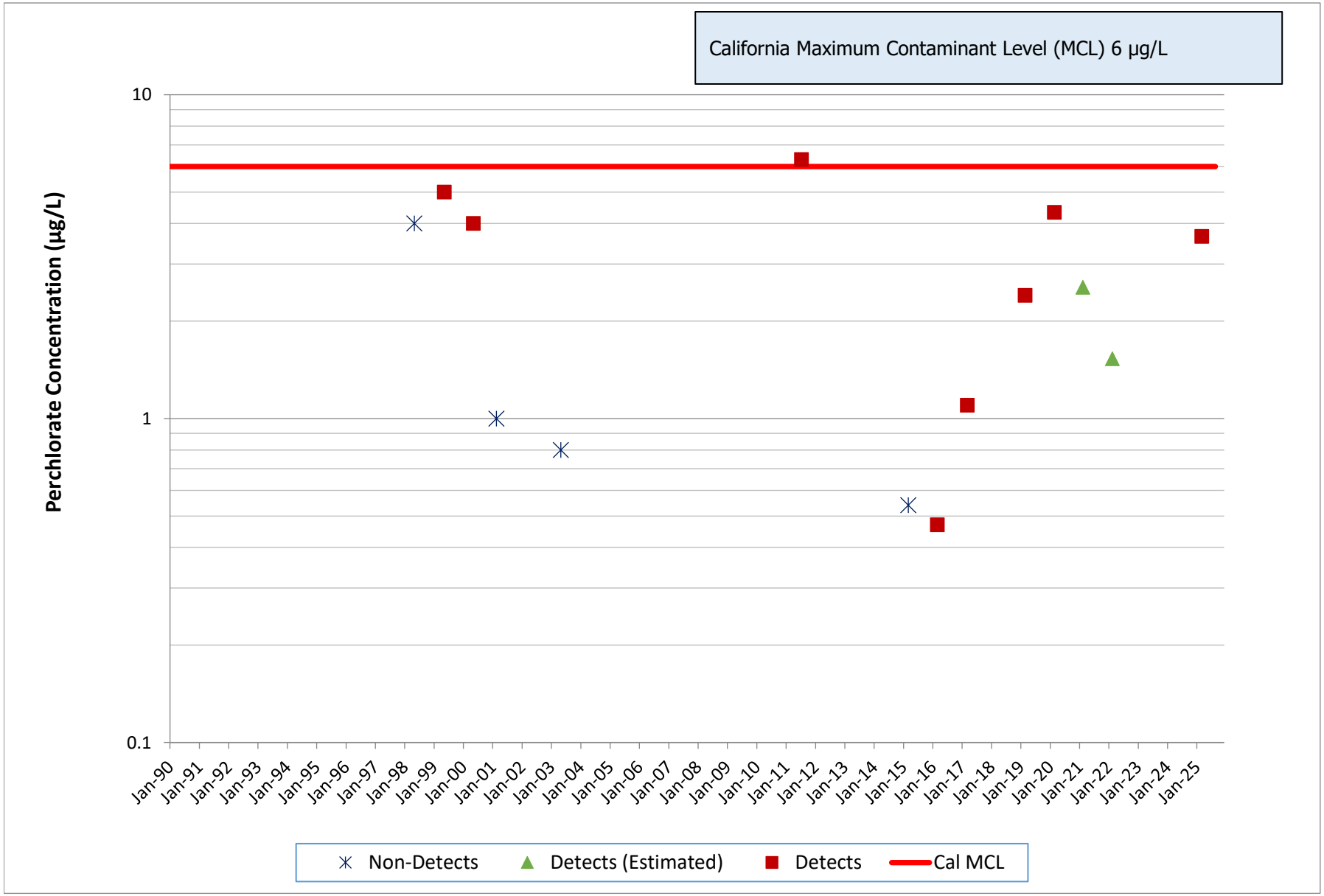
RD-21, FSDF/ESADA
Perchlorate



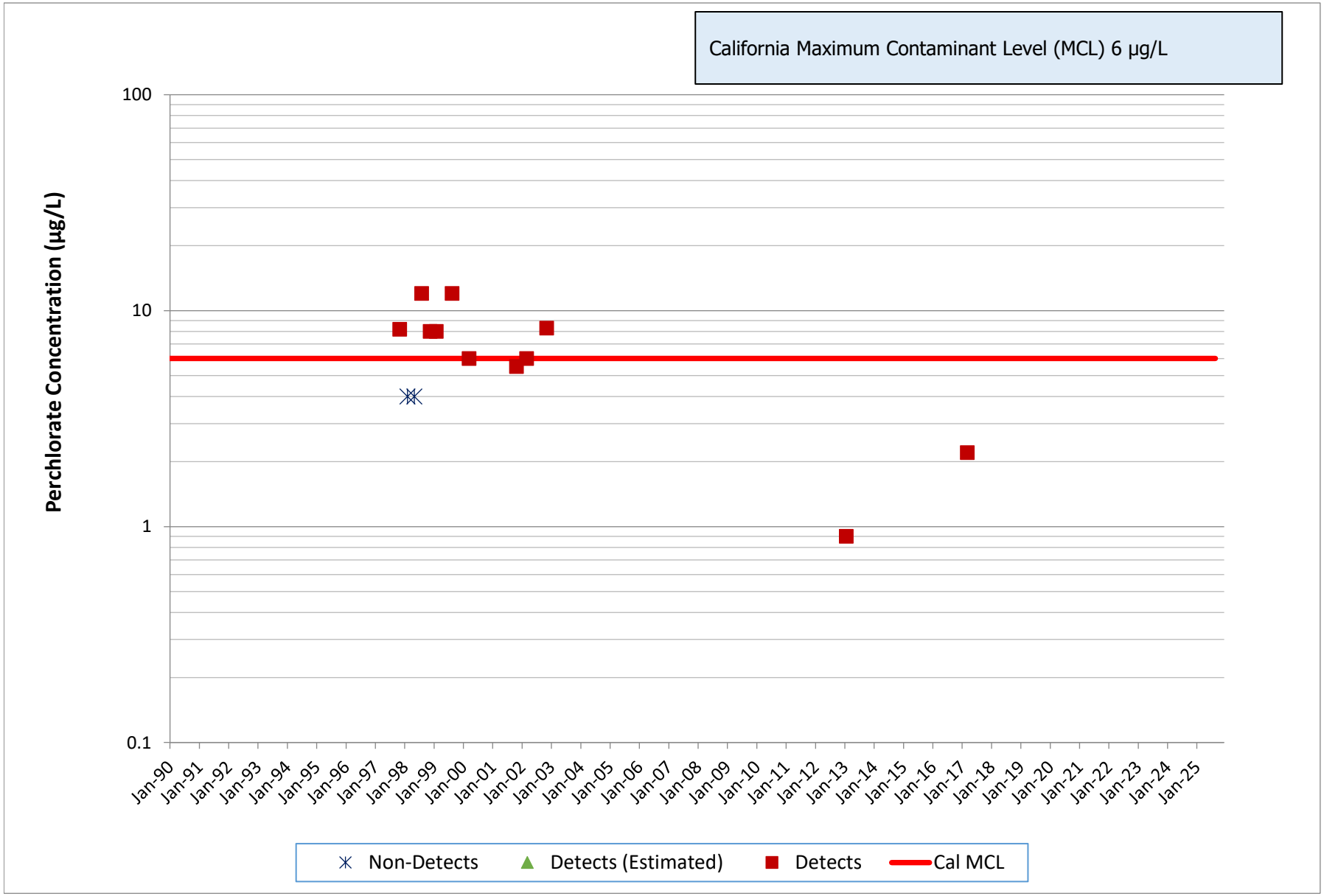
RD-54A, FSDF/ESADA
Perchlorate



RS-18, FSDF/ESADA
Perchlorate

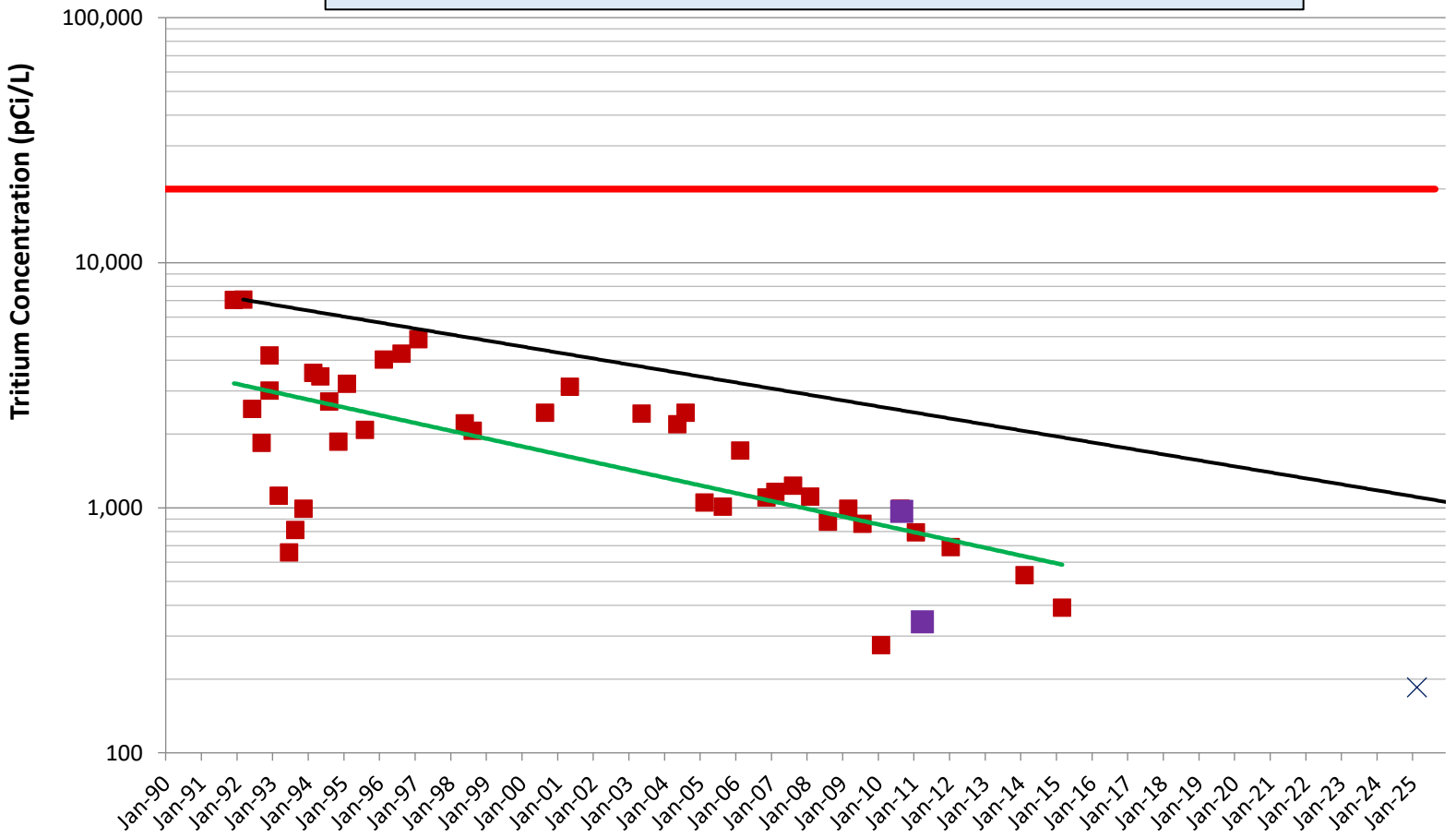


RS-54, FSDF/ESADA
Perchlorate



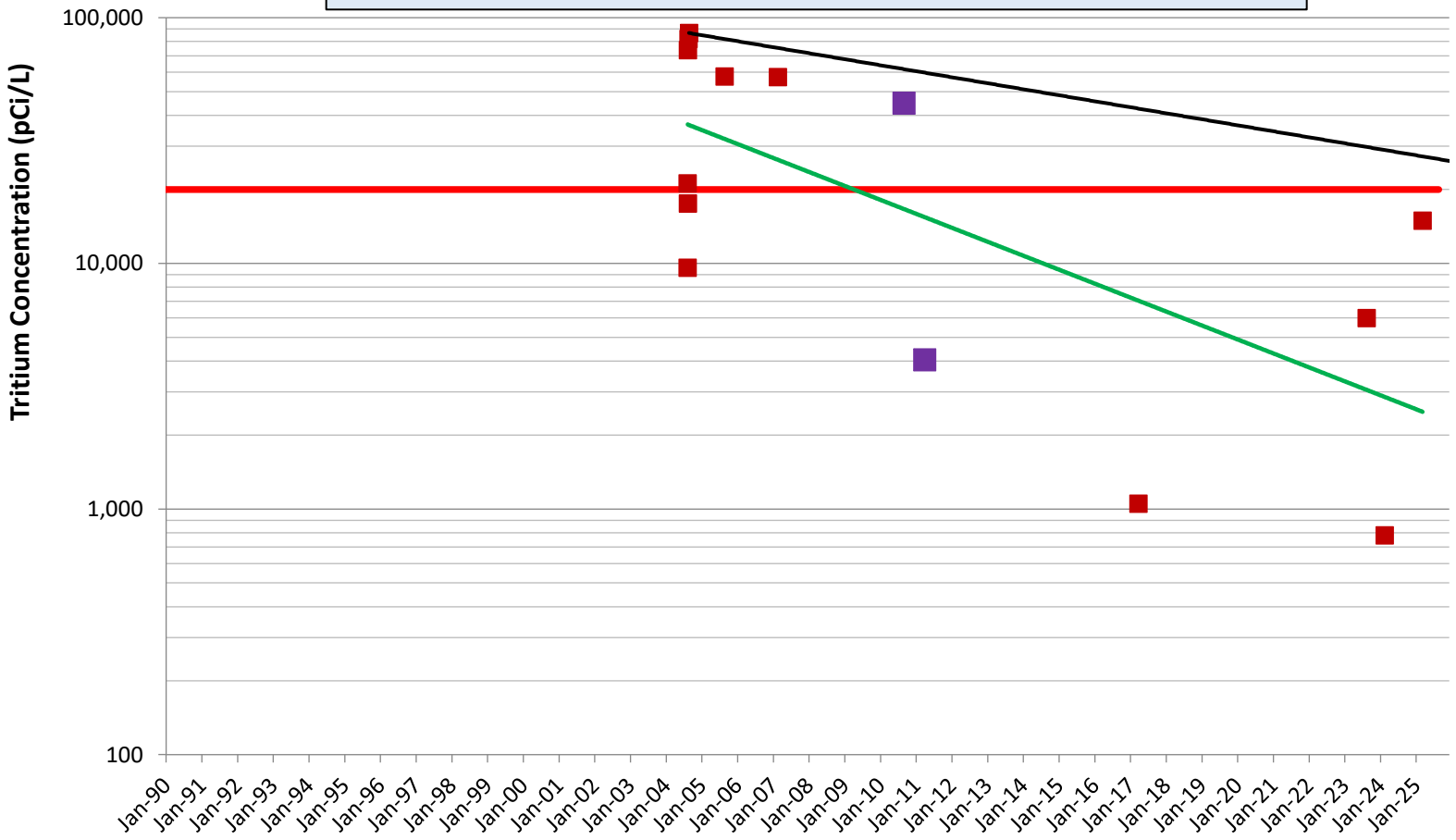
RD-34A, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.



RD-88, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.

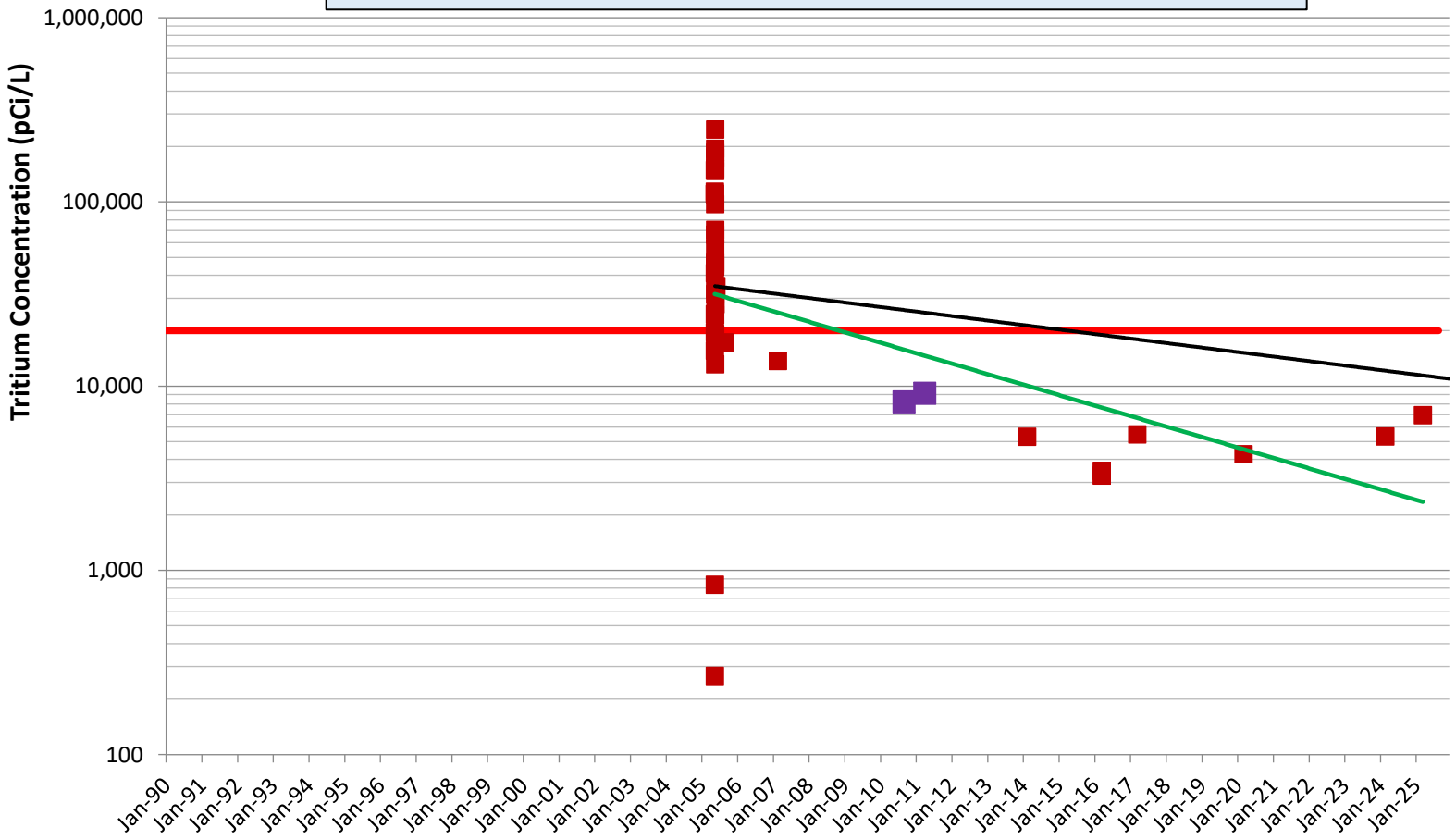


RD-90, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.

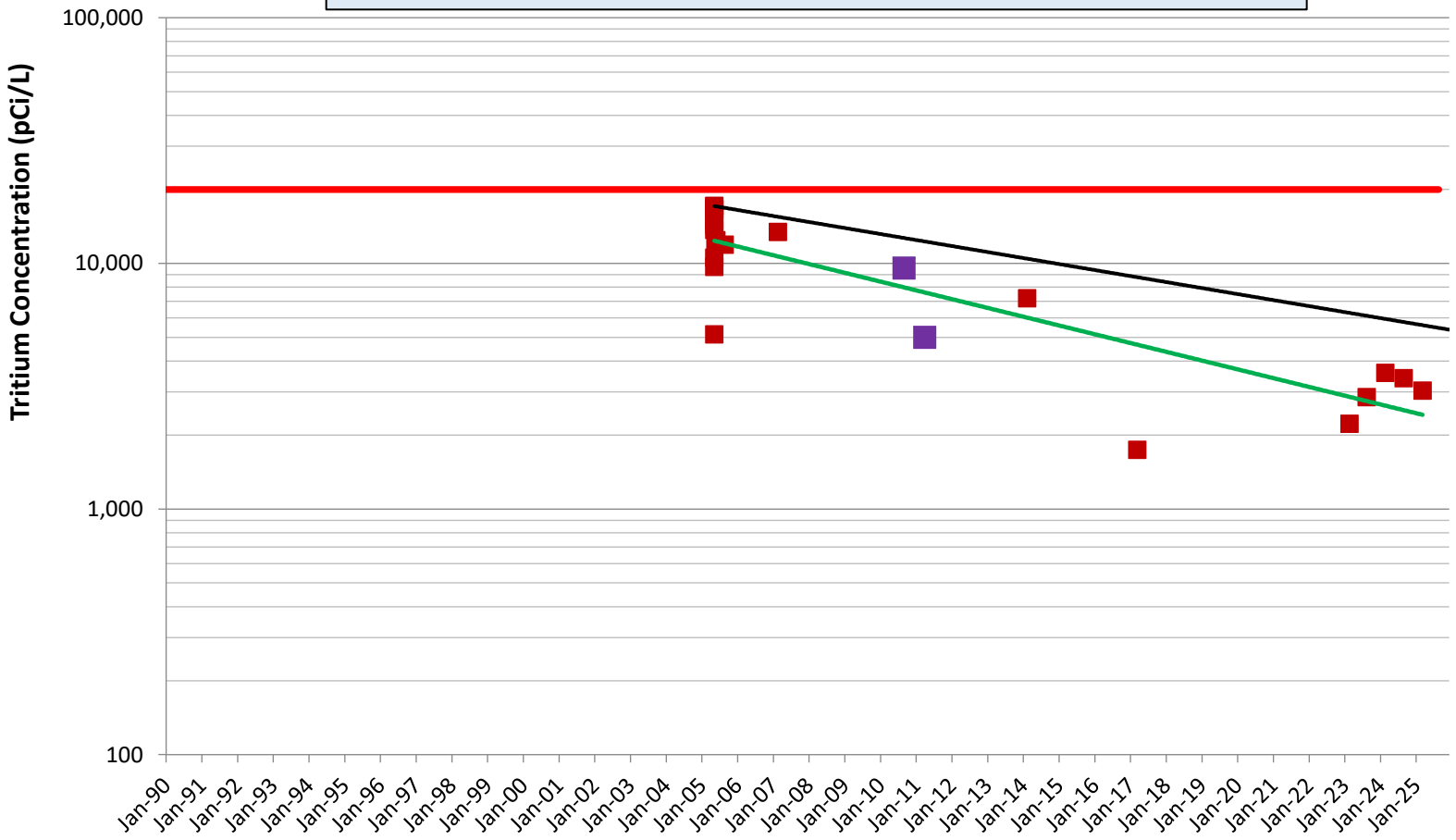
RD-93, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.



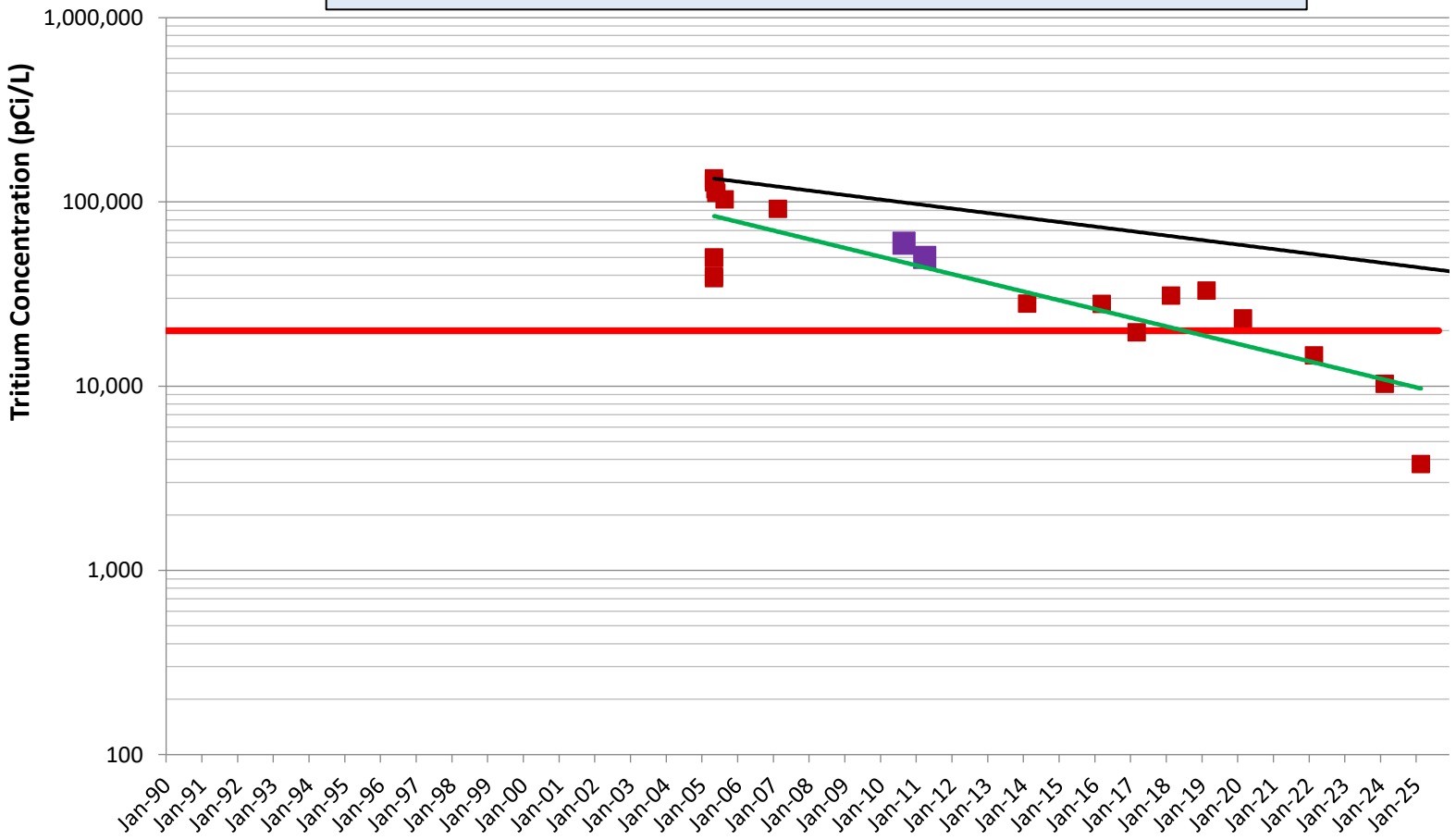
RD-94, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.



RD-95, Tritium Plume
Tritium

Maximum Contaminant Level (MCL) is 20,000 picoCuries per liter (pCi/L).
10 to 20 pCi/L for current tritium in precipitation at SSFL.
Negative activity reported data has been removed and vertical axis has been set to 0.
Tritium Decaying Fit Line ($t_{1/2}$ = 12.32 years) set at highest detected value.
Exponential trendline generated from detected tritium.



Appendix E
Quality Assurance Assessment

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1. INTRODUCTION

This appendix summarizes the data validation completed for groundwater monitoring in 2025. The data were validated following the protocols outlined in the following documents and analytical methods:

- *Statement of Work Data Validation Services Santa Susana Field Laboratory Area IV, Ventura County, California.*
- U.S. EPA, 2017a, *U.S. EPA National Functional Guidelines for Organic Superfund Methods Data Review,* OLEM 9355.0-136 EPA-540-R-2017-002, January.
- U.S. EPA, 2017b, *U.S. EPA National Functional Guidelines for Inorganic Superfund Methods Data Review,* OLEM 9355.0-135 EPA-540-R-2017-001, January.
- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, EPA publication SW-846, Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), and V (2015).
- *Multi Agency Radiological Laboratory Analytical Protocols, MARLAP, Manual*, EPA 402-B-04-001A, July 2004.
- *Evaluation of Radiochemical Data Usability, ES/ER-MS-5,* April 1997.
- North Wind, 2025b, *Field Sampling Plan for Groundwater Monitoring at the Santa Susana Field Laboratory, Area IV,* FSP-080300, Revision 2, December.
- North Wind, 2025c, *Quality Assurance Project Plan for Groundwater Monitoring at the Santa Susana Field Laboratory, Area IV,* QAPP-GW-080300, Revision 2, December.

Sections 2 and 3 correspond to the Quarter 1 (Q1) and Quarter 3 (Q3) monitoring events, respectively. Each section provides an overview of the data set for that quarter with findings from the validation effort. Section 4 addresses the data review process. Section 5 describes data quality indicators.

2. QUARTER 1 2025 ASSESSMENT

2.1 Overview

The SSFL data set for Q1 2025 consisted of 180 water samples, including quality control samples (matrix spikes/matrix spike duplicates [MS/MSD], field blanks, rinsate blanks, trip blanks, and field duplicates) analyzed/reported by GEL Laboratories. Eight sample delivery groups (SDGs) were reported:

- 709872
- 709872-1
- 709872-2
- 710774
- 711456
- 711732
- 713072
- 713383

Three SDGs (709872, 709872-1, and 709872-2) underwent a Level IV EPA validation. The remaining SDGs underwent a Level III EPA validation. Table E-1 shows the number and type of samples collected for the Q1 2025 sampling effort. Attachment 1 provides a complete sample ID table.

Table E-1. Samples collected for SSFL Area IV groundwater sampling, Q1 2025.

Sample Type	Number of Samples
Field Samples	61 Samples
Matrix Spikes	45 Samples
Matrix Spike Duplicates	41 Samples
Trip Blanks	15 Samples
Field Blanks	1 Sample
Rinsate Blanks	4 Samples
Field Duplicates	13 Samples

The samples were analyzed for volatile organic compounds (VOCs); 1,4-dioxane via selective ion monitoring (SIM); diesel-range organics (DRO); gasoline-range organics (GRO); fluoride and nitrate; total and dissolved metals including mercury; total and dissolved radiochemical (Rad) analyses (isotopic uranium [U], gamma spectroscopy, gross alpha/beta, strontium-90 [Sr-90], radium-226 [Ra-226], Ra-228); and tritium. Table E-2 shows the requested analyses, analytical methods, and number of normal samples analyzed for each analysis.

Table E-2. Summary of analyses, Q1 2025.

Analysis	Method[2]		Number of Normal Samples Analyzed
Volatile Organic Compounds[1]	USEPA SW-846 8260		60
1,4-Dioxane	USEPA SW-846 8270D Selective Ion Monitoring (SIM)		61
DRO and/or GRO[1]	USEPA SW-846 8015D		48
Perchlorate	USEPA SW-846 6850		14
Fluoride and Nitrate	EPA 300.0		20
Metals (Total & Dissolved)	USEPA SW-846 6010 (sodium only) USEPA SW-846 6020B USEPA SW-846 7470A		45 (each, total & dissolved) 54 (each, total & dissolved) 54 (each, total & dissolved)
Radiochemical Analyses (Total & Dissolved)	Isotopic U	DOE EML HASL-300, U-02-RC Modified	19 Total 19 Dissolved
	Gamma Spectroscopy	EPA 901.1	19 Total 19 Dissolved
	Gross Alpha/Beta	EPA 900.0/SW846 9310	19 Total 19 Dissolved
	Strontium-90 (Sr-90)	EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	19 Total 19 Dissolved
	Radium-226 (Ra-226)	EPA 903.1 Modified	19 Total 19 Dissolved
	Radium-228 (Ra-228)	EPA 904.0/SW846 9320 Modified	19 Total 19 Dissolved
Radiochemical Analysis	Tritium	EPA 906 Modified	11 Tritium

[1] The planned Q1 analysis of DRO and VOCs at well DS-48 was not completed. The analyses were included on the chain of custody but were inadvertently not analyzed by the laboratory. This location will be resampled and analyzed for both VOCs and DRO in Q3 2025.

[2] For accuracy and completeness, the methods listed are specifically referenced as reported by the laboratory. However, for discussion purposes, methods will be referred to by their number only throughout the remainder of the assessment (e.g., 8270 in place of 8270D).

2.2 Data Quality Summary

The following subsections present the percentage of usable data for each method subset, considering both normal samples and field duplicates, as well as discussions of sample results impacted by deviations in laboratory QC criteria (e.g., calibration failures), when applicable. Discussions of the field QC, such as field blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs), are presented after the individual method discussions in Sections 2.2.7 and 2.2.8, as necessary.

A summary of all data validation qualifiers applied during the Q1 2025 assessment is provided in Section 2.3.

2.2.1 Fluoride and Nitrate by EPA Method 300.0

The SSFL anions data set consists of 20 water samples analyzed for fluoride/nitrate. Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.2 Total and Dissolved Metals by USEPA SW-846 Methods 6010, 6020 and 7470

The SSFL metals data set consists of 54 water samples analyzed for total and dissolved metals using a combination of USEPA SW-846 Methods 6010 (sodium only – 45 samples), 6020, and 7470 (mercury only). In addition to the field QC discussed in Sections 2.2.8–2.2.10, the following findings were made in review of the laboratory QC:

- In SDG 713383:
  - The recoveries for internal standard Sc 45 were outside of acceptance limits during the analyses of the samples. The results reported for the associated target analytes in the impacted samples have been qualified "J" or "UJ" as appropriate on this basis.
  - The recoveries for internal standard Ge 74 were outside of acceptance limits during the analyses of samples RD-93_031225_19F_L (total), RD-93_031225_19F_L (dissolved), and RD93_031225_19R_L (total). The results reported for the associated target analyte in the impacted samples have been qualified "UJ" on this basis.
- In SDGs 709872, 709872-1, and 709872-2:
  - Vanadium was positively identified in the method blanks associated with the following samples: DD-159_021725_01_L (total and dissolved), DD-158_021825_01_L (total and dissolved), and RD-34A_021825_01_L (total and dissolved). The positive results reported for the impacted analyte in the associated samples have been evaluated and qualified as appropriate per validation guidance.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.3 1,4-Dioxane by USEPA SW-846 Method 8270 SIM

The SSFL 1,4-dioxane data set consists of 61 water samples. In addition to the field QC discussed in Sections 2.2.8–2.2.10, the following findings were made in review of the laboratory QC:

- In SDGs 709872, 709872-1, and 709872-2:

- The preparation holding time for sample RD-95_022125_01_L was exceeded by six days. The result reported for the impacted sample has been qualified "J-" on this basis.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.4 Volatile Organic Compounds by USEPA SW-846 Method 8260

The SSFL VOC data set consists of 60 water samples. In addition to the field QC discussed in Sections 2.2.8–2.2.10, the following findings were made in review of the laboratory QC:

- In SDGs 709872, 709872-1, and 709872-2:
  - The percent difference (%D) for 1,1,2-trichloro-1,2,2-trifluoroethane was outside acceptance limits in the initial calibration and continuing calibration verification (CCV). The results reported for the impacted analyte in the associated samples were not detected and have been qualified "UJ" on this basis. Affected samples include: RD-19_022025_78_L, RD-96_022025_01_L, RD-95_022125_01_L, RD-19_022025_01_L, RD-97_022125_01_L, and DS-43_022125_01_L.
  - The %D for 1,1-dichloroethene was outside acceptance limits in the CCV associated with the samples RD-97_022125_01_L, RD-95_022125_01_L, and DS-43_022125_01_L in these SDGs. The results reported for the impacted analyte in the associated samples were not detected and have been qualified "UJ" on this basis.
- In SDGs 710774 and 711456:
  - The %D for 1,1,2-trichloro-1,2,2-trifluoroethane was outside acceptance limits in the ICV and CCV associated with the following samples: DD-157_022825_78_L, PZ-166_022825_01_L, DD-146_022825_01_L, DD-157_022825_01_L, and PZ-168_022825_01_L. The results for the impacted analyte in the associated samples have been qualified "UJ" on this basis.
  - Sample PZ-103_022725_01_L was not re-analyzed for potential carryover of trichloroethene. The detection was at 0.54 µg/L by the lab, with the previous sample's concentration of trichloroethene at 156 µg/L. Based on professional judgment the result for trichloroethene in the impacted sample has been qualified "J+", estimated with a high bias.
- In SDGs 711732 and 713072:
  - Samples RD-21_030625_01_L, PZ-162_030325_01_L, and PZ-163_030325_01_L were analyzed one day outside the analytical holding time for trichloroethene due to required dilutions or suspected carryover issues. The results reported for the impacted analyte in the associated samples have been qualified "J" on this basis.
  - Sample RD-64_030525_01_L was analyzed one day outside the analytical holding time for 1,1-dichloroethene due to suspected carryover issues. The result reported for the impacted analyte in the associated sample has been qualified "J" on this basis.
  - The %D for 1,1-dichloroethene was outside acceptance limits in the CCV associated with samples RD-22_030525_01_L, DD-140_030525_01_L, and DS-46_030525_01_L in these SDGs. The results for the impacted analyte in the associated samples were all not detected and have been qualified "UJ" on this basis.
  - The %D for 1,1,2-trichloro-1,2,2-trifluoroethane was outside acceptance limits in the ICV associated with the following samples: PZ-169_030325_78_L, PZ-163_030325_01_L, PZ-120_030425_01_L, PZ-169_030325_01_L, PZ-162_030325_01_L, PZ-121_030425_01_L, PZ-165_030325_01_L, and PZ-120_030425_78_L. The results reported for the impacted analyte in the associated samples have been qualified "J" or "UJ", as appropriate on this basis.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.5 Gasoline-Range Organics (GRO) and Diesel-Range Organics (DRO) by USEPA SW-846 Method 8015

The SSFL GRO/DRO data set consists of 48 water samples. In addition to the field QC discussed in Sections 2.2.8–2.2.10, the following findings were made in review of the laboratory QC:

- In SDGs 709872, 709872-1, and 709872-2:
    - Laboratory control sample (LCS)/LCS duplicate (LCSD) evaluations were performed in association with the samples in this SDG. No problems were found for this criterion with the following exceptions: Poor precision was observed for the LCS/LCSD pair for DRO performed in association with the following samples: DD-158_021825_36_L, RD-19_022025_01_L, RD-96_022025_01_L, RD-95_022125_01_L, and RD-14_021925_01_L. Positive sample results reported for the impacted analyte in the associated samples have been qualified estimated "J" on this basis.
- In SDGs 710774 and 711456:
    - LCS/LCSD evaluations were performed in association with the samples in this SDG. Poor precision was observed for the LCS/LCSD pair for DRO in association with the following samples: RD-07_022425_01_L, RD-29_022525_01_L, PZ-105_022525_01_L, RD-74_022425_01_L, and PZ-122_022525_01_L. Positive samples results reported for the impacted analyte in the associated sample have been qualified estimated "J" on this basis.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.6 Perchlorate by USEPA SW-846 Method 6850

The SSFL perchlorate data set consists of 14 water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.7 Radiochemical Analyses

The SSFL radiochemical data set consists of 19 water samples for each of the following radiochemical parameters: total and dissolved isotopic uranium, total and dissolved gamma spectroscopy, total and dissolved gross alpha/beta, total and dissolved strontium-90, total and dissolved Ra-226, and total and dissolved Ra-228. Only 11 radiochemical samples were analyzed for tritium. In addition to the field QC discussed in Sections 2.2.8–2.2.10, the following findings were made in review of the laboratory QC:

- In SDG 713383:
    - The laboratory applied the qualifier "UI" as indicating "Uncertain Identification" due to false positive identifications. The following impacted samples and associated analytes listed have been qualified "UJ", estimated non-detect on this basis: Actinium-228 in sample RD-59A_030725_01_L DISSOLVED and Cesium-137 in sample RD-93_031225_19F_L DISSOLVED.

- In SDGs 709872, 709872-1, and 709872-2:
  - The laboratory applied the qualifier "UI" as indicating "Uncertain Identification" due to false positive identifications. The following impacted samples and associated analytes listed have been qualified "UJ", estimated non-detect on this basis: actinium-228 in samples RD-63_021725_01_L and PZ-116_021925_01_L DISSOLVED, potassium-40 in sample DD-159_021725_01_L DISSOLVED, and barium-133 in sample DD-159_021725_01_L.
- In SDG 710774:
  - The laboratory applied the qualifier "UI" as indicating "Uncertain Identification" due to false positive identifications. Potassium-40 for sample RD-19_022025_01_L DISSOLVED has been qualified "UJ", estimated non detect on this basis.
  - The chemical carrier data for the strontium-90, radium-228, and isotopic uranium analyses met the stipulated tolerance limits in all cases with the following exception. The observed carrier recovery in sample RD-95_022125_01_L was lower than the lowest acceptable limit during the strontium-90 analysis. The result reported in the impacted sample was not detected and has been qualified "UJ" on this basis.
- In SDG 711732:
  - The laboratory applied the qualifier "UI" as indicating "Uncertain Identification" due to false positive identifications. The impacted samples and associated analytes have been qualified "UJ", estimated non-detect on this basis. Sample and analyte combinations included: cesium-137 in sample DD-144_030425_01_L_Dissolved and americium-241 in sample PZ-103_022725_01_L_Dissolved.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

2.2.8 Trip Blanks and Field Blanks

Fifteen trip blank samples, four rinsate blank samples, and one field blank sample were collected and are listed in Table E-3.

2.2.8.1 Field Blank Results

All field blank results were either non-detect or qualified "U" and no data qualification was warranted.

2.2.8.2 Rinsate Blank Results

The following rinsate blanks had detections for acetone and methylene chloride: DD-144_030425_19R_L, PZ-005_030425_19R_L, and RS-18_030725_19R_L; and associated samples were qualified appropriately. However, trip blanks associated with these samples also had detections for acetone and methylene chloride, indicating that it is unlikely the rinsate blank contamination is a result of inadequate decontamination procedures. All remaining rinsate blank results were either non-detect or qualified "U" and no further data validation qualifications were warranted. All field blank results are considered usable for their intended purpose.

2.2.8.3 Trip Blank Results

While a majority of the rinsate blank results were either non-detect or qualified "U", multiple trip blanks had detections below their respective RLs, and "J" validation flags were applied, primarily for methylene chloride and acetone. However, none of the trip blank detections resulted in rejected data, and all trip blank results are considered usable for their intended purpose.

Table E-3. Trip/rinsate/field blanks, Q1 2025.

Sample Delivery Group	Sample ID	Analysis	Quality Control (QC) Type
713383	RD-93_031225_19F_L	Anions, DRO and/or GRO, Metals, Perchlorate, Rad, and VOCs	Field Blank
711732	DD-144_030425_19R_L	Anions, DRO and/or GRO, Metals, Perchlorate, Rad, and VOCs	Rinsate Blank
	PZ-005_030425_19R_L	Anions, DRO and/or GRO, Metals, Perchlorate, Rad, and VOCs	
713072	RS-18_030725_19R_L	DRO and/or GRO, Perchlorate, and VOCs	Rinsate Blank
713383	PZ-005_030425_19R_L	Rad	Rinsate Blank
	RD-93_031225_19R_L	Anions, DRO and/or GRO, Metals, Perchlorate, Rad, and VOCs	
	RS-18_030725_19R_L	Anions, Metals, and Rad	
709872	DD-158_021825_78_L	DRO and/or GRO and VOCs	Trip Blank
	DD-159_021725_78_L	DRO and/or GRO and VOCs	Trip Blank
709872-1	RD-19_022025_78_L	DRO and/or GRO and VOCs	Trip Blank
710774	RD-24_022625_78_L	DRO and/or GRO and VOCs	Trip Blank
	RD-98_022525_78_L	DRO and/or GRO and VOCs	Trip Blank
	RS-28_022425_78_L	DRO and/or GRO and VOCs	Trip Blank
711456	DD-157_022825_78_L	DRO and/or GRO and VOCs	Trip Blank
711732	DD-144_030425_78_L	DRO and/or GRO and VOCs	Trip Blank
	PZ-120_030425_78_L	DRO and/or GRO and VOCs	Trip Blank
	PZ-169_030325_78_L	DRO and/or GRO and VOCs	Trip Blank
	RD-54B_030625_78_L	DRO and/or GRO and VOCs	Trip Blank
713072	RS-18_030725_78_L	DRO and/or GRO and VOCs	Trip Blank
713383	C-08_031125_78_L	DRO and/or GRO and VOCs	Trip Blank
	DD-147_031225_78_L	DRO and/or GRO and VOCs	Trip Blank
	RD-94_031025_78_L	DRO and/or GRO and VOCs	Trip Blank

2.2.9 Field Duplicates

Thirteen pairs of field duplicates were collected during the SSFL Area IV groundwater Q1 2025 sampling effort and are listed in Table E-4.

In some cases, relative percent difference (RPD) exceedances of 200% were noted but were the result of comparisons between non-detects and estimated detections below the lab's quantitation limits; as a result, these exceedances are considered inconsequential, and the results are considered acceptable. Nickel (67.4%) and zinc (50.7%) exceeded their 30% RPD criteria in field duplicate pair PZ-165_030325_01_L/PZ-165_030325_36_L. DRO (41.1%) exceeded the 35% RPD criterion in field duplicate pair DD-158_031025_01_L/DD-158_031025_36_L. Zinc – total (36.8%) and zinc – dissolved (106.1%) exceeded the 30% RPD criteria in field duplicate pair RD-59C_030725_01_L/ RD-59C_030725_36_L.

All remaining field duplicate precision results were within the ±35% RPD criterion.

Table E-4. Field duplicates, Q1 2025.

Sample Delivery Group	Parent ID	Field Duplicate ID	Analysis
709872	DD-158_021825_01_L	DD-158_021825_36_L	DRO and/or GRO
	RD-63_021725_01_L	RD-63_021725_36_L	VOCs, Rad, and Anions
709872-2	RD-14_021925_01_L	RD-14_021925_36_L	Metals
710774	PZ-104_022725_01_L	PZ-104_022725_36_L	Anions
	RD-07_022425_01_L	RD-07_022425_36_L	Perchlorate
	RD-29_022525_01_L	RD-29_022525_36_L	VOCs
711732	PZ-005_030425_01_L	PZ-05_030425_36_L	VOCs
	PZ-162_030325_01_L	PZ-162_030325_36_L	DRO and/or GRO
	PZ-165_030325_01_L	PZ-165_030325_36_L	Metals
713383	C-08_031125_01_L	C-08_031125_36_L	DRO and/or GRO
	DD-158_031025_01_L	DD-158_031025_36_L	DRO and/or GRO
	RD-59C_030725_01_L	RD-59C_030725_36_L	Metals
	RD-90_031125_36_L	RD-90_031125_36_L	VOCs

2.2.10 Matrix Spikes and Matrix Spike Duplicates

The precision target for the MS/MSDs of this project is 20%. Findings were as follows:

- In SDGs 709872, 709872-1, and 709872-2:
  - Sample DS-43_022125_01_L was submitted for MS/MSD and/or matrix duplicate evaluations for total metals via SW-846 method 6020 and total mercury. Upon evaluation, all accuracy and precision indicators were acceptable with the following exception: The observed MS and post digestion spike (PDS) recoveries for mercury were less than the lowest acceptance limit. The mercury result reported for the parent sample has been qualified "UJ" on this basis.
  - Sample PZ-116_021925_01_L was submitted for MS/MSD and/or matrix duplicate evaluations for total metals via SW-846 methods 6010 and 6020 and total mercury. Upon evaluation, all accuracy and precision indicators were acceptable with the following exception: The observed MS and PDS recoveries for mercury were less than the lowest acceptance limit. The mercury result reported for the parent sample has been qualified "UJ" on this basis.
- In SDG 710774:
  - Sample DD-142_022625_01_L was submitted for MS/MSD evaluation in association with this SDG. The observed recoveries for perchlorate were lower than the lowest acceptance limits in the MS and MSD. The result reported for perchlorate in the parent sample has been qualified "J" on this basis.
- In SDG 711732:
  - Sample PZ-005_030425_01_L was submitted for MS/MSD and/or matrix duplicate evaluations for all anions by EPA Method 300.0 in association with this SDG. Upon evaluation, all precision and accuracy indicators were favorable with the following exceptions. The observed MS and MSD recoveries were higher than the highest acceptance limit for nitrate. The nitrate result reported for the parent sample has been qualified "J+" on this basis.

Data validation found that all precision and accuracy indicators as a result of MS/MSD evaluation were acceptable. Any outliers were qualified appropriately and are considered usable for meeting project objectives.

2.3 Summary of Data Validation Qualifications

Qualifications for normal samples were assigned in accordance with the *U.S. EPA Contract Laboratory Program National Functional Guidelines* and included poor initial and continuing calibration criteria; positive blank detections; poor LCS, LCSD, MS/MSD, and serial dilution sample (SDS) performance; and results reported below the quantitation limits. Table E-5 summarizes the findings and data qualifications assigned to SSFL Area IV Groundwater Q1 2025 data results. Please refer to Attachment 2 for definitions of the data validation qualifiers.

Table E-5. Summary of data validation qualifications, Q1 2025.

Validation Qualifier:		**J**	**J-**	**J+**	**UJ**	**U or Not Qualified**
Method	**Total # Records**	**# Records**	**# Records**	**# Records**	**# Records**	**# Records**
Anions	23	1	--	1	--	21
DRO and/or GRO	89	33	--	--	1	55
Metals	1926	306	--	--	60	1560
Perchlorate	15	4	--	--	--	11
Rad	885	6	--	--	14	865
VOCs*	1381	74	1	1	20	1285

Note: Assessments provided in this table are for normal and field duplicate samples only.
-- Indicates that no records for the specified method were qualified with the specified validation qualifier.
* Includes 1,4-dioxane

2.4 Assessment of Data Usability and Reconciliation with the Site-Wide WQSAP Goals

For the Q1 2025 groundwater sampling, 100.0% of the data validated and reported in this quality assurance summary are suitable for their intended use for site characterization.

The reporting limits (RLs) reported generally met the expected limits proposed by the analytical laboratories in their subcontract agreements with North Wind except for the analytes identified previously. Sample results that were qualified as estimated are usable for project decisions. Decisions based on results close to the RL should be made with a degree of caution.

The field duplicate precision criteria were met and the field duplicate error ratio (DER)<2 criterion was met for all radiological samples.

The completeness goal for the number of samples collected was met. The completeness goal for the number of sample results acceptable for use provides sufficient quality data to support project decisions for the wells that were sampled during this sampling event.

3. QUARTER 3 2025 ASSESSMENT

3.1 Overview

The SSFL data set for Q3 2025 event consisted of 94 water samples, including quality control samples (MSs/MSDs, field blanks, rinsate blanks, trip blanks, and field duplicates) analyzed/reported by Eurofins Calscience, Eurofins Sacramento, and Eurofins St. Louis. For QC purposes, all samples were sent by North Wind to Eurofins Calscience, which would then disseminate appropriate samples to its Sacramento and St. Louis locations for specialty analysis (e.g., Radiochemical by St. Louis). All data were reported through Eurofins Calscience, regardless of analysis location. A total of 25 SDGs were reported:

- 570-242220-1
- 570-242220-2
- 570-242374-1
- 570-242572-1
- 570-242929-1
- 570-243129-1
- 570-243308-1
- 570-243431-1
- 570-243604-1
- 570-243798-1
- 570-243985-1
- 570-242928-1
- 570-244152-1
- 570-244151-1
- 570-244369-1
- 570-243307-1
- 570-242375-1
- 570-242573-1
- 570-242748-1
- 570-242928-2
- 570-243307-2
- 570-243430-1
- 570-243605-1
- 570-243797-1
- 570-244369-2

Data from the following SDG/method combinations underwent a Level IV USEPA validation, comprised of at least 10% of the overall data per analysis for the Q3 event:

- 570-242374-1 – VOCs and Metals (including Mercury)
- 570-243129-1 – SVOCs and Formaldehyde
- 570-242929-1 – 1,4-Dioxane, PCBs, and PAHs
- 570-242220-1 – NDMA and Pesticides
- 570-242220-2 – GRO/DRO and Dioxins
- 570-243604-1 – Herbicides
- 570-242928-2 – Tritium
- 570-242748-1 – Radiochemical (excluding Tritium).

The remaining SDG/method combinations underwent a Level III EPA validation. Table E-6 shows the number and type of samples collected for the SSFL Area IV groundwater Q3 2025 sampling effort. Attachment 1 provides a full sample ID table.

Table E-6. Samples collected for SSFL Area IV groundwater sampling, Q3 2025.

Sample Type	Number of Samples
Field Samples	36*
Matrix Spikes	17
Matrix Spike Duplicates	16
Trip Blanks	9
Field Blanks	1
Rinsate Blanks	2
Field Duplicates	13

* Thirty-six samples are presented due to RD-14 being sampled on two separate occasions for separate analyses; thus, RD-14 has two separate sample IDs.

The samples were analyzed for:

- VOCs;
- 1,4-dioxane via SIM;

- Semi-volatile organic compounds (SVOCs);
- Polycyclic aromatic hydrocarbons (PAHs) via SIM;
- Polychlorinated biphenyls (PCBs) as Aroclors;
- N-nitrosodimethylamine (NDMA);
- Dioxins;
- Formaldehyde;
- DROs and GROs;
- Total and dissolved metals including mercury;
- Perchlorate;
- Total and dissolved radiochemical (Rad) analyses, including isotopic uranium [U], gamma spectroscopy, gross alpha/beta, strontium-90 [Sr-90], radium-226 [Ra-226], Ra-228;
- Tritium.

Table E-7 shows the requested analyses, analytical methods, and number of normal samples analyzed for each analysis.

Table E-7. Summary of analyses for SSFL Area IV groundwater sampling, Q3 2025.

Analysis	Method[1]		Number of Normal and Duplicate Samples Analyzed
VOCs	USEPA SW-846 8260B		12
SVOCs	USEPA SW-846 8270C		6
PAHs	USEPA SW-846 8270C SIM		15
1,4-Dioxane	USEPA SW-846 8270C SIM		12
PCBs	USEPA SW-846 8082A		13
NDMA	Nitrosamines by Isotope Dilution		2
Dioxins and Furans	USEPA SW-846 8290A		6
Formaldehyde	USEPA SW-846 8315A		4
Pesticides	USEPA SW-846 8081B		6
Herbicides	USEPA SW-846 8151A		5
DRO and/or GRO	USEPA SW-846 8015B		5
Metals + Mercury (Total & Dissolved)	USEPA SW-846 6020B USEPA SW-846 7470A		10 (each, Total & Dissolved) 10 (each, Total & Dissolved)
Perchlorate	USEPA SW-846 6850		4
Radiochemical Analyses (Total & Dissolved)	Isotopic U	U-02	12 Total 12 Dissolved
	Gamma Spectroscopy	EPA 901.1	12 Total 12 Dissolved
	Gross Alpha/Beta	EPA 900.0	12 Total 12 Dissolved
	Strontium-90 (Sr-90)	EPA 905.0	12 Total 12 Dissolved
	Radium-226 (Ra-226)	EPA 903.0	12 Total 12 Dissolved
	Radium-228 (Ra-228)	EPA 904.0	12 Total 12 Dissolved
Radiochemical Analysis	Tritium	EPA 906.0	4

[1] For accuracy and completeness, the methods listed are specifically referenced as reported by the laboratory. However, for discussion purposes, methods will be referred to by their number only throughout the remainder of the assessment (e.g., 8260 in place of 8260B).

3.2 Data Quality Summary

The following subsections present the percentage of usable data for each method subset, considering both normal samples and field duplicates, as well as discussions of sample results impacted by deviations in laboratory QC criteria (e.g., calibration failures), when applicable. Discussions of the field QC, such as field blanks, field duplicates, and MS/MSDs, are presented after the individual method discussions in Sections 3.2.15–3.2.17, as necessary. A summary of all data validation qualifiers applied during the Q3 2025 assessment is provided in Section 3.3.

Note: QC deviations that were determined not to have any adverse impact on project sample data quality (i.e., did not require validation qualification) during the validation process are discussed in the individual validation reports but are not presented in this summary.

3.2.1 Volatile Organic Compounds by USEPA SW-846 Method 8260

The SSFL VOC data set consists of 12 water samples (including duplicates). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-242929-1: Both acetone (-22.6%) and 2-butanone (-21.1%) differed (>20%) in the CCV analyzed on 25 August 2025. Both acetone and 2-butanone in all samples were non-detect and have been qualified with a "UJ" validation flag as the negative bias in the CCV difference suggests a low bias. Affected samples were limited to DS-48_081525_01_L and RD-20_081525_78_L.
- In SDG 570-243431-1: Both acetone (-24.1%) and 2-butanone (-27.9%) differed (>20%) in the CCV analyzed on 28 August 2025. Both acetone and 2-butanone in all samples were non-detect and have been qualified with a "UJ" validation flag as the negative bias in the CCV difference suggests a low bias. Affected samples were limited to DD-143_082025_01_L, RD-17_082025_01_L, and RD-17_082025_78_L.
- In SDG 570-243798-1: Both acetone (-22.2%) and 2-butanone (-27.8%) differed (>20%) in the CCV analyzed on 30 August 2025. Both acetone and 2-butanone in all samples were non-detect and have been qualified with a "UJ" validation flag as the negative bias in the CCV difference suggests a low bias. Affected samples were limited to RD-34B_082225_01_L and RD-34B_082225_78_L.
- In SDG 570-243985-1: Both acetone (-37.3%) and 2-butanone (-28.7%) differed (>20%) in the CCV analyzed on 03 September 2025. Both acetone and 2-butanone in all samples were non-detect and have been qualified with a "UJ" validation flag as the negative bias in the CCV difference suggests a low bias. Affected samples were limited to PZ-164_082525_01_L, PZ-167_082525_01_L, and PZ-167_082525_78_L.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.2 1,4-Dioxane by USEPA SW-846 Method 8270 SIM

The SSFL 1,4-Dioxane data set consists of 12 water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.3 Semi-Volatile Organic Compounds by USEPA SW-846 Method 8270

The SSFL SVOC data set consists of six water samples (including duplicates). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-243129-1:
  - The LCS and LCSD recovery and precision for benzidine (9% and 51%, respectively) were outside of the 10–120% recovery criteria and 30% RPD criteria. Benzidine in samples PZ-103_081825_01_L and PZ-103_081825_36_L was non-detect and has been qualified with a "UJ" validation flag due to low LCSD recovery, but acceptable LCS recovery.
  - The CCV for hexachlorocyclopentadiene (-23.1%) differed (>20%) in the CCV analyzed on 27 August 2025. Hexachlorocyclopentadiene in sample PZ-103_081825_36_L was non-detect and was qualified with a "UJ" validation flag as the negative bias in the CCV difference suggests a low bias in the sample result.
- In SDG 570-244152-1: The LCS/LCSD recovery for benzidine was 2%/0%, respectively, with acceptance criteria of 10–120%. As benzidine was non-detect in all samples for this SDG, the results were rejected ("R" qualified) during validation. The following samples were qualified: RD-14_082625_19R_L, RD-34C_082625_19R_L, and RD-95_082625_19F_L. All three samples are field QC blanks (see Section 3.2.15).

Following completion of the USEPA Level III and IV validation, three results were rejected ("R"), and all remaining data points are considered usable for evaluating site conditions.

3.2.4 Polycyclic Aromatic Hydrocarbons by USEPA SW-846 Method 8270 SIM

The SSFL PAH data set consists of 15 water samples (including duplicates). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-243308-1: The LCSD recovery (9%) and precision (51%) results for benzidine exceeded the 10–120% recovery and 30% RPD acceptance criteria. In the professional judgment of the validator, benzidine in sample RD-98_081925_01_L was non-detect and was qualified with a "UJ" validation flag due to the low LCSD recovery.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.5 Polychlorinated Biphenyls by USEPA SW-846 Method 8082

The SSFL VOC data set consists of 13 water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.6 Nitrosamines by Isotope Dilution

The SSFL VOC data set consists of two water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.7 Dioxins and Furans by USEPA SW-846 Method 8290

The SSFL VOC data set consists of six water samples (including duplicates). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-242928-2:
  - Positive detections were noted in the method blank for OCDD and OCDF above the estimated detection limit (DL), but below the RL. As a result, OCDF and OCDD in sample RD-20_081525_01_L and OCDF in sample RD-20_081525_36_L have been qualified with a "U" validation flag as the reported concentrations were ≥estimated detection limit but <RL.
  - 1,2,3,4,6,7,8-HpCDD, Total HpCDD, and Total HpCDF in sample RD-20_081525_36_L have been qualified with a "J" validation flag as the reported results were <RL and were reported as estimated maximum possible concentration results, as identified by the laboratory (laboratory "q" qualifier).
- In SDG 570-244151-1: The Isotope Dilution Analyte recovery data were outside of the 40–135% recovery criteria, and non-detect results were qualified with a "UJ" validation flag as follows: OCDD in RD-14_082625_19R_L and 2,3,7,8-TCDD; 1,2,3,7,8-PeCDD; 1,2,3,7,8-PeCDF; 1,2,3,6,7,8-HxCDD; 1,2,3,7,8,9-HxCDD; 1,2,3,4,6,7,8-HpCDF; OCDD; Total TCDD; Total PeCDD; Total PeCDF; Total HxCDD; and Total HpCDF in RD-34C_082625_19R_L.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.8 Formaldehyde by USEPA SW-846 Method 8315

The SSFL VOC data set consists of four water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.9 Pesticides by USEPA SW-846 Method 8081

The SSFL VOC data set consists of six water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.10 Herbicides by USEPA SW-846 Method 8151

The SSFL VOC data set consists of five water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.11 Gasoline-Range Organics (GRO) and Diesel-Range Organics (DRO) by USEPA SW-846 Method 8015

The SSFL GRO/DRO data set consists of five water samples (including duplicates). Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.12 Total and Dissolved Metals by USEPA SW-846 Methods 6020 and 7470

The SSFL metals data set consists of 10 water samples (including duplicates) analyzed for both total and dissolved metals using a combination of USEPA SW-846 Methods 6020 and 7470 (mercury). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-242374-1:
  - Molybdenum was present in a laboratory continuing calibration blank (CCB) that resulted in a biased high ("J+") qualification for total and dissolved molybdenum in sample DS-45_081225_01_L.
  - Antimony was present in the initial calibration blank for total and dissolved sample DS-45_081225_01_L and resulted in a ("U") qualification as the sample result was less than blank concentration.
- In SDG 570-242572-1: Molybdenum was present in a laboratory CCB that resulted in a biased high ("J+") qualification for total and dissolved molybdenum in sample DS-47_081325_01_L.
- In SDG 570-243431-1: Nickel was detected in the CCB and "U" qualified in sample DD-143_082025_01_L, as nickel in both the CCB and sample were <RL.
- In SDG 570-243798-1: Molybdenum was "U" qualified in sample RD-34B_082225_01_L as it was detected in both the CCB and sample <RL.
- In SDG 570-244152-1:
  - Positive detections were noted in the dissolved CCB for sodium. As a result, sodium in sample dissolved RD-95_082625_19F_L has been qualified with a "U" validation flag as both the sample and blank results were <RL.
  - Positive detections were noted in the total CCB for sodium, antimony, copper, molybdenum, and tin. As a result, sodium in samples total RD-95_082625_19F_L and total RD-14_082625_19R_L have been qualified with a "J+" validation flag as the blank result was >RL but <5× the blank concentration. Antimony, copper, molybdenum, and tin have been left unqualified as the sample results were non-detect or the blank detection did not bracket the samples.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.13 Perchlorate by USEPA SW-846 Method 6850

The SSFL perchlorate data set consists of four water samples (including duplicates). In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-242220-1: Three perchlorate samples — DD-145_081125_01_L, DD-158_081125_01_L, and DD-158_081125_36_L — were all qualified as being biased high ("J+") due to calibration exceedances.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.14 Radiochemical Analyses

The SSFL radiochemical data set consists of 12 water samples (including duplicates) for each of the following radiochemical parameters: total and dissolved isotopic uranium, total and dissolved gamma spectroscopy, total and dissolved gross alpha/beta, total and dissolved strontium-90, total and dissolved Ra-226, and total and dissolved Ra-228. Only four radiochemical samples (including duplicates) were analyzed for tritium (total only). Refer to Table A-2 for each parameter's respective analytical method.

In addition to the field QC discussed in Sections 3.2.15–3.2.17, the following findings were made in review of the laboratory QC:

- In SDG 570-242573-1:
  - Positive detections were noted in the method blank results for Ra-228 (MB 160-732416/1-A). Total and dissolved Ra-228 in DS-47_081325_01_L (ND 0.34 and 0.45) exhibited a normalized difference less than 2 and have been qualified with a "UJ" validation flag due to positive method blank detection.
  - The Ra-228 (126%) LCS result (Lab ID 160-732416/2-A) exhibited recovery above the 75–125% acceptance criteria. Total and dissolved Ra-228 in DS-47_081325_01_L would normally be qualified with a "J" validation flag due to high LCS recovery. However, they have been qualified with a "UJ" validation flag due positive method blank detection; the high LCS recovery adds further merit to the qualification.
  - The total and dissolved Ra-226/228 results in DS-47_081325_01_L are reported as detects, due to the sum of the activities being greater than associated minimum detectable amounts. In the professional judgment of the validator, the combined Ra-226/228 results in DS-47_081325_01_L have been qualified with the with a "UJ" validation flag due to positive high LCS recovery and positive method blank detection.
- In SDG 570-242748-1:
  - Total Sr-90 in RD-29_081425_01_L has been qualified with a "J" validation flag due to low carrier recovery.
  - Dissolved Sr-90 in DD-141_081425_01_L has been qualified with a "UJ" validation flag due to low carrier recovery.
  - Total gross beta in RD-29_081425_01_L has been qualified with a "J" validation flag due to positive method blank detection.
  - Dissolved gross beta in RD-29_081425_01_L and DD-141_081425_01_L have been qualified with a "UJ" validation flag due to positive method blank detection.
  - Total Ra-228 in DD-141_081425_01_L has been qualified with a "J" validation flag due to high LCS recovery.
  - Dissolved Ra-228 in DD-141_081425_01_L has been qualified with a "J" validation flag due to high LCS recovery and positive method blank detection.
  - Total and dissolved Ra-228 in RD-29_081425_01_L have been qualified with a "UJ" validation flag due to high LCS recovery and positive method blank detection.
  - Total and dissolved Ra-226/228 in DD-141_081425_01_L have been qualified with a "J" validation flag due to professional judgment regarding the positive method blank detections.
  - Total and dissolved Ra-226/228 in RD-29_081425_01_L have been qualified with a "UJ" validation flag due to professional judgment regarding the positive method blank detections.

- In SDG 570-243307-2:
  - Sr-90 in DS-44_081925_01_L (dissolved) has been qualified with a "UJ" validation flag due to low carrier recovery.
- In SDG 570-243430-1:
  - Dissolved Sr-90 in RD-17_082025_01_L and RD-17_082025_36_L have been qualified with a "UJ" validation flag due to low carrier recoveries.
  - Dissolved gross beta in RD-17_082025_01_L and DD-143_082025_01_L and dissolved gross alpha in DD-143_082025_01_L have been qualified with a "UJ" validation flag due to positive method blank detection.
  - Dissolved gross beta in RD-17_082025_36_L and dissolved Ra-228 in RD-17_082025_36_L have been qualified with a "J" validation flag due to positive method blank detection.
  - Dissolved Ra-226/228 in RD-17_082025_36_L has been qualified with a "J" validation flag due to professional judgment regarding the positive method blank detections.
- In SDG 570-243605-1:
  - Ra-228 in RD-27_082125_01_L (dissolved), Sr-90 in RD-27_082125_01_L, and gross alpha in RD-93_082125_01_L (total) have been qualified with a "J" validation flag due to positive method blank detection.
  - Gross beta in RD-93_082125_01_L (total), gross alpha and gross beta in RD27_082125_01_L (dissolved), Ra-228 in RD-93_082125_01_L (dissolved), Sr-90 in RD-93_082125_01_L (total), Sr-90 in RD-27_082125_01_L (total), and Sr-90 in RD93_082125_01_L (dissolved) have been qualified with a "UJ" validation flag due to positive method blank detection.
  - Ra-226/228 in RD-27_082125_01_L (dissolved) has been qualified with a "J" and Ra-226/228 in RD-93_082125_01_L (dissolved) has been qualified with a "UJ" validation flag due to professional judgment regarding the positive method blank detections.
- In SDG 570-243797-1:
  - Gross beta in RD-34B_082225_01_L (dissolved) and Sr-90 in RD-34B_082225_01_L (total and dissolved) have been qualified with a "UJ" validation flag due to positive method blank detections.
- In SDG 570-244369-2:
  - Sr-90 in RD-95_082625_19F_L (total and dissolved), RD-34C_082625_19R_L (total and dissolved), and RD-14_082625_19R_L (total and dissolved) have been qualified with a "UJ" validation flag due to positive method blank detections.
  - Total U in RD-14_082625_19R_L (total) has been qualified with a "UJ" validation flag due to positive method blank detections.
- In SDG 570-242375-1:
  - Total Sr-90 in RD-54A_081225_01_L has been qualified with a "J" validation flag due to low carrier recovery.
  - Dissolved Sr-90 in RD-54A_081225_01_L has been qualified with a "UJ" validation flag due to low carrier recovery.
  - Total and dissolved Ra-228 in DS-45_081225_01_L and RD-54A_081225_01_L have been qualified with a "UJ" validation flag due to high LCS recovery and positive method blank detection.

- Total and dissolved Ra-226/228 in DS-45_081225_01_L and RD-54A_081225_01_L have been qualified with a "UJ" validation flag due to professional judgment regarding the positive method blank detections.

Following completion of the USEPA Level III and IV validation, all data points are considered usable for evaluating site conditions.

3.2.15 Field Blanks, Rinsate Blanks, and Trip Blanks

One field blank, two rinsate blanks, and nine trip blanks were collected and analyzed during Q3 2025 and are listed in Table E-8.

Table E-8. Field, rinsate, and trip blanks – Q3 2025.

Sample Delivery Group	Sample ID	Analysis	QC Type
570-244151-1	RD-95_082625_19F_L	Dioxins and Furans, Nitrosamines	Field Blank
570-244152-1		Formaldehyde, DRO and/or GRO, Herbicides, Metals, Pesticides, Perchlorate, 1,4-Dioxane, PAHs, PCBs, SVOCs, and VOCs	
570-244369-2		Rad	
570-244151-1	RD-14_082625_19R_L	Dioxins and Furans, Nitrosamines	Rinsate Blank
	RD-34C_082625_19R_L	Dioxins and Furans	
570-244152-1	RD-14_082625_19R_L	Formaldehyde, DRO and/or GRO, Herbicides, Metals, Pesticides, Perchlorate, 1,4-Dioxane, PAHs, PCBs, SVOCs, and VOCs	Rinsate Blank
	RD-34C_082625_19R_L	Formaldehyde, DRO and/or GRO, Herbicides, Metals, Pesticides, Perchlorate, 1,4-Dioxane, PAHs, PCBs, SVOCs, and VOCs	Rinsate Blank
570-244369-2	RD-14_082625_19R_L	Rad	Rinsate Blank
	RD-34C_082625_19R_L	Rad	
570-242374-1	DS-45_081225_78_L	VOCs	Trip Blank
570-242572-1	DS-47_081325_78_L	VOCs	Trip Blank
570-242929-1	RD-20_081525_78_L	GRO and VOCs	Trip Blank
570-243308-1	DS-44_081925_78_L	VOCs	Trip Blank
570-243431-1	RD-17_082025_78_L	VOCs	Trip Blank
570-243604-1	RD-27_082125_78_L	VOCs	Trip Blank
570-243798-1	RD-34B_082225_78_L	VOCs	Trip Blank
570-243985-1	PZ-167_082525_78_L	GRO and VOCs	Trip Blank
570-244152-1	RD-95_082625_78_L	GRO and VOCs	Trip Blank

3.2.15.1 Field Blank Results

The following were noted in review of the field blank data:

- NDMA was detected in field blank RD-95_082625_19F_L at a concentration greater than the RL.
- Acetone (16 µg/L) was detected in field blank RD-95_082625_19F_L.
- Diethyl phthalate was detected >method detection limit (MDL) in field blank RD95_082625_19F_L (2.3 µg/L).
- Benzidine was non-detect in field blank RD95_082625_19F_L but was rejected due to low LCS/LCSD recovery (see Section 3.2.3).
- DRO was detected >RL in field blank RD95_082625_19F_L (82 ug/L). Sample RD-95_082625_19F_L has been qualified with a "J" validation flag due to the blank detections.
- Cobalt, nickel, zinc, and sodium were detected in field blank (total) RD-95_082625_19F.
- Cobalt, zinc, and sodium were detected in field blank (dissolved) RD-95_082625_19F.

Unless otherwise noted, the abovementioned field blank detections did not result in qualification of associated samples, as the sample results were either >5× the blank concentration or non-detect. All remaining field blank results were either non-detect or qualified "U" and no further data validation qualifications were warranted. All field blank results are considered usable for their intended purpose.

3.2.15.2 Rinsate Blank Results

The following were noted in review of the rinsate blank data:

- Diethyl phthalate was detected >MDL in rinsate blanks RD-34C_082625_19R_L (1.6 µg/L) and RD-14_082625_19R_L (1.5 µg/L).
- NDMA was detected in rinsate blank RD-14_082625_19R_L at a concentration between the MDL and RL.
- Benzidine was non-detect in rinsate blanks RD-34C_082625_19R_L and RD-14_082625_19R_L but was rejected due to low LCS/LCSD recovery (see Section 3.2.3).
- DRO was detected >RL in rinsate blanks RD-34C_082625_19R_L (58 µg/L) and RD14_082625_19R_L (61 µg/L). Samples RD-34C_082625_19R_L and RD-14_082625_19R_L have been qualified with a "J" validation flag due to the blank detections.
- Zinc and sodium were detected in rinsate (total) RD-14_082625_19R_L.
- Zinc was detected in rinsate (dissolved) RD-34C_082625_19R_L.

Unless otherwise noted, the above-mentioned rinsate blank detections did not result in qualification of associated samples, as the sample results were either >5× the blank concentration or non-detect. All remaining rinsate blank results were either non-detect or qualified "U" and no further data validation qualifications were warranted. All field blank results are considered usable for their intended purpose.

3.2.15.3 Trip Blank Results

All trip blank results were either non-detect or qualified "U". All trip blank results are considered usable for their intended purpose.

3.2.16 Field Duplicates

Thirteen pairs of field duplicates were collected during the SSFL Area IV groundwater Q3 2025 sampling effort and are listed in Table E-9.

Table E-9. Field duplicates, Q3 2025.

Sample Delivery Group	Parent ID	Field Duplicate ID	Analysis
570-242220-1	DD-158_081125_01_L	DD-158_081125_36_L	Perchlorate
	PZ-104_081125_01_L	PZ-104_081125_36_L	Nitrosamines
570-242572-1	DS-47_081325_01_L	DS-47_081325_36_L	VOCs and Metals
570-242928-1	RD-20_081525_01_L	RD-20_081525_36_L	Dioxins and Furans
570-242929-1	DS-48_081525_01_L	DS-48_081525_36_L	1,4-Dioxane
	RD-20_081525_01_L	RD-20_081525_36_L	PAHs
	RD-74_081525_01_L	RD-74_081525_36_L	PCBs
570-243129-1	DD-142_081825_01_L	DD-142_081825_36_L	Formaldehyde
	PZ-103_081825_01_L	PZ-103_081825_36_L	SVOCs
570-243430-1	RD-17_082025_01_L	RD-17_082025_36_L	Rad
570-243798-1	PZ-105_082225_01_L	PZ-105_082225_36_L	Herbicides
570-243985-1	PZ-116_082525_01_L	PZ-116_082525_36_L	Pesticides and DRO and/or GRO
570-244369-2	RD-34C_082625_01_L	RD-34C_082625_36_L	Rad

The precision target for this project is an RPD of 35% between the parent and field duplicate sample(s). In some cases, exceedances of 200% were noted but were the result of comparisons between non-detects and estimated detections below the lab's quantitation limits, or the sample results were <5× the laboratory RL and the absolute difference between the two results were <RL; as a result, these exceedances are considered inconsequential, and the results are considered acceptable. Field duplicate findings were as follows:

- For field duplicate pair RD-20_081525_01_L/RD-20_081525_36_L, OCDD had a 191% RPD and has been qualified with a "J" validation flag. OCDD in sample RD-20_081525_01_L was also qualified "U" due to method blank considerations, resulting in a "UJ" qualification of that result.

All remaining field duplicate precision results were within their RPD criterion.

3.2.17 Matrix Spikes and Matrix Spike Duplicates

The precision target for the MS/MSDs of this project is 20%. Findings were as follows:

- In SDG 570-243798-1, the following analytes exceeded the MS/MSD recovery criteria and were non-detect in parent sample PZ105_082225_01_L and have been qualified with a "UJ" validation qualifier: 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aldrin, alpha-chlordane, gamma-chlordane, and heptachlor.

Data validation found that all precision and accuracy indicators as a result of MS/MSD evaluation were acceptable. Any outliers were qualified appropriately and are considered usable for meeting project objectives.

3.3 Summary of Data Validation Qualifications

Qualifications were assigned in accordance with the *U.S. EPA Contract Laboratory Program National Functional Guidelines* and included poor initial and continuing calibration criteria; positive blank detections; poor LCS, LCSD, MS/MSD, and SDS performance; and results reported below the quantitation limits. Table E-10 summarizes the findings and data qualifications assigned to SSFL Area IV groundwater Q3 2025 data results. Please refer to Attachment 2 for definitions of the data validation qualifiers.

Table E-10. Summary of data validation qualifications, Q3 2025.

Validation Qualifier:		J	J+	UJ	U or Not Qualified
Method	**Total # Records**	**# Records**	**# Records**	**# Records**	**# Records**
VOCs	276	1	--	12	263
SVOCs	324	--	--	4	320
PAHs	270	2	--	--	268
1,4-Dioxane	12	1	--	--	11
PCBs	91	--	--	--	91
NDMA	2	--	--	--	2
Dioxins and Furans	150	4	--	2	144
Formaldehyde	4	--	--	--	4
Pesticides	120	4	--	7	109
Herbicides	50	--	--	--	50
DRO and/or GRO	10	1	--	--	9
Metals	380	80	6	--	294
Perchlorate	4	--	3	--	1
Rad	556	14	--	37	505

Note: Assessments provided in this table are for normal and field duplicate samples only. As a result, the three SVOC records that were "R" qualified are not shown, as those were for field blank and rinsate blank samples.
-- Indicates that no records for the specified method were qualified with the specified validation qualifier.

3.4 Assessment of Data Usability and Reconciliation with the Site-Wide WQSAP Goals

For the Q3 2025 groundwater sampling, 99.9% of the data validated and reported in this quality assurance summary are suitable for their intended use for site characterization. Only the three SVOC results for benzidine in field and rinsate blank samples RD-14_082625_19R_L, RD-34C_082625_19R_L, and RD-95_082625_19F_L were recommended for rejection ("R" qualified) and are considered unusable for project objectives. See Section 3.2.3 for additional details on the rejected results.

The RLs reported generally met the expected limits proposed by the analytical laboratories in their subcontract agreements with North Wind unless previously identified. Sample results that were qualified as estimated ("J", "J+", "UJ") are usable for project decisions. Decisions based on results close to the RL should be made with a degree of caution.

The field duplicate precision criteria were met and the field duplicate error ratio (DER)<2 criterion was met for all radiological samples.

The completeness goal for the number of samples collected was met. The completeness goal for the number of sample results acceptable for use provides sufficient quality data to support project decisions for the wells that were sampled during this sampling event.

4. DATA REVIEW PROCESS

For both Q1 and Q3, data produced by the analytical laboratories were subject to multiple review steps to coincide with the start of distinct tasks. These steps were performed in a timely manner to ensure appropriate feedback and correction of errors. These steps included:

- Cross-reference check of sample chain-of-custody documents against the laboratory acknowledgement of sample receipt form. The laboratory acknowledgement of sample receipt was typically transmitted to the data manager via e-mail 2 to 3 days after sample receipt and log-in and included a summary of the requested analyses to be performed per sample. Sample log-in errors were identified and corrected at this step.
- Tracking of sample collection, receipt, and laboratory SDG numbers on a sample tracking spreadsheet. This spreadsheet also included field QC sample information and well sample location coordinates.
- Laboratory consultation with the project chemists on data quality issues during sample analyses such as missed holding times, poor spike recoveries, etc. These issues were discussed between the project chemists and the laboratory and were resolved based on technical merit and determined if usable in the evaluation.

Upon receipt of the laboratory report (delivered via e-mail), a preliminary review of the data was performed. This review consisted of:

- Reconciliation of the reported analyses against the analyses that were requested on the chain-of-custody documents.
- Review of the laboratory case narratives. The case narratives identified and explained quality issues encountered during the analysis of the samples. Quality issues may include (but not be limited to) expired holding times, poor spike recoveries in matrix or batch-specific QC samples, instrument calibration exceedances, and blank contamination.
- Review of the laboratory-specific QC data. These data were provided by the laboratory in summary form. Any unanticipated deviations from the project or method-specific criteria were reconciled with the laboratory at this stage.

5. DATA QUALITY INDICATORS

This section summarizes the validation performed for both Q1 and Q3 sampling events. Individual SDG validation reports with specific sample details are provided in Attachment 1.

Achievement of the data quality objectives (DQOs) was determined in part by the use of data quality indicators (DQIs). The DQIs for measurement data are expressed in terms of what are collectively referred to as the PARCCS parameters (precision, accuracy, representativeness, comparability, completeness, and sensitivity). The DQIs provide a mechanism for ongoing control to evaluate and measure data quality throughout the project. These criteria are defined in the sections below.

5.1 Precision

Precision is the measurement of the ability to obtain the same value on re-analysis of a sample through the entire analytical process. The closer the measurement results, the greater the precision. Precision has nothing to do with accuracy or true values of the sample. Instead, it is focused on random errors inherent in the analysis that stem from the measurement process and are compounded by the non-homogeneous nature of some samples. Precision is measured by analyzing two portions of the sample (sample and duplicate) and then comparing the results. This comparison can be expressed in terms of RPD. RPD is calculated as the absolute difference between the two measurements divided by the average of the two measurements.

$$\mathbf{RPD = [(A-B)/\frac{A+B}{2}] \times 100}$$

A condition with this formula is that it depends on the average of the two measurements, and the magnitude of the calculated RPD is intimately linked to the magnitude of the results. When sample results are close to the RL, the RPD is greater but does not necessarily indicate that the precision is out of control limits, just that the sample concentrations are low.

RPD as a measure of precision works very well in those cases where the same level of analyte is present in all samples; however, it does not work well as a quantitative tool when varying levels are present. Another option that is used for evaluating the differences between sample results that are close to the RL is calculating the absolute difference between the results. In this situation, the difference between the sample results is compared to the RL and if the difference is greater, the sample results are qualified as estimated "J/UJ." Sample results are also qualified as estimated "J/UJ" if the RPD is outside of criteria.

Because of the limitations with the use of RPDs for field duplicate precision evaluation, precision is also calculated on spike samples, either on an MS and MSD or on an LCS/LCSD. For spike samples, a known concentration of analyte has been added to each sample and evaluations of RPD can be made that are more applicable to variations in environmental measurements. The drawback is that the precision measurement is applicable only to the particular spike level used.

For the groundwater samples, precision was evaluated by reviewing RPD results for MS/MSDs, LCS/LCSDs, laboratory duplicates, and field duplicates.

Laboratory RPD control limits are presented in the Water Quality Sampling and Analysis Plan (WQSAP) (Haley & Aldrich 2010b) or are laboratory specific. For laboratory duplicates, if one or both of the sample results were less than five times the RL, a control limit of the absolute difference value equal to the RL was used for comparison. The field duplicate RPD criterion is 35%.

Based on laboratory and/or field duplicate precision criteria during the validation process, qualifiers were applied to applicable sample results.

5.2 Accuracy

Accuracy is a concept from quantitative analysis that attempts to address the question of how close the analytical result is to the true value of the analyte in the sample. Accuracy is determined through a spike procedure, where a known amount of the target analyte is added to a portion of the sample and then the sample and the spiked sample are analyzed. The quantitative measure of accuracy is percent recovery (%R), calculated as follows:

$$\text{Percent Recovery} = \frac{(\text{Total Analyte Found} - \text{Analyte Originally Present})}{\text{Analyte Added}} \times 100$$

Each measurement performed on a sample is subject to random and systematic error. Accuracy is related to the systematic error. Attempts to assess systematic error are always complicated by the inherent random error of the measurement.

Analytical accuracy for the entire data collection activity is difficult to assess because several sources of error exist. Errors can be introduced by any of the following:

- Sampling procedure
- Field contamination
- Sample preservation and handling
- Sample matrix
- Sample preparation
- Analytical techniques.

Accuracy is maintained to the extent possible by adhering to the EPA method and approved field and analytical standard operating procedures.

The following QC samples are used to assess laboratory accuracy:

- Matrix Spikes: These are samples with a known amount of a target analyte added to them. Analysis of the sample that has been spiked and comparison with the results from the unspiked sample (background) gives information about the ability of the test procedure to generate a correct result from the sample.
- Post-Digestion Spikes: Post-digestion spikes are performed after the sample has been prepared and is ready for analysis. These are also termed "analytical spikes." The technique is used in conjunction with an MS to provide data that can separate interferences produced as part of the sample preparation from interferences that are innate qualities of the sample.
- Laboratory Control Samples: LCSs consist of a portion of analyte-free water spiked with target analytes at a known concentration.
- Surrogates: Surrogate recovery is a QC measure limited to use in organics analysis. Surrogates are compounds added to every sample at the beginning of the sample preparation to monitor the success of the sample preparation and analytical procedures on an individual sample basis. Individual compounds used as surrogates are selected based on their ability to mimic the behavior of specific target analytes held to be particularly sensitive to the sample preparation manipulations.
- Interference Check Samples: Interference check sample analysis is a QC measure unique to metals analysis using inductively coupled plasma atomic emission spectrometry. This QC sample verifies the analytical instrument's ability to overcome interferences typical of those found in samples.
- Calibrations: Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for metals. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing calibrations demonstrate that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

- Internal Standards: Internal standards measure the gas chromatograph/mass spectrometer sensitivity and response stability during each analysis.
- Serial Dilution: Serial dilutions are performed on at least one sample from every batch of analyses for metals to determine if physical or chemical interferences exist in the analyte determinations.

For the groundwater samples, accuracy was evaluated by reviewing the %R values and relative response factors of initial and continuing calibration (%D for organic analyses), the initial and continuing calibration recoveries for inorganic analyses, internal standards, surrogate spikes (organic analyses only), MS/MSD, LCS/LCSD, inductively coupled plasma (ICP) interferences, and by performing serial dilution checks during metals analyses, in conjunction with method blank, calibration blank, equipment rinsate blank, and trip blank results. These QC results assist in identifying the type and magnitude of effects that may have contributed to system error introduced from field and/or laboratory procedures.

Qualifiers were applied to applicable sample results during the validation process based on laboratory accuracy results. Results were qualified based on calibrations, surrogates, internal standards, ICP serial dilutions, LCS/LCSD recoveries, and MS/MSD recoveries.

Sample preservation, handling, and holding times are additional measures of accuracy of the data. Holding times are defined as the amount of time that elapses from collection of the sample in the field to the start of the analysis. Preservation is defined as techniques used to maintain the target analytes at concentrations representative of the source sampled.

In summary, sample results that have been qualified as estimated “J, or UJ” due to accuracy criteria are usable for project decisions. The sample results are usable for project decisions.

5.3 Blank Contamination

Blanks are used to determine the level of laboratory and field contamination introduced into the samples, independent of the level of target analytes found in the sample source. Sources of sample contamination can include the containers and equipment used to collect the sample; preservatives added to the sample; cross contamination from other samples in transport coolers and laboratory sample storage refrigerators; standards used to calibrate instruments; glassware and reagents used to prepare samples for analysis; airborne contamination in the laboratory preparation area; and the analytical instrument sample introduction equipment. Each analyte group has its own particular suite of common laboratory contaminants. Active measures must be performed to continually measure the ambient contamination level and steps taken to discover the source of the contamination and to eliminate or minimize the levels. Random spot contamination can also occur from analytes that are not common laboratory problems but that can arise as a problem for a specific project or over a short period of time. Field blanks, equipment blanks, trip blanks, and laboratory method blanks are analyzed to identify possible sources of contamination.

The data validation reports discuss the specific results that were qualified as non-detect “U” based on field and laboratory blank contamination.

5.4 Representativeness, Comparability, and Sensitivity

Representativeness, comparability, and sensitivity are achieved by using EPA-approved sampling procedures and analytical methodologies. By following the procedures described in the Field Sampling Plan (FSP) and Groundwater Monitoring QAPP (North Wind 2025b, 2025c) for this sampling event and future sampling events, sample analysis should yield results representative of environmental conditions at

the time of sampling. Similarly, reasonable comparability of analytical results for this and future sampling events can be achieved if approved EPA analytical methods and standardized reporting units are employed.

5.4.1 Representativeness

Representativeness is a qualitative term that expresses the degree to which the sample data accurately and precisely represent the environmental conditions corresponding to the location and depth interval of sample collection. Requirements and procedures for sample collection are designed to maximize sample representativeness.

Representativeness also can be monitored by reviewing field documentation and/or performing field audits. For this report, a detailed review was performed on the chain-of-custody forms, laboratory sample confirmation logs, and data validation packages.

The most significant measure of representativeness is the accuracy of the sampling network and selection of appropriate locations and depths, etc. Field sampling accuracy was attained through adherence to the approved FSP and Groundwater Monitoring QAPP (North Wind 2025b, 2025c) for sample location and collection and by using approved standard operating procedures for field data collection. The data should represent, as near as possible, the actual field conditions at the time of sampling.

Representativeness has been achieved by the performed field work and laboratory analyses. The analytical data generated are viewed to be a representative characterization of the project area. The remaining sample results are usable for project decisions.

5.4.2 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Strict adherence to standard sample collection procedures, analytical detection limits, reporting units, and analytical methods assures that data from like samples and sample conditions are comparable. This comparability is independent of laboratory personnel, data reviewers, or sampling personnel. Comparability criteria are met for the project if, based on data review, the sample collection and analytical procedures are determined to have been followed, or defined to show that variations did not affect the values reported.

To ensure comparability of data generated for the site, standard sample collection procedures were utilized by North Wind. Department of Toxic Substances Control–approved analytical methods were performed by Test America Laboratories. Similar methods and concentration levels to those used for previous sampling events also allow for comparable data. Utilizing such procedures and methods enables the current data to be comparable with previous and future data sets generated.

5.4.3 Sensitivity

Sensitivity is related to the ability to compare analytical results with project-specific levels of interest, such as risk-based screening levels or action levels. Analytical detection limits for the various sample analytes should be below the level of interest to allow an effective comparison.

5.4.3.1 Detection Limits

An MDL study attempts to answer the question, “What is the lowest level of analyte in a sample that will result in a signal different than zero?” The study is based upon repetitive analysis of an interference-free

sample spiked with a known amount of the target analyte. The MDL is a measure of the ability of the test procedure to generate a positive response for the target analyte in the absence of any other interferences from the sample.

The RL is generally defined as the lowest concentration at which an analyte can be detected in a sample and its concentration reported with a reasonable degree of accuracy and precision. For samples that do not pose a particular matrix problem, the RL is typically about three to five times higher than the MDL.

Laboratory results are reported according to rules that provide established certainty of detection and RLs. The result for an analyte is flagged with a "U" if that analyte was not detected, or qualified with a "J" flag if associated QC results fall outside the appropriate tolerance limits. Also, if an analyte is present at a concentration between the MDL and the RL, the analytical result is flagged with a "J," indicating an estimated quantity. Qualifying the result as an estimated concentration reflects increased uncertainty in the reported value.

Qualifiers were applied to applicable sample results by the laboratory and during the validation process based on sample results being reported as detected below the RL/MDL. Details of the validation and specific sample analytes qualified are discussed in the data validation reports.

Completeness

Completeness of the data collection program is defined as the percentage of samples planned for collection as listed in the FSP and Groundwater Monitoring QAPP (North Wind 2025b, 2025c) versus the actual number of samples collected during the field program (see equation below).

$$Sampling\ \%\ Completeness = \frac{Valid\ Samples\ Collected}{Expected\ Samples}\ x\ 100$$

Completeness for acceptable data is defined as the percentage of acceptable data obtained judged to be valid versus the total quantity of data generated. Acceptable data include both data that pass all the QC criteria (unqualified data) and data that may not pass all the QC criteria but had appropriate corrective actions taken (qualified but usable data).

The overall completeness goal, as defined in the FSP and Groundwater Monitoring QAPP (North Wind 2025b, 2025c), for this sampling event is 90% for each analytical test for all project data.

The completeness goal achieved for acceptable data was 100% of the groundwater sample results for the number of measurements judged to be valid, versus the total number of measurements made for all samples analyzed.

The completeness goal for the number of measurements judged to be valid was met for 2025 groundwater monitoring sampling. The data reported and not rejected are suitable for their intended use for characterization of groundwater in Area IV of SSFL.

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ATTACHMENT 1
SDG AND FIELD SAMPLE ID TABLE

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Well ID	Sample	Method	Sample Type	Related QC
Quarter 1 2025				
709872				
DD-158	DD-158_021825_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-158	DD-158_021825_01_L	DRO and/or GRO	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-158	DD-158_021825_01_L	Metals	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-158	DD-158_021825_01_L	Radio Chemical	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-158	DD-158_021825_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-159	DD-159_021725_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-159	DD-159_021725_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-159	DD-159_021725_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-159	DD-159_021725_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-159	DD-159_021725_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	DD-158_021825_78_L	DRO and/or GRO	Trip Blank	--
NA	DD-158_021825_78_L	Volatile Organic Compounds	Trip Blank	--

Well ID	Sample	Method	Sample Type	Related QC
NA	DD-159_021725_78_L	DRO and/or GRO	Trip Blank	--
NA	DD-159_021725_78_L	Volatile Organic Compounds	Trip Blank	--
PZ-116	PZ-116_021925_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-14	RD-14_021925_01_L	Radio Chemical	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-34A	RD-34A_021825_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34A	RD-34A_021825_01_L	Anions	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34A	RD-34A_021825_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34A	RD-34A_021825_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34A	RD-34A_021825_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-63	RD-63-021725_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-63	RD-63-021725_01_L	Anions	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-63	RD-63-021725_01_L	Radio Chemical	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-63	RD-63-021725_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
709872-1				
DS-43	DS-43_022125_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DS-43	DS-43_022125_01_L	Anions	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DS-43	DS-43_022125_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DS-43	DS-43_022125_01_L	Perchlorate	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DS-43	DS-43_022125_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-19_022025_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-19_022025_78_L	Volatile Organic Compounds	Trip Blank	--
RD-19	RD-19_022025_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-19	RD-19_022025_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-19	RD-19_022025_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-19	RD-19_022025_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-95	RD-95_022125_01_L	1,4-Dioxane	Normal Sample	--
RD-95	RD-95_022125_01_L	DRO and/or GRO	Normal Sample	--
RD-95	RD-95_022125_01_L	Radio Chemical	Normal Sample	--
RD-95	RD-95_022125_01_L	Volatile Organic Compounds	Normal Sample	--
RD-96	RD-96_022025_01_L	1,4-Dioxane	Normal Sample	--
RD-96	RD-96_022025_01_L	DRO and/or GRO	Normal Sample	--
RD-96	RD-96_022025_01_L	Metals	Normal Sample	--
RD-96	RD-96_022025_01_L	Radio Chemical	Normal Sample	--
RD-96	RD-96_022025_01_L	Volatile Organic Compounds	Normal Sample	--
RD-97	RD-97_022125_01_L	1,4-Dioxane	Normal Sample	--
RD-97	RD-97_022125_01_L	Metals	Normal Sample	--
RD-97	RD-97_022125_01_L	Radio Chemical	Normal Sample	--
RD-97	RD-97_022125_01_L	Volatile Organic Compounds	Normal Sample	--
709872-2				
PZ-116	PZ-116_021925_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-116	PZ-116_021925_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-116	PZ-116_021925_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-14	RD-14_021925_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-14	RD-14_021925_01_L	DRO and/or GRO	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-14	RD-14_021925_01_L	Metals	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-14	RD-14_021925_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
710774				
DD-142	DD-142_022625_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-142	DD-142_022625_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-142	DD-142_022625_01_L	Perchlorate	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-142	DD-142_022625_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
DS-48	DS-48_022725_01_L	DRO and/or GRO	Normal Sample	--
NA	RD-24_022625_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-24_022625_78_L	Volatile Organic Compounds	Trip Blank	--
NA	RD-98_022525_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-98_022525_78_L	Volatile Organic Compounds	Trip Blank	--
NA	RS-28_022425_78_L	DRO and/or GRO	Trip Blank	Matrix Spike Matrix Spike Duplicate
NA	RS-28_022425_78_L	Volatile Organic Compounds	Trip Blank	Matrix Spike Matrix Spike Duplicate
PZ-103	PZ-103_022725_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-103	PZ-103_022725_01_L	Anions	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
PZ-103	PZ-103_022725_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-103	PZ-103_022725_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-103	PZ-103_022725_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-104	PZ-104_022725_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
PZ-104	PZ-104_022725_01_L	Anions	Normal Sample	Field Duplicate
PZ-104	PZ-104_022725_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
PZ-104	PZ-104_022725_01_L	Metals	Normal Sample	Field Duplicate
PZ-104	PZ-104_022725_01_L	Perchlorate	Normal Sample	Field Duplicate
PZ-104	PZ-104_022725_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
PZ-105	PZ-105_022525_01_L	1,4-Dioxane	Normal Sample	--
PZ-105	PZ-105_022525_01_L	DRO and/or GRO	Normal Sample	--
PZ-105	PZ-105_022525_01_L	Metals	Normal Sample	--
PZ-105	PZ-105_022525_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-108	PZ-108_022626_01_L	1,4-Dioxane	Normal Sample	--
PZ-108	PZ-108_022626_01_L	Anions	Normal Sample	--
PZ-108	PZ-108_022626_01_L	DRO and/or GRO	Normal Sample	--
PZ-108	PZ-108_022626_01_L	Metals	Normal Sample	--
PZ-108	PZ-108_022626_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-109	PZ-109_022626_01_L	1,4-Dioxane	Normal Sample	--
PZ-109	PZ-109_022626_01_L	Anions	Normal Sample	--
PZ-109	PZ-109_022626_01_L	DRO and/or GRO	Normal Sample	--
PZ-109	PZ-109_022626_01_L	Metals	Normal Sample	--
PZ-109	PZ-109_022626_01_L	Perchlorate	Normal Sample	--
PZ-109	PZ-109_022626_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-122	PZ-122_022525_01_L	1,4-Dioxane	Normal Sample	--
PZ-122	PZ-122_022525_01_L	DRO and/or GRO	Normal Sample	--
PZ-122	PZ-122_022525_01_L	Metals	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
PZ-122	PZ-122_022525_01_L	Volatile Organic Compounds	Normal Sample	--
RD-07	RD-07_022425_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
RD-07	RD-07_022425_01_L	Anions	Normal Sample	Field Duplicate
RD-07	RD-07_022425_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
RD-07	RD-07_022425_01_L	Metals	Normal Sample	Field Duplicate
RD-07	RD-07_022425_01_L	Perchlorate	Normal Sample	Field Duplicate
RD-07	RD-07_022425_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
RD-19	RD-19_022025_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-24	RD-24_022625_01_L	1,4-Dioxane	Normal Sample	--
RD-24	RD-24_022625_01_L	Metals	Normal Sample	--
RD-24	RD-24_022625_01_L	Volatile Organic Compounds	Normal Sample	--
RD-29	RD-29_022525_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
RD-29	RD-29_022525_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
RD-29	RD-29_022525_01_L	Metals	Normal Sample	Field Duplicate
RD-29	RD-29_022525_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
RD-30	RD-30_022425_01_L	1,4-Dioxane	Normal Sample	--
RD-30	RD-30_022425_01_L	Radio Chemical	Normal Sample	--
RD-30	RD-30_022425_01_L	Volatile Organic Compounds	Normal Sample	--
RD-74	RD-74_022425_01_L	1,4-Dioxane	Normal Sample	--
RD-74	RD-74_022425_01_L	DRO and/or GRO	Normal Sample	--
RD-74	RD-74_022425_01_L	Metals	Normal Sample	--
RD-74	RD-74_022425_01_L	Volatile Organic Compounds	Normal Sample	--
RD-95	RD-95_022125_01_L	Radio Chemical	Normal Sample	--
RD-96	RD-96_022025_01_L	Radio Chemical	Normal Sample	--
RD-97	RD-97_022125_01_L	Radio Chemical	Normal Sample	--
RD-98	RD-98_022525_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-98	RD-98_022525_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-98	RD-98_022525_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RS-28	RS-28_022425_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-28	RS-28_022425_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-28	RS-28_022425_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-28	RS-28_022425_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
711456				
DD-146	DD-146_022825_01_L	1,4-Dioxane	Normal Sample	--
DD-146	DD-146_022825_01_L	DRO and/or GRO	Normal Sample	--
DD-146	DD-146_022825_01_L	Metals	Normal Sample	--
DD-146	DD-146_022825_01_L	Volatile Organic Compounds	Normal Sample	--
DD-157	DD-157_022825_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-157	DD-157_022825_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-157	DD-157_022825_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
DS-48	DS-48_022725_01_L	1,4-Dioxane	Normal Sample	--
DS-48	DS-48_022725_01_L	Metals	Normal Sample	--
NA	DD-157_022825_78_L	DRO and/or GRO	Trip Blank	--
NA	DD-157_022825_78_L	Volatile Organic Compounds	Trip Blank	--
PZ-166	PZ-166_022825_01_L	1,4-Dioxane	Normal Sample	--
PZ-166	PZ-166_022825_01_L	DRO and/or GRO	Normal Sample	--
PZ-166	PZ-166_022825_01_L	Metals	Normal Sample	--
PZ-166	PZ-166_022825_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-168	PZ-168_022825_01_L	1,4-Dioxane	Normal Sample	--
PZ-168	PZ-168_022825_01_L	DRO and/or GRO	Normal Sample	--
PZ-168	PZ-168_022825_01_L	Metals	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
PZ-168	PZ-168_022825_01_L	Volatile Organic Compounds	Normal Sample	--
711732				
DD-140	DD-140_030525_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-140	DD-140_030525_01_L	Anions	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-140	DD-140_030525_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-140	DD-140_030525_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-140	DD-140_030525_01_L	Perchlorate	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-140	DD-140_030525_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-144	DD-144_030425_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-144	DD-144_030425_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-144	DD-144_030425_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-144	DD-144_030425_01_L	Perchlorate	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
DD-144	DD-144_030425_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DD-144	DD-144_030425_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
DS-46	DS-46_030525_01_L	1,4-Dioxane	Normal Sample	--
DS-46	DS-46_030525_01_L	Anions	Normal Sample	--
DS-46	DS-46_030525_01_L	DRO and/or GRO	Normal Sample	--
DS-46	DS-46_030525_01_L	Metals	Normal Sample	--
DS-46	DS-46_030525_01_L	Volatile Organic Compounds	Normal Sample	--
NA	DD-144_030425_19R_L	1,4-Dioxane	Rinsate Blank	--
NA	DD-144_030425_19R_L	Anions	Rinsate Blank	--
NA	DD-144_030425_19R_L	DRO and/or GRO	Rinsate Blank	--
NA	DD-144_030425_19R_L	Metals	Rinsate Blank	--
NA	DD-144_030425_19R_L	Perchlorate	Rinsate Blank	--
NA	DD-144_030425_19R_L	Radio Chemical	Rinsate Blank	--
NA	DD-144_030425_19R_L	Volatile Organic Compounds	Rinsate Blank	--
NA	DD-144_030425_78_L	DRO and/or GRO	Trip Blank	--
NA	DD-144_030425_78_L	Volatile Organic Compounds	Trip Blank	--
NA	PZ-005_030425_19R_L	1,4-Dioxane	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	Anions	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	DRO and/or GRO	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	Metals	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	Perchlorate	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	Radio Chemical	Rinsate Blank	Lab Duplicate Matrix Spike
NA	PZ-005_030425_19R_L	Volatile Organic Compounds	Rinsate Blank	Lab Duplicate Matrix Spike

Well ID	Sample	Method	Sample Type	Related QC
NA	PZ-120_030425_78_L	DRO and/or GRO	Trip Blank	--
NA	PZ-120_030425_78_L	Volatile Organic Compounds	Trip Blank	--
NA	PZ-169_030325_78_L	DRO and/or GRO	Trip Blank	--
NA	PZ-169_030325_78_L	Volatile Organic Compounds	Trip Blank	--
NA	RD-54B_030625_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-54B_030625_78_L	Volatile Organic Compounds	Trip Blank	--
PZ-005	PZ-005_030425_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-005	PZ-005_030425_01_L	Anions	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-005	PZ-005_030425_01_L	DRO and/or GRO	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-005	PZ-005_030425_01_L	Metals	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-005	PZ-005_030425_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-103	PZ-103_022725_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-120	PZ-120_030425_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
PZ-120	PZ-120_030425_01_L	DRO and/or GRO	Normal Sample	Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
PZ-120	PZ-120_030425_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
PZ-120	PZ-120_030425_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
PZ-121	PZ-121_030425_01_L	1,4-Dioxane	Normal Sample	--
PZ-121	PZ-121_030425_01_L	DRO and/or GRO	Normal Sample	--
PZ-121	PZ-121_030425_01_L	Metals	Normal Sample	--
PZ-121	PZ-121_030425_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-162	PZ-162_030325_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
PZ-162	PZ-162_030325_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
PZ-162	PZ-162_030325_01_L	Metals	Normal Sample	Field Duplicate
PZ-162	PZ-162_030325_01_L	Perchlorate	Normal Sample	Field Duplicate
PZ-162	PZ-162_030325_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
PZ-163	PZ-163_030325_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-163	PZ-163_030325_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-163	PZ-163_030325_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-163	PZ-163_030325_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-165	PZ-165_030325_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
PZ-165	PZ-165_030325_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
PZ-165	PZ-165_030325_01_L	Metals	Normal Sample	Field Duplicate
PZ-165	PZ-165_030325_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
PZ-169	PZ-169_030325_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
PZ-169	PZ-169_030325_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-169	PZ-169_030325_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
PZ-169	PZ-169_030325_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	Anions	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	DRO and/or GRO	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	Perchlorate	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_030625_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-22	RD-22_030525_01_L	1,4-Dioxane	Normal Sample	--
RD-22	RD-22_030525_01_L	Anions	Normal Sample	--
RD-22	RD-22_030525_01_L	DRO and/or GRO	Normal Sample	--
RD-22	RD-22_030525_01_L	Metals	Normal Sample	--
RD-22	RD-22_030525_01_L	Perchlorate	Normal Sample	--
RD-22	RD-22_030525_01_L	Volatile Organic Compounds	Normal Sample	--
RD-54A	RD-54A_030625_01_L	1,4-Dioxane	Normal Sample	--
RD-54A	RD-54A_030625_01_L	DRO and/or GRO	Normal Sample	--
RD-54A	RD-54A_030625_01_L	Metals	Normal Sample	--
RD-54A	RD-54A_030625_01_L	Volatile Organic Compounds	Normal Sample	--
RD-54B	RD-54B_030625_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-54B	RD-54B_030625_01_L	DRO and/or GRO	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-54B	RD-54B_030625_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-54B	RD-54B_030625_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-54B	RD-54B_030625_01_L Dissolved	Metals	Normal Sample	--
RD-64	RD-64_030525_01_L	1,4-Dioxane	Normal Sample	--
RD-64	RD-64_030525_01_L	DRO and/or GRO	Normal Sample	--
RD-64	RD-64_030525_01_L	Metals	Normal Sample	--
RD-64	RD-64_030525_01_L	Volatile Organic Compounds	Normal Sample	--
RD-65	RD-65_030625_01_L	1,4-Dioxane	Normal Sample	--
RD-65	RD-65_030625_01_L	DRO and/or GRO	Normal Sample	--
RD-65	RD-65_030625_01_L	Metals	Normal Sample	--
RD-65	RD-65_030625_01_L	Volatile Organic Compounds	Normal Sample	--
RD-98	RD-98_022525_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
713072				
NA	RS-18_030725_19R_L	1,4-Dioxane	Rinsate Blank	--
NA	RS-18_030725_19R_L	DRO and/or GRO	Rinsate Blank	--
NA	RS-18_030725_19R_L	Perchlorate	Rinsate Blank	--
NA	RS-18_030725_19R_L	Volatile Organic Compounds	Rinsate Blank	--
NA	RS-18_030725_78_L	DRO and/or GRO	Trip Blank	--
NA	RS-18_030725_78_L	Volatile Organic Compounds	Trip Blank	--
RD-23	RD-23_030725_01_L	1,4-Dioxane	Normal Sample	--
RD-23	RD-23_030725_01_L	DRO and/or GRO	Normal Sample	--
RD-23	RD-23_030725_01_L	Volatile Organic Compounds	Normal Sample	--
RD-33A	RD-33A_030725_01_L	1,4-Dioxane	Normal Sample	--
RD-33A	RD-33A_030725_01_L	DRO and/or GRO	Normal Sample	--
RD-33A	RD-33A_030725_01_L	Perchlorate	Normal Sample	--
RD-33A	RD-33A_030725_01_L	Volatile Organic Compounds	Normal Sample	--
RD-59A	RD-59A_030725_01_L	1,4-Dioxane	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
RD-59A	RD-59A_030725_01_L	Perchlorate	Normal Sample	--
RD-59A	RD-59A_030725_01_L	Volatile Organic Compounds	Normal Sample	--
RD-59B	RD-59B_030725_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-59B	RD-59B_030725_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-59C	RD-59C_030725_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
RD-59C	RD-59C_030725_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
RS-18	RS-18_030725_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-18	RS-18_030725_01_L	DRO and/or GRO	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-18	RS-18_030725_01_L	Perchlorate	Normal Sample	Matrix Spike Matrix Spike Duplicate
RS-18	RS-18_030725_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
713383				
C-08	C-08_031125_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
C-08	C-08_031125_01_L	DRO and/or GRO	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
C-08	C-08_031125_01_L	Metals	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
C-08	C-08_031125_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DD-147	DD-147_031225_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike

Well ID	Sample	Method	Sample Type	Related QC
DD-147	DD-147_031225_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike
DD-147	DD-147_031225_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike
DD-147	DD-147_031225_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike
DD-147	DD-147_031225_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike
DD-158	DD-158_031025_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
DD-159	DD-159_031025_01_L	DRO and/or GRO	Normal Sample	--
NA	C-08_031125_78_L	DRO and/or GRO	Trip Blank	--
NA	C-08_031125_78_L	Volatile Organic Compounds	Trip Blank	--
NA	DD-147_031225_78_L	DRO and/or GRO	Trip Blank	--
NA	DD-147_031225_78_L	Volatile Organic Compounds	Trip Blank	--
NA	PZ-005_030425_19R_L	Radio Chemical	Rinsate Blank	Lab Duplicate Matrix Spike
NA	RD-93_031225_19F_L	1,4-Dioxane	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19F_L	Anions	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19F_L	DRO and/or GRO	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19F_L	Metals	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19F_L	Perchlorate	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19F_L	Radio Chemical	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
NA	RD-93_031225_19F_L	Volatile Organic Compounds	Field Blank	Lab Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-93_031225_19R_L	1,4-Dioxane	Rinsate Blank	--
NA	RD-93_031225_19R_L	Anions	Rinsate Blank	--
NA	RD-93_031225_19R_L	DRO and/or GRO	Rinsate Blank	--
NA	RD-93_031225_19R_L	Metals	Rinsate Blank	--
NA	RD-93_031225_19R_L	Perchlorate	Rinsate Blank	--
NA	RD-93_031225_19R_L	Radio Chemical	Rinsate Blank	--
NA	RD-93_031225_19R_L	Volatile Organic Compounds	Rinsate Blank	--
NA	RD-94_031025_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-94_031025_78_L	Volatile Organic Compounds	Trip Blank	--
NA	RS-18_030725_19R_L	Anions	Rinsate Blank	--
NA	RS-18_030725_19R_L	Metals	Rinsate Blank	--
NA	RS-18_030725_19R_L	Radio Chemical	Rinsate Blank	--
RD-23	RD-23_030725_01_L	Metals	Normal Sample	--
RD-33A	RD-33A_030725_01_L	Anions	Normal Sample	--
RD-33A	RD-33A_030725_01_L	Metals	Normal Sample	--
RD-59A	RD-59A_030725_01_L	Anions	Normal Sample	--
RD-59A	RD-59A_030725_01_L	Metals	Normal Sample	--
RD-59A	RD-59A_030725_01_L	Radio Chemical	Normal Sample	--
RD-59B	RD-59B_030725_01_L	Anions	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-59B	RD-59B_030725_01_L	Metals	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-59B	RD-59B_030725_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-59C	RD-59C_030725_01_L	Anions	Normal Sample	Field Duplicate
RD-59C	RD-59C_030725_01_L	Metals	Normal Sample	Field Duplicate
RD-59C	RD-59C_030725_01_L	Radio Chemical	Normal Sample	Field Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-88	RD-88_031025_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-88	RD-88_031025_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-88	RD-88_031025_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-90	RD-90_031125_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
RD-90	RD-90_031125_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
RD-90	RD-90_031125_01_L	Radio Chemical	Normal Sample	Field Duplicate
RD-90	RD-90_031125_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
RD-93	RD-93_031225_01_L	1,4-Dioxane	Normal Sample	--
RD-93	RD-93_031225_01_L	Perchlorate	Normal Sample	--
RD-93	RD-93_031225_01_L	Radio Chemical	Normal Sample	--
RD-93	RD-93_031225_01_L	Volatile Organic Compounds	Normal Sample	--
RD-94	RD-94_031025_01_L	Anions	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-94	RD-94_031025_01_L	DRO and/or GRO	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-94	RD-94_031025_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RS-18	RS-18_030725_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
Quarter 3 2025				
570-242220-1				
DD-145	DD-145_081125_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-145	DD-145_081125_01_L	DRO and/or GRO	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-145	DD-145_081125_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-145	DD-145_081125_01_L	Perchlorate	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-145	DD-145_081125_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
DD-158	DD-158_081125_01_L	Pesticides	Normal Sample	Field Duplicate
DD-158	DD-158_081125_01_L	Perchlorate	Normal Sample	Field Duplicate
DD-158	DD-158_081125_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate
DD-158	DD-158_081125_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Field Duplicate
PZ-104	PZ-104_081125_01_L	Nitrosamines	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-104	PZ-104_081125_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-104	PZ-104_081125_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-21	RD-21_081125_01_L	Polyaromatic Hydrocarbons	Normal Sample	--
RD-21	RD-21_081125_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	--
570-242220-2				
DD-159	DD-159_081125_01_L	Dioxins and Furans	Normal Sample	--
570-242374-1				
DS-45	DS-45_081225_01_L	1,4-Dioxane	Normal Sample	--
DS-45	DS-45_081225_01_L	Metals	Normal Sample	--
DS-45	DS-45_081225_01_L	Polyaromatic Hydrocarbons	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
DS-45	DS-45_081225_01_L	Volatile Organic Compounds	Normal Sample	--
NA	DS-45_081225_78_L	Volatile Organic Compounds	Trip Blank	--
RD-54A	RD-54A_081225_01_L	Perchlorate	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-242375-1				
DS-45	DS-45_081225_01_L	Radio Chemical	Normal Sample	--
RD-54A	RD-54A_081225_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-242572-1				
DS-47	DS-47_081325_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DS-47	DS-47_081325_01_L	Metals	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DS-47	DS-47_081325_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
NA	DS-47_081325_78_L	Volatile Organic Compounds	Trip Blank	--
PZ-163	PZ-163_081325_01_L	Polyaromatic Hydrocarbons	Normal Sample	Matrix Spike Matrix Spike Duplicate
PZ-163	PZ-163_081325_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-242573-1				
DS-47	DS-47_081325_01_L	Radio Chemical	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
570-242748-1				
DD-141	DD-141_081425_01_L	Radio Chemical	Normal Sample	--
RD-29	RD-29_081425_01_L	Radio Chemical	Normal Sample	Lab Duplicate
570-242928-1				
RD-20	RD-20_081525_01_L	Dioxins and Furans	Normal Sample	Field Duplicate

Well ID	Sample	Method	Sample Type	Related QC
570-242928-2				
PZ-121	PZ-121_081525_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-242929-1				
DS-48	DS-48_081525_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DS-48	DS-48_081525_01_L	DRO and/or GRO	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
DS-48	DS-48_081525_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
NA	RD-20_081525_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-20_081525_78_L	Volatile Organic Compounds	Trip Blank	--
RD-20	RD-20_081525_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate
RD-74	RD-74_081525_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate
RD-74	RD-74_081525_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Field Duplicate
570-243129-1				
DD-142	DD-142_081825_01_L	Formaldehyde	Normal Sample	Field Duplicate
DD-142	DD-142_081825_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Field Duplicate
PZ-103	PZ-103_081825_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate
PZ-103	PZ-103_081825_01_L	Semivolatile Organic Compounds	Normal Sample	Field Duplicate
570-243307-1				
RD-14	RD-14_081925_01_L	Dioxins and Furans	Normal Sample	--
570-243307-2				
DS-44	DS-44_081925_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-243308-1				
DS-44	DS-44_081925_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
DS-44	DS-44_081925_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
DS-44	DS-44_081925_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
NA	DS-44_081925_78_L	Volatile Organic Compounds	Trip Blank	--
RD-14	RD-14_081925_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	--
RD-98	RD-98_081925_01_L	Herbicides	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-98	RD-98_081925_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-98	RD-98_081925_01_L	Semivolatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-243430-1				
DD-143	DD-143_082025_01_L	Radio Chemical	Normal Sample	--
RD-17	RD-17_082025_01_L	Radio Chemical	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
570-243431-1				
DD-143	DD-143_082025_01_L	1,4-Dioxane	Normal Sample	--
DD-143	DD-143_082025_01_L	Metals	Normal Sample	--
DD-143	DD-143_082025_01_L	Volatile Organic Compounds	Normal Sample	--
RD-17	RD-17_082025_01_L	1,4-Dioxane	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_01_L	Herbicides	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_01_L	Metals	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_01_L	Pesticides	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
RD-17	RD-17_082025_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_01_L	Semivolatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-17	RD-17_082025_78_L	Volatile Organic Compounds	Trip Blank	--
570-243604-1				
RD-27	RD-27_082125_01_L	1,4-Dioxane	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-27	RD-27_082125_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-27	RD-27_082125_01_L	Volatile Organic Compounds	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-27	RD-27_082125_78_L	Volatile Organic Compounds	Trip Blank	--
RD-93	RD-93_082125_01_L	Formaldehyde	Normal Sample	--
RD-93	RD-93_082125_01_L	Herbicides	Normal Sample	--
RD-93	RD-93_082125_01_L	Pesticides	Normal Sample	--
RD-93	RD-93_082125_01_L	Polyaromatic Hydrocarbons	Normal Sample	--
RD-93	RD-93_082125_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	--
RD-93	RD-93_082125_01_L	Semivolatile Organic Compounds	Normal Sample	--
570-243605-1				
RD-27	RD-27_082125_01_L	Radio Chemical	Normal Sample	Lab Duplicate Matrix Spike Matrix Spike Duplicate
RD-93	RD-93_082125_01_L	Radio Chemical	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
570-243797-1				
RD-34B	RD-34B_082225_01_L	Radio Chemical	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-243798-1				
PZ-105	PZ-105_082225_01_L	Herbicides	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-105	PZ-105_082225_01_L	Pesticides	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-105	PZ-105_082225_01_L	Polyaromatic Hydrocarbons	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-105	PZ-105_082225_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
PZ-105	PZ-105_082225_01_L	Semivolatile Organic Compounds	Normal Sample	Field Duplicate Matrix Spike Matrix Spike Duplicate
RD-19	RD-19_082225_01_L	Polyaromatic Hydrocarbons	Normal Sample	--
RD-19	RD-19_082225_01_L	Polychlorinated biphenyls (PCBs)	Normal Sample	--
RD-34B	RD-34B_082225_01_L	1,4-Dioxane	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34B	RD-34B_082225_01_L	Metals	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34B	RD-34B_082225_01_L	Volatile Organic Compounds	Normal Sample	Matrix Spike Matrix Spike Duplicate
RD-34B	RD-34B_082225_78_L	Volatile Organic Compounds	Trip Blank	--
570-243985-1				
NA	PZ-167_082525_78_L	DRO and/or GRO	Trip Blank	--
NA	PZ-167_082525_78_L	Volatile Organic Compounds	Trip Blank	--
PZ-116	PZ-116_082525_01_L	Pesticides	Normal Sample	Field Duplicate
PZ-164	PZ-164_082525_01_L	1,4-Dioxane	Normal Sample	--
PZ-164	PZ-164_082525_01_L	DRO and/or GRO	Normal Sample	--

Well ID	Sample	Method	Sample Type	Related QC
PZ-164	PZ-164_082525_01_L	Metals	Normal Sample	--
PZ-164	PZ-164_082525_01_L	Volatile Organic Compounds	Normal Sample	--
PZ-167	PZ-167_082525_01_L	1,4-Dioxane	Normal Sample	Field Duplicate
PZ-167	PZ-167_082525_01_L	DRO and/or GRO	Normal Sample	Field Duplicate
PZ-167	PZ-167_082525_01_L	Metals	Normal Sample	Field Duplicate
PZ-167	PZ-167_082525_01_L	Volatile Organic Compounds	Normal Sample	Field Duplicate
RD-22	RD-22_082525_01_L	Polyaromatic Hydrocarbons	Normal Sample	--
570-244151-1				
NA	RD-14_082625_19R_L	Dioxins and Furans	Rinsate Blank	--
NA	RD-14_082625_19R_L	Nitrosamines	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Dioxins and Furans	Rinsate Blank	--
NA	RD-95_082625_19F_L	Dioxins and Furans	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Nitrosamines	Field Blank	Matrix Spike Matrix Spike Duplicate
RD-14	RD-14_082625_01_L	Dioxins and Furans	Normal Sample	Matrix Spike Matrix Spike Duplicate
570-244152-1				
NA	RD-14_082625_19R_L	1,4-Dioxane	Rinsate Blank	--
NA	RD-14_082625_19R_L	Formaldehyde	Rinsate Blank	--
NA	RD-14_082625_19R_L	DRO and/or GRO	Rinsate Blank	--
NA	RD-14_082625_19R_L	Herbicides	Rinsate Blank	--
NA	RD-14_082625_19R_L	Metals	Rinsate Blank	--
NA	RD-14_082625_19R_L	Pesticides	Rinsate Blank	--
NA	RD-14_082625_19R_L	Perchlorate	Rinsate Blank	--
NA	RD-14_082625_19R_L	Polyaromatic Hydrocarbons	Rinsate Blank	--
NA	RD-14_082625_19R_L	Polychlorinated biphenyls (PCBs)	Rinsate Blank	--
NA	RD-14_082625_19R_L	Semivolatile Organic Compounds	Rinsate Blank	--
NA	RD-14_082625_19R_L	Volatile Organic Compounds	Rinsate Blank	--
NA	RD-34C_082625_19R_L	1,4-Dioxane	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Formaldehyde	Rinsate Blank	--
NA	RD-34C_082625_19R_L	DRO and/or GRO	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Herbicides	Rinsate Blank	--

Well ID	Sample	Method	Sample Type	Related QC
NA	RD-34C_082625_19R_L	Metals	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Pesticides	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Perchlorate	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Polyaromatic Hydrocarbons	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Polychlorinated biphenyls (PCBs)	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Semivolatile Organic Compounds	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Volatile Organic Compounds	Rinsate Blank	--
NA	RD-95_082625_19F_L	1,4-Dioxane	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Formaldehyde	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	DRO and/or GRO	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Herbicides	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Metals	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Pesticides	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Perchlorate	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Polyaromatic Hydrocarbons	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Polychlorinated biphenyls (PCBs)	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Semivolatile Organic Compounds	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_19F_L	Volatile Organic Compounds	Field Blank	Matrix Spike Matrix Spike Duplicate
NA	RD-95_082625_78_L	DRO and/or GRO	Trip Blank	--
NA	RD-95_082625_78_L	Volatile Organic Compounds	Trip Blank	--
RD-24	RD-24_082625_01_L	Polyaromatic Hydrocarbons	Normal Sample	--
RD-95	RD-95_082625_01_L	Formaldehyde	Normal Sample	Matrix Spike Matrix Spike Duplicate

Well ID	Sample	Method	Sample Type	Related QC
570-244369-1				
RS-54	RS-54_082725_01_L	Dioxins and Furans	Normal Sample	--
570-244369-2				
NA	RD-14_082625_19R_L	Radio Chemical	Rinsate Blank	--
NA	RD-34C_082625_19R_L	Radio Chemical	Rinsate Blank	--
NA	RD-95_082625_19F_L	Radio Chemical	Field Blank	Matrix Spike Matrix Spike Duplicate
RD-34C	RD-34C_082625_01_L	Radio Chemical	Normal Sample	Field Duplicate

NA = not applicable, sample is a blank.
-- = no associated QC for this sample.

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ATTACHMENT 2
DATA VALIDATION QUALIFIER DEFINITIONS

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Inorganic Data Validation Qualifiers

Flag	Definition
U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

Organic Data Validation Qualifiers

Flag	Definition
U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
NJ	Presumptively present at an estimated quantity (use with Tentatively Identified Compounds [TICs] only). A TIC is a compound not specified on the Target Compound List (TCL). A mass spectral library search is used to identify the compound.

Radiochemical Data Validation Qualifiers

Flag	Definition
No Qualification	The analysis was performed, and radioactivity was detected (e.g., the radioanalytical result is statistically positive at the 95% confidence interval and is above its MDC). **NOTE:** *The radionuclide is considered to be present in the sample.*
U	The analysis was performed, but no radioactivity was detected (i.e., the radioanalytical result was not statistically positive at the 95% confidence interval and/or the result was below its MDC). The "U" qualifier flag is also applicable to any result reported as zero (0) (± an associated uncertainty). **NOTE:** *The radionuclide is not considered to be present in the sample.*
UJ	The analysis was performed, but the result is highly questionable due to analytical and/or laboratory quality control anomalies. The use of such a result is strongly discouraged. Analytical and quality control anomalies include such items as: significant blank contamination, known photopeak interferences and/or photopeak resolution problems, known matrix interferences, unacceptable laboratory control sample recoveries, serious instrument calibration problems, improper sample preservation, etc. The "UJ" qualifier flag could designate a possible false positive result in the case of a result that is statistically positive at the 95% confidence level. The "UJ" qualifier flag could indicate the result is considered an estimated non-detect (a non-detect that may be due to loss of analyte from lack of sample preservation, holding time exceedances, etc.). The specific use of the "UJ" flag is included by the validator in the text of the validation report. **NOTE:** *The radionuclide may or may not be present in the sample, and the result is considered highly questionable.*
J	The analysis was performed, and radioactivity was detected (i.e., the radionuclide result is statistically positive at the 95% confidence interval and is above its MDC). However, the result is questionable due to analytical and/or laboratory quality control anomalies/irregularities and should therefore be used only as an estimated (approximated) quantity. Analytical and/or quality control anomalies include such items as: laboratory duplicate imprecision, unsatisfactory analytical yields, insufficient laboratory control sample recoveries, unacceptable PE sample results, instrument calibration problems, improper sample preservation, etc. **NOTE:** *The radionuclide is considered to be present in the sample; however, the result may not be an accurate representation of the amount of activity actually present in the sample.*
R	The analysis result is unusable and was rejected due to severe analytical and/or quality control problems. **NOTE:** *The radionuclide may or may not be present, and the result is known to be inaccurate or imprecise.*